



11003 - Mixing It Up : Gas, Stars, Starbirth, and AGN in a Supercluster at $z = 0.9$

Cycle: 15, 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) SC1604+4318-POS1	ACS/WFC	2	11-Jan-2007 21:00:54.0	yes
02	(2) SC1604+4318-POS2	ACS/WFC	2	11-Jan-2007 21:01:02.0	yes
03	(3) SC1604+4318-POS3	ACS/WFC	2	11-Jan-2007 21:01:08.0	yes
04	(4) SC1604+4318-POS4	ACS/WFC	2	11-Jan-2007 21:01:15.0	yes
05	(5) SC1604+4318-POS5	ACS/WFC	2	11-Jan-2007 21:01:21.0	yes
06	(6) SC1604+4318-POS6	ACS/WFC	2	11-Jan-2007 21:01:27.0	yes
07	(7) SC1604+4318-POS7	ACS/WFC	2	11-Jan-2007 21:01:35.0	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>
08	(8) SC1604+4318-POS8	ACS/WFC	2	11-Jan-2007 21:01:40.0	yes
09	(9) SC1604+4318-POS9	ACS/WFC	2	11-Jan-2007 21:01:46.0	yes
10	(10) SC1604+4318-POS10	ACS/WFC	2	11-Jan-2007 21:01:51.0	yes
11	(11) SC1604+4318-POS11	ACS/WFC	2	11-Jan-2007 21:01:57.0	yes
12	(12) SC1604+4318-POS12	ACS/WFC	2	11-Jan-2007 21:02:02.0	yes
13	(13) SC1604+4318-POS13	ACS/WFC	2	11-Jan-2007 21:02:07.0	yes
14	(14) SC1604+4318-POS14	ACS/WFC	2	11-Jan-2007 21:02:12.0	yes
15	(15) SC1604+4318-POS15	ACS/WFC	2	11-Jan-2007 21:02:18.0	yes
16	(16) SC1604+4318-POS8-NEW	ACS/WFC	2	11-Jan-2007 21:02:25.0	yes

32 Total Orbits Used

ABSTRACT

We propose a joint Spitzer/HST program to map the best-studied large scale structure at high redshift -- a massive twelve-cluster supercluster at $z = 0.9$ which extends 15 Mpc x 100 Mpc. Because clusters are actively forming at this redshift, and significant evolution has already been observed in their galaxy populations, this survey will provide the crucial link between large scale structure and galaxy-scale physics. The supercluster is already the subject of a multi-faceted program including (1) deep r'i'z'K imaging from the Palomar 5-m to measure optical/near-IR colors, (2) spectroscopy with DEIMOS on the Keck 10-m to measure stellar content, [OII] equivalent widths, and internal velocities for over 330 supercluster members, (3) high-angular-resolution Chandra and VLA observations to study the starburst and AGN populations, and (4) an 80 ksec XMM observation to quantify the cluster gas properties and the amount of diffuse emission from the low-density filaments. The proposed 3.6-24 micron mapping is an essential complement to this program because it provides more accurate measures of stellar mass, star formation rate, and nuclear/starburst activity across the entire structure. The ACS observations will provide equal detail on galaxy structural properties and morphology. Together, the deep mid-infrared observations and the high-angular-resolution HST imagery (along with our coordinated ground and space-based data) will allow us to measure the stellar mass function, stellar population ages, and star formation rates over the full range of environmental densities; use galaxy

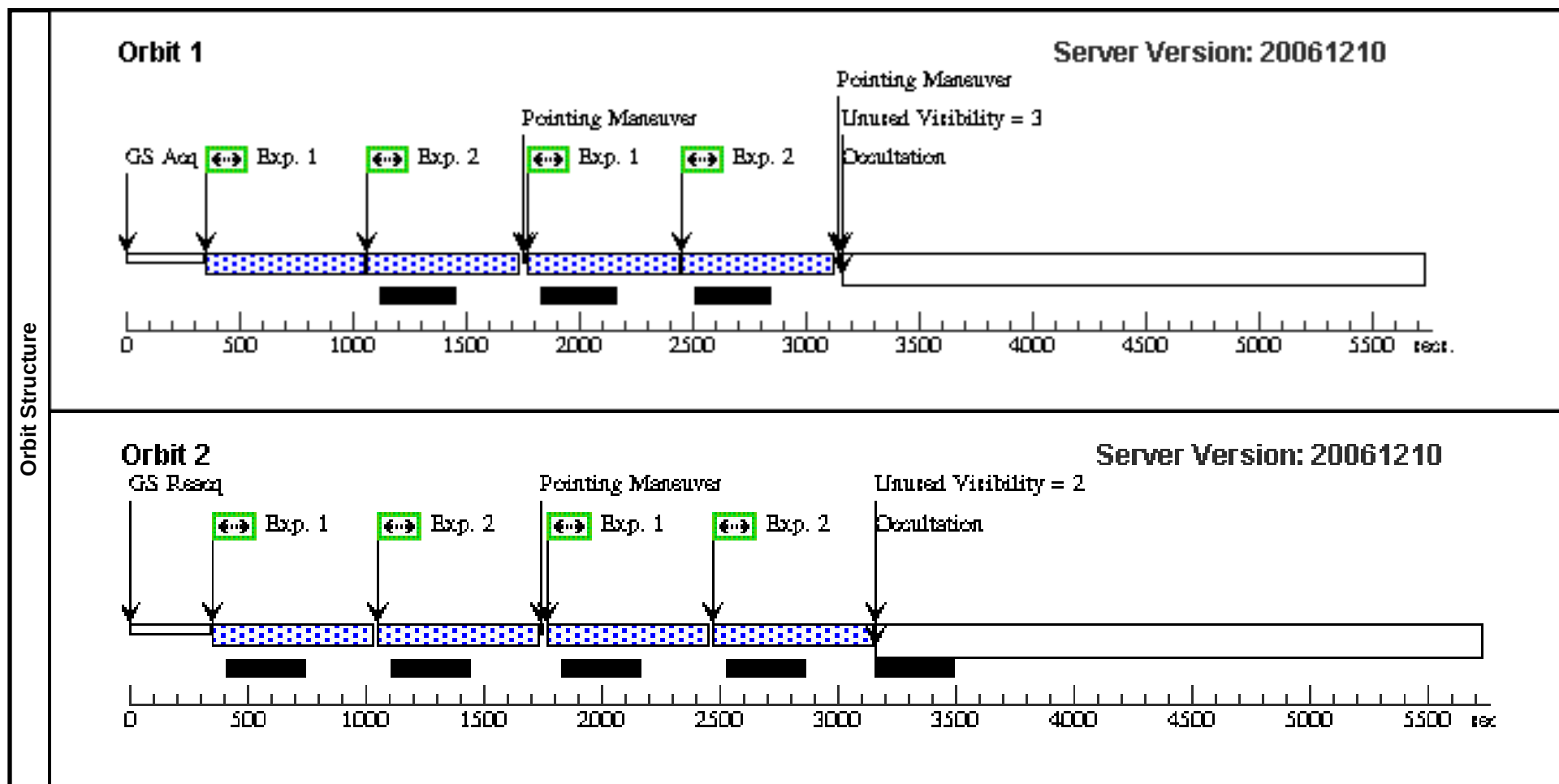
morphology to determine what type of galaxies host AGN and which physical processes are responsible for gas-fueling events; quantify the IR/radio/X-ray correlations at $z = 0.9$; and determine the effect of large scale structure on the stellar and gas content of galaxies in the high-redshift Universe.

OBSERVING DESCRIPTION

We will perform a 15-pointing irregular mosaic of a large scale structure at $z = 0.9$. Each pointing will consists of two orbits, one in F606W and one in F814W. A four-point ACS-WFC-DITHER-LINE pattern will be used in each visit in order to cover the chip gap.

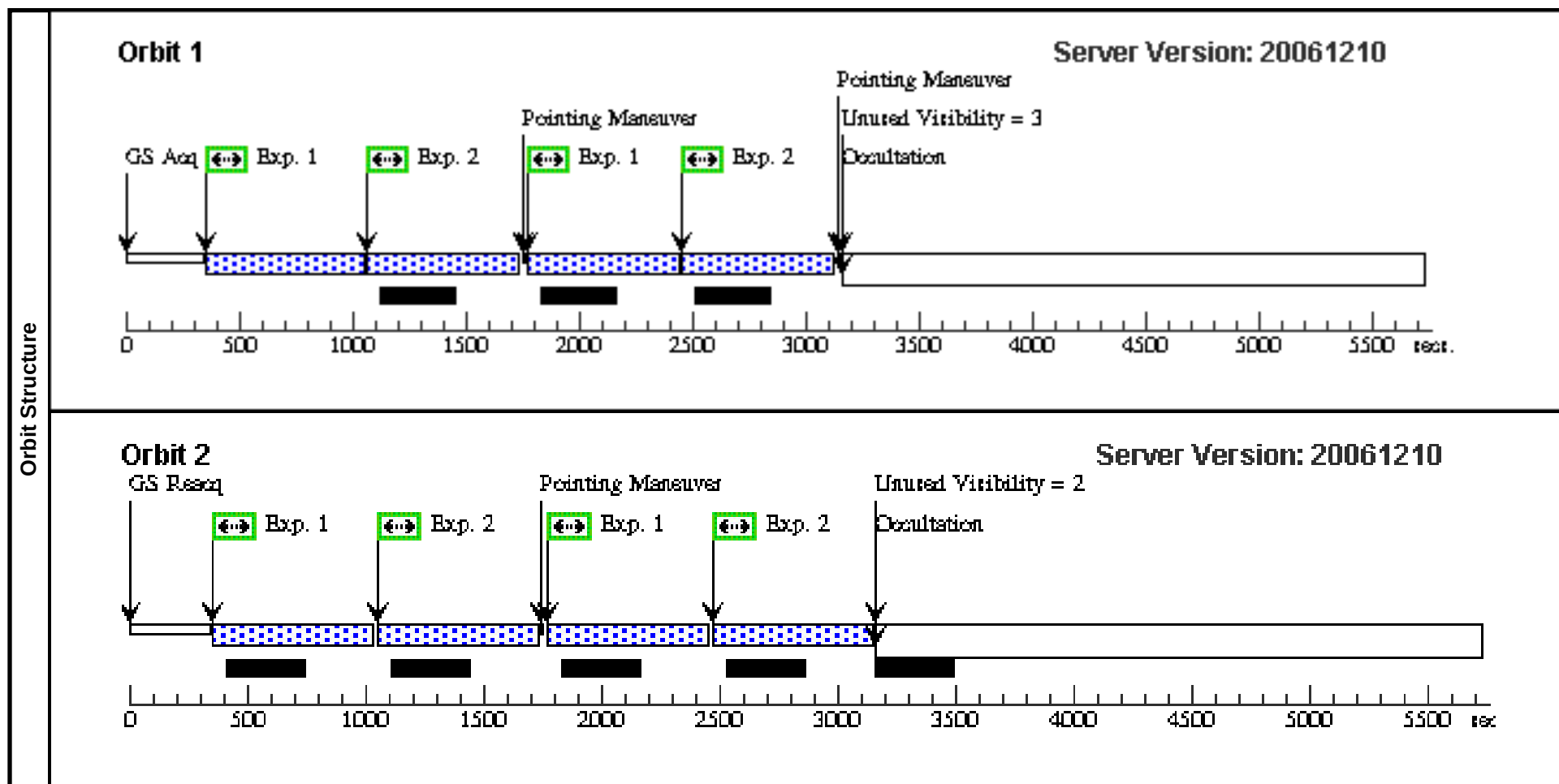
Proposal 11003 - Visit 01 - Mixing It Up : Gas, Stars, Starbirth, and AGN in a Supercluster at z = 0.9

