



10499 - Life Before the Fall: Morphological Evolution of Galaxies in Groups Prior to Cluster Assembly at $z=0.37$

Cycle: 14, Proposal Category: GO

(Availability Mode: SUPPORTED)

INVESTIGATORS

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VISITS

<i>Visit</i>	<i>Targets</i>	<i>Configurations</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(1) SUPER-GROUP-1120-1202-POS1	ACS/WFC WFPC2	1	20-Jun-2005 14:16:02.0	yes
02	(2) SUPER-GROUP-1120-1202-POS2	ACS/WFC WFPC2	1	20-Jun-2005 14:16:22.0	yes
03	(3) SUPER-GROUP-1120-1202-POS3	ACS/WFC WFPC2	1	20-Jun-2005 14:16:39.0	yes
04	(4) SUPER-GROUP-1120-1202-POS4	ACS/WFC WFPC2	1	20-Jun-2005 14:17:01.0	yes
05	(5) SUPER-GROUP-1120-1202-POS5	ACS/WFC WFPC2	1	20-Jun-2005 14:17:16.0	yes

Proposal 10499 - Overview

<i>Visit</i>	<i>Targets</i>	<i>Configurations</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
06	(6) SUPER-GROUP-1120-1202-POS6	ACS/WFC WFPC2	1	20-Jun-2005 14:17:30.0	yes
07	(7) SUPER-GROUP-1120-1202-POS7	ACS/WFC WFPC2	1	20-Jun-2005 14:17:44.0	yes
08	(8) SUPER-GROUP-1120-1202-POS8	ACS/WFC WFPC2	1	20-Jun-2005 14:17:58.0	yes
09	(9) SUPER-GROUP-1120-1202-POS9	ACS/WFC WFPC2	1	20-Jun-2005 14:18:12.0	yes
10	(10) SUPER-GROUP-1120-1202-POS10	ACS/WFC WFPC2	1	20-Jun-2005 14:18:25.0	yes

10 Total Orbits Used

ABSTRACT

We propose to obtain a deep ACS/WFC mosaic of a protocluster comprised of 4 distinct galaxy groups that are gravitationally bound to each other at $z=0.37$. The galaxy groups have a total combined mass comparable to the Coma cluster and already have twice as many absorption line galaxies as the field. The SG1120 complex thus provides an unprecedented opportunity for determining whether "pre-processing" in the group environment is responsible for the bulk of observed differences between galaxies in nearby clusters and those in the field. High resolution imaging with HST is needed to morphologically classify the group members and measure their structural parameters. By combining the early-type fraction and morphology-density relation in SG1120 with results from our wide-field spectroscopic survey, we will test whether spectral and morphological transformation timescales are decoupled on group scales and isolate the environmental mechanisms responsible for such evolution. We will also measure the Fundamental Plane and M/L ratios of the early-type members to constrain their formation epoch and how their stellar populations have evolved. Observations of the multiple galaxy groups in SG1120 provide a unique dataset to the community and will aid our understanding of how galaxies evolve in the still poorly studied group regime.

OBSERVING DESCRIPTION

10 ACS/WFC pointings to image in F814W an approximately rectangular region centered on a supergroup at $z=0.37$. The ACS pointings must overlap to mosaic a contiguous region with 2 rows and 5 columns (2x5 pointings). Parallel observations with WFPC2 also have been granted; the main objective with these is to image as much of the targeted ACS area as possible to obtain imaging in a 2nd filter (F606). In cases where the WFPC2 images do not overlap with the ACS images, the secondary goal is to obtain WFPC2 imaging in F814W.

