



12272 - Testing Feedback: Morphologies of Extreme Post-starburst Galaxies

Cycle: 18, Proposal Category: GO

(Availability Mode: SUPPORTED)

INVESTIGATORS

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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	(1) SDSSJ0106-1032	WFC3/UVIS	1	05-Aug-2010 21:03:05.0	yes
02	(2) SDSSJ0827+2954	WFC3/UVIS	1	05-Aug-2010 21:03:09.0	yes
03	(3) SDSSJ0901+0314	WFC3/UVIS	1	05-Aug-2010 21:03:12.0	yes
04	(4) SDSSJ0905+5759	WFC3/UVIS	1	05-Aug-2010 21:03:14.0	yes
05	(5) SDSSJ0908+1039	WFC3/UVIS	1	05-Aug-2010 21:03:17.0	yes
06	(6) SDSSJ1039+4537	WFC3/UVIS	1	05-Aug-2010 21:03:20.0	yes
07	(7) SDSSJ1107+0417	WFC3/UVIS	1	05-Aug-2010 21:03:22.0	yes
08	(8) SDSSJ1125-0145	WFC3/UVIS	1	05-Aug-2010 21:03:25.0	yes

<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>
09	(9) SDSSJ1219+0336	WFC3/UVIS	1	05-Aug-2010 21:03:28.0	yes
10	(10) SDSSJ1232+0723	WFC3/UVIS	1	05-Aug-2010 21:03:31.0	yes
11	(11) SDSSJ1229+3545	WFC3/UVIS	1	05-Aug-2010 21:03:33.0	yes
12	(12) SDSSJ1248+0601	WFC3/UVIS	1	05-Aug-2010 21:03:36.0	yes
13	(13) SDSSJ1341-0321	WFC3/UVIS	1	05-Aug-2010 21:03:38.0	yes
14	(14) SDSSJ1450+4621	WFC3/UVIS	1	05-Aug-2010 21:03:41.0	yes
15	(15) SDSSJ1635+4709	WFC3/UVIS	1	05-Aug-2010 21:03:43.0	yes
16	(16) SDSSJ2116-0634	WFC3/UVIS	1	05-Aug-2010 21:03:45.0	yes
17	(17) SDSSJ2256+1504	WFC3/UVIS	1	05-Aug-2010 21:03:48.0	yes

17 Total Orbits Used

ABSTRACT

Theoretical models of massive galaxy formation predict that feedback from AGN and/or supernovae plays a crucial role in quenching star formation during major galaxy mergers. Efficient quenching is required to match the observed properties of early-type galaxies, including the colors of local massive ellipticals and the spectral features of ultra-compact high-redshift spheroids. However, current observational evidence provides only indirect constraints on the quenching mechanism that causes galaxies to migrate from the blue cloud to the red sequence. In order to test feedback models of elliptical galaxy formation, we select a unique sample of extremely young, massive post-starburst galaxies at $0.4 < z < 0.8$ that have direct evidence of strong galactic-scale feedback: a high fraction of these recently quenched galaxies show spectacular gas outflows with extremely high velocities ($v=500\text{--}2000$ km/s). We propose to use HST/WFC3 imaging to measure the sizes and morphologies of these galaxies. With these data we will preform the first direct test of theoretical models that include strong feedback and answer two fundamental questions: 1) Are the extreme properties of these post-starbursts related to galaxy interactions? and 2) Are we witnessing the formation of the last few ultra-compact elliptical galaxies in the Universe?

OBSERVING DESCRIPTION

We are obtaining WFC3 F814W imaging of 17 post-starburst galaxies at $z=0.4\text{--}0.8$. Our primary scientific goals are to measure the sizes and surface-brightness profiles of the galaxies and to search for faint tidal features indicative of a recent galaxy merger. We require high-S/N imaging

Proposal 12272 (STScI Edit Number: 3, Created: Thursday, August 5, 2010 8:03:51 PM EST) - Overview

out to at least two effective radii in order to accurately measure galaxy light profiles. Our galaxies have total magnitudes in the range $18.3 < i < 19.3$, but are unresolved in ground-based SDSS imaging. Using the median half-light radius found for early-type galaxies at $z \sim 0.6$, we estimate that their surface brightness at $2 r_e$ will be 23.35 mag sq arcsec. We can achieve a $S/N \sim 4.5$ per 2×2 pixel resolution element in the F814W filter with an exposure time of 2400 seconds. This depth will enable us to measure features down to 24 mag sq arcsec with $S/N \sim 2.5$, which will be sufficient to detect tidal tails given the young postburst ages of the stellar populations (< 200 Myr). We will observe each target for 1 one orbit, split into four sub-exposures. Guide star acquisition will require 6 minutes. Filter changes, other camera setup, readout, and small angle maneuvers for dithering will take 5 minutes for each set of exposures. In total, 11 minutes are required for overhead, leaving ~ 40 minutes of integration time per orbit.

