



15811 - Rest-frame UV/optical Morphologies of Obscured Radio Starbursts: Comparing Obscured and Unobscured Star-Formation on kpc Scales

Cycle: 27, Proposal Category: GO

(Availability Mode: SUPPORTED)

INVESTIGATORS

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Proposal 15811 (STScI Edit Number: 2, Created: Friday, September 20, 2019 at 11:01:26 AM Eastern Standard Time) - Overview

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VISITS

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(169) SCLASS0	ACS/WFC WFC3/IR	1	20-Sep-2019 12:01:15.0	yes
02	(170) SCLASS1	ACS/WFC WFC3/IR	1	20-Sep-2019 12:01:17.0	yes
03	(171) SCLASS2	ACS/WFC WFC3/IR	1	20-Sep-2019 12:01:18.0	yes
04	(172) SCLASS3	ACS/WFC WFC3/IR	1	20-Sep-2019 12:01:19.0	yes
05	(173) SCLASS4	ACS/WFC WFC3/IR	1	20-Sep-2019 12:01:20.0	yes
06	(174) SCLASS5	ACS/WFC WFC3/IR	1	20-Sep-2019 12:01:21.0	yes
07	(175) SCLASS6	ACS/WFC WFC3/IR	1	20-Sep-2019 12:01:23.0	yes
08	(176) SCLASS7	ACS/WFC WFC3/IR	1	20-Sep-2019 12:01:24.0	yes
09	(177) SCLASS8	ACS/WFC WFC3/IR	1	20-Sep-2019 12:01:25.0	yes
10	(178) SCLASS9	ACS/WFC WFC3/IR	1	20-Sep-2019 12:01:26.0	yes

10 Total Orbits Used

ABSTRACT

The high-resolution e-MERLIN SuperCLASS radio survey provides \sim kpc mapping of obscured star formation in hundreds of dusty starbursts via high-resolution 0.1" radio continuum imaging. Through the detection of hundreds of the most vigorous starbursts across $0 < z < 4$, this gives us an accurate census of the physical size and surface density of extended star formation. Here we propose to obtain deep ACS and/or WFC3 snapshots of 102 of the first deep e-MERLIN-detected starbursts in the SuperCLASS field using 10 orbits of HST time. The high-resolution optical (F814W) imaging will provide a direct, resolution-matched mapping of unobscured star formation via the rest-frame UV, enabling an analysis of dust geometry of high- z starbursts and an analysis of their physical drivers (e.g. mergers or isolated disks). In addition to our galaxy evolution goals, the ACS imaging, along with coordinated WFC3 parallels, will help guide a radio weak-lensing analysis; radio weak lensing is in its infancy, but will be one of the primary science tools to constrain cosmic shear and the Universe's expansion using the Square Kilometer Array (SKA) in particular because disentangling chance alignment using polarization is a unique advantage of the radio, beyond optical-only weak lensing analysis.

OBSERVING DESCRIPTION

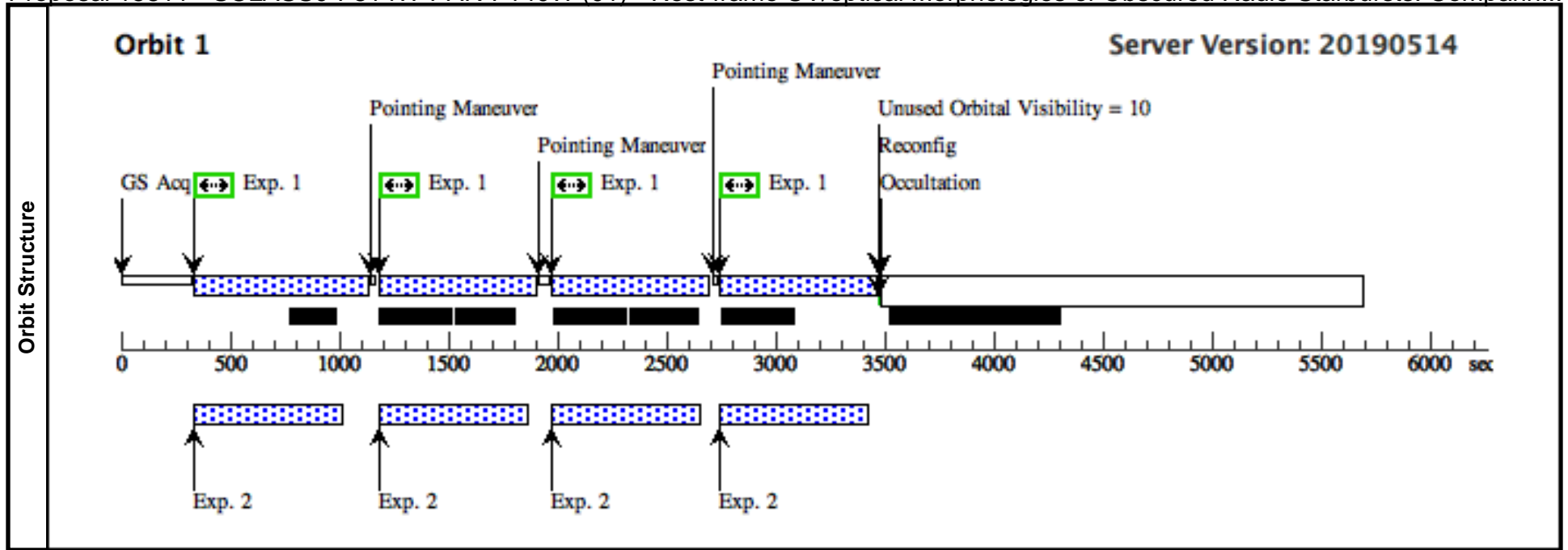
This program is a simple 10 orbit imaging program in ACS F814W and WFC3 F140W. There are approximately 100 radio galaxy targets scattered in the "SuperCLASS" field, and here we have designed the orbits to maximize coverage of them with fixed orientation angles. The targets SCLASS0 through SCLASS9 are not real targets, but positions chosen, in conjunction with the optimal ORIENT, to cover the true intended sources in the given exposure pattern.