REAL TIME JUSTIFICATION

not applicable

CALIBRATION JUSTIFICATION

not applicable

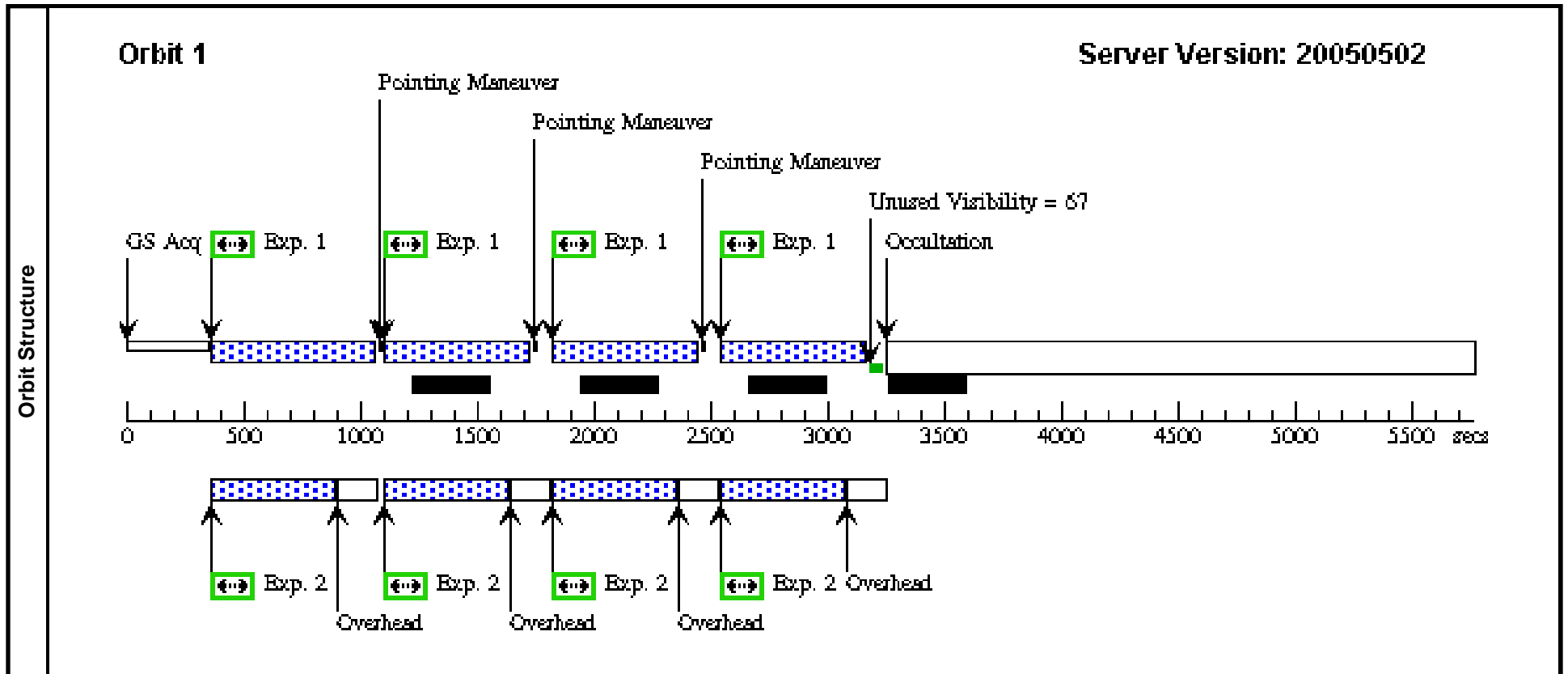
ADDITIONAL COMMENTS

There are several bright stars in the targeted field ($V \sim 13-15$ mags). While these stars will saturate the ACS chips and cause blooming, HST confirms this is okay.

Proposal 10499 - Visit 01 - Life Before the Fall: Morphological Evolution of Galaxies in Groups Prior to Cluster Assembly at z=0.37

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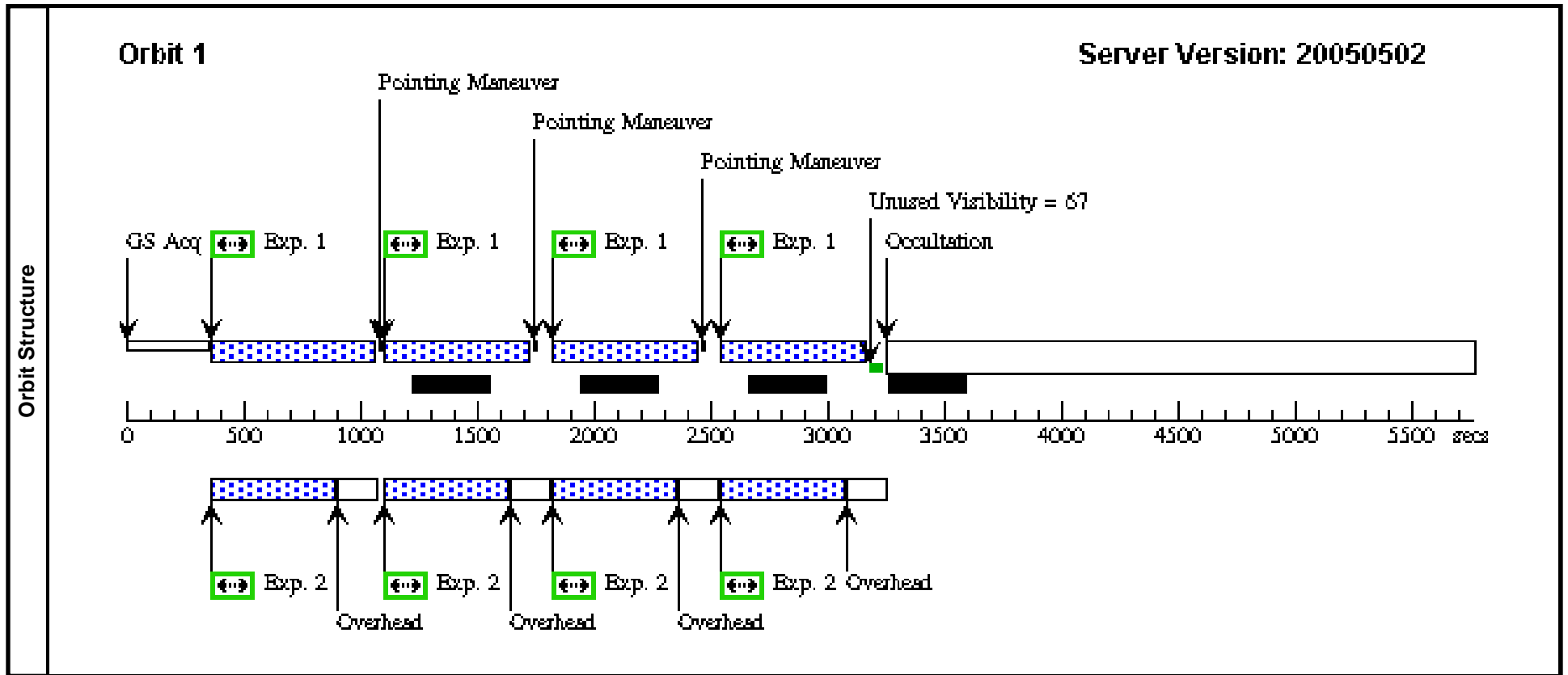
Visit	Proposal 10499, Visit 01 Diagnostic Status: Warning Scientific Instruments: ACS/WFC, WFPC2 Special Requirements: ORIENT 316.0D TO 316.0 D									
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Patterns		#	Primary Pattern				Secondary Pattern			Exposures
	(1)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=4 Point Spacing=2.3 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)	SUPER-GROUP-1120-1202-POS1	RA: 11 20 6.4000 (170.0266667d) Dec: -12 10 7.00 (-12.16861d) Equinox: J2000 Plate Id: (?)				V=19.0	Coordinate Source: CHANDRA IMAGING		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	SG-1120-1202-POS1	(1) SUPER-GROUP-1120-1202-POS1	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Group 1-2	500.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2	SG-1120-1202-POS1-P AR606	(1) SUPER-GROUP-1120-1202-POS1	WFPC2, IMAGE, WFALL	F606W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Group 1-2	400.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]



