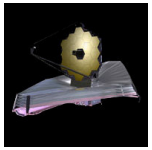

1022 - CAR FGS-017 Straylight for Moving Targets (All SIs)

Cycle: 0, Proposal Category: COM/FGS

INVESTIGATORS

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OBSERVATIONS

Folder	*Observation*	*Label*	*Observing Template*	*Science Target*
FGS Acquisition Checkout				
	1	NIRCam V3-30	NIRCam Engineering Imaging	(1) JUPITER
	2	NIRCam V3-50	NIRCam Engineering Imaging	(1) JUPITER
	3	NIRCam V3-80	NIRCam Engineering Imaging	(1) JUPITER
	4	NIRCam V3-110	NIRCam Engineering Imaging	(1) JUPITER
	5	NIRCam V3-135	NIRCam Engineering Imaging	(1) JUPITER
	6	NIRCam V3-180, in FGS-2	NIRCam Engineering Imaging	(1) JUPITER
FGS Acq Checkout Re-try				
	103	NIRCam V3-80	NIRCam Engineering Imaging	(1) JUPITER
	104	NIRCam V3-110	NIRCam Engineering Imaging	(1) JUPITER
	105	NIRCam V3-135	NIRCam Engineering Imaging	(1) JUPITER
Old Version of FGS Acquisition Checkout - do not use				
	201	NIRCam V3-30	NIRCam Imaging	(1) JUPITER

Folder	*Observation*	*Label*	*Observing Template*	*Science Target*
	202	NIRCam V3-50	NIRCam Imaging	(1) JUPITER
	203	NIRCam V3-80	NIRCam Imaging	(1) JUPITER
	204	NIRCam V3-110	NIRCam Imaging	(1) JUPITER
	205	NIRCam V3-135	NIRCam Imaging	(1) JUPITER
	206	NIRCam V3-180, in FGS-2	NIRCam Imaging	(1) JUPITER
NIRCam Scattered Light				
	7	NIRCam +V3 Edge	NIRCam Imaging	(1) JUPITER
	8	NIRCam -V3 Edge	NIRCam Imaging	(1) JUPITER
	9	NIRCam V2 FPA Edges	NIRCam Imaging	(1) JUPITER
	99	NIRCam V2 FPA Edges	NIRCam Imaging	(1) JUPITER
	10	NIRCam Mod-A FPA center	NIRCam Imaging	(1) JUPITER
	11	NIRCam Mod-B FPA center	NIRCam Imaging	(1) JUPITER
NIRSpec Scattered Light				
	12	NIRSpec Center	NIRSpec IFU Spectroscopy	(1) JUPITER
	13	NIRSpec Q1	NIRSpec IFU Spectroscopy	(1) JUPITER
	14	NIRSpec Q2	NIRSpec IFU Spectroscopy	(1) JUPITER
	15	NIRSpec Q3	NIRSpec IFU Spectroscopy	(1) JUPITER
	16	NIRSpec Q4	NIRSpec IFU Spectroscopy	(1) JUPITER
MIRI Scattered Light				
	17	MIRI -V3 Edge, Position 1	MIRI Medium Resolution Spectroscopy	(1) JUPITER
	18	MIRI -V3 Edge, Position 2	MIRI Medium Resolution Spectroscopy	(1) JUPITER
	19	MIRI -V3 Edge, Position 3	MIRI Medium Resolution Spectroscopy	(1) JUPITER
	20	MIRI +V2 Edge	MIRI Medium Resolution Spectroscopy	(1) JUPITER
	21	MIRI +V3 Edge	MIRI Medium Resolution Spectroscopy	(1) JUPITER
	22	MIRI -V2 Edge	MIRI Medium Resolution Spectroscopy	(1) JUPITER
	23	MIRI Imaging Corners -V2 +V3	MIRI Medium Resolution Spectroscopy	(1) JUPITER

Folder	*Observation*	*Label*	*Observing Template*	*Science Target*
	24	MIRI Imaging Corners -V2 -V3	MIRI Medium Resolution Spectroscopy	(1) JUPITER
	25	MIRI Imaging Corners +V2 -V3	MIRI Medium Resolution Spectroscopy	(1) JUPITER
	26	MIRI Imaging Corner + V2 +V3	MIRI Medium Resolution Spectroscopy	(1) JUPITER
NIRISS Scattered Light				
	27	NIRISS +V3 Edge	NIRISS Imaging	(1) JUPITER
	28	NIRISS -V2 Edge	NIRISS Imaging	(1) JUPITER
	29	NIRISS -V3 Edge	NIRISS Imaging	(1) JUPITER
	30	NIRISS +V2 Edge	NIRISS Imaging	(1) JUPITER

ABSTRACT

Note to the PCs: As per the CAR document, the observations should be prepared with the "keep-out radius" check disabled. This check is performed to make sure that Mars, Jupiter, and Saturn are not in the FGS FOV, but in this particular instance having a bright target in the FGS FOV is part of the test. Repressing the check may result in failed observations, but that is part of what we are trying to test.

FGS ID and ACQ Checkout

These observations are intended to show that FGS can ID guide stars in fields near a bright planet, and then guide on them. Due to the JWST focal plane layout, with FGS on the -V3 side of the NIRCam FOVs, there are a range of potential offsets of the planet relative to the FGS that could be relevant for science. To verify that FGS can acquire guide stars over that full range, a series of NIRCam exposures will be collected with a planet at 5 positions in V3, starting ~centered in Module A of NIRCam and progressing to the -V3 side.

A 6th observation in this sequence places the planet IN one of the guiders. Only guide stars that are ALSO in that guider should be chosen as candidates when the visits files are created. Either guider can be used for this observation - the

Offset special requirement currently implemented places the planet in FGS-2.

Depending on the success of FGS operations during the above sequence, the observations of scattered light in the second part of this activity may need to be replanned to avoid or minimize guiding problems.

Scattered Light Characterization in NIRCam

A series of mosaic observations are used to move a bright planetary target along each edge of the NIRCam FOV, just outside the detectors. In terms of FGS operations, the scan along the -V3 edge is the most challenging (the planet will be very close to the FGS FOVs). Parts of the V2 edge scans may also be challenging as those mosaics also include a few positions where the planet will be very close to the FGS FOV.

Scattered Light Characterization in NIRSpec

Using the IFU template, place the giant planet in each of the MSA quadrants and in the center of the quadrants. This mimics observing a giant planet satellite in the IFU. The observation with the planet in the center of the quadrants also includes a LeakCal. Do not test the giant planet close to the FGS, as that is part of the FGS Acquisition Checkout.

Scattered Light Characterization in MIRI

Place the giant planet on each edge and corner of the MIRI imager. The MRS template is used in order to obtain data with all 3 MIRI detectors using simultaneous imaging. In the -V3 direction, move the giant planet from far to near to test scattered light at different distances.