Visit	Proposal 11003, Visit 01, completed										Fri Jan 12 02:02:28 GMT 2007		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: ACS/WFC												
	Special Requirements: ORIENT 355.0D TO 5.0 D												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=4 Point Spacing=3.011 Line Spacing=			Coordinate Frame=POS-TARG Pattern Orientation=85.3 Angle Between Sides= Center Pattern=false							(1-2)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections			Fluxes		Miscellaneous		
	(1)	SC1604+4318-POS1		RA: 16 04 24.4115 (241.1017146d) Dec: +43 08 8.18 (43.13561d) Equinox: J2000					V=24.0+/-1.0		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit	
	1		(1) SC1604+4318-POS1	ACS/WFC, ACCUM, WFCENTER	F606W	CR-SPLIT=NO		Pattern 1-2 (1)	400.0 Secs				
									[==>493.0 Secs (Pattern 1)]				
									[==>493.0 Secs (Pattern 2)]		[1]		
									[==>506.0 Secs (Pattern 3)]				
	[==>506.0 Secs (Pattern 4)]		[2]										
	2		(1) SC1604+4318-POS1	ACS/WFC, ACCUM, WFCENTER	F814W	CR-SPLIT=NO		Pattern 1-2 (1)	400.0 Secs				
									[==>493.0 Secs (Pattern 1)]				
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[==>506.0 Secs (Pattern 4)]		[2]											



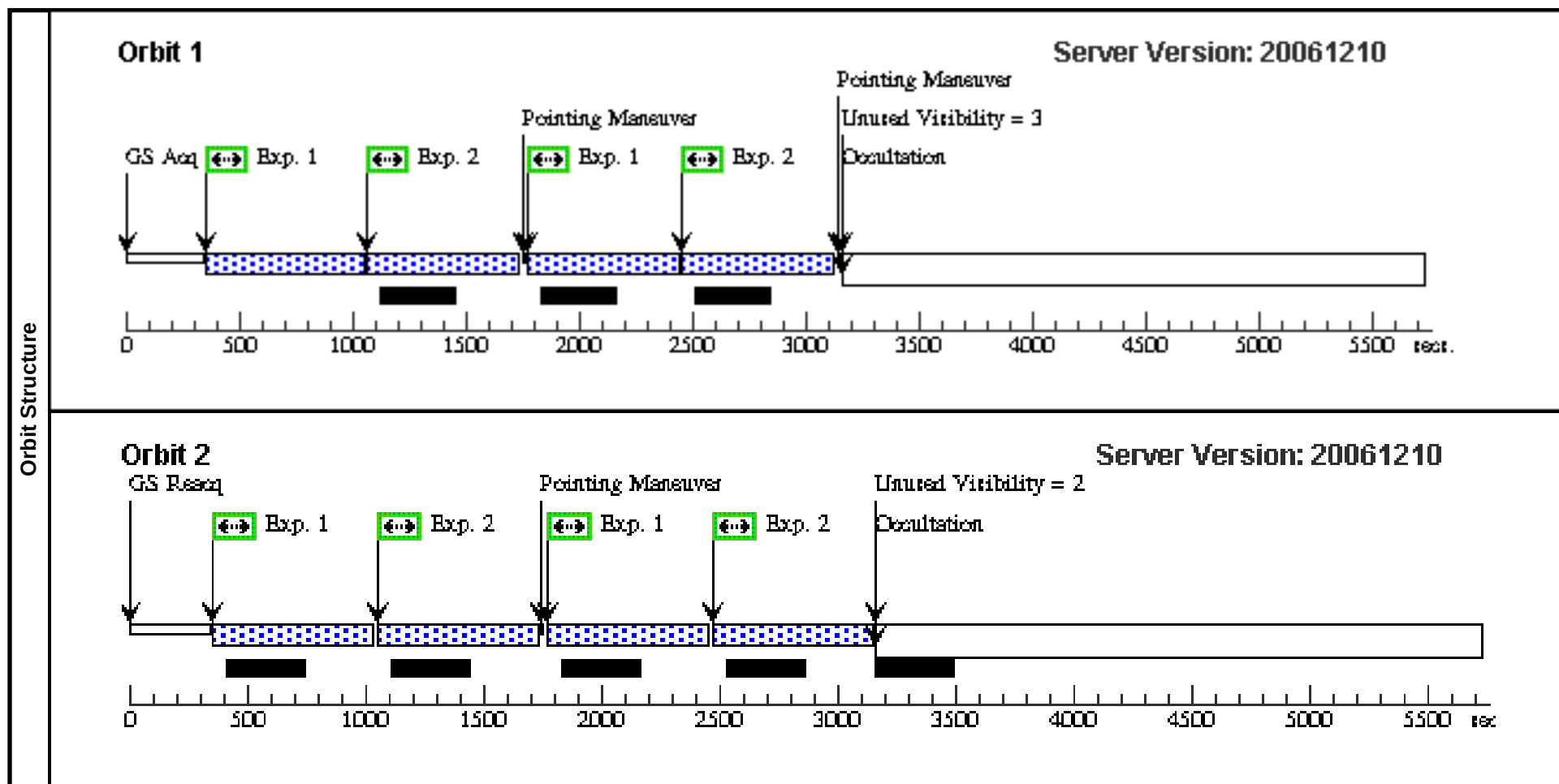
Proposal 11003 - Visit 02 - Mixing It Up : Gas, Stars, Starbirth, and AGN in a Supercluster at z = 0.9

Visit	Proposal 11003, Visit 02, completed										Fri Jan 12 02:02:30 GMT 2007		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: ACS/WFC												
	Special Requirements: ORIENT 355.0D TO 5.0 D												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
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Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections			Fluxes		Miscellaneous			
	(2)	SC1604+4318-POS2	RA: 16 04 23.8011 (241.0991712d) Dec: +43 11 23.31 (43.18981d) Equinox: J2000					V=24.0+/-1.0		Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit		
	1		(2) SC1604+4318-P OS2	ACS/WFC, ACCUM, WFCENTER	F606W	CR-SPLIT=NO		Pattern 1-2 (1)	400.0 Secs				
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	2		(2) SC1604+4318-P OS2	ACS/WFC, ACCUM, WFCENTER	F814W	CR-SPLIT=NO		Pattern 1-2 (1)	400.0 Secs				
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								[==>506.0 Secs (Pattern 3)]					
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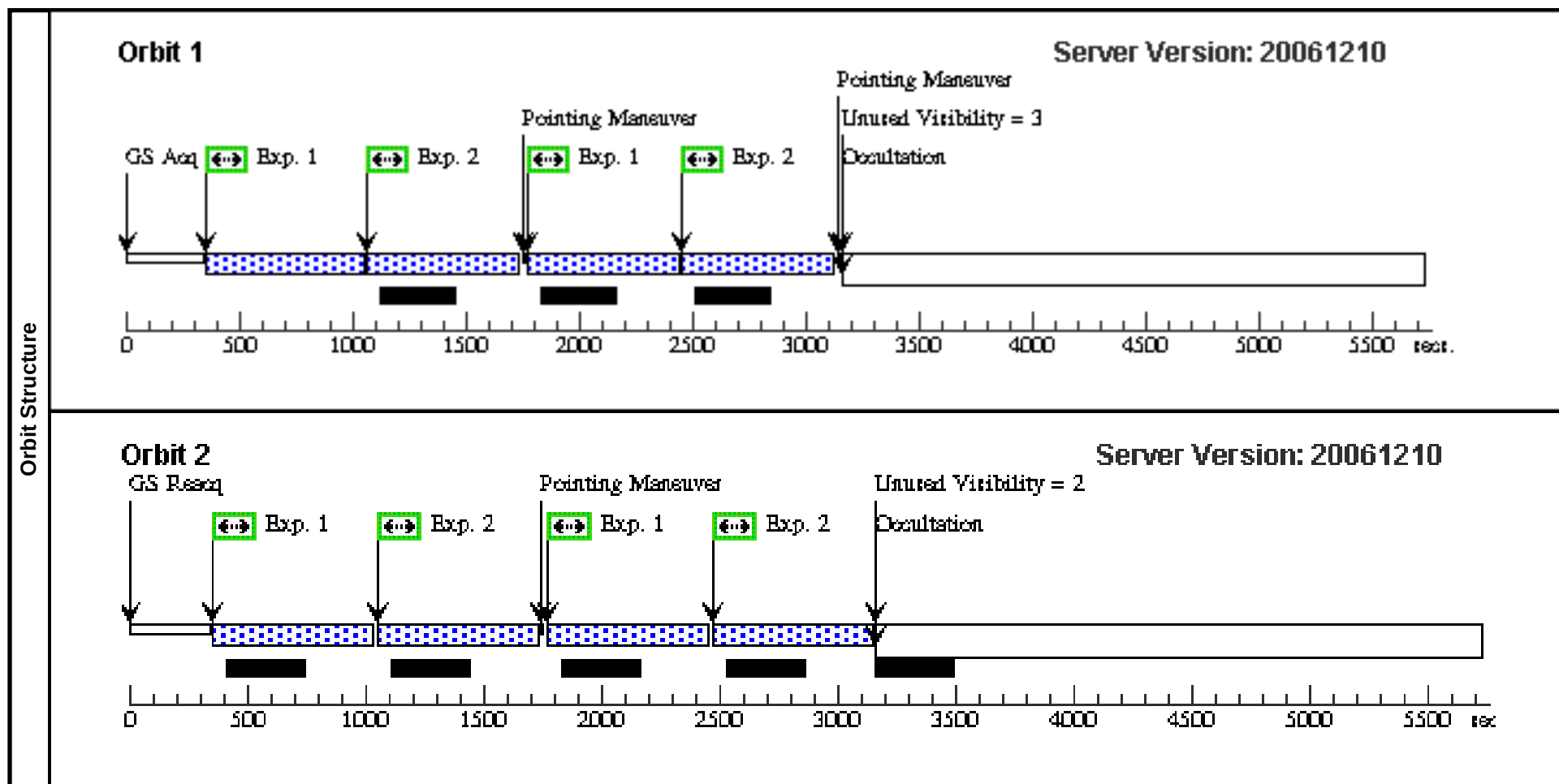
Proposal 11003 - Visit 03 - Mixing It Up : Gas, Stars, Starbirth, and AGN in a Supercluster at z = 0.9