Proposal 10499 - Visit 02 - Life Before the Fall: Morphological Evolution of Galaxies in Groups Prior to Cluster Assembly at z=0.37

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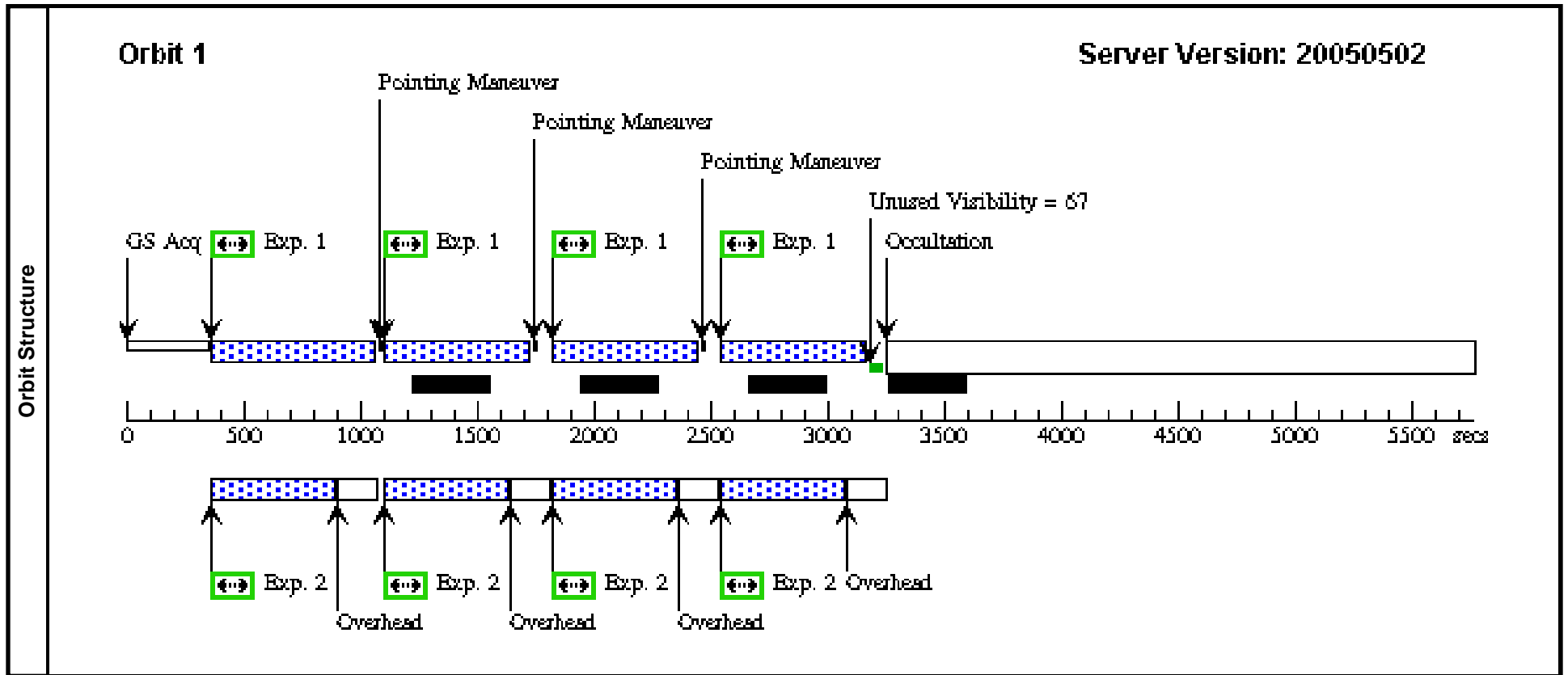
Visit	Proposal 10499, Visit 02 Diagnostic Status: Warning Scientific Instruments: ACS/WFC, WFPC2 Special Requirements: ORIENT 303.0D TO 305.0 D									
	Diagnostics	(Visit 02) Warning: PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME (Visit 02) Warning: PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME								
Patterns		#	Primary Pattern				Secondary Pattern			Exposures
	(1)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=4 Point Spacing=2.3 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		
	(2)	SUPER-GROUP-1120-1202-POS2	RA: 11 20 1.0000 (170.0041667d) Dec: -12 06 35.00 (-12.10972d) Equinox: J2000 Plate Id: (?)				V=19.0	Coordinate Source: CHANDRA IMAGING		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	SG-1120-12 02-POS2	(2) SUPER-GROUP-1120-1202-POS2	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Group 1-2	500.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2	SG-1120-12 02-POS2-P AR814	(2) SUPER-GROUP-1120-1202-POS2	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Group 1-2	400.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]



Proposal 10499 - Visit 03 - Life Before the Fall: Morphological Evolution of Galaxies in Groups Prior to Cluster Assembly at z=0.37