There are four exposures for ACS and four exposures for WFC3 per orbit, and each exposure is separated by a pointing move. The first and last move are relatively small (13") while the middle move is relatively large (120") to maximize coverage of sources (we realize that this means there will be fewer than 4 ACS exposures in some regions as a result).

Proposal 15811 - SCLASS0-F814W-PAR-F140W (01) - Rest-frame UV/optical Morphologies of Obscured Radio Starbursts: Comparin...

Fri Sep 20 16:01:26 GMT 2019

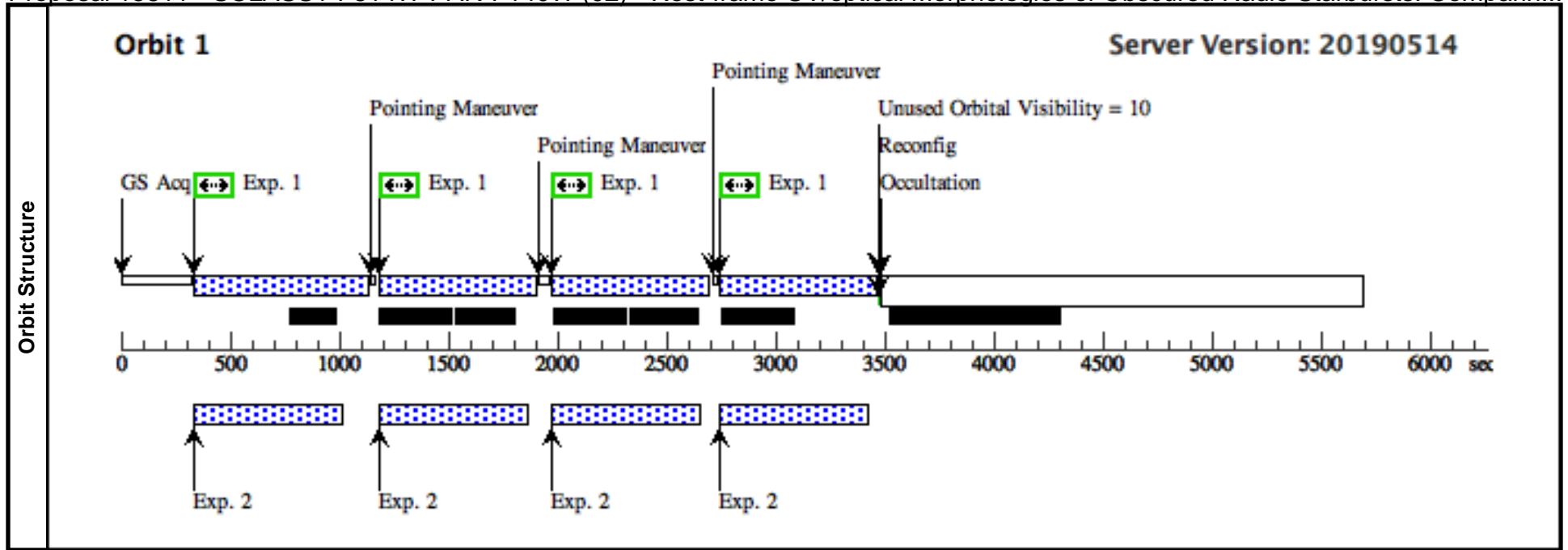
Visit	Proposal 15811, SCLASS0-F814W-PAR-F140W (01), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: ORIENT 106D TO 114 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(1)	Pattern Type=BOX Purpose=DITHER Number Of Points=4 Point Spacing=13 Line Spacing=120	Coordinate Frame=POS-TARG Pattern Orientation=45 Angle Between Sides=90 Center Pattern=false		(1-2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(169)	SCLASS0	RA: 10 26 43.7113 (156.6821304d) Dec: +68 12 15.93 (68.20443d) Equinox: J2000		V=22	Reference Frame: ICRS				
	<i>Comments:</i> Category=GALAXY Description=[RADIO GALAXY]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(169) SCLASS0	ACS/WFC, ACCUM, WFC	F814W			GS ACQ SCENARIO BASE1B3	Pattern 1, Exps 1-2 in SCLASS0-F814W-PAR-F140W (01) (1) Prime + Parallel Group 1-2 in Pattern 1, Exps 1-2 in SCLASS0-F814W-PAR-F140W (01)	440 Secs (2380 Secs) [==>595.0 Secs (Pattern 1)] [==>595.0 Secs (Pattern 2)] [==>595.0 Secs (Pattern 3)] [==>595.0 Secs (Pattern 4)]
	2		(169) SCLASS0	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=14; SAMP-SEQ=SPARS50		Pattern 1, Exps 1-2 in SCLASS0-F814W-PAR-F140W (01) (1) Prime + Parallel Group 1-2 in Pattern 1, Exps 1-2 in SCLASS0-F814W-PAR-F140W (01)	652.938154 Secs (2611.753 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]



Proposal 15811 - SCLASS1-F814W-PAR-F140W (02) - Rest-frame UV/optical Morphologies of Obscured Radio Starbursts: Comparin...