Visit	Proposal 11003, Visit 03, completed Fri Jan 12 02:02:30 GMT 2007									
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: ORIENT 355.0D TO 5.0 D									
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Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(3)	SC1604+4318-POS3	RA: 16 04 30.4152 (241.1267300d) Dec: +43 14 44.86 (43.24579d) Equinox: J2000				V=24.0+/-1.0		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
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	2		(3) SC1604+4318-P OS3	ACS/WFC, ACCUM, WFCENTER	F814W	CR-SPLIT=NO		Pattern 1-2 (1)	400.0 Secs	
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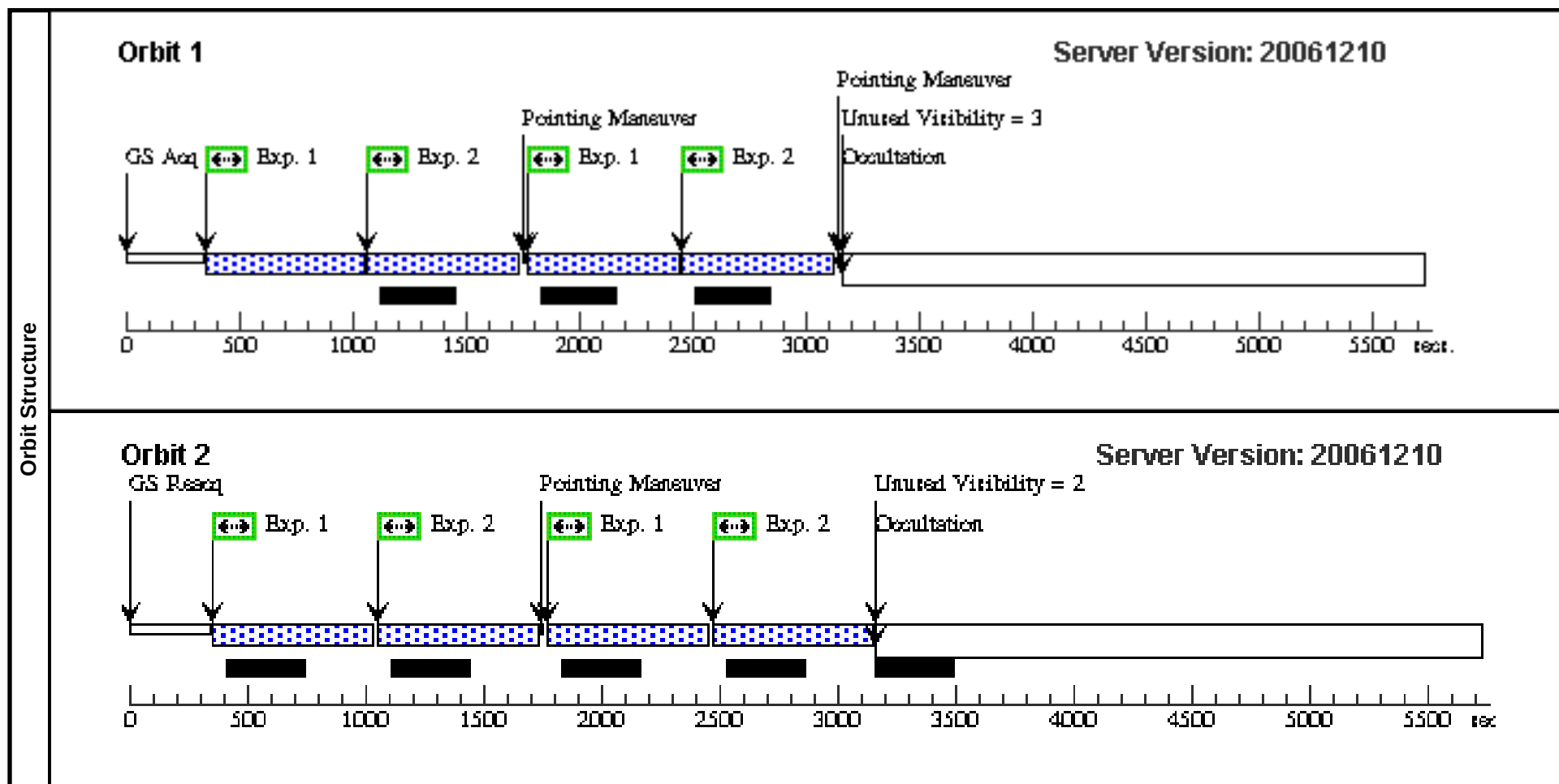
Proposal 11003 - Visit 04 - Mixing It Up : Gas, Stars, Starbirth, and AGN in a Supercluster at z = 0.9

Visit	Proposal 11003, Visit 04, completed Fri Jan 12 02:02:31 GMT 2007									
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Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(4)	SC1604+4318-POS4	RA: 16 04 12.9619 (241.0540079d) Dec: +43 14 47.16 (43.24643d) Equinox: J2000				V=24.0+/-1.0		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(4) SC1604+4318-P OS4	ACS/WFC, ACCUM, WFCENTER	F606W	CR-SPLIT=NO		Pattern 1-2 (1)	400.0 Secs	
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	2		(4) SC1604+4318-P OS4	ACS/WFC, ACCUM, WFCENTER	F814W	CR-SPLIT=NO		Pattern 1-2 (1)	400.0 Secs	
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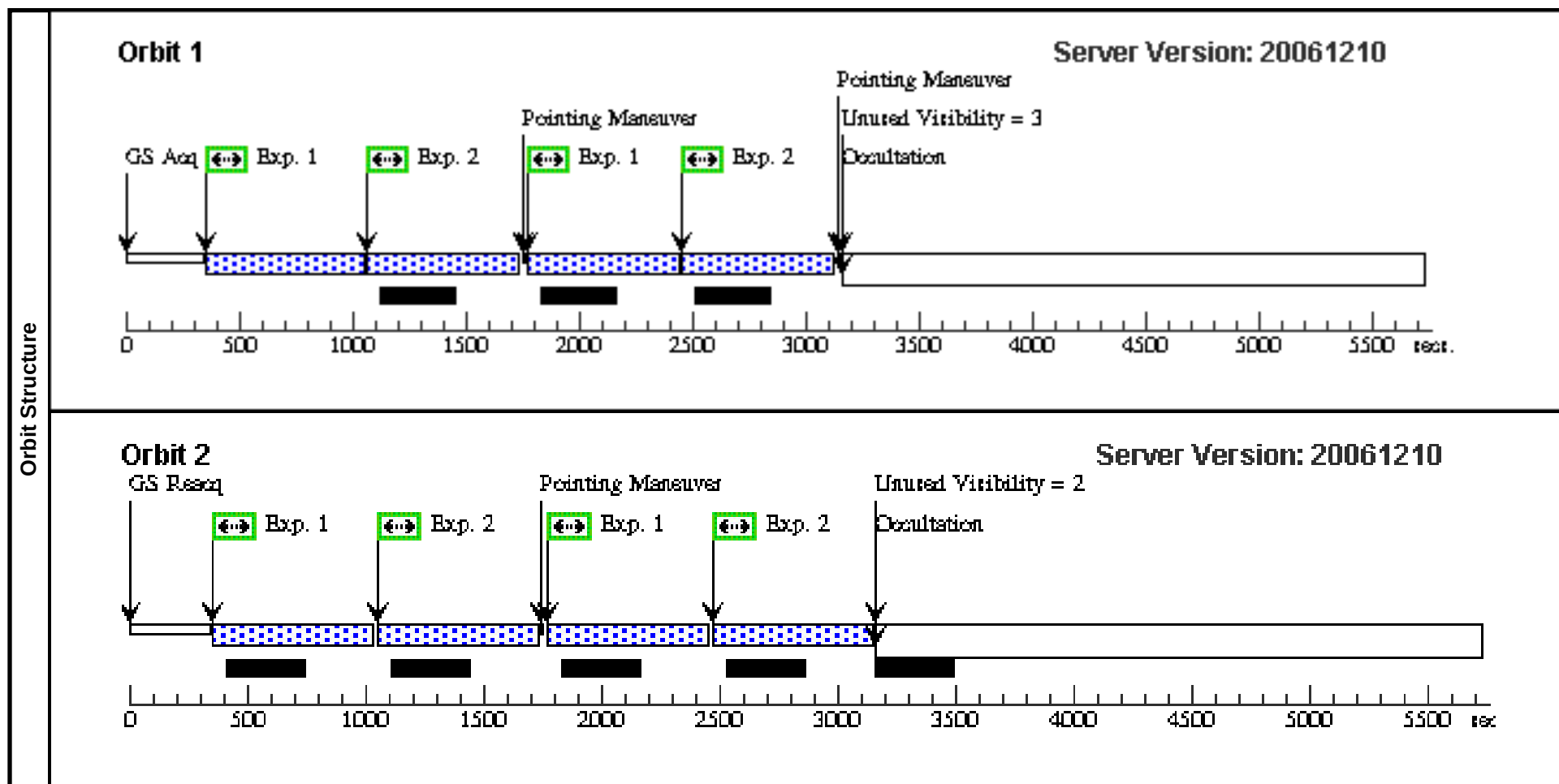
Proposal 11003 - Visit 05 - Mixing It Up : Gas, Stars, Starbirth, and AGN in a Supercluster at z = 0.9