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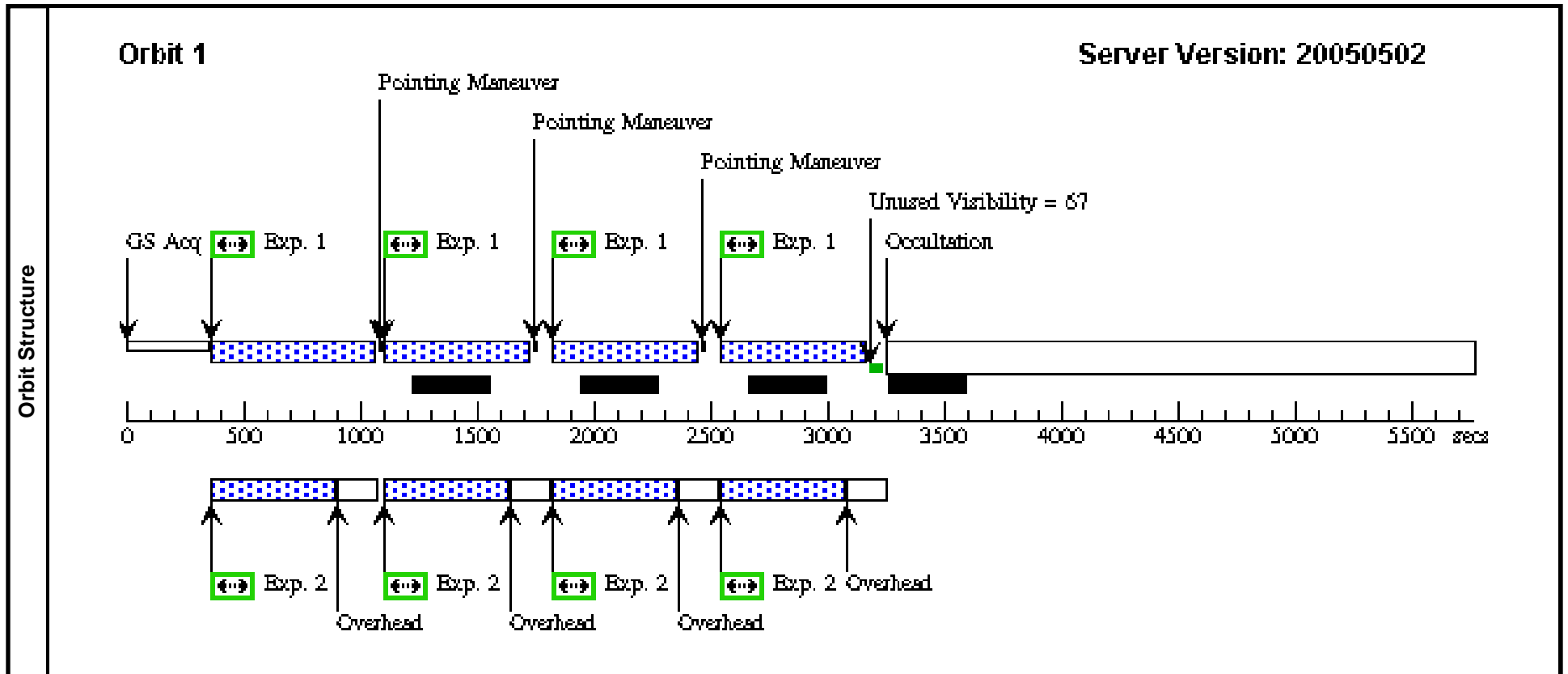
Visit	Proposal 10499, Visit 03 Diagnostic Status: Warning Scientific Instruments: ACS/WFC, WFPC2 Special Requirements: ORIENT 303.0D TO 305.0 D									
	Diagnostics	(Visit 03) Warning: PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME (Visit 03) Warning: PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME								
Patterns		#	Primary Pattern				Secondary Pattern			Exposures
	(1)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=4 Point Spacing=2.3 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		
	(3)	SUPER-GROUP-1120-1202-POS3	RA: 11 20 13.6000 (170.0566667d) Dec: -12 07 52.00 (-12.13111d) Equinox: J2000 Plate Id: (?)				V=19.0	Coordinate Source: CHANDRA IMAGING		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	SG-1120-1202-POS3	(3) SUPER-GROUP-1120-1202-POS3	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Group 1-2	500.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2	SG-1120-1202-POS3-P AR606	(3) SUPER-GROUP-1120-1202-POS3	WFPC2, IMAGE, WFALL	F606W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Group 1-2	400.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]



Proposal 10499 - Visit 04 - Life Before the Fall: Morphological Evolution of Galaxies in Groups Prior to Cluster Assembly at z=0.37