Fri Sep 20 16:01:27 GMT 2019

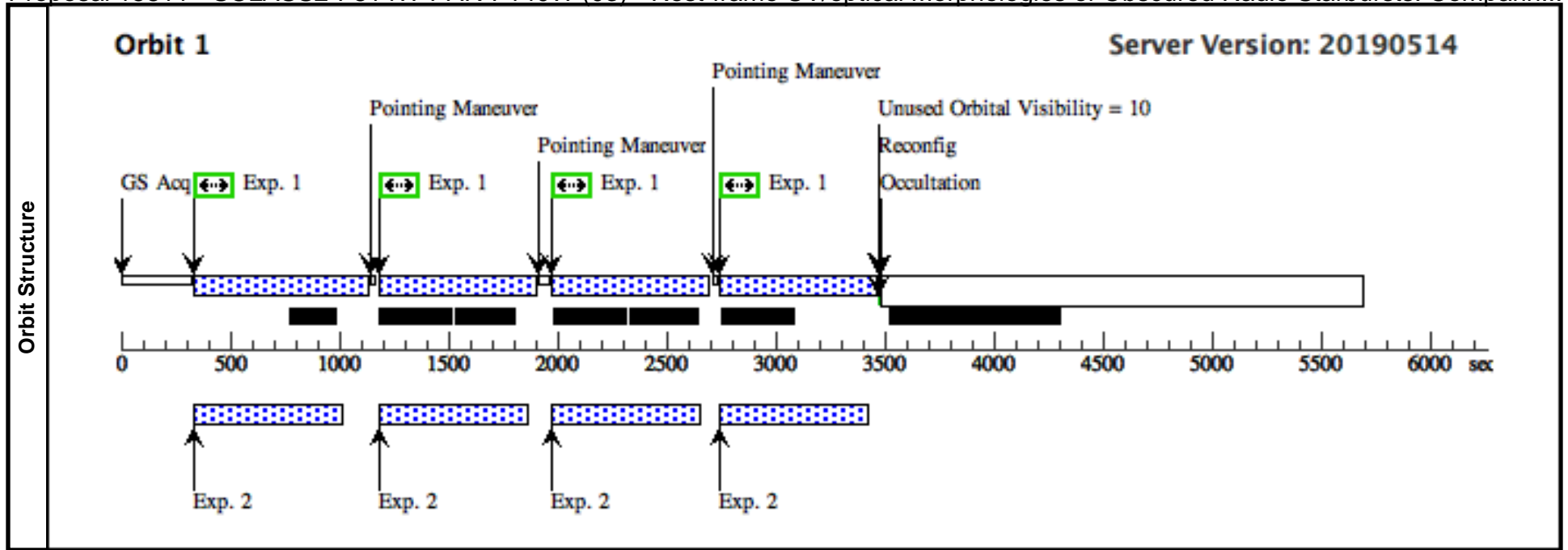
Visit	Proposal 15811, SCLASS1-F814W-PAR-F140W (02), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: ORIENT 345D TO 354 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(1)	Pattern Type=BOX Purpose=DITHER Number Of Points=4 Point Spacing=13 Line Spacing=120	Coordinate Frame=POS-TARG Pattern Orientation=45 Angle Between Sides=90 Center Pattern=false		(1-2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(170)	SCLASS1	RA: 10 26 35.5050 (156.6479375d) Dec: +68 07 56.50 (68.13236d) Equinox: J2000 <i>Comments:</i> Category=GALAXY Description=[RADIO GALAXY]		V=22	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(170) SCLASS1	ACS/WFC, ACCUM, WFC	F814W	NSAMP=14; SAMP-SEQ=SPAR S50	GS ACQ SCENARI O BASE1B3	Pattern 1, Exps 1-2 i n SCLASS1-F814W- PAR-F140W (02) (1) Prime + Parallel Gro up 1-2 in Pattern 1, E xps 1-2 in SCLASS1 -F814W-PAR-F140 W (02)	440 Secs (2380 Secs) [==>595.0 Secs (Pattern 1)] [==>595.0 Secs (Pattern 2)] [==>595.0 Secs (Pattern 3)] [==>595.0 Secs (Pattern 4)]	[1]	
2	(170) SCLASS1	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=14; SAMP-SEQ=SPAR S50	NSAMP=14; SAMP-SEQ=SPAR S50	Pattern 1, Exps 1-2 i n SCLASS1-F814W- PAR-F140W (02) (1) Prime + Parallel Gro up 1-2 in Pattern 1, E xps 1-2 in SCLASS1 -F814W-PAR-F140 W (02)	652.938154 Secs (2611.753 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]		



Proposal 15811 - SCLASS2-F814W-PAR-F140W (03) - Rest-frame UV/optical Morphologies of Obscured Radio Starbursts: Comparin...