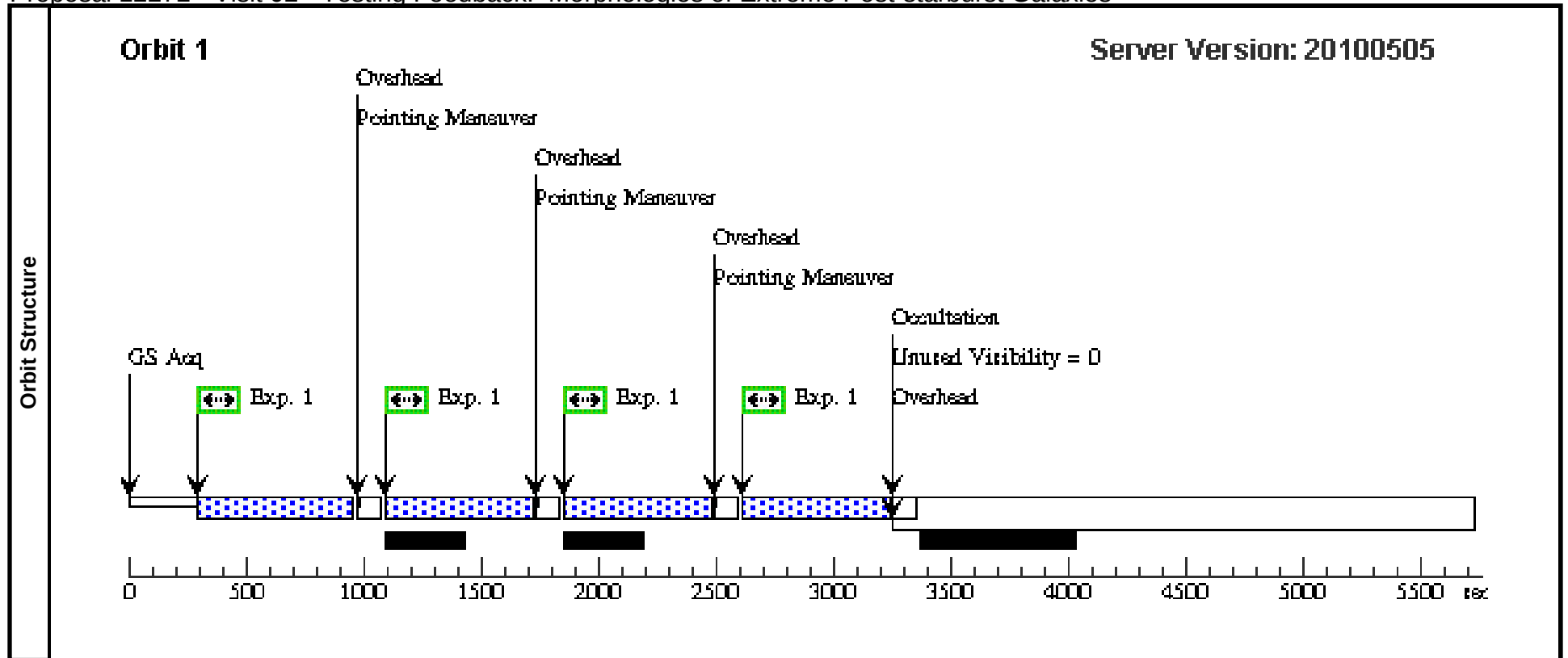
We will utilize a four-point, sub-pixel dither pattern to reject hot pixels and cosmic rays while improving spatial resolution and covering the chip gap. We chose the WFC3-UVIS-MOS-DITH-LINE pattern with 2 primary points (instead of the default 3) and two sub-pattern points. We have not used any CR-SPLITS.

We have used the UVIS aperture but applied a POSTARG movement of $Y = +10$ to shift targets further away from the chip gap. This was done to insure that extended tidal structures (up to 15 arcsec) did not fall in the gap which is only covered by 2 of 4 exposures. In one case we used a POSTARG of $Y = -30$ to shift the target onto the other chip so that there would be no chance of contamination by bleeding from saturated stars. There is no preferred orientation for our targets but in many cases we have restricted the orientation range to keep bleed trails from bright stars away from our objects, and to prevent ghosting. These stars are not a safety threat but were listed as moderately or extremely saturated in the BOT.

Visit	Proposal 12272, Visit 01, implementation					Fri Aug 06 01:03:52 GMT 2010				
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/UVIS									
	Special Requirements: (none)									
Patterns	#	Primary Pattern			Secondary Pattern			Exposures		
	(1)	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=MOSAIC Number Of Points=2 Point Spacing=2.4 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=85.754 Angle Between Sides= Center Pattern=false			Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.119 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=33.606 Angle Between Sides= Center Pattern=false			(1)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	SDSSJ0106-1032	RA: 01 06 24.2500 (16.6010417d) Dec: -10 23 29.93 (-10.39165d) Equinox: J2000	Redshift: 0.4546	V=18.97+/-0.05	Reference Frame: ICRS				
Comments: post-starburst										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(1) SDSSJ0106-1032	WFC3/UVIS, ACCUM, UVIS2	F814W	CR-SPLIT=NO	GS ACQ SCENARIO BASE1B3	Pattern 1, Exps 1-1 (1)	600 Secs [==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[1]
Orbit Structure	Orbit 1					Server Version: 20100505				