Mon Jun 20 18:18:35 GMT 2005

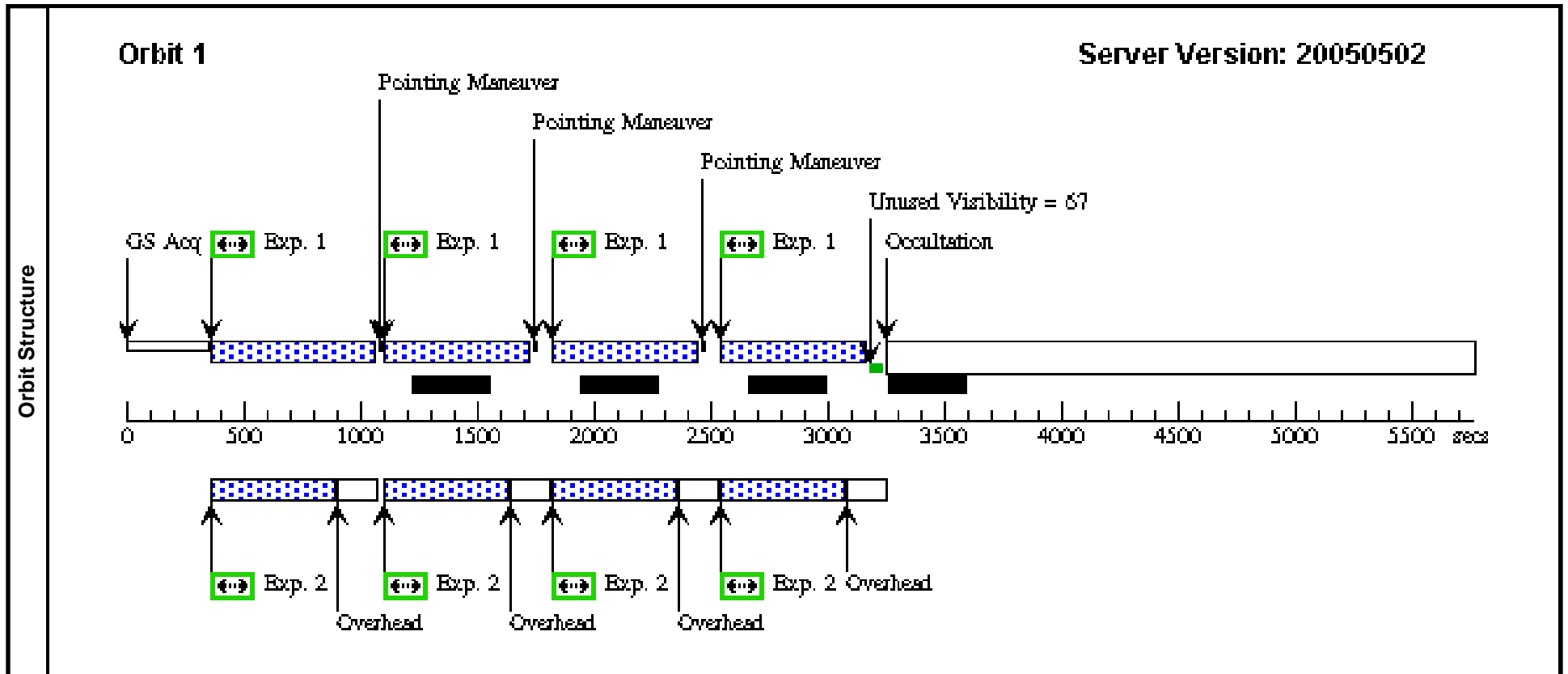
Visit	Proposal 10499, Visit 04 Diagnostic Status: Warning Scientific Instruments: ACS/WFC, WFPC2 Special Requirements: ORIENT 123.0D TO 125.0 D									
	Diagnostics	(Visit 04) Warning: PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME (Visit 04) Warning: PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME								
Patterns		#	Primary Pattern				Secondary Pattern			Exposures
	(1)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=4 Point Spacing=2.3 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		
	(4)	SUPER-GROUP-1120-1202-POS4	RA: 11 20 10.4000 (170.0433333d) Dec: -12 04 9.00 (-12.06917d) Equinox: J2000 Plate Id: (?)				V=19.0	Coordinate Source: CHANDRA IMAGING		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	SG-1120-1202-POS4	(4) SUPER-GROUP-1120-1202-POS4	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Group 1-2	500.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2	SG-1120-1202-POS4-P AR606	(4) SUPER-GROUP-1120-1202-POS4	WFPC2, IMAGE, WFALL	F606W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Group 1-2	400.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]



Proposal 10499 - Visit 05 - Life Before the Fall: Morphological Evolution of Galaxies in Groups Prior to Cluster Assembly at z=0.37

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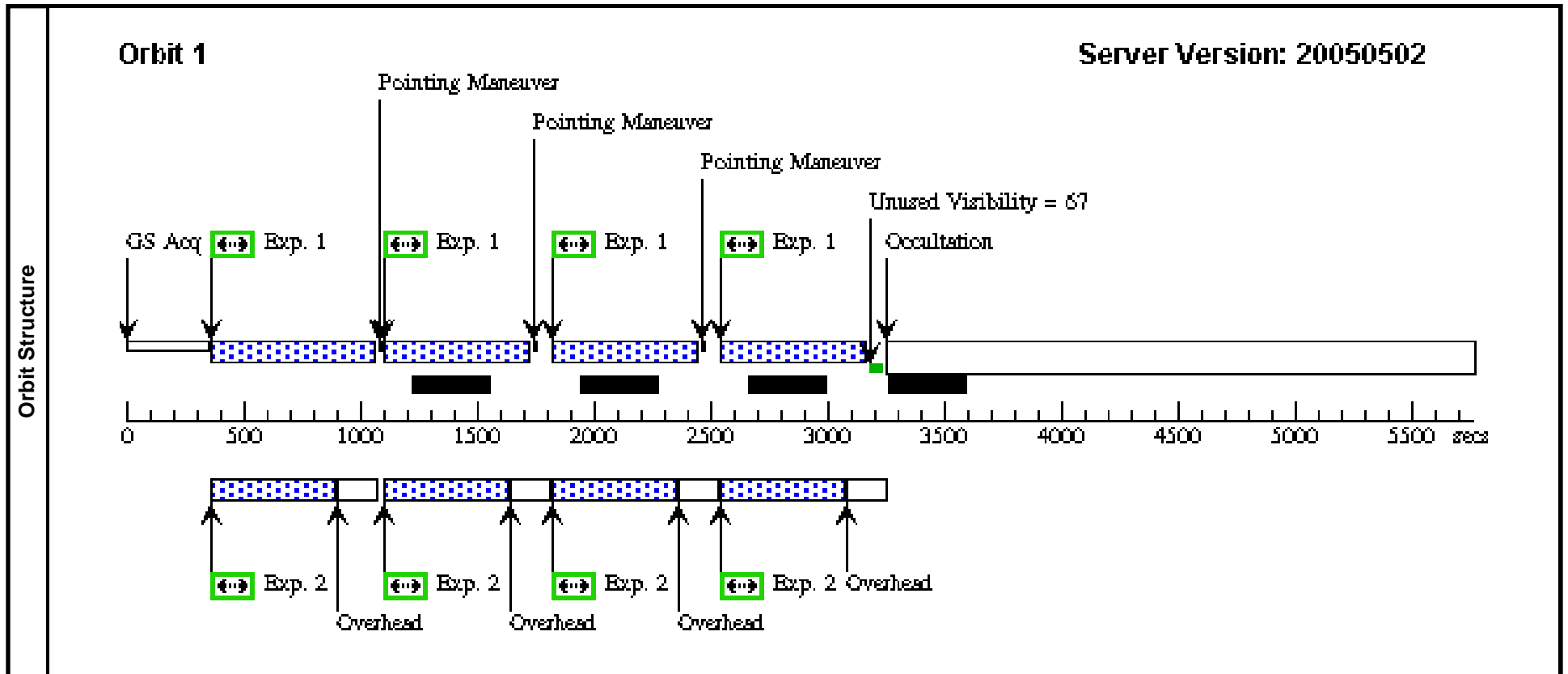
Visit	Proposal 10499, Visit 05 Diagnostic Status: Warning Scientific Instruments: ACS/WFC, WFPC2 Special Requirements: ORIENT 303.0D TO 305.0 D									
	Diagnostics	(Visit 05) Warning: PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME (Visit 05) Warning: PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME								
Patterns		#	Primary Pattern				Secondary Pattern			Exposures
	(1)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=4 Point Spacing=2.3 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		
	(5)	SUPER-GROUP-1120-1202-POS5	RA: 11 20 21.2000 (170.0883333d) Dec: -12 05 13.00 (-12.08694d) Equinox: J2000 Plate Id: (?)				V=19.0	Coordinate Source: CHANDRA IMAGING		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	SG-1120-1202-POS5	(5) SUPER-GROUP-1120-1202-POS5	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Group 1-2	500.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2	SG-1120-1202-POS5-P AR606	(5) SUPER-GROUP-1120-1202-POS5	WFPC2, IMAGE, WFALL	F606W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Group 1-2	400.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]