Scattered Light Characterization in NIRISS

A giant planet will be placed 2 arcminutes from the center of the NIRISS imager FOV in the +/-V2 and +/-V3 directions. This is the maximum elongation of Io from Jupiter; Io observations with the AMI mode are the only solar system observations currently planned with NIRISS. Other applications that could result in a planet near the NIRISS FOV should be limited.

Targets:

M35 is included in the proposal for purposes of visualization of the target offset SRs (observations of moving targets can't be visualized in Aladin).

Jupiter is the ideal target for these observations, with Saturn as a back-up. Visibility windows during possible commissioning periods are presented below:

Jupiter	2021/05/16 - 07/08, 2021/09/30 - 11/21	(~40" diameter)
Saturn	2021/05/01 - 06/19, 2021/09/14 - 11/04	(~17" diameter)

Exposure times and target offsets:

Exposure times and target offsets have been set assuming Jupiter will be observed. If the observations need to be replanned due to schedule slips the exposures should be adjusted by picking filters where the targets are brighter and/or by increasing exposure times. Offsets are currently best-guess placeholders and will be updated prior to execution. The exact offsets depend on the target chosen and the apparent angular diameter

at the time of the observations.

OBSERVING DESCRIPTION

See "Abstract."

Note to the PCs: As per the CAR document, the observations should be prepared with the "keep-out radius" check disabled. This check is performed to make sure that Mars, Jupiter, and Saturn are not in the FGS FOV, but in this particular instance having a bright target in the FGS FOV is part of the test. Repressing the check may result in failed observations, but that is part of what we are trying to test.

Proposal 1022 - Targets - CAR FGS-017 Straylight for Moving Targets (All SIs)

Solar System Targets

#	Name	Level 1	Level 2	Level 3
(1)	JUPITER	STD=JUPITER		
Comments: Preferred target for these activities. *Extended=Unknown*				
(2)	SATURN	STD=SATURN		
Comments: Backup for Jupiter, depending on when these activities are scheduled. *Extended=Unknown*				

Observation

Proposal 1022, Observation 1: NIRCam V3-30 Fri Jul 01 22:00:17 GMT 2022

Diagnostic Status: Warning

Observing Template: NIRCam Engineering Imaging

Coordinated Parallel Template(s): FGS External Calibration

Comments: New Obs 1 w/ FGS-1 in parallel.

Diagnostics

(NIRCam V3-30 (Obs 1)) Warning (Form): Coordinated parallel observations of moving targets will result in trailing of fixed sources, and pointing that depends on the ephemeris of the prime science target and time when the observation is taken.

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

Solar System Targets

#	Name	Level 1	Level 2	Level 3
(1)	JUPITER	STD=JUPITER		

Comments: Preferred target for these activities.
Extended=Unknown

Template

NIRCam Engineering Imaging	FGS External Calibration
Module: ALL	Target type: IMAGE
Subarray: FULL	Detector: GUIDER1

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		STANDARD		1

Spectral Elements

NIRCam Engineering Imaging	Short Pupil	Long Pupil	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	CLEAR	F323N	F212N	F322W2	BRIGHT1	4	1	1	1	75.157	

Spectral Elements

FGS External Calibration	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	FGSRAPID	2	1	1	1	32.21	

Special Requirements	
	Offset -115.0 arcsec, -30.0 arcsec No Parallel Guide Star in Guider 2 Visit Splitting Distance 30 Arcsec DEFAULT WINDOW: ANGULAR RATE JUPITER FROM JWST LESS THAN 0.03

Observation

Proposal 1022, Observation 2: NIRCam V3-50 Fri Jul 01 22:00:17 GMT 2022

Diagnostic Status: Warning

Observing Template: NIRCam Engineering Imaging

Coordinated Parallel Template(s): FGS External Calibration

Comments: New Obs 1 w/ FGS-1 in parallel.

Diagnostics

(NIRCam V3-50 (Obs 2)) Warning (Form): Coordinated parallel observations of moving targets will result in trailing of fixed sources, and pointing that depends on the ephemeris of the prime science target and time when the observation is taken.

(Visit 2:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Solar System Targets

#	Name	Level 1	Level 2	Level 3
(1)	JUPITER	STD=JUPITER		

Comments: Preferred target for these activities.
Extended=Unknown

Template

NIRCam Engineering Imaging	FGS External Calibration
Module: ALL	Target type: IMAGE
Subarray: FULL	Detector: GUIDER1

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		STANDARD		1

Spectral Elements

NIRCam Engineering Imaging	Short Pupil	Long Pupil	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	CLEAR	F323N	F212N	F322W2	BRIGHT1	4	1	1	1	75.157	

Spectral Elements

FGS External Calibration	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	FGSRAPID	2	1	1	1	32.21	

Special Requirements	
	Offset -115.0 arcsec, -50.0 arcsec No Parallel Guide Star in Guider 2 Visit Splitting Distance 30 Arcsec DEFAULT WINDOW: ANGULAR RATE JUPITER FROM JWST LESS THAN 0.03

Observation

Proposal 1022, Observation 3: NIRCam V3-80 Fri Jul 01 22:00:17 GMT 2022

Diagnostic Status: Warning

Observing Template: NIRCam Engineering Imaging

Coordinated Parallel Template(s): FGS External Calibration

Comments: New Obs 1 w/ FGS-1 in parallel.

Diagnostics

(NIRCam V3-80 (Obs 3)) Warning (Form): Coordinated parallel observations of moving targets will result in trailing of fixed sources, and pointing that depends on the ephemeris of the prime science target and time when the observation is taken.

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

Solar System Targets

#	Name	Level 1	Level 2	Level 3
(1)	JUPITER	STD=JUPITER		

Comments: Preferred target for these activities.
Extended=Unknown

Template

NIRCam Engineering Imaging	FGS External Calibration
Module: ALL	Target type: IMAGE
Subarray: FULL	Detector: GUIDER1

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		STANDARD		1

Spectral Elements

NIRCam Engineering Imaging	Short Pupil	Long Pupil	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	CLEAR	F323N	F212N	F322W2	BRIGHT1	4	1	1	1	75.157	

Spectral Elements

FGS External Calibration	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	FGSRAPID	2	1	1	1	32.21	

Special Requirements	
	Offset -115.0 arcsec, -80.0 arcsec No Parallel Guide Star in Guider 2 Visit Splitting Distance 30 Arcsec DEFAULT WINDOW: ANGULAR RATE JUPITER FROM JWST LESS THAN 0.03

Observation

Proposal 1022, Observation 4: NIRCam V3-110 Fri Jul 01 22:00:17 GMT 2022

Diagnostic Status: Warning

Observing Template: NIRCam Engineering Imaging

Coordinated Parallel Template(s): FGS External Calibration

Comments: New Obs 1 w/ FGS-1 in parallel.