Visit	Proposal 11003, Visit 05, completed Fri Jan 12 02:02:32 GMT 2007									
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: ORIENT 355.0D TO 5.0 D									
Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
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Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(5)	SC1604+4318-POS5	RA: 16 04 28.1489 (241.1172871d) Dec: +43 18 1.11 (43.30031d) Equinox: J2000				V=24.0+/-1.0		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(5) SC1604+4318-POS5	ACS/WFC, ACCUM, WFCENTER	F606W	CR-SPLIT=NO		Pattern 1-2 (1)	400.0 Secs	
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	2		(5) SC1604+4318-POS5	ACS/WFC, ACCUM, WFCENTER	F814W	CR-SPLIT=NO		Pattern 1-2 (1)	400.0 Secs	
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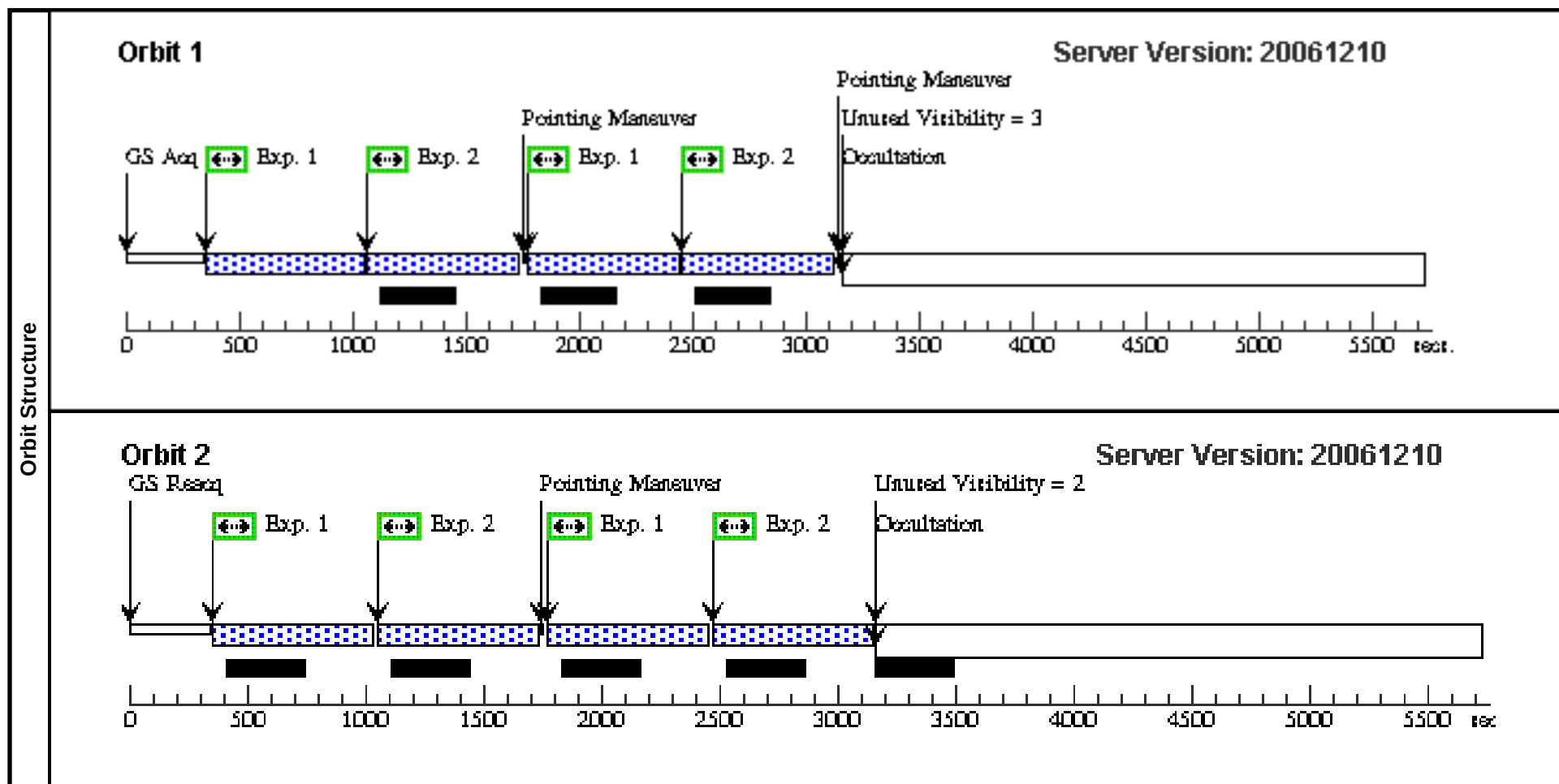
Proposal 11003 - Visit 06 - Mixing It Up : Gas, Stars, Starbirth, and AGN in a Supercluster at z = 0.9

Visit	Proposal 11003, Visit 06, completed										Fri Jan 12 02:02:32 GMT 2007		
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	Scientific Instruments: ACS/WFC												
	Special Requirements: ORIENT 355.0D TO 5.0 D												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
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Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(6)	SC1604+4318-POS6		RA: 16 04 10.5784 (241.0440767d) Dec: +43 18 0.40 (43.30011d) Equinox: J2000				V=24.0+/-1.0		Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit	
	1		(6) SC1604+4318-P OS6	ACS/WFC, ACCUM, WFCENTER		F606W	CR-SPLIT=NO		Pattern 1-2 (1)	400.0 Secs			
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	2		(6) SC1604+4318-P OS6	ACS/WFC, ACCUM, WFCENTER		F814W	CR-SPLIT=NO		Pattern 1-2 (1)	400.0 Secs			
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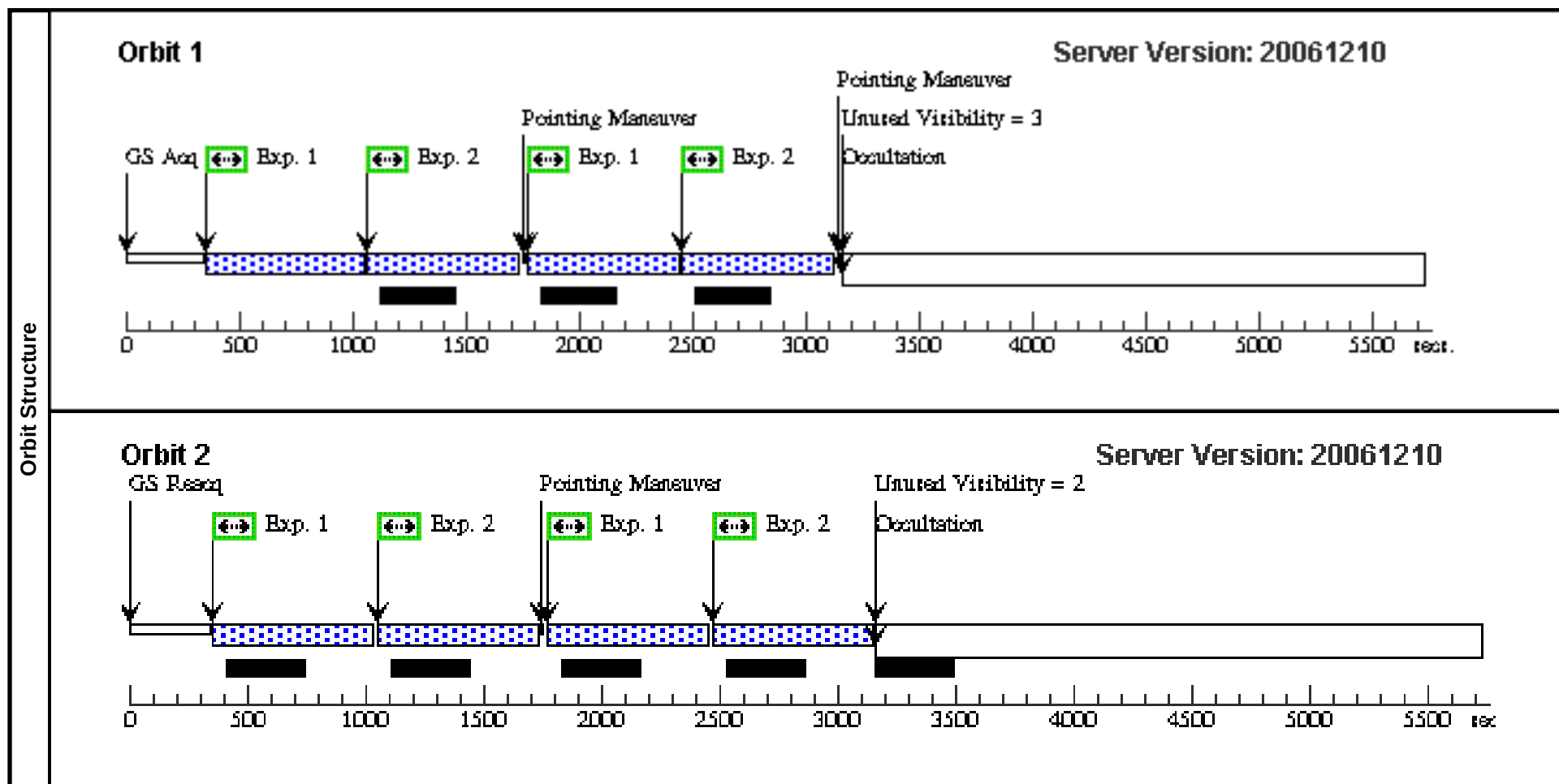
Proposal 11003 - Visit 07 - Mixing It Up : Gas, Stars, Starbirth, and AGN in a Supercluster at z = 0.9