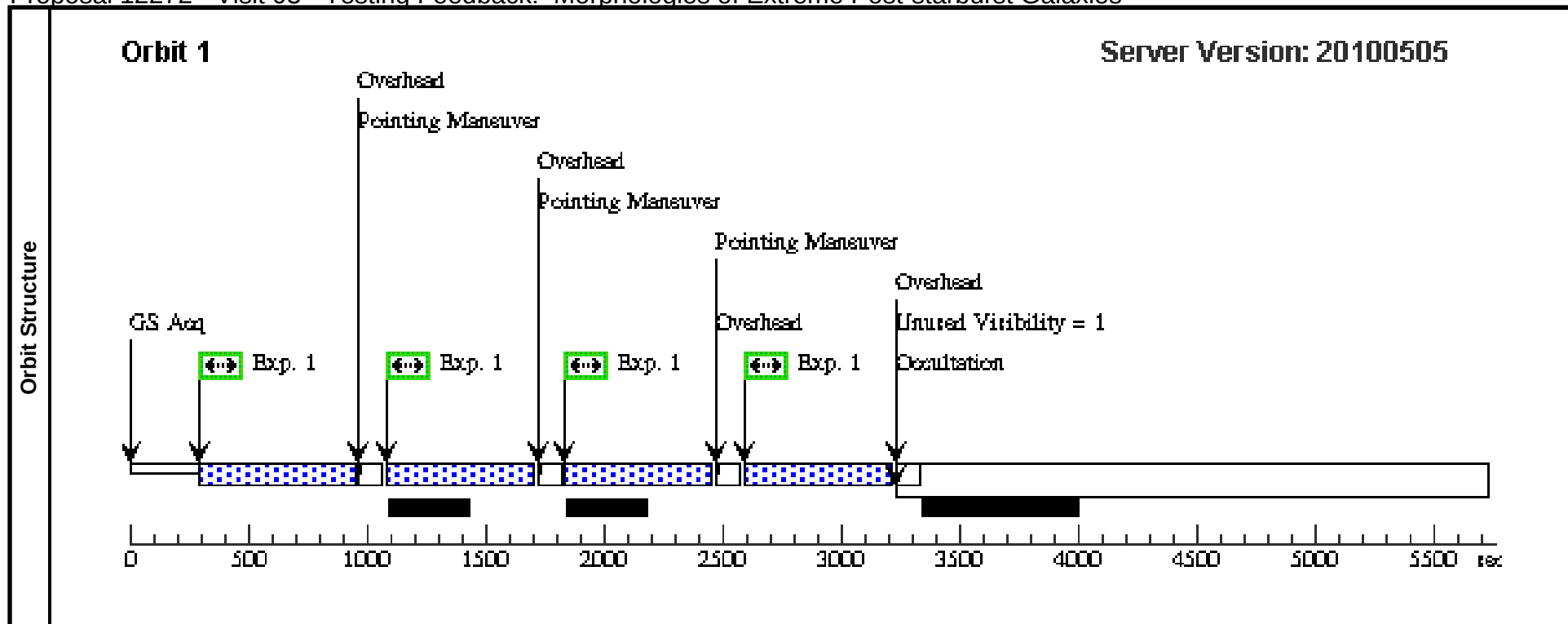
Proposal 12272 - Visit 01 - Testing Feedback: Morphologies of Extreme Post-starburst Galaxies

Visit	Proposal 12272, Visit 02, implementation										Fri Aug 06 01:03:53 GMT 2010	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/UVIS											
	Special Requirements: ORIENT 0.0D TO 110 D; ORIENT 170D TO 359.99 D											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures		
	(1)	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=MOSAIC Number Of Points=2 Point Spacing=2.4 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.754 Angle Between Sides= Center Pattern=false	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.119 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=33.606 Angle Between Sides= Center Pattern=false	(1)						
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(2)	SDSSJ0827+2954	RA: 08 27 33.8900 (126.8912083d) Dec: +29 54 51.32 (29.91426d) Equinox: J2000		Redshift: 0.681		V=21.03+/-0.05		Reference Frame: ICRS			
	Comments: post-starburst											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit		
	1		(2) SDSSJ0827+2954	WFC3/UVIS, ACCUM, UVIS	F814W	CR-SPLIT=NO	POS TARG null,10	Pattern 1, Exps 1-1 (1)	633 Secs [==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[1]		



Proposal 12272 - Visit 02 - Testing Feedback: Morphologies of Extreme Post-starburst Galaxies

Visit	Proposal 12272, Visit 03, implementation										Fri Aug 06 01:03:53 GMT 2010	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/UVIS											
	Special Requirements: ORIENT 0D TO 160 D; ORIENT 225D TO 359.999 D											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures		
	(1)	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=MOSAIC Number Of Points=2 Point Spacing=2.4 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.754 Angle Between Sides= Center Pattern=false	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.119 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=33.606 Angle Between Sides= Center Pattern=false	(1)						
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(3)	SDSSJ0901+0314	RA: 09 01 33.4300 (135.3892917d) Dec: +03 14 12.48 (3.23680d) Equinox: J2000		Redshift: 0.4586		V=19.26 +/-0.05		Reference Frame: ICRS			
	Comments: post-starburst											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit	
	1		(3) SDSSJ0901+0314	WFC3/UVIS, ACCUM, UVIS	F814W	CR-SPLIT=NO	POS TARG 0,10	Pattern 1, Exps 1-1 (	633 Secs			
			4					1)	[==>627.0 Secs (Pattern 1,1)]		[1]	
									[==>627.0 Secs (Pattern 1,2)]			
									[==>627.0 Secs (Pattern 2,1)]			
								[==>627.0 Secs (Pattern 2,2)]				



Proposal 12272 - Visit 04 - Testing Feedback: Morphologies of Extreme Post-starburst Galaxies