Diagnostics

(NIRCam V3-110 (Obs 4)) Warning (Form): Coordinated parallel observations of moving targets will result in trailing of fixed sources, and pointing that depends on the ephemeris of the prime science target and time when the observation is taken.

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

Solar System Targets

#	Name	Level 1	Level 2	Level 3
(1)	JUPITER	STD=JUPITER		

Comments: Preferred target for these activities.
Extended=Unknown

Template

NIRCam Engineering Imaging	FGS External Calibration
Module: ALL	Target type: IMAGE
Subarray: FULL	Detector: GUIDER1

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		STANDARD		1

Spectral Elements

NIRCam Engineering Imaging	Short Pupil	Long Pupil	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	CLEAR	F323N	F212N	F322W2	BRIGHT1	4	1	1	1	75.157	

Spectral Elements

FGS External Calibration	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	FGSRAPID	2	1	1	1	32.21	

Special Requirements	
	Offset -115.0 arcsec, -110.0 arcsec No Parallel Guide Star in Guider 2 Visit Splitting Distance 30 Arcsec DEFAULT WINDOW: ANGULAR RATE JUPITER FROM JWST LESS THAN 0.03

Observation

Proposal 1022, Observation 5: NIRCam V3-135 Fri Jul 01 22:00:17 GMT 2022

Diagnostic Status: Warning

Observing Template: NIRCam Engineering Imaging

Coordinated Parallel Template(s): FGS External Calibration

Comments: New Obs 1 w/ FGS-1 in parallel.

Diagnostics

(NIRCam V3-135 (Obs 5)) Warning (Form): Coordinated parallel observations of moving targets will result in trailing of fixed sources, and pointing that depends on the ephemeris of the prime science target and time when the observation is taken.

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

Solar System Targets

#	Name	Level 1	Level 2	Level 3
(1)	JUPITER	STD=JUPITER		

Comments: Preferred target for these activities.
Extended=Unknown

Template

NIRCam Engineering Imaging	FGS External Calibration
Module: ALL	Target type: IMAGE
Subarray: FULL	Detector: GUIDER1

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		STANDARD		1

Spectral Elements

NIRCam Engineering Imaging	Short Pupil	Long Pupil	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	CLEAR	F323N	F212N	F322W2	BRIGHT1	4	1	1	1	75.157	

Spectral Elements

FGS External Calibration	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	FGSRAPID	2	1	1	1	32.21	

Special Requirements	
	Offset -115.0 arcsec, -135.0 arcsec No Parallel Guide Star in Guider 2 Visit Splitting Distance 30 Arcsec DEFAULT WINDOW: ANGULAR RATE JUPITER FROM JWST LESS THAN 0.03

Observation

Proposal 1022, Observation 6: NIRCam V3-180, in FGS-2 Fri Jul 01 22:00:17 GMT 2022

Diagnostic Status: Warning

Observing Template: NIRCam Engineering Imaging

Coordinated Parallel Template(s): FGS External Calibration

Comments: New Obs 1 w/ FGS-1 in parallel.

Diagnostics

(NIRCam V3-180, in FGS-2 (Obs 6)) Warning (Form): Coordinated parallel observations of moving targets will result in trailing of fixed sources, and pointing that depends on the ephemeris of the prime science target and time when the observation is taken.

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

Solar System Targets

#	Name	Level 1	Level 2	Level 3
(1)	JUPITER	STD=JUPITER		

Comments: Preferred target for these activities.
Extended=Unknown

Template

NIRCam Engineering Imaging	FGS External Calibration
Module: ALL	Target type: IMAGE
Subarray: FULL	Detector: GUIDER1

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		STANDARD		1

Spectral Elements

NIRCam Engineering Imaging	Short Pupil	Long Pupil	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	CLEAR	F323N	F212N	F322W2	BRIGHT1	4	1	1	1	75.157	

Spectral Elements

FGS External Calibration	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	FGSRAPID	2	1	1	1	32.21	

Special Requirements	
	Offset -60.0 arcsec, -180.0 arcsec No Parallel Guide Star in Guider 2 Visit Splitting Distance 30 Arcsec DEFAULT WINDOW: ANGULAR RATE JUPITER FROM JWST LESS THAN 0.03

Observation

Proposal 1022, Observation 103: NIRCam V3-80 Fri Jul 01 22:00:17 GMT 2022

Diagnostic Status: Warning

Observing Template: NIRCam Engineering Imaging

Coordinated Parallel Template(s): FGS External Calibration

Comments: New Obs 1 w/ FGS-1 in parallel.

Diagnostics

(NIRCam V3-80 (Obs 103)) Warning (Form): Coordinated parallel observations of moving targets will result in trailing of fixed sources, and pointing that depends on the ephemeris of the prime science target and time when the observation is taken.

(Visit 103:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Solar System Targets

#	Name	Level 1	Level 2	Level 3
(1)	JUPITER	STD=JUPITER		

Comments: Preferred target for these activities.
Extended=Unknown

Template

NIRCam Engineering Imaging	FGS External Calibration
Module: ALL	Target type: IMAGE
Subarray: FULL	Detector: GUIDER1

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		STANDARD		1

Spectral Elements

NIRCam Engineering Imaging	Short Pupil	Long Pupil	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	CLEAR	F323N	F212N	F322W2	BRIGHT1	4	1	1	1	75.157	

Spectral Elements

FGS External Calibration	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	FGSRAPID	2	1	1	1	32.21	

Special Requirements	
	Offset -115.0 arcsec, -80.0 arcsec No Parallel Guide Star in Guider 2 Visit Splitting Distance 30 Arcsec DEFAULT WINDOW: ANGULAR RATE JUPITER FROM JWST LESS THAN 0.03

Observation

Proposal 1022, Observation 104: NIRCam V3-110 Fri Jul 01 22:00:17 GMT 2022

Diagnostic Status: Warning

Observing Template: NIRCam Engineering Imaging

Coordinated Parallel Template(s): FGS External Calibration

Comments: New Obs 1 w/ FGS-1 in parallel.

Diagnostics

(NIRCam V3-110 (Obs 104)) Warning (Form): Coordinated parallel observations of moving targets will result in trailing of fixed sources, and pointing that depends on the ephemeris of the prime science target and time when the observation is taken.