Fri Sep 20 16:01:27 GMT 2019

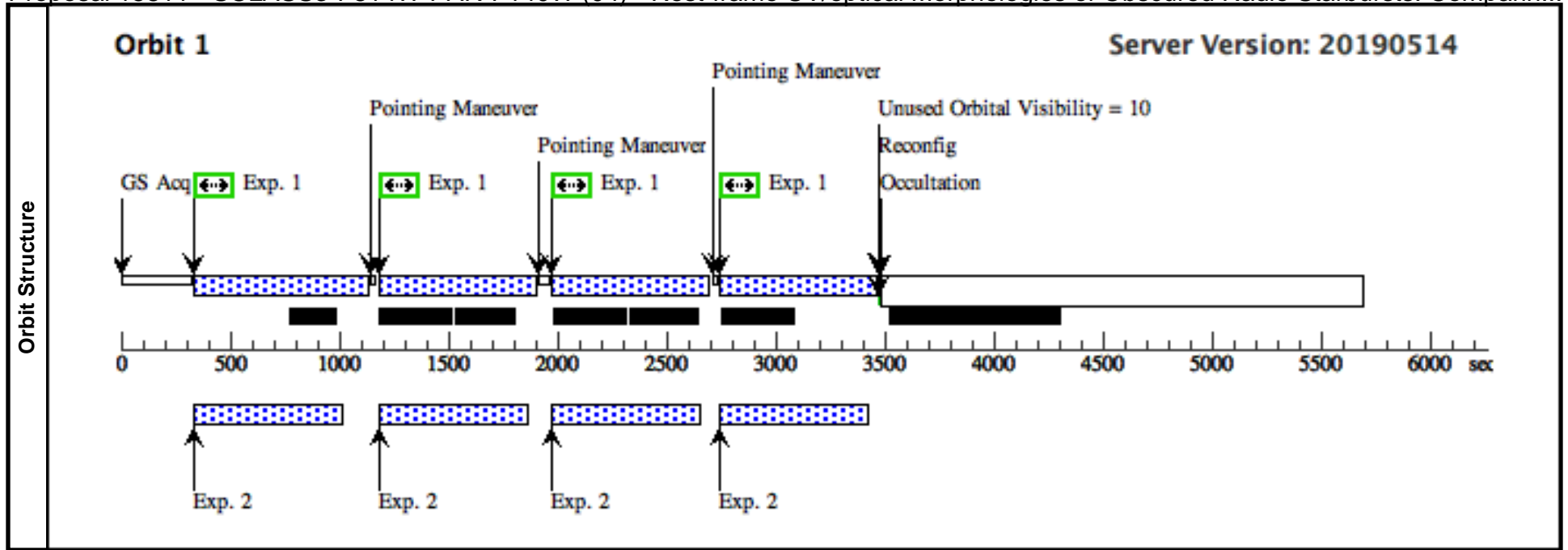
Visit	Proposal 15811, SCLASS2-F814W-PAR-F140W (03), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: ORIENT 197D TO 213 D									
	Patterns	#	Primary Pattern				Secondary Pattern			Exposures
(1)		Pattern Type=BOX Purpose=DITHER Number Of Points=4 Point Spacing=13 Line Spacing=120	Coordinate Frame=POS-TARG Pattern Orientation=45 Angle Between Sides=90 Center Pattern=false						(1-2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(171)	SCLASS2	RA: 10 22 37.2160 (155.6550667d) Dec: +68 10 49.35 (68.18037d) Equinox: J2000				V=22		Reference Frame: ICRS	
Comments: Category=GALAXY Description=[RADIO GALAXY]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(171) SCLASS2	ACS/WFC, ACCUM, WFC	F814W		GS ACQ SCENARI O BASE1B3	Pattern 1, Exps 1-2 i n SCLASS2-F814W- PAR-F140W (03) (1) Prime + Parallel Gro up 1-2 in Pattern 1, E xps 1-2 in SCLASS2 -F814W-PAR-F140 W (03)	440 Secs (2380 Secs) [==>595.0 Secs (Pattern 1)] [==>595.0 Secs (Pattern 2)] [==>595.0 Secs (Pattern 3)] [==>595.0 Secs (Pattern 4)]	[1]	
	2	(171) SCLASS2	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=14; SAMP-SEQ=SPAR S50		Pattern 1, Exps 1-2 i n SCLASS2-F814W- PAR-F140W (03) (1) Prime + Parallel Gro up 1-2 in Pattern 1, E xps 1-2 in SCLASS2 -F814W-PAR-F140 W (03)	652.938154 Secs (2611.753 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]	



Proposal 15811 - SCLASS3-F814W-PAR-F140W (04) - Rest-frame UV/optical Morphologies of Obscured Radio Starbursts: Comparin...