Visit	Proposal 12272, Visit 04, implementation Fri Aug 06 01:03:53 GMT 2010				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 0D TO 195 D; ORIENT 260.0D TO 359.999 D				
Patterns	#	Primary Pattern		Secondary Pattern	
	(1)	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=MOSAIC Number Of Points=2 Point Spacing=2.4 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.754 Angle Between Sides= Center Pattern=false	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.119 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=33.606 Angle Between Sides= Center Pattern=false
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(4)	SDSSJ0905+5759	RA: 09 05 23.6100 (136.3483750d) Dec: +57 59 12.46 (57.98679d) Equinox: J2000	Redshift: 0.7114	V=19.58 +/-0.05
Comments: post-starburst					
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1		(4) SDSSJ0905+5759	WFC3/UVIS, ACCUM, UVIS	F814W
CR-SPLIT=NO POS TARG null,10 Pattern 1, Exps 1-1 (1) 633 Secs [=>696.0 Secs (Pattern 1,1)] [=>696.0 Secs (Pattern 1,2)] [=>696.0 Secs (Pattern 2,1)] [=>696.0 Secs (Pattern 2,2)]					
Orbit					
Orbit 1 Server Version: 20100505 GS Acq Exp. 1 Overhead Pointing Maneuver Exp. 1 Overhead Pointing Maneuver Exp. 1 Overhead Pointing Maneuver Exp. 1 Overhead Unused Visibility = 2 Occultation 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 sec					

Proposal 12272 - Visit 04 - Testing Feedback: Morphologies of Extreme Post-starburst Galaxies

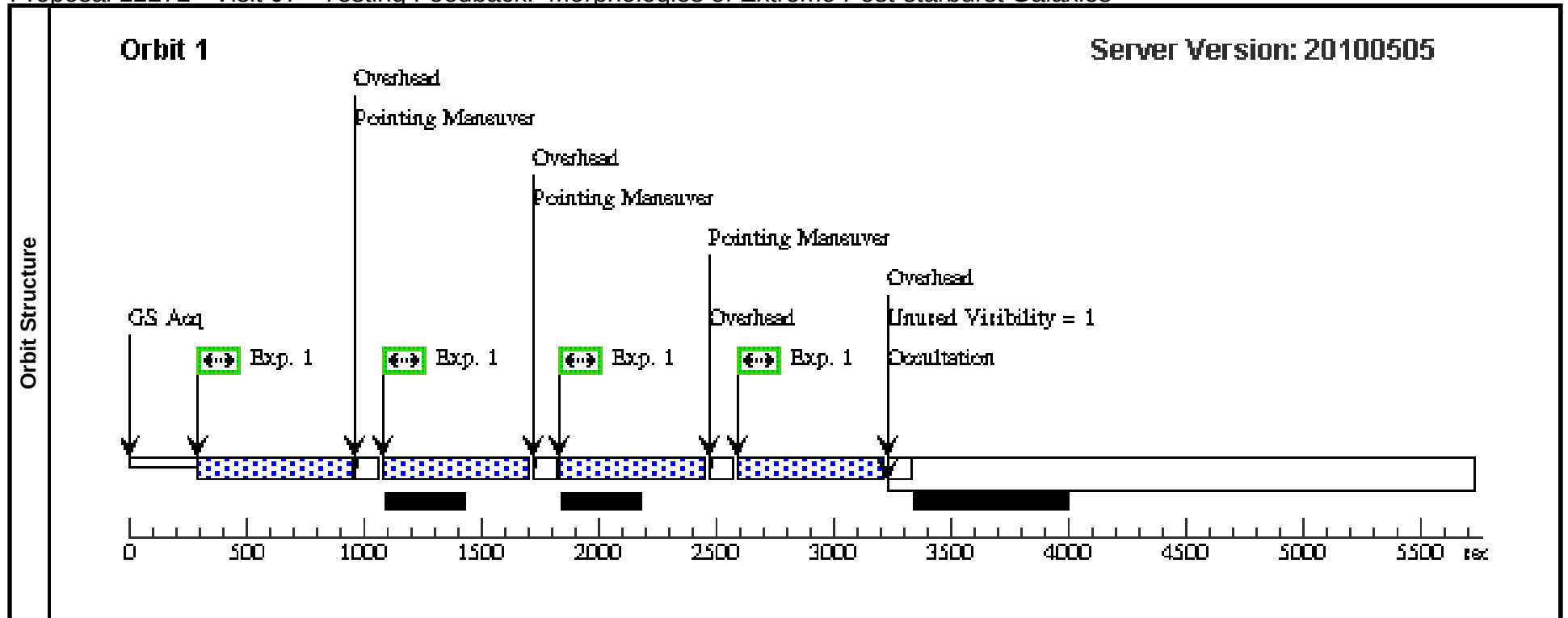
Visit	Proposal 12272, Visit 05, implementation Fri Aug 06 01:03:54 GMT 2010				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 45D TO 200 D; ORIENT 255D TO 345 D				
Patterns	#	Primary Pattern		Secondary Pattern	
	(1)	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=MOSAIC Number Of Points=2 Point Spacing=2.4 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.754 Angle Between Sides= Center Pattern=false	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.119 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=33.606 Angle Between Sides= Center Pattern=false
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(5)	SDSSJ0908+1039	RA: 09 08 42.7700 (137.1782083d) Dec: +10 39 0.78 (10.65022d) Equinox: J2000	Redshift: 0.5024	V=19.43 +/-0.05
Comments: post-starburst					
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1	(5) SDSSJ0908+1039	WFC3/UVIS, ACCUM, UVIS	F814W	CR-SPLIT=NO
Special Reqs. POS TARG null,10					
Groups Pattern 1, Exps 1-1 (1)					
Exp. Time/[Actual Dur.] 633 Secs					
[=>630.0 Secs (Pattern 1,1)]					
[=>630.0 Secs (Pattern 1,2)]					
[=>630.0 Secs (Pattern 2,1)]					
[=>630.0 Secs (Pattern 2,2)]					
Orbit [1]					
Orbit Structure	Orbit 1 Server Version: 20100505				