(Visit 104:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Solar System Targets

#	Name	Level 1	Level 2	Level 3
(1)	JUPITER	STD=JUPITER		

Comments: Preferred target for these activities.
Extended=Unknown

Template

NIRCam Engineering Imaging	FGS External Calibration
Module: ALL	Target type: IMAGE
Subarray: FULL	Detector: GUIDER1

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		STANDARD		1

Spectral Elements

NIRCam Engineering Imaging	Short Pupil	Long Pupil	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	CLEAR	F323N	F212N	F322W2	BRIGHT1	4	1	1	1	75.157	

Spectral Elements

FGS External Calibration	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	FGSRAPID	2	1	1	1	32.21	

Special Requirements	
	Offset -115.0 arcsec, -110.0 arcsec No Parallel Guide Star in Guider 2 Visit Splitting Distance 30 Arcsec DEFAULT WINDOW: ANGULAR RATE JUPITER FROM JWST LESS THAN 0.03

Observation

Proposal 1022, Observation 105: NIRCam V3-135 Fri Jul 01 22:00:17 GMT 2022

Diagnostic Status: Warning

Observing Template: NIRCam Engineering Imaging

Coordinated Parallel Template(s): FGS External Calibration

Comments: New Obs 1 w/ FGS-1 in parallel.

Diagnostics

(NIRCam V3-135 (Obs 105)) Warning (Form): Coordinated parallel observations of moving targets will result in trailing of fixed sources, and pointing that depends on the ephemeris of the prime science target and time when the observation is taken.

(Visit 105:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Solar System Targets

#	Name	Level 1	Level 2	Level 3
(1)	JUPITER	STD=JUPITER		

Comments: Preferred target for these activities.
Extended=Unknown

Template

NIRCam Engineering Imaging	FGS External Calibration
Module: ALL	Target type: IMAGE
Subarray: FULL	Detector: GUIDER1

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		STANDARD		1

Spectral Elements

NIRCam Engineering Imaging	Short Pupil	Long Pupil	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	ETC Wkbk.Calc ID
1	CLEAR	F323N	F212N	F322W2	BRIGHT1	4	1	1	1	75.157	

Spectral Elements

FGS External Calibration	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	FGSRAPID	2	1	1	1	32.21	

Special Requirements	
	Offset -115.0 arcsec, -135.0 arcsec No Parallel Guide Star in Guider 2 Visit Splitting Distance 30 Arcsec DEFAULT WINDOW: ANGULAR RATE JUPITER FROM JWST LESS THAN 0.03

Observation

Proposal 1022, Observation 201: NIRCam V3-30 Fri Jul 01 22:00:17 GMT 2022

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Comments: Original version of Obs 1, w/o FGS-1 parallel.

Diagnostics

(Visit 201:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Solar System Targets

#	Name	Level 1	Level 2	Level 3
(1)	JUPITER	STD=JUPITER		

Comments: Preferred target for these activities.
Extended=Unknown

Template

Module	Subarray
ALL	FULL

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		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	F212N	F323N+F322W2	BRIGHT1	4	1	1	1	75.157	

Special Requirements

Offset -115.0 arcsec, -30.0 arcsec
Guide Star in Guider 2
Visit Splitting Distance 30 Arcsec

Sequence Observations 201, 202, 203, 204, 205, Non-interruptible

DEFAULT WINDOW: ANGULAR RATE JUPITER FROM JWST LESS THAN 0.03

Observation

Proposal 1022, Observation 202: NIRCam V3-50 Fri Jul 01 22:00:17 GMT 2022

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Comments: Original version of Obs 1, w/o FGS-1 parallel.

Diagnostics

(Visit 202:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Solar System Targets

#	Name	Level 1	Level 2	Level 3
(1)	JUPITER	STD=JUPITER		

Comments: Preferred target for these activities.
Extended=Unknown

Template

Module	Subarray
ALL	FULL

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		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	F212N	F323N+F322W2	BRIGHT1	4	1	1	1	75.157	

Special Requirements

Offset -115.0 arcsec, -50.0 arcsec
Guide Star in Guider 2
Visit Splitting Distance 30 Arcsec

Sequence Observations 201, 202, 203, 204, 205, Non-interruptible

DEFAULT WINDOW: ANGULAR RATE JUPITER FROM JWST LESS THAN 0.03

Observation

Proposal 1022, Observation 203: NIRCam V3-80 Fri Jul 01 22:00:17 GMT 2022

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Comments: Original version of Obs 1, w/o FGS-1 parallel.

Diagnostics

(Visit 203:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Solar System Targets

#	Name	Level 1	Level 2	Level 3
(1)	JUPITER	STD=JUPITER		

Comments: Preferred target for these activities.
Extended=Unknown

Template

Module	Subarray
ALL	FULL

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		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	F212N	F323N+F322W2	BRIGHT1	4	1	1	1	75.157	

Special Requirements

Offset -115.0 arcsec, -80.0 arcsec
Guide Star in Guider 2
Visit Splitting Distance 30 Arcsec

Sequence Observations 201, 202, 203, 204, 205, Non-interruptible

DEFAULT WINDOW: ANGULAR RATE JUPITER FROM JWST LESS THAN 0.03

Observation

Proposal 1022, Observation 204: NIRCam V3-110 Fri Jul 01 22:00:17 GMT 2022

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Comments: Original version of Obs 1, w/o FGS-1 parallel.

Diagnostics

(Visit 204:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Solar System Targets

#	Name	Level 1	Level 2	Level 3
(1)	JUPITER	STD=JUPITER		

Comments: Preferred target for these activities.
Extended=Unknown

Template

Module	Subarray
ALL	FULL

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		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	F212N	F323N+F322W2	BRIGHT1	4	1	1	1	75.157	

Special Requirements

Offset -115.0 arcsec, -110.0 arcsec
Guide Star in Guider 2
Visit Splitting Distance 30 Arcsec

Sequence Observations 201, 202, 203, 204, 205, Non-interruptible

DEFAULT WINDOW: ANGULAR RATE JUPITER FROM JWST LESS THAN 0.03

Observation

Proposal 1022, Observation 205: NIRCam V3-135 Fri Jul 01 22:00:17 GMT 2022

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Comments: Original version of Obs 1, w/o FGS-1 parallel.

Diagnostics

(Visit 205:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Solar System Targets

#	Name	Level 1	Level 2	Level 3
(1)	JUPITER	STD=JUPITER		

Comments: Preferred target for these activities.
Extended=Unknown

Template

Module	Subarray
ALL	FULL

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		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	F212N	F323N+F322W2	BRIGHT1	4	1	1	1	75.157	

Special Requirements

Offset -115.0 arcsec, -135.0 arcsec
Guide Star in Guider 2
Visit Splitting Distance 30 Arcsec

Sequence Observations 201, 202, 203, 204, 205, Non-interruptible

DEFAULT WINDOW: ANGULAR RATE JUPITER FROM JWST LESS THAN 0.03

Observation

Proposal 1022, Observation 206: NIRCam V3-180, in FGS-2

Fri Jul 01 22:00:17 GMT 2022

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Comments: Original version of Obs 1, w/o FGS-1 parallel.

This observation places the bright target IN one of the guiders. For that observation the intention is to try and use a guide star that is also in that same guider. Planning and scheduling will need to manually enforce this requirement. The particular guider used for this final observation doesn't matter, so the offset SR can be adjusted as needed to use either one if that simplifies planning.