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	Scientific Instruments: ACS/WFC												
	Special Requirements: ORIENT 355.0D TO 5.0 D												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
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Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(7)	SC1604+4318-POS7		RA: 16 04 49.4488 (241.2060367d) Dec: +43 21 7.61 (43.35211d) Equinox: J2000				V=24.0+/-1.0		Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit	
	1		(7) SC1604+4318-P OS7	ACS/WFC, ACCUM, WFCENTER		F606W	CR-SPLIT=NO		Pattern 1-2 (1)	400.0 Secs			
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	2		(7) SC1604+4318-P OS7	ACS/WFC, ACCUM, WFCENTER		F814W	CR-SPLIT=NO		Pattern 1-2 (1)	400.0 Secs			
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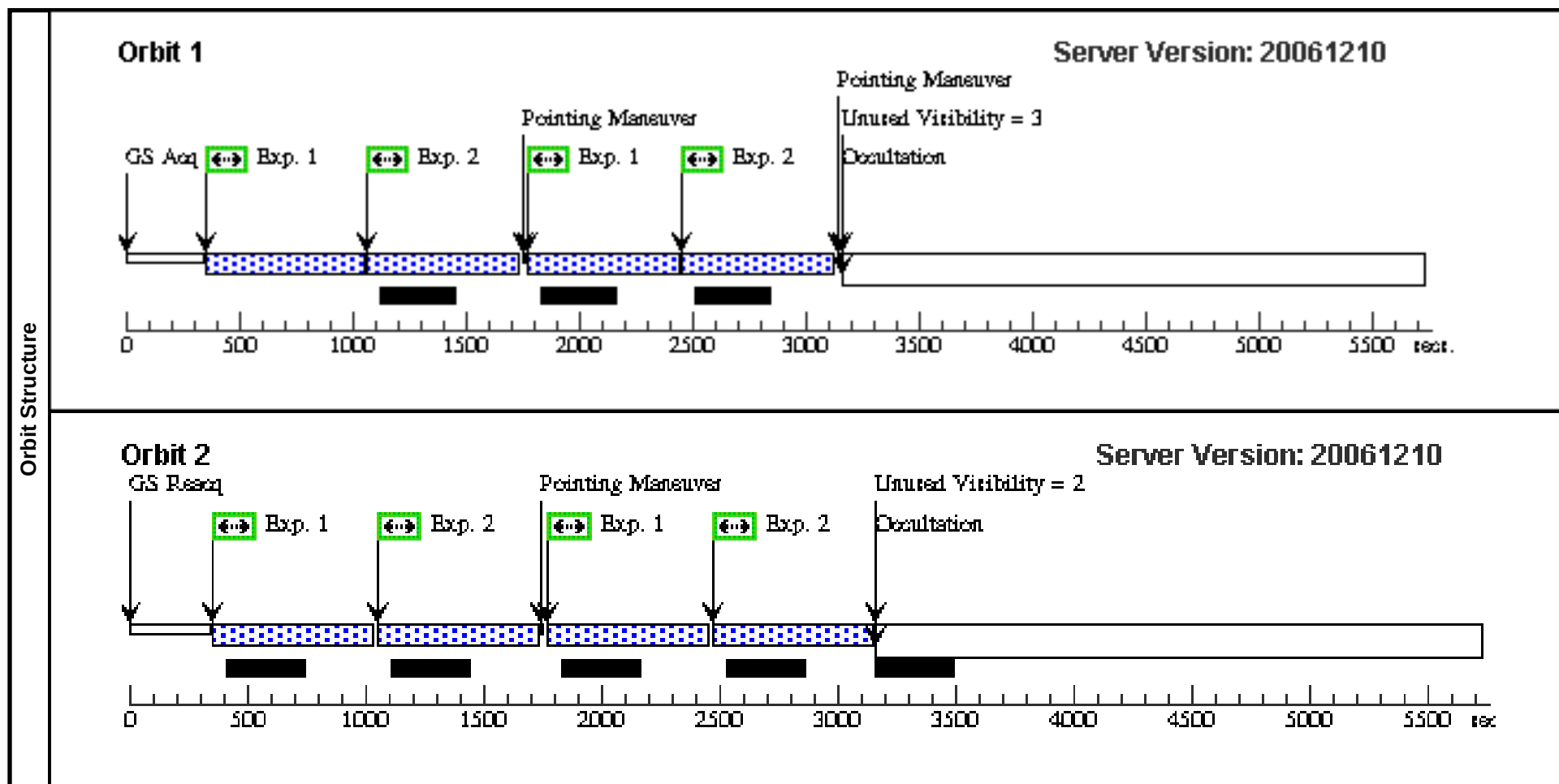
Proposal 11003 - Visit 08 - Mixing It Up : Gas, Stars, Starbirth, and AGN in a Supercluster at z = 0.9

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Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(8)	SC1604+4318-POS8	RA: 16 04 16.3939 (241.0683079d) Dec: +43 22 4.09 (43.36780d) Equinox: J2000				V=24.0+/-1.0		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(8) SC1604+4318-P OS8	ACS/WFC, ACCUM, WFCENTER	F606W	CR-SPLIT=NO		Pattern 1-2 (1)	400.0 Secs	
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	2		(8) SC1604+4318-P OS8	ACS/WFC, ACCUM, WFCENTER	F814W	CR-SPLIT=NO		Pattern 1-2 (1)	400.0 Secs	
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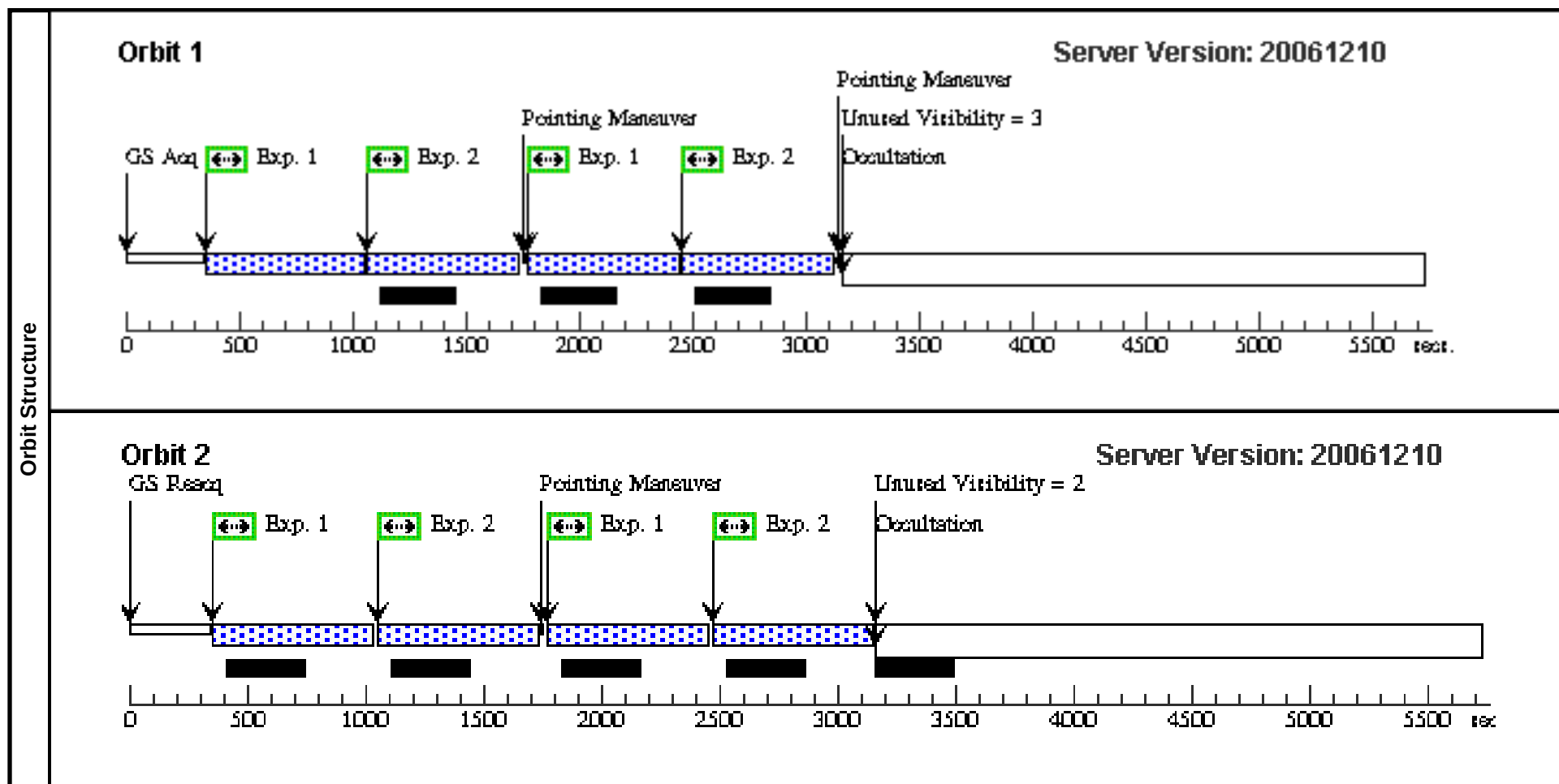
Proposal 11003 - Visit 09 - Mixing It Up : Gas, Stars, Starbirth, and AGN in a Supercluster at z = 0.9