Proposal 12272 - Visit 06 - Testing Feedback: Morphologies of Extreme Post-starburst Galaxies

Visit	Proposal 12272, Visit 06, implementation					Fri Aug 06 01:03:55 GMT 2010					
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/UVIS										
	Special Requirements: ORIENT 35D TO 330.0 D										
Patterns	#	Primary Pattern			Secondary Pattern		Exposures				
	(1)	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=MOSAIC Number Of Points=2 Point Spacing=2.4 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.754 Angle Between Sides= Center Pattern=false	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.119 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=33.606 Angle Between Sides= Center Pattern=false	(1)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
	(6)	SDSSJ1039+4537	RA: 10 39 6.9700 (159.7790417d) Dec: +45 37 54.13 (45.63170d) Equinox: J2000	Redshift: 0.634	V=19.98+/-0.05	Reference Frame: ICRS					
Comments: post-starburst											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1		(6) SDSSJ1039+4537	WFC3/UVIS, ACCUM, UVIS	F814W	CR-SPLIT=NO	POS TARG null,10	Pattern 1, Exps 1-1 (1)	633 Secs [==>666.0 Secs (Pattern 1,1)] [==>666.0 Secs (Pattern 1,2)] [==>666.0 Secs (Pattern 2,1)] [==>666.0 Secs (Pattern 2,2)]	[1]	
Orbit Structure	Orbit 1										Server Version: 20100505
	GS Acq Overhead Overhead Overhead Unreduced Visibility = 2 Occultation Exp. 1 Exp. 1 Exp. 1 Exp. 1 Pointing Maneuver Pointing Maneuver Pointing Maneuver Pointing Maneuver										

Proposal 12272 - Visit 06 - Testing Feedback: Morphologies of Extreme Post-starburst Galaxies

Visit	Proposal 12272, Visit 07, implementation										Fri Aug 06 01:03:55 GMT 2010	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/UVIS											
	Special Requirements: ORIENT 0D TO 230 D; ORIENT 280D TO 359.99 D											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures		
	(1)	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=MOSAIC Number Of Points=2 Point Spacing=2.4 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=85.754 Angle Between Sides= Center Pattern=false		Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.119 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=33.606 Angle Between Sides= Center Pattern=false		(1)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(7)	SDSSJ1107+0417	RA: 11 07 2.8700 (166.7619583d) Dec: +04 17 2.75 (4.28410d) Equinox: J2000		Redshift: 0.4666		V=19.52+/-0.05		Reference Frame: ICRS			
	Comments: post-starburst											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit	
	1		(7) SDSSJ1107+0417	WFC3/UVIS, ACCUM, UVIS	F814W	CR-SPLIT=NO	POS TARG null,10	Pattern 1, Exps 1-1 (1)	633 Secs			
			7						[==>627.0 Secs (Pattern 1,1)]		[1]	
									[==>627.0 Secs (Pattern 1,2)]			
									[==>627.0 Secs (Pattern 2,1)]			
								[==>627.0 Secs (Pattern 2,2)]				



Proposal 12272 - Visit 07 - Testing Feedback: Morphologies of Extreme Post-starburst Galaxies

Visit	Proposal 12272, Visit 08, implementation Fri Aug 06 01:03:56 GMT 2010				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	
	(1)	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=MOSAIC Number Of Points=2 Point Spacing=2.4 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.754 Angle Between Sides= Center Pattern=false	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.119 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=33.606 Angle Between Sides= Center Pattern=false
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(8)	SDSSJ1125-0145	RA: 11 25 18.9000 (171.3287500d) Dec: -01 45 32.46 (-1.75902d) Equinox: J2000	Redshift: 0.519	V=19.36+/-0.05
Comments: post-starburst					
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1	(8) SDSSJ1125-0145	WFC3/UVIS, ACCUM, UVIS	F814W	CR-SPLIT=NO
Special Reqs. POS TARG null,10; GS ACQ SCENARI O SINGLE					Groups Pattern 1, Exps 1-1 (1) Exp. Time/[Actual Dur.] 633 Secs [==>627.0 Secs (Pattern 1,1)] [==>627.0 Secs (Pattern 1,2)] [==>627.0 Secs (Pattern 2,1)] [==>627.0 Secs (Pattern 2,2)]
					Orbit [1]
Orbit Structure	Orbit 1 Server Version: 20100505				

Proposal 12272 - Visit 08 - Testing Feedback: Morphologies of Extreme Post-starburst Galaxies

