Coordinated Parallel Observations

Program,	Comment	
Obs(.Exposure_Spec)	Comment	
	of Prime and Parallel Observations	
Prime MIRI Imaging		
201 1	NIRCam Imaging	
202 1	NIRISS Wide Field Slitless Spectroscopy	
202 1	FGS External Calibration	
Prime MIRI MRS		
209 2	FGS External Calibration	
NIRCam Imaging		
203 1	MIRI Imaging	
204 1	NIRISS Imaging	
205 1	NIRISS Wide Field Slitless Spectroscopy	
NIRCam Engineering In		
209 3	FGS Exernal Calibration	
NIRSpec Imaging		
209 5	FGS Exernal Calibration	
NIRSpec Multi-Object S	Spectroscopy	
208 1	NIRCam Imaging	
NIRISS Wide Field Slit	tless Spectroscopy	
206 1	MIRI Imaging	
207 1	NIRCam Imaging	
NIRISS External Calibr	ation	
209 4	FGS Exernal Calibration	
General Requirements		
	specify coordinated observation by checking Coordinated Parallel	
201 1	box	
919 5	when checked error to not set Coordinated Template	
201-208	prime observation will offer additional dithers	
201-208	coordinated parallel template will NOT include dither parameters	
919 2.02	parallel mut have same number of total exposures as prime	
200 1.01	first parallel exp done in parallel with first prime	
200 1.02, 1.03, 1.04	second parallel done in parallel with second prime, etc.	
	for each prime/parallel pair, duration of parallel cannot exceed	
919 1.02	that of prime	
201 1, 202 1	when MIRI Imaging prime number of exposures/dither=1	
203 1	when MIRI Imaging parallel number of exposures/dither=1	
919 7.01	NIRCam RAPID cannot be used as prime	
919 1.01	NIRCam RAPID cannot be used as parallel	
919 7.02	NIRCam BRIGHT1 can only be used if Module!=ALL prime	
919 8.01	NIRCam BRIGHT1 can only be used if Module!=ALL parallel	
208 1.06	NIRCam BRIGHT2 can't be used when NIRSpec MOS prime	
NIRISS WFSS as prime		
206 1, 2 (BOTH)	each parallel MIRI must consist of 3 (5) exp specs for each	
legal	WFSS science exposure spec	
207 1, 2(BOTH)	each parallel NIRCam must consist of 3 (5) exp specs for each	
legal	WFSS science exposure spec	

	1st and 3rd (1st and 5th) WFSS must be undithered
207 1 2 (BOTH)	1 total dither)
010.0	if WFSS exp spec completed first APT will automatically give
919 9	correct number of dithers for parallels as you create them
NIRISS WFSS as parallel with MIRI prime	
	Direct Image Prime - special MIRI parameter to make exp count
202 1	match
202 3	Direct Image Prime = No_Dithering
919 10	Direct Image Prime = No_Dithering (default)
202 1	Direct Image Prime = Dither_Direct_Images
	No_Dithering APT will require you to select Dither NONE for
202 3	those MIRI images that match the WFSS direct exposures
	Direct_Dither_Images parallel NIRISS WFSS direct images will be
202 1	dithered to match MIRI prime dithering
NIRISS WFSS as parallel with NIRCam prime	
	Direct Image Exposures - special NIRCam parameter to make
205 1	the exp count match
205 1	Direct Image Exposures = No_Dithering
919 11	Direct Image Exposures = No Dithering (default)
205 2	Direct Image Exposures = Dither_Direct_Images
	No_Dithering NIRCam images that match WFSS direct exps
205 1	will not be dithered
	Dither_Direct_Images NIRCam images will be dithered as
205 2	specified, NIRISS WFSS direct images will be dithered to match
919 6	APT should automatically add NO PARALLEL sr to coordinated obs
919 3	error if NO PARALLEL sr removed