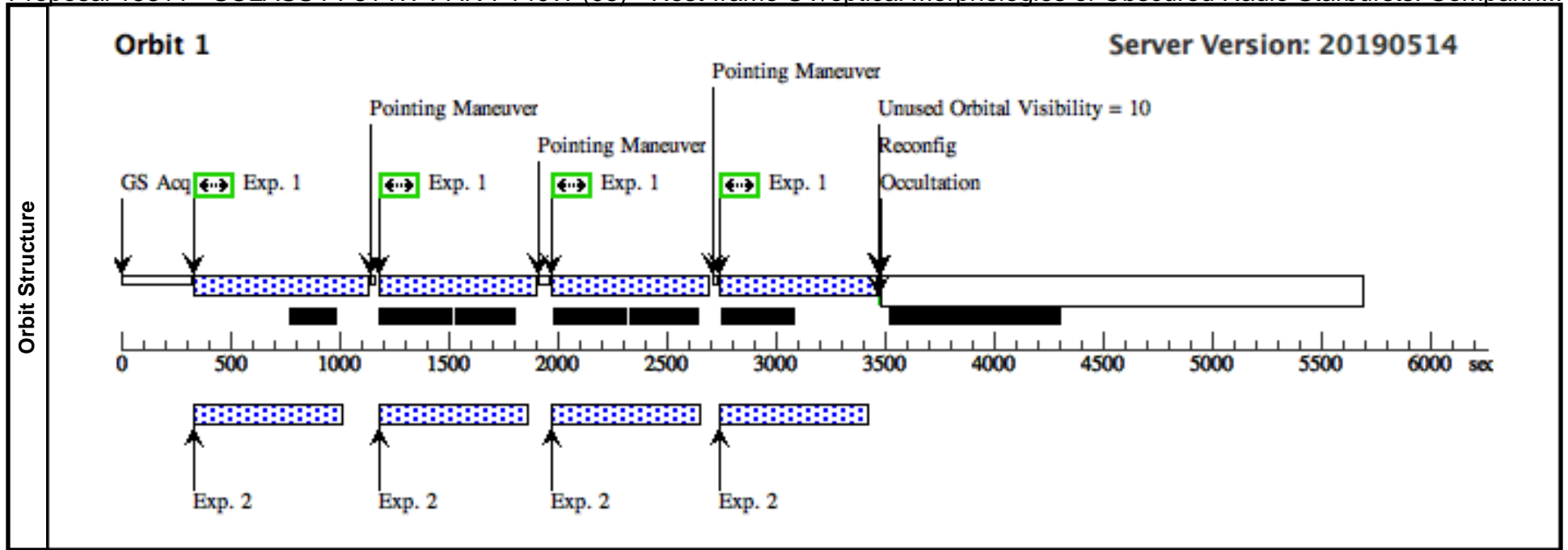
Fri Sep 20 16:01:27 GMT 2019

Visit	Proposal 15811, SCLASS3-F814W-PAR-F140W (04), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: ORIENT 7D TO 12 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(1)	Pattern Type=BOX Purpose=DITHER Number Of Points=4 Point Spacing=13 Line Spacing=120	Coordinate Frame=POS-TARG Pattern Orientation=45 Angle Between Sides=90 Center Pattern=false		(1-2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(172)	SCLASS3	RA: 10 26 20.2730 (156.5844708d) Dec: +68 00 5.59 (68.00155d) Equinox: J2000 <i>Comments:</i> Category=GALAXY Description=[RADIO GALAXY]		V=22	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(172) SCLASS3	ACS/WFC, ACCUM, WFC	F814W		GS ACQ SCENARI O BASE1B3	Pattern 1, Exps 1-2 i n SCLASS3-F814W- PAR-F140W (04) (1) Prime + Parallel Gro up 1-2 in Pattern 1, E xps 1-2 in SCLASS3 -F814W-PAR-F140 W (04)	440 Secs (2380 Secs) [==>595.0 Secs (Pattern 1)] [==>595.0 Secs (Pattern 2)] [==>595.0 Secs (Pattern 3)] [==>595.0 Secs (Pattern 4)]	[1]
2		(172) SCLASS3	WFC3/IR, MULTIACCUM, IR	F140W		NSAMP=14; SAMP-SEQ=SPAR S50	Pattern 1, Exps 1-2 i n SCLASS3-F814W- PAR-F140W (04) (1) Prime + Parallel Gro up 1-2 in Pattern 1, E xps 1-2 in SCLASS3 -F814W-PAR-F140 W (04)	652.938154 Secs (2611.753 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]	



Proposal 15811 - SCLASS4-F814W-PAR-F140W (05) - Rest-frame UV/optical Morphologies of Obscured Radio Starbursts: Comparin...

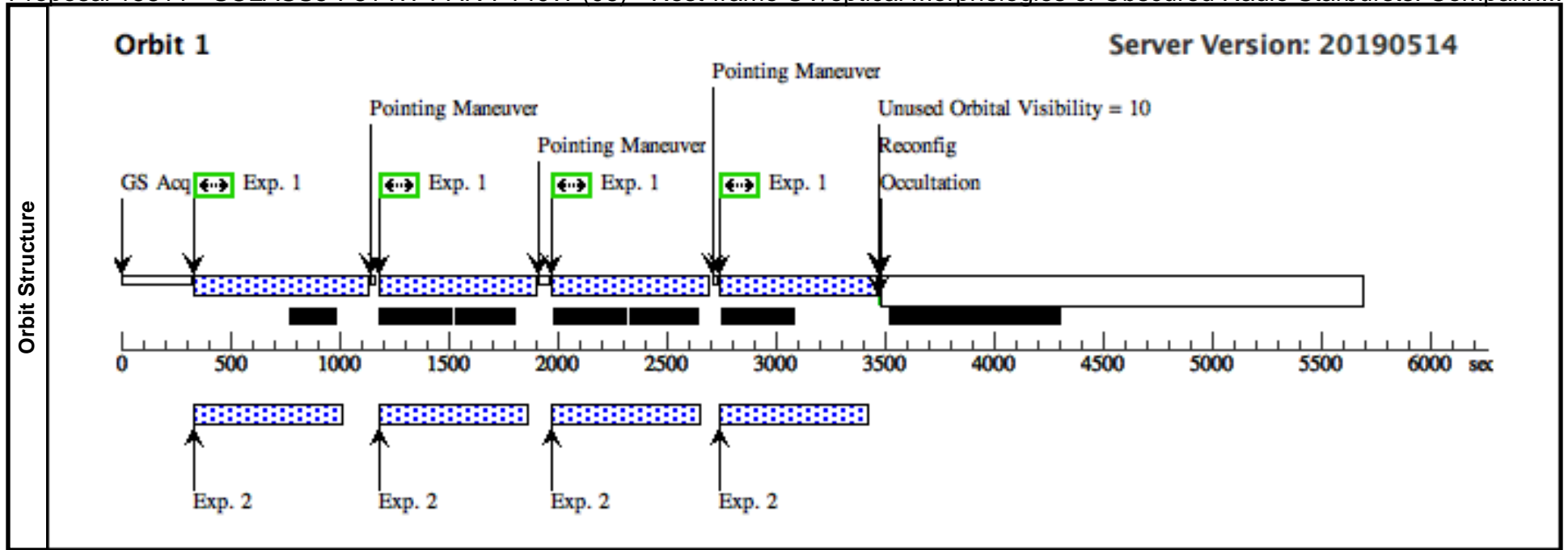
Visit	Proposal 15811, SCLASS4-F814W-PAR-F140W (05), implementation Fri Sep 20 16:01:27 GMT 2019 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: ORIENT 123D TO 133 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=BOX Purpose=DITHER Number Of Points=4 Point Spacing=13 Line Spacing=120	Coordinate Frame=POS-TARG Pattern Orientation=45 Angle Between Sides=90 Center Pattern=false		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(173)	SCLASS4	RA: 10 25 36.2864 (156.4011933d) Dec: +68 01 13.94 (68.02054d) Equinox: J2000		V=22	Reference Frame: ICRS				
	<i>Comments:</i> Category=GALAXY Description=[RADIO GALAXY]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(173) SCLASS4	ACS/WFC, ACCUM, WFC	F814W		GS ACQ SCENARI O BASE1B3	Pattern 1, Exps 1-2 i n SCLASS4-F814W- PAR-F140W (05) (1) Prime + Parallel Gro up 1-2 in Pattern 1, E xps 1-2 in SCLASS4 -F814W-PAR-F140 W (05)	440 Secs (2380 Secs) [==>595.0 Secs (Pattern 1)] [==>595.0 Secs (Pattern 2)] [==>595.0 Secs (Pattern 3)] [==>595.0 Secs (Pattern 4)]	[1]
	2		(173) SCLASS4	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=14; SAMP-SEQ=SPAR S50		Pattern 1, Exps 1-2 i n SCLASS4-F814W- PAR-F140W (05) (1) Prime + Parallel Gro up 1-2 in Pattern 1, E xps 1-2 in SCLASS4 -F814W-PAR-F140 W (05)	652.938154 Secs (2611.753 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]



Proposal 15811 - SCLASS5-F814W-PAR-F140W (06) - Rest-frame UV/optical Morphologies of Obscured Radio Starbursts: Comparin...