Visit	Proposal 12272, Visit 09, implementation Fri Aug 06 01:03:56 GMT 2010				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	
	(1)	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Coordinate Frame=POS-TARG Pattern Orientation=85.754 Purpose=MOSAIC Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=2.4 Line Spacing=		Pattern Type=WFC3-UVIS-MOS-DITH-LINE Coordinate Frame=POS-TARG Pattern Orientation=33.606 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.119 Line Spacing=	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(9)	SDSSJ1219+0336	RA: 12 19 55.7800 (184.9824167d) Dec: +03 36 15.90 (3.60442d) Equinox: J2000	Redshift: 0.451	V=19.50+/-0.05
Comments: post-starburst					
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1	(9) SDSSJ1219+0336 6	WFC3/UVIS, ACCUM, UVIS	F814W	CR-SPLIT=NO
Special Reqs. POS TARG null,10; GS ACQ SCENARI O BASE1B3					Groups Pattern 1, Exps 1-1 (1) Exp. Time/[Actual Dur.] 633 Secs [==>627.0 Secs (Pattern 1,1)] [==>627.0 Secs (Pattern 1,2)] [==>627.0 Secs (Pattern 2,1)] [==>627.0 Secs (Pattern 2,2)]
Orbit					[1]
Orbit Structure	Orbit 1 Server Version: 20100505				

Proposal 12272 - Visit 09 - Testing Feedback: Morphologies of Extreme Post-starburst Galaxies

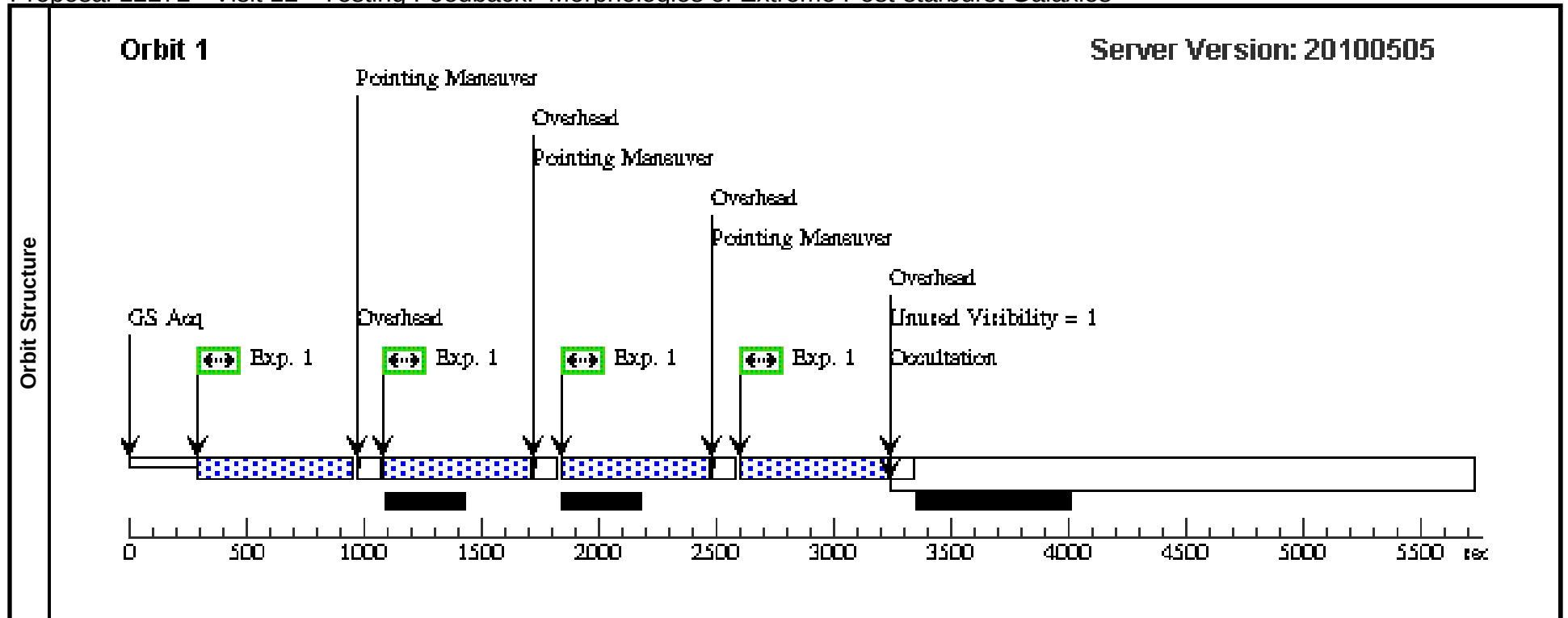
Visit	Proposal 12272, Visit 10, implementation Fri Aug 06 01:03:56 GMT 2010				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 0.0D TO 230.0 D; ORIENT 300.0D TO 359.9 D				
Patterns	#	Primary Pattern		Secondary Pattern	
	(1)	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Coordinate Frame=POS-TARG Pattern Orientation=85.754 Purpose=MOSAIC Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=2.4 Line Spacing=		Pattern Type=WFC3-UVIS-MOS-DITH-LINE Coordinate Frame=POS-TARG Pattern Orientation=33.606 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.119 Line Spacing=	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(10)	SDSSJ1232+0723	RA: 12 32 15.8300 (188.0659583d) Dec: +07 23 20.75 (7.38910d) Equinox: J2000	Redshift: 0.4003	V=19.38+/-0.05
Comments: post-starburst					
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1	(10) SDSSJ1232+0723	SDSSJ1232+0723	WFC3/UVIS, ACCUM, UVIS	F814W
Opt. Params. CR-SPLIT=NO Special Reqs. POS TARG null,10; GS ACQ SCENARI O SINGLE Groups Pattern 1, Exps 1-1 (1) Exp. Time/[Actual Dur.] 633 Secs [==>629.0 Secs (Pattern 1,1)] [==>629.0 Secs (Pattern 1,2)] [==>629.0 Secs (Pattern 2,1)] [==>629.0 Secs (Pattern 2,2)]					
Orbit [1]					
Orbit Structure	Orbit 1 Server Version: 20100505				
	GS Acq Exp. 1 Pointing Maneuver Overhead Exp. 1 Pointing Maneuver Overhead Exp. 1 Pointing Maneuver Overhead Exp. 1 Pointing Maneuver Overhead Occultation Unused Visibility = 93 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 sec				