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	Scientific Instruments: ACS/WFC												
	Special Requirements: ORIENT 355.0D TO 5.0 D												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
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Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(9)	SC1604+4318-POS9		RA: 16 03 59.1047 (240.9962696d) Dec: +43 22 11.22 (43.36978d) Equinox: J2000				V=24.0+/-1.0		Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit	
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										[==>506.0 Secs (Pattern 3)]			
										[==>506.0 Secs (Pattern 4)]		[2]	
	2		(9) SC1604+4318-P OS9	ACS/WFC, ACCUM, WFCENTER		F814W	CR-SPLIT=NO		Pattern 1-2 (1)	400.0 Secs			
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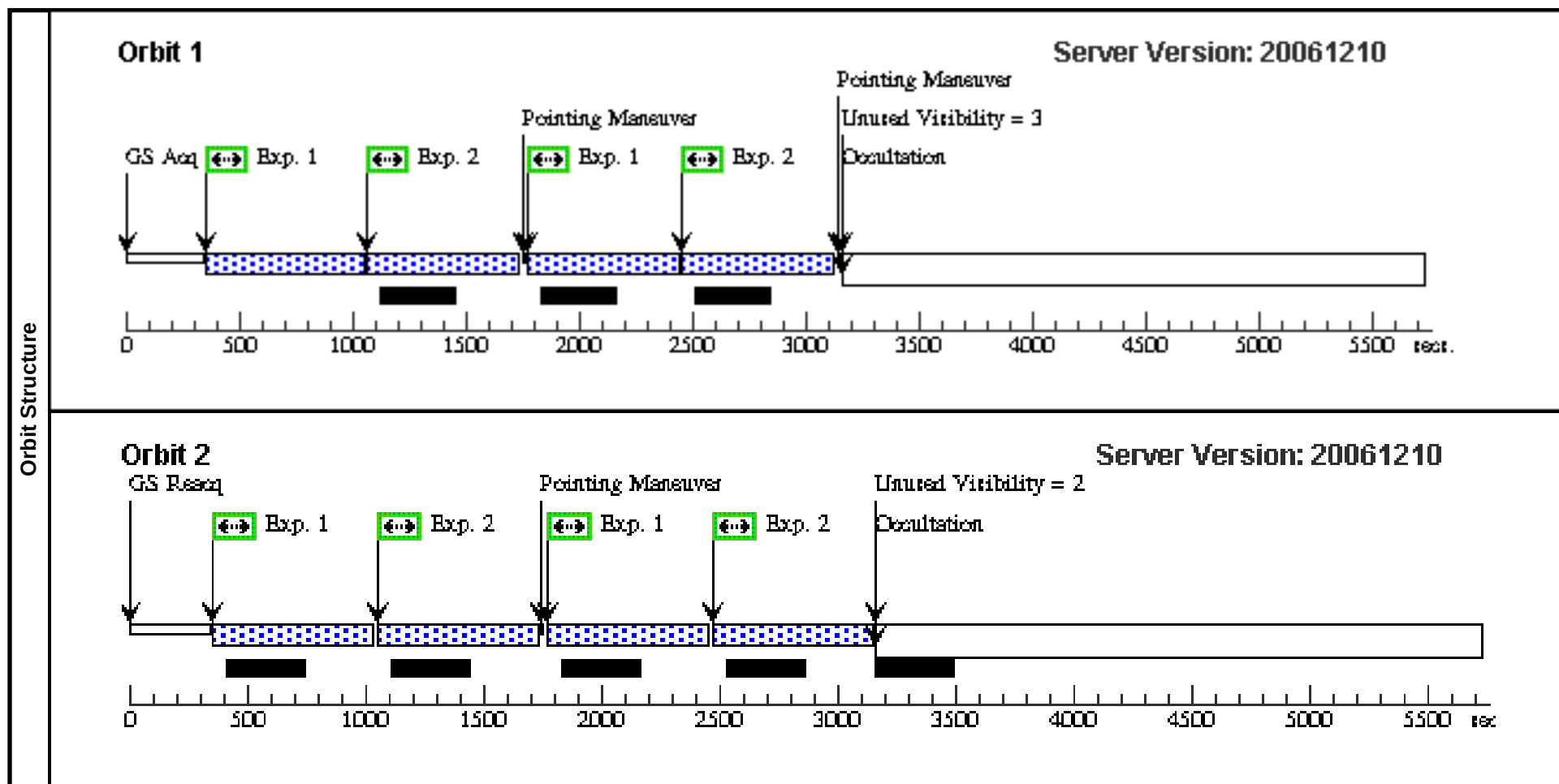
Proposal 11003 - Visit 10 - Mixing It Up : Gas, Stars, Starbirth, and AGN in a Supercluster at z = 0.9

Visit	Proposal 11003, Visit 10, completed Fri Jan 12 02:02:34 GMT 2007									
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: ORIENT 355.0D TO 5.0 D									
Patterns	#	Primary Pattern			Secondary Pattern				Exposures	
	(1)	Pattern Type=ACS-WFC-DITHER- LINE Purpose=DITHER Number Of Points=4 Point Spacing=3.011 Line Spacing=			Coordinate Frame=POS-TARG Pattern Orientation=85.3 Angle Between Sides= Center Pattern=false				(1-2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(10)	SC1604+4318-POS10	RA: 16 03 41.6055 (240.9233562d) Dec: +43 22 42.43 (43.37845d) Equinox: J2000				V=24.0+/-1.0		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(10) SC1604+4318-P OS10	ACS/WFC, ACCUM, WFCENTER	F606W	CR-SPLIT=NO		Pattern 1-2 (1)	400.0 Secs	
									[==>493.0 Secs (Pattern 1)]	
									[==>493.0 Secs (Pattern 2)]	[1]
									[==>506.0 Secs (Pattern 3)]	
									[==>506.0 Secs (Pattern 4)]	[2]
	2		(10) SC1604+4318-P OS10	ACS/WFC, ACCUM, WFCENTER	F814W	CR-SPLIT=NO		Pattern 1-2 (1)	400.0 Secs	
									[==>493.0 Secs (Pattern 1)]	
									[==>493.0 Secs (Pattern 2)]	[1]
									[==>506.0 Secs (Pattern 3)]	
									[==>506.0 Secs (Pattern 4)]	[2]



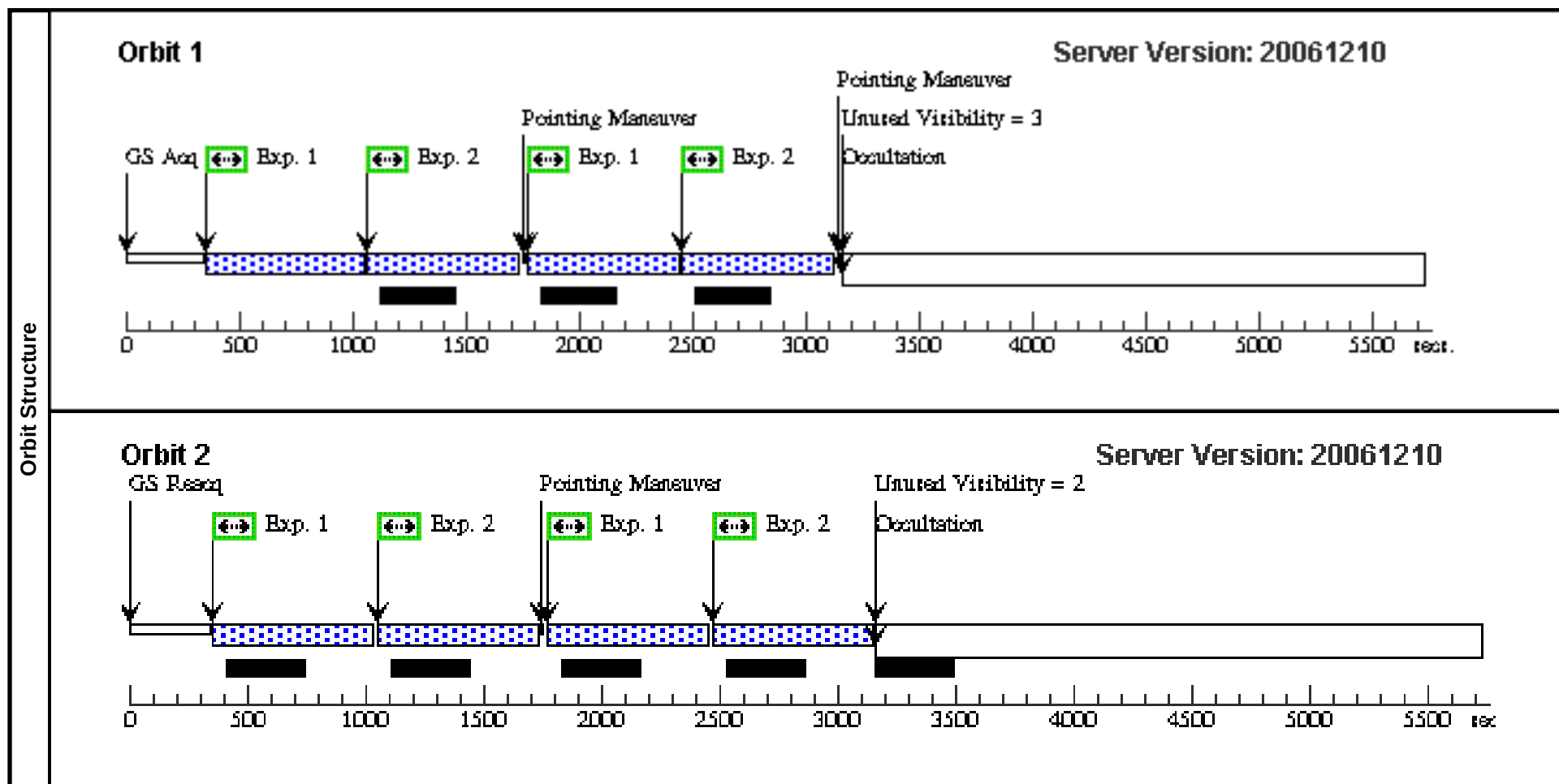
Proposal 11003 - Visit 11 - Mixing It Up : Gas, Stars, Starbirth, and AGN in a Supercluster at z = 0.9