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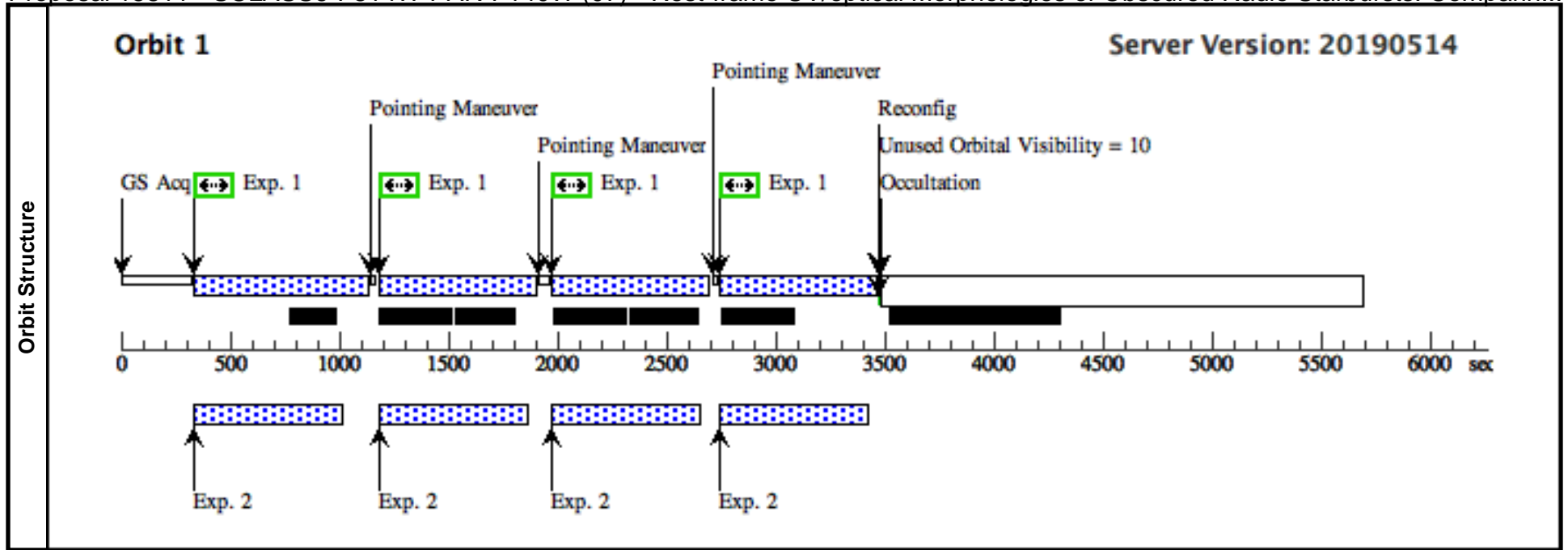
Visit	Proposal 15811, SCLASS5-F814W-PAR-F140W (06), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: ORIENT 350D TO 352 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(1)	Pattern Type=BOX Purpose=DITHER Number Of Points=4 Point Spacing=13 Line Spacing=120	Coordinate Frame=POS-TARG Pattern Orientation=45 Angle Between Sides=90 Center Pattern=false		(1-2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(174)	SCLASS5	RA: 10 24 54.7900 (156.2282917d) Dec: +68 06 1.10 (68.10031d) Equinox: J2000 <i>Comments:</i> Category=GALAXY Description=[RADIO GALAXY]		V=22	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(174) SCLASS5	ACS/WFC, ACCUM, WFC	F814W		GS ACQ SCENARI O BASE1B3	Pattern 1, Exps 1-2 i n SCLASS5-F814W- PAR-F140W (06) (1) Prime + Parallel Gro up 1-2 in Pattern 1, E xps 1-2 in SCLASS5 -F814W-PAR-F140 W (06)	440 Secs (2380 Secs) [==>595.0 Secs (Pattern 1)] [==>595.0 Secs (Pattern 2)] [==>595.0 Secs (Pattern 3)] [==>595.0 Secs (Pattern 4)]	[1]
2		(174) SCLASS5	WFC3/IR, MULTIACCUM, IR	F140W		NSAMP=14; SAMP-SEQ=SPAR S50	Pattern 1, Exps 1-2 i n SCLASS5-F814W- PAR-F140W (06) (1) Prime + Parallel Gro up 1-2 in Pattern 1, E xps 1-2 in SCLASS5 -F814W-PAR-F140 W (06)	652.938154 Secs (2611.753 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]	



Proposal 15811 - SCLASS6-F814W-PAR-F140W (07) - Rest-frame UV/optical Morphologies of Obscured Radio Starbursts: Comparin...