Proposal 10499 - Visit 06 - Life Before the Fall: Morphological Evolution of Galaxies in Groups Prior to Cluster Assembly at z=0.37

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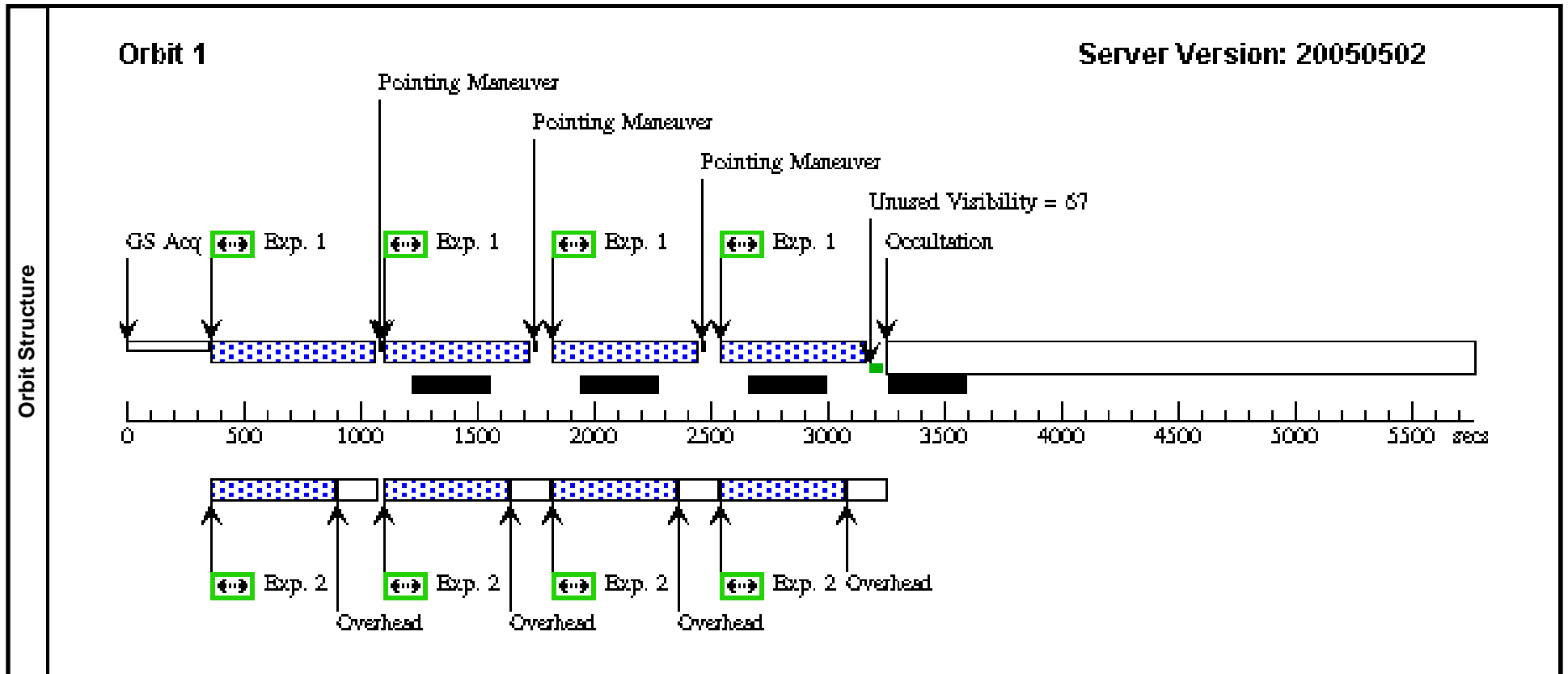
Visit	Proposal 10499, Visit 06 Diagnostic Status: Warning Scientific Instruments: ACS/WFC, WFPC2 Special Requirements: ORIENT 303.0D TO 305.0 D									
	Diagnostics	(Visit 06) Warning: PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME (Visit 06) Warning: PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME								
Patterns		#	Primary Pattern				Secondary Pattern			Exposures
	(1)	Pattern Type=ACS-WFC-DITHER- LINE Purpose=DITHER Number Of Points=4 Point Spacing=2.3 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		
	(6)	SUPER-GROUP-1120-1202-POS6	RA: 11 20 29.2000 (170.1216667d) Dec: -12 02 35.00 (-12.04306d) Equinox: J2000 Plate Id: (?)				V=19.0	Coordinate Source: CHANDRA IMAGING		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	SG-1120-1202-POS6	(6) SUPER-GROUP-1120-1202-POS6	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Group up 1-2	500.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2	SG-1120-1202-POS6-P AR606	(6) SUPER-GROUP-1120-1202-POS6	WFPC2, IMAGE, WFALL	F606W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Group up 1-2	400.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]