Diagnostics

(Visit 206:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Solar System Targets

#	Name	Level 1	Level 2	Level 3
(1)	JUPITER	STD=JUPITER		

Comments: Preferred target for these activities.
Extended=Unknown

Template

Module	Subarray
ALL	FULL

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		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	F212N	F323N+F322W2	BRIGHT1	4	1	1	1	75.157	

Special Requirements	
	Offset -60.0 arcsec, -180.0 arcsec Guide Star in Guider 2 Visit Splitting Distance 30 Arcsec DEFAULT WINDOW: ANGULAR RATE JUPITER FROM JWST LESS THAN 0.03

Observation

Proposal 1022, Observation 7: NIRCam +V3 Edge Fri Jul 01 22:00:17 GMT 2022

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Diagnostics

(Visit 7:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.
(Visit 7:2) Warning (Form): Overheads are provisional until the Visit Planner has been run.
(Visit 7:3) Warning (Form): Overheads are provisional until the Visit Planner has been run.
(Visit 7:4) Warning (Form): Overheads are provisional until the Visit Planner has been run.
(Visit 7:5) Warning (Form): Overheads are provisional until the Visit Planner has been run.
(Visit 7:6) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Solar System Targets

#	Name	Level 1	Level 2	Level 3
(1)	JUPITER	STD=JUPITER		

Comments: Preferred target for these activities.
Extended=Unknown

Template

Module	Subarray
ALL	FULL

Mosaic

Rows	Columns	Row Overlap %	Column Overlap %	Row shift	Column shift	Tile Order
1	6	0.0	82.0	0.0	0.0	DEFAULT

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		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	F277W	BRIGHT1	5	2	2	1	203.999	

Special Requirements	
	Group Visits within 53.0 Days Visits Same PA Offset 0.0 arcsec, 85.0 arcsec Visit Splitting Distance 30 Arcsec DEFAULT WINDOW: ANGULAR RATE JUPITER FROM JWST LESS THAN 0.03

Observation

Proposal 1022, Observation 8: NIRCam -V3 Edge Fri Jul 01 22:00:17 GMT 2022

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Diagnostics

(Visit 8:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.
(Visit 8:2) Warning (Form): Overheads are provisional until the Visit Planner has been run.
(Visit 8:3) Warning (Form): Overheads are provisional until the Visit Planner has been run.
(Visit 8:4) Warning (Form): Overheads are provisional until the Visit Planner has been run.
(Visit 8:5) Warning (Form): Overheads are provisional until the Visit Planner has been run.
(Visit 8:6) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Solar System Targets

#	Name	Level 1	Level 2	Level 3
(1)	JUPITER	STD=JUPITER		

Comments: Preferred target for these activities.
Extended=Unknown

Template

Module	Subarray
ALL	FULL

Mosaic

Rows	Columns	Row Overlap %	Column Overlap %	Row shift	Column shift	Tile Order
1	6	0.0	82.0	0.0	0.0	DEFAULT

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		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	F277W	BRIGHT1	5	2	2	1	203.999	

Special Requirements	
	Group Visits within 53.0 Days Visits Same PA Offset 0.0 arcsec, -85.0 arcsec Visit Splitting Distance 30 Arcsec DEFAULT WINDOW: ANGULAR RATE JUPITER FROM JWST LESS THAN 0.03

Observation

Proposal 1022, Observation 9: NIRCam V2 FPA Edges Fri Jul 01 22:00:17 GMT 2022

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Diagnostics

(Visit 9:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.
(Visit 9:2) Warning (Form): Overheads are provisional until the Visit Planner has been run.
(Visit 9:3) Warning (Form): Overheads are provisional until the Visit Planner has been run.
(Visit 9:4) Warning (Form): Overheads are provisional until the Visit Planner has been run.
(Visit 9:5) Warning (Form): Overheads are provisional until the Visit Planner has been run.
(Visit 9:6) Warning (Form): Overheads are provisional until the Visit Planner has been run.
(Visit 9:7) Warning (Form): Overheads are provisional until the Visit Planner has been run.
(Visit 9:8) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Solar System Targets

#	Name	Level 1	Level 2	Level 3
(1)	JUPITER	STD=JUPITER		

Comments: Preferred target for these activities.
Extended=Unknown

Template

Module	Subarray
ALL	FULL

Mosaic

Rows	Columns	Row Overlap %	Column Overlap %	Row shift	Column shift	Tile Order
3	3	40.0	40.0	0.0	0.0	HILBERT_CURVE

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		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	F277W	BRIGHT1	5	2	2	1	203.999	

Special Requirements	
	Group Visits within 53.0 Days Visits Same PA Visit Splitting Distance 30 Arcsec DEFAULT WINDOW: ANGULAR RATE JUPITER FROM JWST LESS THAN 0.03

Observation

Proposal 1022, Observation 99: NIRCam V2 FPA Edges Fri Jul 01 22:00:17 GMT 2022

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Diagnostics

(Visit 99:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Solar System Targets

#	Name	Level 1	Level 2	Level 3
(1)	JUPITER	STD=JUPITER		

Comments: Preferred target for these activities.
Extended=Unknown

Template

Module	Subarray
ALL	FULL

Mosaic

Rows	Columns	Row Overlap %	Column Overlap %	Row shift	Column shift	Tile Order
3	3	40.0	40.0	0.0	0.0	HILBERT_CURVE

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		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	F277W	BRIGHT1	5	2	2	1	203.999	

Special Requirements	
	Visit Splitting Distance 30 Arcsec DEFAULT WINDOW: ANGULAR RATE JUPITER FROM JWST LESS THAN 0.03

Observation

Proposal 1022, Observation 10: NIRCam Mod-A FPA center Fri Jul 01 22:00:17 GMT 2022

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Diagnostics

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

Solar System Targets

#	Name	Level 1	Level 2	Level 3
(1)	JUPITER	STD=JUPITER		

Comments: Preferred target for these activities.
Extended=Unknown

Template

Module	Subarray
ALL	FULL

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		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	F140M	F356W	BRIGHT1	5	2	2	1	203.999	

Special Requirements

Offset -92.0 arcsec, 4.0 arcsec
Visit Splitting Distance 30 Arcsec

DEFAULT WINDOW: ANGULAR RATE JUPITER FROM JWST LESS THAN 0.03

Observation

Proposal 1022, Observation 11: NIRCam Mod-B FPA center Fri Jul 01 22:00:17 GMT 2022

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Diagnostics

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

Solar System Targets

#	Name	Level 1	Level 2	Level 3
(1)	JUPITER	STD=JUPITER		

Comments: Preferred target for these activities.
Extended=Unknown

Template

Module	Subarray
ALL	FULL

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		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	F140M	F356W	BRIGHT1	5	2	2	1	203.999	