Visit	Proposal 11003, Visit 11, completed Fri Jan 12 02:02:35 GMT 2007									
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: ORIENT 341.0D TO 351.0 D									
Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
	(1)	Pattern Type=ACS-WFC-DITHER- LINE Purpose=DITHER Number Of Points=4 Point Spacing=3.011 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=85.3 Angle Between Sides= Center Pattern=false			(1-2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(11)	SC1604+4318-POS11	RA: 16 03 24.1586 (240.8506608d) Dec: +43 22 27.11 (43.37420d) Equinox: J2000				V=24.0+/-1.0		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(11) SC1604+4318-P OS11	ACS/WFC, ACCUM, WFCENTER	F606W	CR-SPLIT=NO		Pattern 1-2 (1)	400.0 Secs	
									[==>493.0 Secs (Pattern 1)]	
									[==>493.0 Secs (Pattern 2)]	[1]
									[==>506.0 Secs (Pattern 3)]	
									[==>506.0 Secs (Pattern 4)]	[2]
	2		(11) SC1604+4318-P OS11	ACS/WFC, ACCUM, WFCENTER	F814W	CR-SPLIT=NO		Pattern 1-2 (1)	400.0 Secs	
									[==>493.0 Secs (Pattern 1)]	
									[==>493.0 Secs (Pattern 2)]	[1]
									[==>506.0 Secs (Pattern 3)]	
									[==>506.0 Secs (Pattern 4)]	[2]



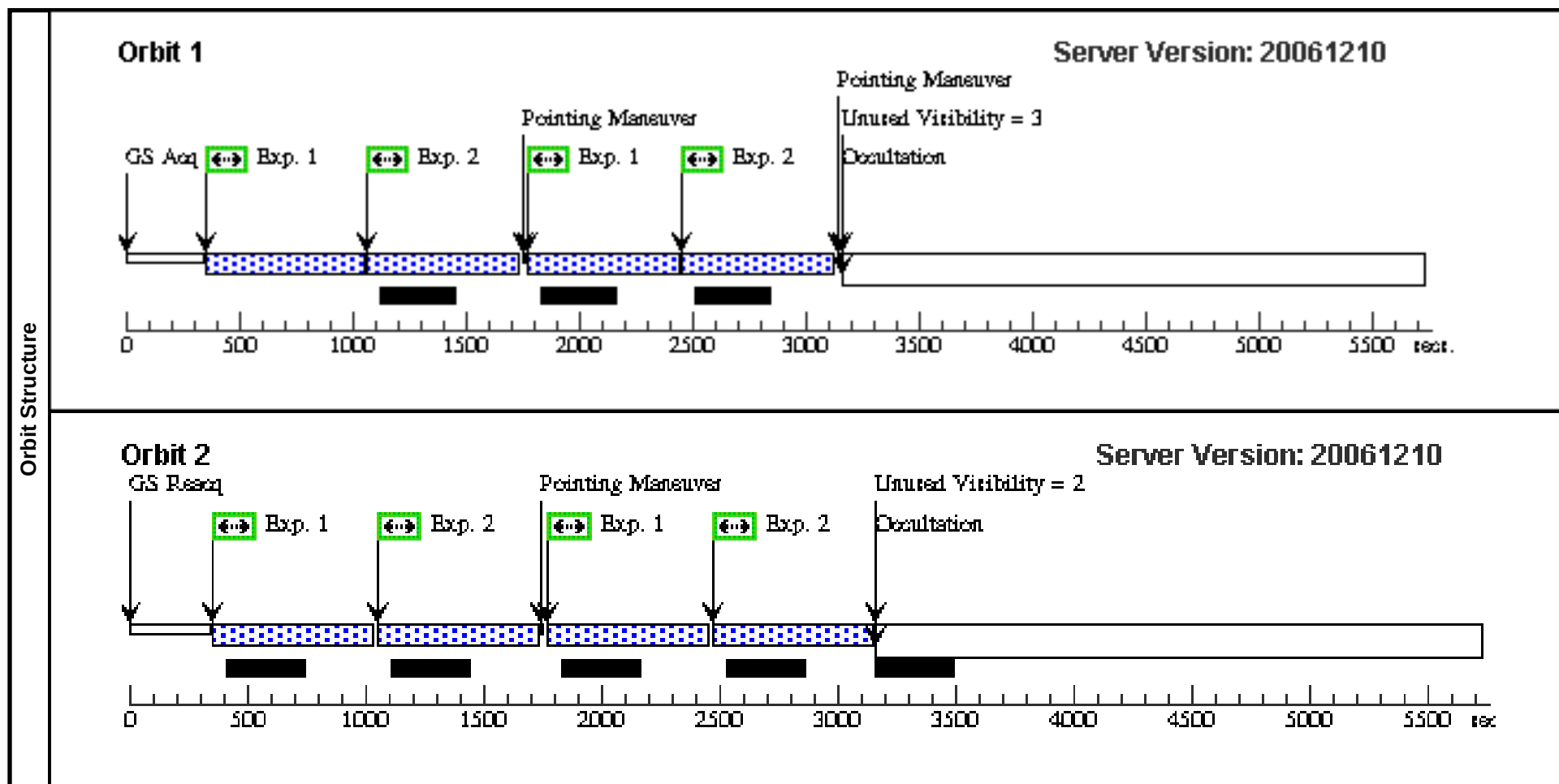
Proposal 11003 - Visit 12 - Mixing It Up : Gas, Stars, Starbirth, and AGN in a Supercluster at z = 0.9

Visit	Proposal 11003, Visit 12, completed Fri Jan 12 02:02:35 GMT 2007									
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: ORIENT 355.0D TO 5.0 D									
Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
	(1)	Pattern Type=ACS-WFC-DITHER- LINE Purpose=DITHER Number Of Points=4 Point Spacing=3.011 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=85.3 Angle Between Sides= Center Pattern=false			(1-2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(12)	SC1604+4318-POS12	RA: 16 03 8.3123 (240.7846346d) Dec: +43 23 29.68 (43.39158d) Equinox: J2000				V=24.0+/-1.0		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(12) SC1604+4318-P OS12	ACS/WFC, ACCUM, WFCENTER	F606W	CR-SPLIT=NO		Pattern 1-2 (1)	400.0 Secs	
									[==>493.0 Secs (Pattern 1)]	
									[==>493.0 Secs (Pattern 2)]	[1]
									[==>506.0 Secs (Pattern 3)]	
									[==>506.0 Secs (Pattern 4)]	[2]
	2		(12) SC1604+4318-P OS12	ACS/WFC, ACCUM, WFCENTER	F814W	CR-SPLIT=NO		Pattern 1-2 (1)	400.0 Secs	
									[==>493.0 Secs (Pattern 1)]	
									[==>493.0 Secs (Pattern 2)]	[1]
									[==>506.0 Secs (Pattern 3)]	
									[==>506.0 Secs (Pattern 4)]	[2]



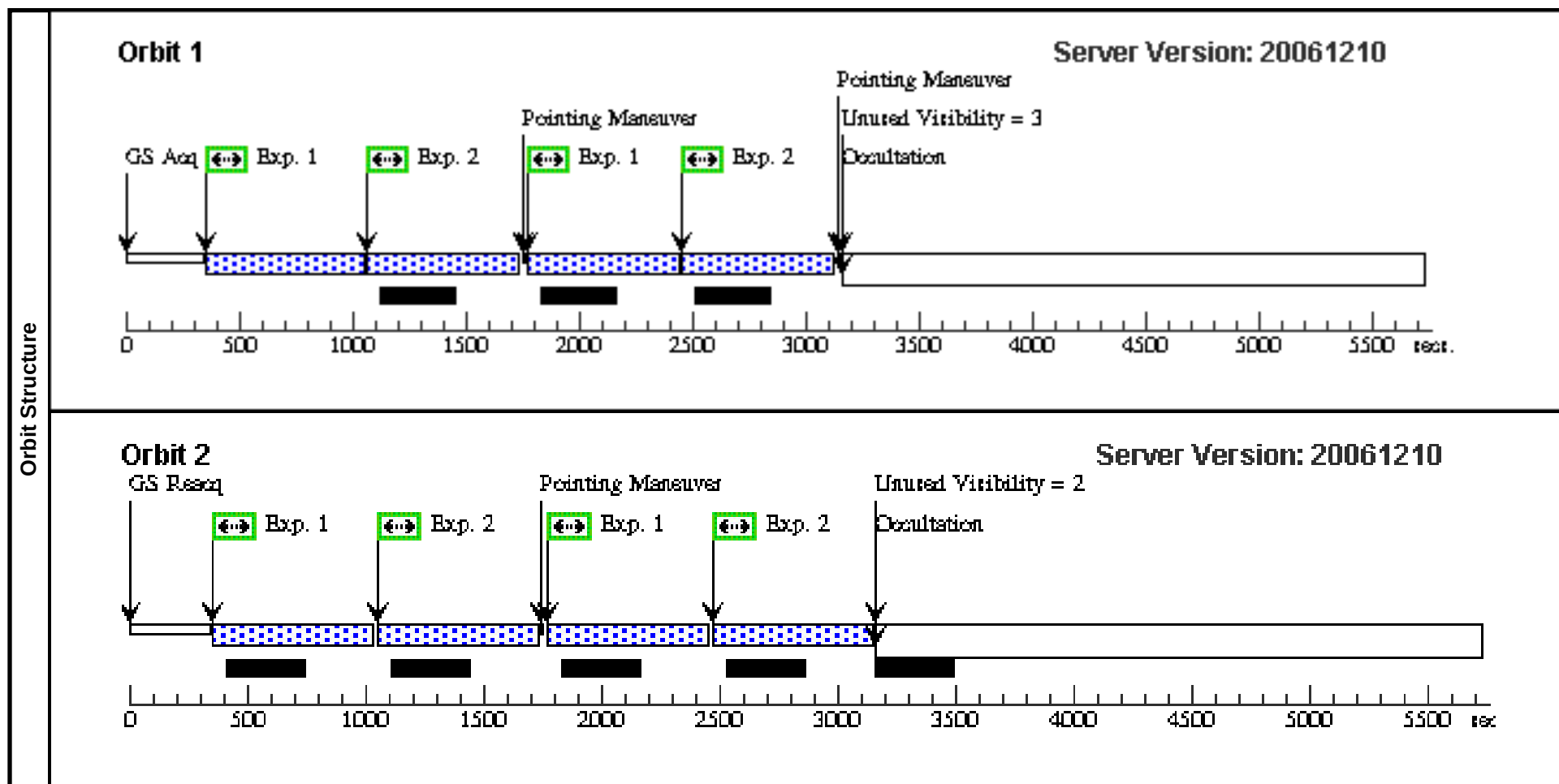
Proposal 11003 - Visit 13 - Mixing It Up : Gas, Stars, Starbirth, and AGN in a Supercluster at z = 0.9