Proposal 12272 - Visit 11 - Testing Feedback: Morphologies of Extreme Post-starburst Galaxies

Visit	Proposal 12272, Visit 11, implementation					Fri Aug 06 01:03:57 GMT 2010				
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/UVIS									
	Special Requirements: ORIENT 30D TO 330 D									
Patterns	#	Primary Pattern			Secondary Pattern		Exposures			
	(1)	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=MOSAIC Number Of Points=2 Point Spacing=2.4 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.754 Angle Between Sides= Center Pattern=false	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.119 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=33.606 Angle Between Sides= Center Pattern=false	(1)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(11)	SDSSJ1229+3545	RA: 12 29 49.8300 (187.4576250d) Dec: +35 45 17.12 (35.75476d) Equinox: J2000	Redshift: 0.614	V=20.02+/-0.05	Reference Frame: ICRS				
Comments: post-starburst										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(11) SDSSJ1229+3545	WFC3/UVIS, ACCUM, UVIS	F814W	CR-SPLIT=NO	POS TARG null,10; GS ACQ SCENARI O BASE1B3	Pattern 1, Exps 1-1 (1)	633 Secs [=>644.0 Secs (Pattern 1,1)] [=>644.0 Secs (Pattern 1,2)] [=>644.0 Secs (Pattern 2,1)] [=>644.0 Secs (Pattern 2,2)]	[1]
Orbit Structure	Orbit 1									
	Server Version: 20100505									

Proposal 12272 - Visit 11 - Testing Feedback: Morphologies of Extreme Post-starburst Galaxies

Visit	Proposal 12272, Visit 12, implementation										Fri Aug 06 01:03:57 GMT 2010	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/UVIS											
	Special Requirements: ORIENT 0D TO 60 D; ORIENT 135D TO 359.99 D											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures		
	(1)	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=MOSAIC Number Of Points=2 Point Spacing=2.4 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.754 Angle Between Sides= Center Pattern=false	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.119 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=33.606 Angle Between Sides= Center Pattern=false	(1)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous						
	(12)	SDSSJ1248+0601	RA: 12 48 7.1600 (192.0298333d) Dec: +06 01 11.84 (6.01996d) Equinox: J2000	Redshift: 0.632	V=20.32+/-0.05	Reference Frame: ICRS						
	Comments: post-starburst											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit		
	1		(12) SDSSJ1248+0601	WFC3/UVIS, ACCUM, UVIS	F814W	CR-SPLIT=NO	POS TARG null,10	Pattern 1, Exps 1-1 (1)	633 Secs [==>629.0 Secs (Pattern 1,1)] [==>629.0 Secs (Pattern 1,2)] [==>629.0 Secs (Pattern 2,1)] [==>629.0 Secs (Pattern 2,2)]	[1]		



Proposal 12272 - Visit 12 - Testing Feedback: Morphologies of Extreme Post-starburst Galaxies

Visit	Proposal 12272, Visit 13, implementation Fri Aug 06 01:03:57 GMT 2010				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 0D TO 26 D; ORIENT 85D TO 170 D; ORIENT 230D TO 359.99 D				
Patterns	#	Primary Pattern		Secondary Pattern	
	(1)	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Coordinate Frame=POS-TARG Pattern Orientation=85.754 Purpose=MOSAIC Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=2.4 Line Spacing=		Pattern Type=WFC3-UVIS-MOS-DITH-LINE Coordinate Frame=POS-TARG Pattern Orientation=33.606 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.119 Line Spacing=	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(13)	SDSSJ1341-0321	RA: 13 41 36.8000 (205.403333d) Dec: -03 21 25.29 (-3.35703d) Equinox: J2000	Redshift: 0.6579	V=18.96+/-0.05
Miscellaneous: Reference Frame: ICRS Comments: post-starburst					
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1		(13) SDSSJ1341-0321	WFC3/UVIS, ACCUM, UVIS	F814W
Opt. Params.: CR-SPLIT=NO Special Reqs.: POS TARG null,10 Groups: Pattern 1, Exps 1-1 (1) Exp. Time/[Actual Dur.]: 633 Secs Orbit: [1]					
Orbit Structure	Orbit 1 Server Version: 20100505				

Proposal 12272 - Visit 14 - Testing Feedback: Morphologies of Extreme Post-starburst Galaxies