Special Requirements

Offset 88.0 arcsec, 4.0 arcsec
Visit Splitting Distance 30 Arcsec

DEFAULT WINDOW: ANGULAR RATE JUPITER FROM JWST LESS THAN 0.03

Observation

Proposal 1022, Observation 12: NIRSpec Center Fri Jul 01 22:00:17 GMT 2022

Diagnostic Status: Warning

Observing Template: NIRSpec IFU Spectroscopy

Diagnostics

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

Solar System Targets

#	Name	Level 1	Level 2	Level 3
(1)	JUPITER	STD=JUPITER		

Comments: Preferred target for these activities.
Extended=Unknown

Template

TA Method
NONE

Dithers

#	Dither Type	Size	Starting Point	Number of Points	Points
1	NONE				

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	G140H/F100LP	NRSRAPID	13	2	false	false	NONE	1	2	300.63	
2	G140H/F100LP	NRSRAPID	13	2	true	false	NONE	1	2	300.63	

Special Requirements

Offset 105.0 arcsec, 0.0 arcsec
Visit Splitting Distance 30 Arcsec

DEFAULT WINDOW: ANGULAR RATE JUPITER FROM JWST LESS THAN 0.03

Observation

Proposal 1022, Observation 13: NIRSpec Q1 Fri Jul 01 22:00:17 GMT 2022

Diagnostic Status: Warning

Observing Template: NIRSpec IFU Spectroscopy

Diagnostics

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

Solar System Targets

#	Name	Level 1	Level 2	Level 3
(1)	JUPITER	STD=JUPITER		

Comments: Preferred target for these activities.
Extended=Unknown

Template

TA Method
NONE

Dithers

#	Dither Type	Size	Starting Point	Number of Points	Points
1	NONE				

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	G140H/F100LP	NRSRAPID	13	2	false	false	NONE	1	2	300.63	

Special Requirements

Offset 160.0 arcsec, 60.0 arcsec
Visit Splitting Distance 30 Arcsec

DEFAULT WINDOW: ANGULAR RATE JUPITER FROM JWST LESS THAN 0.03

Observation

Proposal 1022, Observation 14: NIRSpec Q2 Fri Jul 01 22:00:17 GMT 2022

Diagnostic Status: Warning

Observing Template: NIRSpec IFU Spectroscopy

Diagnostics

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

Solar System Targets

#	Name	Level 1	Level 2	Level 3
(1)	JUPITER	STD=JUPITER		

Comments: Preferred target for these activities.
Extended=Unknown

Template

TA Method
NONE

Dithers

#	Dither Type	Size	Starting Point	Number of Points	Points
1	NONE				

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	G140H/F100LP	NRSRAPID	13	2	false	false	NONE	1	2	300.63	

Special Requirements

Offset 160.0 arcsec, -60.0 arcsec
Visit Splitting Distance 30 Arcsec

DEFAULT WINDOW: ANGULAR RATE JUPITER FROM JWST LESS THAN 0.03

Observation

Proposal 1022, Observation 15: NIRSpec Q3 Fri Jul 01 22:00:17 GMT 2022

Diagnostic Status: Warning

Observing Template: NIRSpec IFU Spectroscopy

Diagnostics

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

Solar System Targets

#	Name	Level 1	Level 2	Level 3
(1)	JUPITER	STD=JUPITER		

Comments: Preferred target for these activities.
Extended=Unknown

Template

TA Method
NONE

Dithers

#	Dither Type	Size	Starting Point	Number of Points	Points
1	NONE				

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	G140H/F100LP	NRSRAPID	13	2	false	false	NONE	1	2	300.63	

Special Requirements

Offset 40.0 arcsec, 60.0 arcsec
Visit Splitting Distance 30 Arcsec

DEFAULT WINDOW: ANGULAR RATE JUPITER FROM JWST LESS THAN 0.03

Observation

Proposal 1022, Observation 16: NIRSpec Q4 Fri Jul 01 22:00:17 GMT 2022

Diagnostic Status: Warning

Observing Template: NIRSpec IFU Spectroscopy

Diagnostics

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

Solar System Targets

#	Name	Level 1	Level 2	Level 3
(1)	JUPITER	STD=JUPITER		

Comments: Preferred target for these activities.
Extended=Unknown

Template

TA Method
NONE

Dithers

#	Dither Type	Size	Starting Point	Number of Points	Points
1	NONE				

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	G140H/F100LP	NRSRAPID	13	2	false	false	NONE	1	2	300.63	

Special Requirements

Offset 40.0 arcsec, -60.0 arcsec
Visit Splitting Distance 30 Arcsec

DEFAULT WINDOW: ANGULAR RATE JUPITER FROM JWST LESS THAN 0.03

Observation

Proposal 1022, Observation 17: MIRI -V3 Edge, Position 1 Fri Jul 01 22:00:17 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI Medium Resolution Spectroscopy

Diagnostics

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

Solar System Targets

#	Name	Level 1	Level 2	Level 3
(1)	JUPITER	STD=JUPITER		

Comments: Preferred target for these activities.
Extended=Unknown

Acquisition

#	Target
1	NONE

Template

AcqFilter	Primary Channel	Simultaneous Imaging	Imager Subarray
	ALL	YES	FULL

Spectral Elements

#	Wavelength Range	Detector	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1		IMAGER	F770W	FASTR1	5	2	1	None	1	2	30.525	
1	SHORT(A)	MRSLONG		FASTR1	5	2	1	None	1	2	30.525	
1	SHORT(A)	MRSSHORT		FASTR1	5	2	1	None	1	2	30.525	

Special Requirements	
	Offset -40.0 arcsec, -540.0 arcsec Visit Splitting Distance 30 Arcsec DEFAULT WINDOW: ANGULAR RATE JUPITER FROM JWST LESS THAN 0.03

Observation

Proposal 1022, Observation 18: MIRI -V3 Edge, Position 2 Fri Jul 01 22:00:17 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI Medium Resolution Spectroscopy

Diagnostics

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

Solar System Targets

#	Name	Level 1	Level 2	Level 3
(1)	JUPITER	STD=JUPITER		

Comments: Preferred target for these activities.
Extended=Unknown

Acquisition

#	Target
1	NONE

Template

AcqFilter	Primary Channel	Simultaneous Imaging	Imager Subarray
	ALL	YES	FULL

Spectral Elements

#	Wavelength Range	Detector	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1		IMAGER	F770W	FASTR1	5	2	1	None	1	2	30.525	
1	SHORT(A)	MRSLONG		FASTR1	5	2	1	None	1	2	30.525	
1	SHORT(A)	MRSSHORT		FASTR1	5	2	1	None	1	2	30.525	

Special Requirements	
	Offset -40.0 arcsec, -360.0 arcsec Visit Splitting Distance 30 Arcsec DEFAULT WINDOW: ANGULAR RATE JUPITER FROM JWST LESS THAN 0.03