Visit	Proposal 11003, Visit 13, completed Fri Jan 12 02:02:36 GMT 2007									
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: ORIENT 355.0D TO 5.0 D									
Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
	(1)	Pattern Type=ACS-WFC-DITHER- LINE Purpose=DITHER Number Of Points=4 Point Spacing=3.011 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=85.3 Angle Between Sides= Center Pattern=false			(1-2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(13)	SC1604+4318-POS13	RA: 16 04 26.6463 (241.1110262d) Dec: +43 24 28.45 (43.40790d) Equinox: J2000				V=24.0+/-1.0		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(13) SC1604+4318-P OS13	ACS/WFC, ACCUM, WFCENTER	F606W	CR-SPLIT=NO		Pattern 1-2 (1)	400.0 Secs	
									[==>493.0 Secs (Pattern 1)]	
									[==>493.0 Secs (Pattern 2)]	[1]
									[==>506.0 Secs (Pattern 3)]	
									[==>506.0 Secs (Pattern 4)]	[2]
	2		(13) SC1604+4318-P OS13	ACS/WFC, ACCUM, WFCENTER	F814W	CR-SPLIT=NO		Pattern 1-2 (1)	400.0 Secs	
									[==>493.0 Secs (Pattern 1)]	
									[==>493.0 Secs (Pattern 2)]	[1]
									[==>506.0 Secs (Pattern 3)]	
									[==>506.0 Secs (Pattern 4)]	[2]



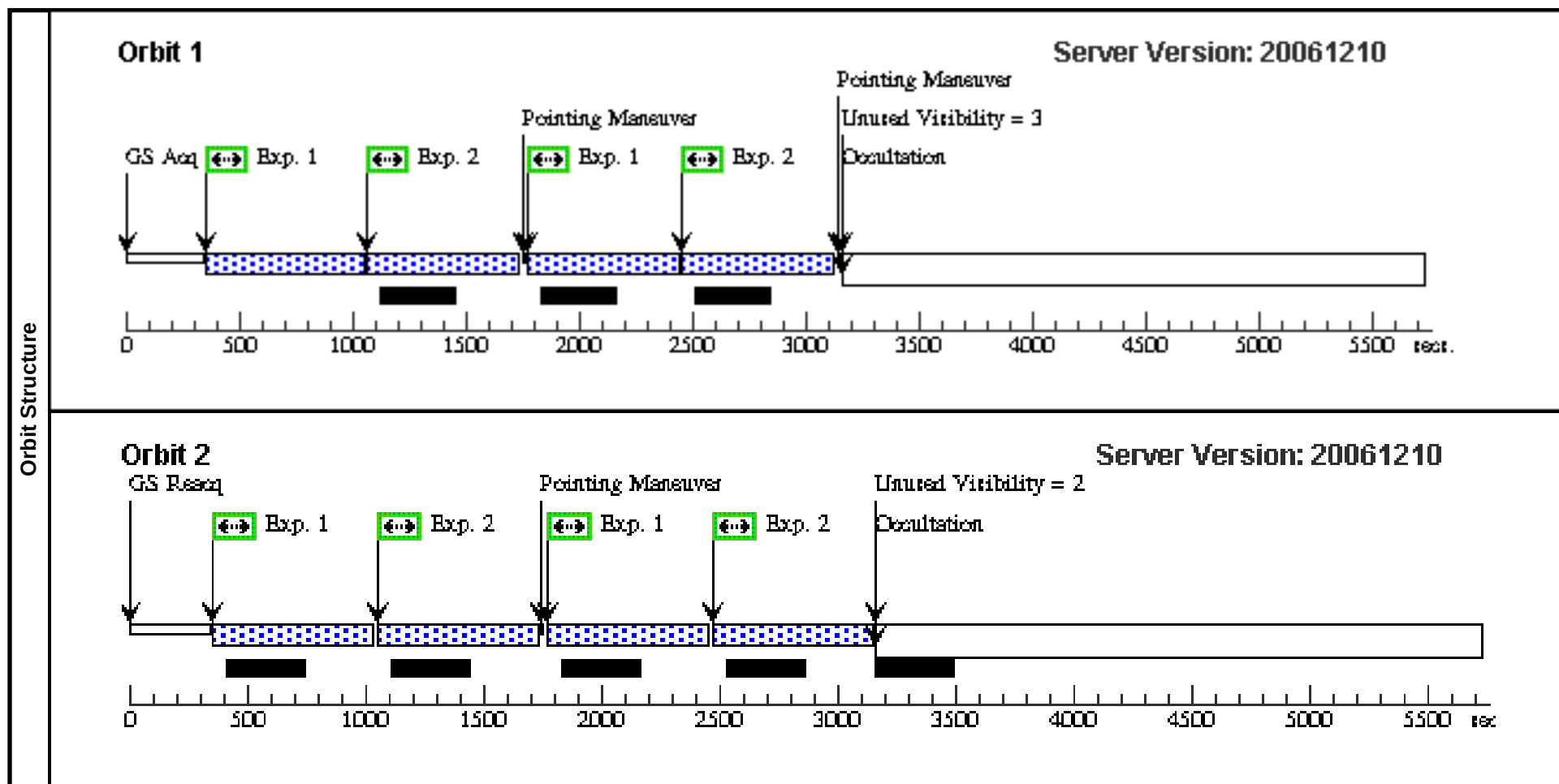
Proposal 11003 - Visit 14 - Mixing It Up : Gas, Stars, Starbirth, and AGN in a Supercluster at z = 0.9

Visit	Proposal 11003, Visit 14, completed Fri Jan 12 02:02:36 GMT 2007									
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: ORIENT 355.0D TO 5.0 D									
Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
	(1)	Pattern Type=ACS-WFC-DITHER- LINE Purpose=DITHER Number Of Points=4 Point Spacing=3.011 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=85.3 Angle Between Sides= Center Pattern=false			(1-2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(14)	SC1604+4318-POS14	RA: 16 03 51.8383 (240.9659929d) Dec: +43 25 23.61 (43.42322d) Equinox: J2000				V=24.0+/-1.0		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(14) SC1604+4318-P OS14	ACS/WFC, ACCUM, WFCENTER	F606W	CR-SPLIT=NO		Pattern 1-2 (1)	400.0 Secs	
									[==>493.0 Secs (Pattern 1)]	
									[==>493.0 Secs (Pattern 2)]	[1]
									[==>506.0 Secs (Pattern 3)]	
									[==>506.0 Secs (Pattern 4)]	[2]
	2		(14) SC1604+4318-P OS14	ACS/WFC, ACCUM, WFCENTER	F814W	CR-SPLIT=NO		Pattern 1-2 (1)	400.0 Secs	
									[==>493.0 Secs (Pattern 1)]	
									[==>493.0 Secs (Pattern 2)]	[1]
									[==>506.0 Secs (Pattern 3)]	
									[==>506.0 Secs (Pattern 4)]	[2]



Proposal 11003 - Visit 15 - Mixing It Up : Gas, Stars, Starbirth, and AGN in a Supercluster at z = 0.9

Visit	Proposal 11003, Visit 15, completed Fri Jan 12 02:02:37 GMT 2007									
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: ORIENT 355.0D TO 5.0 D									
Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
	(1)	Pattern Type=ACS-WFC-DITHER- LINE Purpose=DITHER Number Of Points=4 Point Spacing=3.011 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=85.3 Angle Between Sides= Center Pattern=false			(1-2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(15)	SC1604+4318-POS15	RA: 16 04 9.0864 (241.0378600d) Dec: +43 25 13.04 (43.42029d) Equinox: J2000				V=24.0+/-1.0		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(15) SC1604+4318-P OS15	ACS/WFC, ACCUM, WFCENTER	F606W	CR-SPLIT=NO		Pattern 1-2 (1)	400.0 Secs	
									[==>493.0 Secs (Pattern 1)]	
									[==>493.0 Secs (Pattern 2)]	[1]
									[==>506.0 Secs (Pattern 3)]	
									[==>506.0 Secs (Pattern 4)]	[2]
	2		(15) SC1604+4318-P OS15	ACS/WFC, ACCUM, WFCENTER	F814W	CR-SPLIT=NO		Pattern 1-2 (1)	400.0 Secs	
									[==>493.0 Secs (Pattern 1)]	
									[==>493.0 Secs (Pattern 2)]	[1]
									[==>506.0 Secs (Pattern 3)]	
									[==>506.0 Secs (Pattern 4)]	[2]



Proposal 11003 - Visit 16 - Mixing It Up : Gas, Stars, Starbirth, and AGN in a Supercluster at z = 0.9

Visit	Proposal 11003, Visit 16 Fri Jan 12 02:02:37 GMT 2007									
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: ORIENT 270.0D TO 280.0 D									
Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
	(1)	Pattern Type=ACS-WFC-DITHER- LINE Purpose=DITHER Number Of Points=4 Point Spacing=3.011 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=85.3 Angle Between Sides= Center Pattern=false			(1-2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(16)	SC1604+4318-POS8-NEW	RA: 16 04 15.4300 (241.0642917d) Dec: +43 22 4.40 (43.36789d) Equinox: J2000				V=24.0+/-1.0		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(16) SC1604+4318-P OS8-NEW	ACS/WFC, ACCUM, WFCENTER	F606W	CR-SPLIT=NO		Pattern 1-2 (1)	400.0 Secs	
									[==>493.0 Secs (Pattern 1)]	
									[==>493.0 Secs (Pattern 2)]	[1]
									[==>506.0 Secs (Pattern 3)]	
									[==>506.0 Secs (Pattern 4)]	[2]
	2		(16) SC1604+4318-P OS8-NEW	ACS/WFC, ACCUM, WFCENTER	F814W	CR-SPLIT=NO		Pattern 1-2 (1)	400.0 Secs	
									[==>493.0 Secs (Pattern 1)]	
									[==>493.0 Secs (Pattern 2)]	[1]
									[==>506.0 Secs (Pattern 3)]	
									[==>506.0 Secs (Pattern 4)]	[2]