Visit	Proposal 12272, Visit 14, implementation Fri Aug 06 01:03:58 GMT 2010				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 65D TO 360 D				
Patterns	#	Primary Pattern		Secondary Pattern	
	(1)	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=MOSAIC Number Of Points=2 Point Spacing=2.4 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.754 Angle Between Sides= Center Pattern=false	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.119 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=33.606 Angle Between Sides= Center Pattern=false
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(14)	SDSSJ1450+4621	RA: 14 50 28.8600 (222.6202500d) Dec: +46 21 37.68 (46.36047d) Equinox: J2000	Redshift: 0.782	V=20.10+/-0.05
Comments: post-starburst					
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1	(14) SDSSJ1450+4621	WFC3/UVIS, ACCUM, UVIS	F814W	CR-SPLIT=NO
Special Reqs. POS TARG null,10					
Groups Pattern 1, Exps 1-1 (1)					
Exp. Time/[Actual Dur.] 633 Secs					
[=>666.0 Secs (Pattern 1,1)]					
[=>666.0 Secs (Pattern 1,2)]					
[=>666.0 Secs (Pattern 2,1)]					
[=>666.0 Secs (Pattern 2,2)]					
Orbit Structure	Orbit 1 Server Version: 20100505				
	Unured Visibility = 2				

Proposal 12272 - Visit 15 - Testing Feedback: Morphologies of Extreme Post-starburst Galaxies

Visit	Proposal 12272, Visit 15, implementation Fri Aug 06 01:03:58 GMT 2010				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 0D TO 120 D; ORIENT 160D TO 260 D; ORIENT 310D TO 359.99 D				
Patterns	#	Primary Pattern		Secondary Pattern	
	(1)	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=MOSAIC Number Of Points=2 Point Spacing=2.4 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.754 Angle Between Sides= Center Pattern=false	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.119 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=33.606 Angle Between Sides= Center Pattern=false
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(15)	SDSSJ1635+4709	RA: 16 35 41.7200 (248.9238333d) Dec: +47 09 24.48 (47.15680d) Equinox: J2000	Redshift: 0.699	V=20.29 +/-0.05
Miscellaneous: Reference Frame: ICRS					
Comments: post-starburst					
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1	(15) SDSSJ1635+4709	WFC3/UVIS, ACCUM, UVIS	F814W	CR-SPLIT=NO
Special Reqs. POS TARG null,10					
Groups Pattern 1, Exps 1-1 (1)					
Exp. Time/[Actual Dur.] 633 Secs					
[=>666.0 Secs (Pattern 1,1)]					
[=>666.0 Secs (Pattern 1,2)]					
[=>666.0 Secs (Pattern 2,1)]					
[=>666.0 Secs (Pattern 2,2)]					
Orbit [1]					
Orbit Structure	Orbit 1 Server Version: 20100505				
	GS Acq Exp. 1 Overhead Pointing Maneuver Overhead Unured Viribility = 2 Occultation 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 sec				

Proposal 12272 - Visit 15 - Testing Feedback: Morphologies of Extreme Post-starburst Galaxies

Visit	Proposal 12272, Visit 16, implementation Fri Aug 06 01:03:58 GMT 2010				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 98D TO 160 D				
Patterns	#	Primary Pattern		Secondary Pattern	
	(1)	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=MOSAIC Number Of Points=2 Point Spacing=2.4 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.754 Angle Between Sides= Center Pattern=false	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.119 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=33.606 Angle Between Sides= Center Pattern=false
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(16)	SDSSJ2116-0634	RA: 21 16 25.1500 (319.1047917d) Dec: -06 34 44.82 (-6.57912d) Equinox: J2000	Redshift: 0.728	V=20.00+/-0.05
Exposures	Comments: post-starburst				
	#	Label	Target	Config,Mode,Aperture	Spectral Els.
Exposures	1	(16) SDSSJ2116-0634	WFC3/UVIS, ACCUM, UVIS	F814W	CR-SPLIT=NO
	4				POS TARG null,-30
Exposures	Groups: Pattern 1, Exps 1-1 (1)				
	Exp. Time/[Actual Dur.] 633 Secs [==>629.0 Secs (Pattern 1,1)] [==>629.0 Secs (Pattern 1,2)] [==>629.0 Secs (Pattern 2,1)] [==>629.0 Secs (Pattern 2,2)]				
Orbit Structure	Orbit 1				
	Server Version: 20100505				
Orbit Structure					
	0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 sec				

Proposal 12272 - Visit 16 - Testing Feedback: Morphologies of Extreme Post-starburst Galaxies

Visit	Proposal 12272, Visit 17, implementation Fri Aug 06 01:03:58 GMT 2010				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 30D TO 125 D; ORIENT 200D TO 345 D				
Patterns	#	Primary Pattern		Secondary Pattern	
	(1)	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=MOSAIC Number Of Points=2 Point Spacing=2.4 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.754 Angle Between Sides= Center Pattern=false	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.119 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=33.606 Angle Between Sides= Center Pattern=false
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(17)	SDSSJ2256+1504	RA: 22 56 23.7600 (344.0990000d) Dec: +15 04 24.76 (15.07354d) Equinox: J2000	Redshift: 0.727	V=20.10 +/-0.05
Exposures	Comments: post-starburst				
	#	Label	Target	Config,Mode,Aperture	Spectral Els.
Exposures	1	(17) SDSSJ2256+1504	WFC3/UVIS, ACCUM, UVIS	F814W	CR-SPLIT=NO
Exposures	Special Reqs. POS TARG null,10				
	Groups Pattern 1, Exps 1-1 (1)				
Exposures	Exp. Time/[Actual Dur.] 633 Secs				
	[==>631.0 Secs (Pattern 1,1)] [==>631.0 Secs (Pattern 1,2)] [==>631.0 Secs (Pattern 2,1)] [==>631.0 Secs (Pattern 2,2)]				
Orbit	Orbit 1				
	Server Version: 20100505				
Orbit Structure					
	Unused Visibility = 0				