Observation

Proposal 1022, Observation 19: MIRI -V3 Edge, Position 3 Fri Jul 01 22:00:17 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI Medium Resolution Spectroscopy

Diagnostics

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

Solar System Targets

#	Name	Level 1	Level 2	Level 3
(1)	JUPITER	STD=JUPITER		

Comments: Preferred target for these activities.
Extended=Unknown

Acquisition

#	Target
1	NONE

Template

AcqFilter	Primary Channel	Simultaneous Imaging	Imager Subarray
	ALL	YES	FULL

Spectral Elements

#	Wavelength Range	Detector	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1		IMAGER	F770W	FASTR1	5	2	1	None	1	2	30.525	
1	SHORT(A)	MRSLONG		FASTR1	5	2	1	None	1	2	30.525	
1	SHORT(A)	MRSSHORT		FASTR1	5	2	1	None	1	2	30.525	

Special Requirements	
	Offset -40.0 arcsec, -180.0 arcsec Visit Splitting Distance 30 Arcsec DEFAULT WINDOW: ANGULAR RATE JUPITER FROM JWST LESS THAN 0.03

Observation

Proposal 1022, Observation 20: MIRI +V2 Edge Fri Jul 01 22:00:17 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI Medium Resolution Spectroscopy

Diagnostics

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

Solar System Targets

#	Name	Level 1	Level 2	Level 3
(1)	JUPITER	STD=JUPITER		

Comments: Preferred target for these activities.
Extended=Unknown

Acquisition

#	Target
1	NONE

Template

AcqFilter	Primary Channel	Simultaneous Imaging	Imager Subarray
	ALL	YES	FULL

Spectral Elements

#	Wavelength Range	Detector	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1		IMAGER	F770W	FASTR1	5	2	1	None	1	2	30.525	
1	SHORT(A)	MRSLONG		FASTR1	5	2	1	None	1	2	30.525	
1	SHORT(A)	MRSSHORT		FASTR1	5	2	1	None	1	2	30.525	

Special Requirements	
	Offset -160.0 arcsec, -60.0 arcsec Visit Splitting Distance 30 Arcsec DEFAULT WINDOW: ANGULAR RATE JUPITER FROM JWST LESS THAN 0.03

Observation

Proposal 1022, Observation 21: MIRI +V3 Edge Fri Jul 01 22:00:17 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI Medium Resolution Spectroscopy

Diagnostics

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

Solar System Targets

#	Name	Level 1	Level 2	Level 3
(1)	JUPITER	STD=JUPITER		

Comments: Preferred target for these activities.
Extended=Unknown

Acquisition

#	Target
1	NONE

Template

AcqFilter	Primary Channel	Simultaneous Imaging	Imager Subarray
	ALL	YES	FULL

Spectral Elements

#	Wavelength Range	Detector	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1		IMAGER	F770W	FASTR1	5	2	1	None	1	2	30.525	
1	SHORT(A)	MRSLONG		FASTR1	5	2	1	None	1	2	30.525	
1	SHORT(A)	MRSSHORT		FASTR1	5	2	1	None	1	2	30.525	

Special Requirements	
	Offset -60.0 arcsec, 80.0 arcsec Visit Splitting Distance 30 Arcsec DEFAULT WINDOW: ANGULAR RATE JUPITER FROM JWST LESS THAN 0.03

Observation

Proposal 1022, Observation 22: MIRI -V2 Edge Fri Jul 01 22:00:17 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI Medium Resolution Spectroscopy

Diagnostics

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

Solar System Targets

#	Name	Level 1	Level 2	Level 3
(1)	JUPITER	STD=JUPITER		

Comments: Preferred target for these activities.
Extended=Unknown

Acquisition

#	Target
1	NONE

Template

AcqFilter	Primary Channel	Simultaneous Imaging	Imager Subarray
	ALL	YES	FULL

Spectral Elements

#	Wavelength Range	Detector	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1		IMAGER	F770W	FASTR1	5	2	1	None	1	2	30.525	
1	SHORT(A)	MRSLONG		FASTR1	5	2	1	None	1	2	30.525	
1	SHORT(A)	MRSSHORT		FASTR1	5	2	1	None	1	2	30.525	

Special Requirements	
	Offset 80.0 arcsec, -50.0 arcsec Visit Splitting Distance 30 Arcsec DEFAULT WINDOW: ANGULAR RATE JUPITER FROM JWST LESS THAN 0.03

Observation

Proposal 1022, Observation 23: MIRI Imaging Corners -V2 +V3 Fri Jul 01 22:00:17 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI Medium Resolution Spectroscopy

Diagnostics

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

Solar System Targets

#	Name	Level 1	Level 2	Level 3
(1)	JUPITER	STD=JUPITER		

Comments: Preferred target for these activities.
Extended=Unknown

Acquisition

#	Target
1	NONE

Template

AcqFilter	Primary Channel	Simultaneous Imaging	Imager Subarray
	ALL	YES	FULL

Spectral Elements

#	Wavelength Range	Detector	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1		IMAGER	F770W	FASTR1	5	2	1	None	1	2	30.525	
1	SHORT(A)	MRSLONG		FASTR1	5	2	1	None	1	2	30.525	
1	SHORT(A)	MRSSHORT		FASTR1	5	2	1	None	1	2	30.525	

Special Requirements	
	Offset -20.0 arcsec, 0.0 arcsec Visit Splitting Distance 30 Arcsec DEFAULT WINDOW: ANGULAR RATE JUPITER FROM JWST LESS THAN 0.03

Observation

Proposal 1022, Observation 24: MIRI Imaging Corners -V2 -V3 Fri Jul 01 22:00:17 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI Medium Resolution Spectroscopy

Diagnostics

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

Solar System Targets

#	Name	Level 1	Level 2	Level 3
(1)	JUPITER	STD=JUPITER		

Comments: Preferred target for these activities.
Extended=Unknown

Acquisition

#	Target
1	NONE

Template

AcqFilter	Primary Channel	Simultaneous Imaging	Imager Subarray
	ALL	YES	FULL

Spectral Elements

#	Wavelength Range	Detector	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1		IMAGER	F770W	FASTR1	5	2	1	None	1	2	30.525	
1	SHORT(A)	MRSLONG		FASTR1	5	2	1	None	1	2	30.525	
1	SHORT(A)	MRSSHORT		FASTR1	5	2	1	None	1	2	30.525	

Special Requirements	
	Offset -10.0 arcsec, -110.0 arcsec Visit Splitting Distance 30 Arcsec DEFAULT WINDOW: ANGULAR RATE JUPITER FROM JWST LESS THAN 0.03

Observation

Proposal 1022, Observation 25: MIRI Imaging Corners +V2 -V3 Fri Jul 01 22:00:17 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI Medium Resolution Spectroscopy