Proposal 10499 - Visit 07 - Life Before the Fall: Morphological Evolution of Galaxies in Groups Prior to Cluster Assembly at z=0.37

Mon Jun 20 18:18:40 GMT 2005

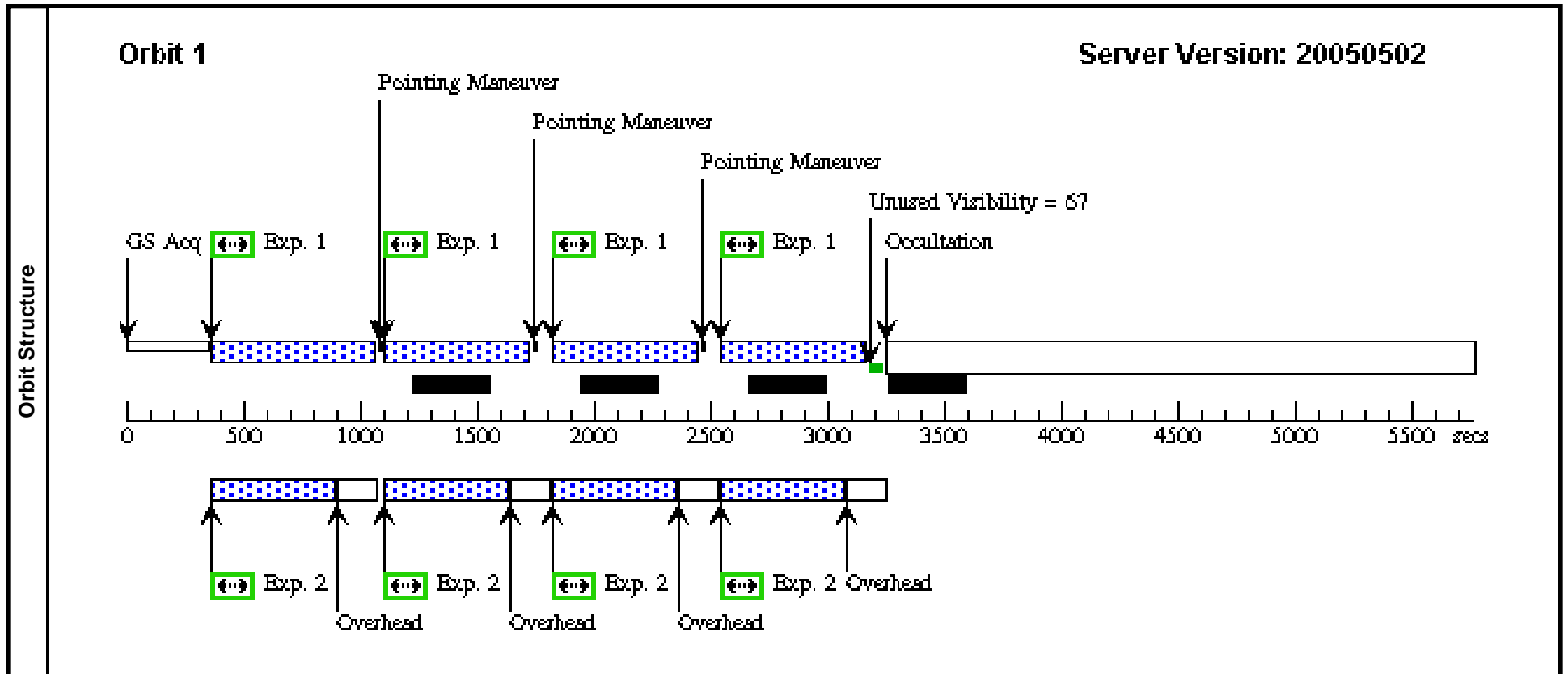
Visit	Proposal 10499, Visit 07 Diagnostic Status: Warning Scientific Instruments: ACS/WFC, WFPC2 Special Requirements: ORIENT 129.0D TO 129.0 D									
	Diagnostics	(Visit 07) Warning: PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME (Visit 07) Warning: PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME								
Patterns		#	Primary Pattern				Secondary Pattern			Exposures
	(1)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=4 Point Spacing=2.3 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		
	(7)	SUPER-GROUP-1120-1202-POS7	RA: 11 20 18.2000 (170.0758333d) Dec: -12 01 38.00 (-12.02722d) Equinox: J2000 Plate Id: (?)				V=19.0	Coordinate Source: CHANDRA IMAGING		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	SG-1120-1202-POS7	(7) SUPER-GROUP-1120-1202-POS7	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Group 1-2	500.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2	SG-1120-1202-POS7-P AR606	(7) SUPER-GROUP-1120-1202-POS7	WFPC2, IMAGE, WFALL	F606W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Group 1-2	400.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]