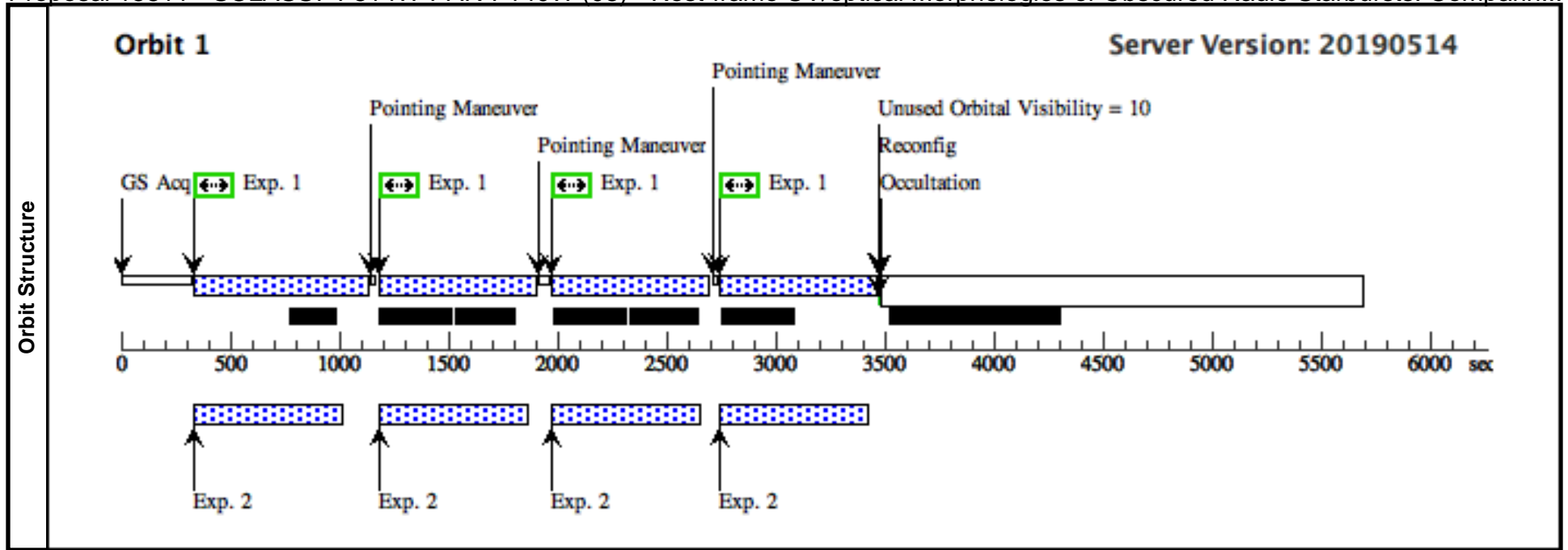
Fri Sep 20 16:01:27 GMT 2019

Visit	Proposal 15811, SCLASS6-F814W-PAR-F140W (07), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: ORIENT 64D TO 74 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=BOX Purpose=DITHER Number Of Points=4 Point Spacing=13 Line Spacing=120	Coordinate Frame=POS-TARG Pattern Orientation=45 Angle Between Sides=90 Center Pattern=false		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(175)	SCLASS6	RA: 10 23 53.3739 (155.9723912d) Dec: +68 02 5.33 (68.03481d) Equinox: J2000		V=22	Reference Frame: ICRS				
	<i>Comments:</i> Category=GALAXY Description=[RADIO GALAXY]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(175) SCLASS6	ACS/WFC, ACCUM, WFC	F814W			GS ACQ SCENARI O BASE1B3	Pattern 1, Exps 1-2 in SCLASS6-F814W-PAR-F140W (07) (1) Prime + Parallel Group 1-2 in Pattern 1, Exps 1-2 in SCLASS6-F814W-PAR-F140W (07)	440 Secs (2380 Secs) [==>595.0 Secs (Pattern 1)] [==>595.0 Secs (Pattern 2)] [==>595.0 Secs (Pattern 3)] [==>595.0 Secs (Pattern 4)]
2		(175) SCLASS6	WFC3/IR, MULTIACCUM, IR	F140W		NSAMP=14; SAMP-SEQ=SPARS50		Pattern 1, Exps 1-2 in SCLASS6-F814W-PAR-F140W (07) (1) Prime + Parallel Group 1-2 in Pattern 1, Exps 1-2 in SCLASS6-F814W-PAR-F140W (07)	652.938154 Secs (2611.753 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]



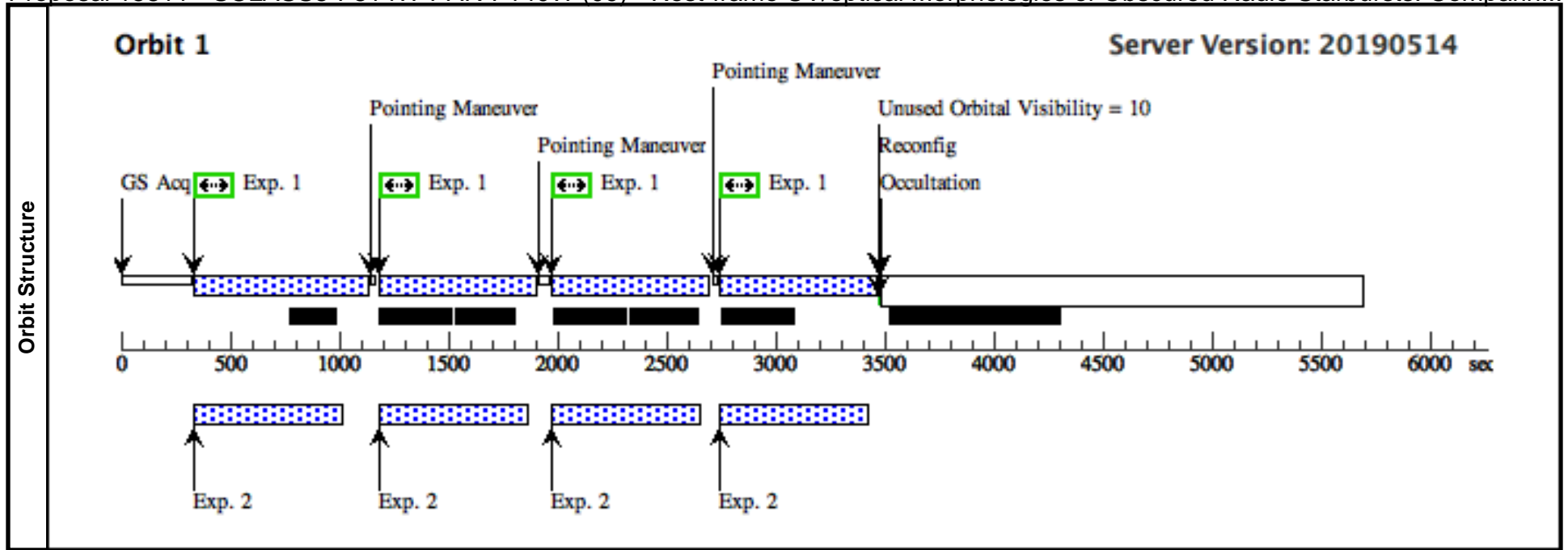
Proposal 15811 - SCLASS7-F814W-PAR-F140W (08) - Rest-frame UV/optical Morphologies of Obscured Radio Starbursts: Comparin...