Diagnostics

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

Solar System Targets

#	Name	Level 1	Level 2	Level 3
(1)	JUPITER	STD=JUPITER		

Comments: Preferred target for these activities.
Extended=Unknown

Acquisition

#	Target
1	NONE

Template

AcqFilter	Primary Channel	Simultaneous Imaging	Imager Subarray
	ALL	YES	FULL

Spectral Elements

#	Wavelength Range	Detector	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1		IMAGER	F770W	FASTR1	5	2	1	None	1	2	30.525	
1	SHORT(A)	MRSLONG		FASTR1	5	2	1	None	1	2	30.525	
1	SHORT(A)	MRSSHORT		FASTR1	5	2	1	None	1	2	30.525	

Special Requirements	
	Offset -90.0 arcsec, -120.0 arcsec Visit Splitting Distance 30 Arcsec DEFAULT WINDOW: ANGULAR RATE JUPITER FROM JWST LESS THAN 0.03

Observation

Proposal 1022, Observation 26: MIRI Imaging Corner +V2 +V3 Fri Jul 01 22:00:17 GMT 2022

Diagnostic Status: Warning

Observing Template: MIRI Medium Resolution Spectroscopy

Diagnostics

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

Solar System Targets

#	Name	Level 1	Level 2	Level 3
(1)	JUPITER	STD=JUPITER		

Comments: Preferred target for these activities.
Extended=Unknown

Acquisition

#	Target
1	NONE

Template

AcqFilter	Primary Channel	Simultaneous Imaging	Imager Subarray
	ALL	YES	FULL

Spectral Elements

#	Wavelength Range	Detector	Filter	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Dither	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1		IMAGER	F770W	FASTR1	5	2	1	None	1	2	30.525	
1	SHORT(A)	MRSLONG		FASTR1	5	2	1	None	1	2	30.525	
1	SHORT(A)	MRSSHORT		FASTR1	5	2	1	None	1	2	30.525	

Special Requirements	
	Offset -90.0 arcsec, 0.0 arcsec Visit Splitting Distance 30 Arcsec DEFAULT WINDOW: ANGULAR RATE JUPITER FROM JWST LESS THAN 0.03

Observation

Proposal 1022, Observation 27: NIRISS +V3 Edge Fri Jul 01 22:00:17 GMT 2022

Diagnostic Status: Warning

Observing Template: NIRISS Imaging

Diagnostics

(NIRISS +V3 Edge (Obs 27)) Warning (Form): Dither = NONE is strongly discouraged for NIRISS Imaging of science targets.

(NIRISS +V3 Edge (Obs 27)) Warning (Form): NIRISS Imaging is only recommended for use in a coordinated or pure parallel mode, not as a prime template.

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

Solar System Targets

#	Name	Level 1	Level 2	Level 3
(1)	JUPITER	STD=JUPITER		

Comments: Preferred target for these activities.
Extended=Unknown

Dithers

#	Image Dithers	Pattern Size
1	NONE	MEDIUM

Spectral Elements

#	Filter	Grism	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F480M		NISRAPID	5	2	1	2	128.841	

Special Requirements

Offset 0.0 arcsec, 120.0 arcsec
Visit Splitting Distance 30 Arcsec

DEFAULT WINDOW: ANGULAR RATE JUPITER FROM JWST LESS THAN 0.03

Observation

Proposal 1022, Observation 28: NIRISS -V2 Edge Fri Jul 01 22:00:17 GMT 2022

Diagnostic Status: Warning

Observing Template: NIRISS Imaging

Diagnostics

(NIRISS -V2 Edge (Obs 28)) Warning (Form): Dither = NONE is strongly discouraged for NIRISS Imaging of science targets.

(NIRISS -V2 Edge (Obs 28)) Warning (Form): NIRISS Imaging is only recommended for use in a coordinated or pure parallel mode, not as a prime template.

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

Solar System Targets

#	Name	Level 1	Level 2	Level 3
(1)	JUPITER	STD=JUPITER		

Comments: Preferred target for these activities.
Extended=Unknown

Dithers

#	Image Dithers	Pattern Size
1	NONE	MEDIUM

Spectral Elements

#	Filter	Grism	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F480M		NISRAPID	5	2	1	2	128.841	

Special Requirements

Offset 120.0 arcsec, 0.0 arcsec
Visit Splitting Distance 30 Arcsec

DEFAULT WINDOW: ANGULAR RATE JUPITER FROM JWST LESS THAN 0.03

Observation

Proposal 1022, Observation 29: NIRISS -V3 Edge Fri Jul 01 22:00:17 GMT 2022

Diagnostic Status: Warning

Observing Template: NIRISS Imaging

Diagnostics

(NIRISS -V3 Edge (Obs 29)) Warning (Form): Dither = NONE is strongly discouraged for NIRISS Imaging of science targets.

(NIRISS -V3 Edge (Obs 29)) Warning (Form): NIRISS Imaging is only recommended for use in a coordinated or pure parallel mode, not as a prime template.

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

Solar System Targets

#	Name	Level 1	Level 2	Level 3
(1)	JUPITER	STD=JUPITER		

Comments: Preferred target for these activities.
Extended=Unknown

Dithers

#	Image Dithers	Pattern Size
1	NONE	MEDIUM

Spectral Elements

#	Filter	Grism	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F480M		NISRAPID	5	2	1	2	128.841	

Special Requirements

Offset 0.0 arcsec, -120.0 arcsec
Visit Splitting Distance 30 Arcsec

DEFAULT WINDOW: ANGULAR RATE JUPITER FROM JWST LESS THAN 0.03

Observation

Proposal 1022, Observation 30: NIRISS +V2 Edge Fri Jul 01 22:00:17 GMT 2022

Diagnostic Status: Warning

Observing Template: NIRISS Imaging

Diagnostics

(NIRISS +V2 Edge (Obs 30)) Warning (Form): Dither = NONE is strongly discouraged for NIRISS Imaging of science targets.

(NIRISS +V2 Edge (Obs 30)) Warning (Form): NIRISS Imaging is only recommended for use in a coordinated or pure parallel mode, not as a prime template.

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

Solar System Targets

#	Name	Level 1	Level 2	Level 3
(1)	JUPITER	STD=JUPITER		

Comments: Preferred target for these activities.
Extended=Unknown

Dithers

#	Image Dithers	Pattern Size
1	NONE	MEDIUM

Spectral Elements

#	Filter	Grism	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	ETC Wkbk.Calc ID
1	F480M		NISRAPID	5	2	1	2	128.841	

Special Requirements

Offset -120.0 arcsec, 0.0 arcsec
Visit Splitting Distance 30 Arcsec

DEFAULT WINDOW: ANGULAR RATE JUPITER FROM JWST LESS THAN 0.03