Visit	Proposal 15811, SCLASS7-F814W-PAR-F140W (08), implementation Fri Sep 20 16:01:27 GMT 2019									
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: ORIENT 340D TO 350 D									
Patterns	#	Primary Pattern		Secondary Pattern	Exposures					
		(1)	Pattern Type=BOX Purpose=DITHER Number Of Points=4 Point Spacing=13 Line Spacing=120	Coordinate Frame=POS-TARG Pattern Orientation=45 Angle Between Sides=90 Center Pattern=false		(1-2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(176)	SCLASS7	RA: 10 23 59.8158 (155.9992325d) Dec: +68 11 38.90 (68.19414d) Equinox: J2000		V=22	Reference Frame: ICRS				
<i>Comments:</i> Category=GALAXY Description=[RADIO GALAXY]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(176) SCLASS7	ACS/WFC, ACCUM, WFC	F814W			GS ACQ SCENARI O BASE1B3	Pattern 1, Exps 1-2 i n SCLASS7-F814W- PAR-F140W (08) (1) Prime + Parallel Gro up 1-2 in Pattern 1, E xps 1-2 in SCLASS7 -F814W-PAR-F140 W (08)	440 Secs (2380 Secs) [==>595.0 Secs (Pattern 1)] [==>595.0 Secs (Pattern 2)] [==>595.0 Secs (Pattern 3)] [==>595.0 Secs (Pattern 4)]
2		(176) SCLASS7	WFC3/IR, MULTIACCUM, IR	F140W		NSAMP=14; SAMP-SEQ=SPAR S50		Pattern 1, Exps 1-2 i n SCLASS7-F814W- PAR-F140W (08) (1) Prime + Parallel Gro up 1-2 in Pattern 1, E xps 1-2 in SCLASS7 -F814W-PAR-F140 W (08)	652.938154 Secs (2611.753 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]



Proposal 15811 - SCLASS8-F814W-PAR-F140W (09) - Rest-frame UV/optical Morphologies of Obscured Radio Starbursts: Comparin...

Visit	Proposal 15811, SCLASS8-F814W-PAR-F140W (09), implementation Fri Sep 20 16:01:27 GMT 2019 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: ORIENT 355D TO 5 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=BOX Purpose=DITHER Number Of Points=4 Point Spacing=13 Line Spacing=120	Coordinate Frame=POS-TARG Pattern Orientation=45 Angle Between Sides=90 Center Pattern=false		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(177)	SCLASS8	RA: 10 22 10.9100 (155.5454583d) Dec: +68 02 40.26 (68.04452d) Equinox: J2000		V=22	Reference Frame: ICRS				
	<i>Comments:</i> Category=GALAXY Description=[RADIO GALAXY]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(177) SCLASS8	ACS/WFC, ACCUM, WFC	F814W		GS ACQ SCENARI O BASE1B3	Pattern 1, Exps 1-2 i n SCLASS8-F814W- PAR-F140W (09) (1) Prime + Parallel Gro up 1-2 in Pattern 1, E xps 1-2 in SCLASS8 -F814W-PAR-F140 W (09)	440 Secs (2380 Secs) [==>595.0 Secs (Pattern 1)] [==>595.0 Secs (Pattern 2)] [==>595.0 Secs (Pattern 3)] [==>595.0 Secs (Pattern 4)]	[1]
	2		(177) SCLASS8	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=14; SAMP-SEQ=SPAR S50		Pattern 1, Exps 1-2 i n SCLASS8-F814W- PAR-F140W (09) (1) Prime + Parallel Gro up 1-2 in Pattern 1, E xps 1-2 in SCLASS8 -F814W-PAR-F140 W (09)	652.938154 Secs (2611.753 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]



Proposal 15811 - SCLASS9-F814W-PAR-F140W (10) - Rest-frame UV/optical Morphologies of Obscured Radio Starbursts: Comparin...

Visit	Proposal 15811, SCLASS9-F814W-PAR-F140W (10), implementation Fri Sep 20 16:01:27 GMT 2019 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: ORIENT 108D TO 118 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=BOX Purpose=DITHER Number Of Points=4 Point Spacing=13 Line Spacing=120	Coordinate Frame=POS-TARG Pattern Orientation=45 Angle Between Sides=90 Center Pattern=false		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(178)	SCLASS9	RA: 10 23 31.1283 (155.8797013d) Dec: +68 18 8.51 (68.30236d) Equinox: J2000 <i>Comments:</i> Category=GALAXY Description=[RADIO GALAXY]		V=22	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(178) SCLASS9	ACS/WFC, ACCUM, WFC	F814W		GS ACQ SCENARI O BASE1B3	Pattern 1, Exps 1-2 i n SCLASS9-F814W- PAR-F140W (10) (1) Prime + Parallel Gro up 1-2 in Pattern 1, E xps 1-2 in SCLASS9 -F814W-PAR-F140 W (10)	440 Secs (2380 Secs) [==>595.0 Secs (Pattern 1)] [==>595.0 Secs (Pattern 2)] [==>595.0 Secs (Pattern 3)] [==>595.0 Secs (Pattern 4)]	[1]
2		(178) SCLASS9	WFC3/IR, MULTIACCUM, IR	F140W		NSAMP=14; SAMP-SEQ=SPAR S50	Pattern 1, Exps 1-2 i n SCLASS9-F814W- PAR-F140W (10) (1) Prime + Parallel Gro up 1-2 in Pattern 1, E xps 1-2 in SCLASS9 -F814W-PAR-F140 W (10)	652.938154 Secs (2611.753 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]	