Proposal 10499 - Visit 08 - Life Before the Fall: Morphological Evolution of Galaxies in Groups Prior to Cluster Assembly at z=0.37

Mon Jun 20 18:18:41 GMT 2005

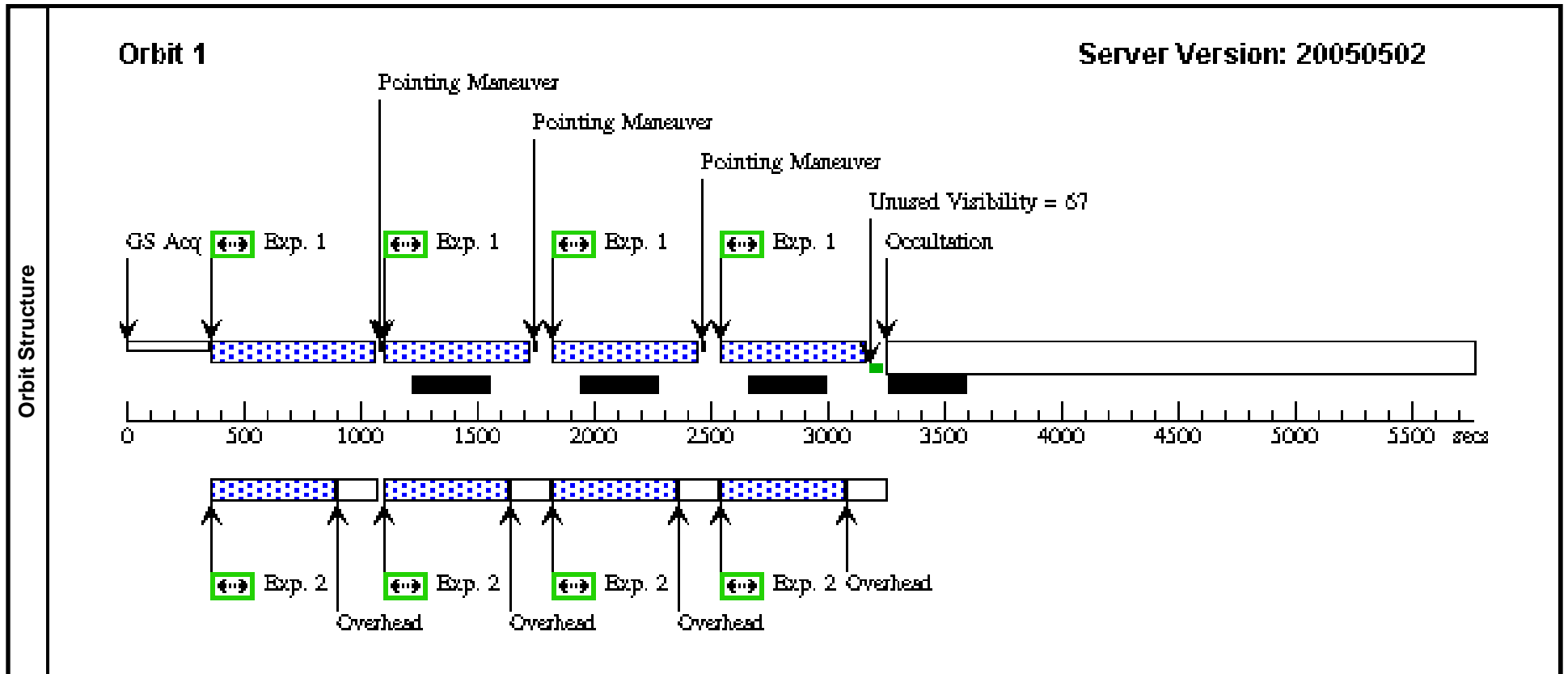
Visit	Proposal 10499, Visit 08 Diagnostic Status: Warning Scientific Instruments: ACS/WFC, WFPC2 Special Requirements: ORIENT 126.0D TO 126.0 D									
	Diagnostics	(Visit 08) Warning: PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME (Visit 08) Warning: PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME								
Patterns		#	Primary Pattern				Secondary Pattern			Exposures
	(1)	Pattern Type=ACS-WFC-DITHER- LINE Purpose=DITHER Number Of Points=4 Point Spacing=2.3 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		
	(8)	SUPER-GROUP-1120-1202-POS8	RA: 11 20 7.8000 (170.0325000d) Dec: -11 59 35.00 (-11.99306d) Equinox: J2000 Plate Id: (?)				V=19.0	Coordinate Source: CHANDRA IMAGING		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	SG-1120-1202-POS8	(8) SUPER-GROUP-1120-1202-POS8	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Group up 1-2	500.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2	SG-1120-1202-POS8-P AR606	(8) SUPER-GROUP-1120-1202-POS8	WFPC2, IMAGE, WFALL	F606W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Group up 1-2	400.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]



Proposal 10499 - Visit 09 - Life Before the Fall: Morphological Evolution of Galaxies in Groups Prior to Cluster Assembly at z=0.37

Mon Jun 20 18:18:42 GMT 2005

Visit	Proposal 10499, Visit 09 Diagnostic Status: Warning Scientific Instruments: ACS/WFC, WFPC2 Special Requirements: ORIENT 123.0D TO 123.0 D									
	Diagnostics	(Visit 09) Warning: PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME (Visit 09) Warning: PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME								
Patterns		#	Primary Pattern				Secondary Pattern			Exposures
	(1)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=4 Point Spacing=2.3 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		
	(9)	SUPER-GROUP-1120-1202-POS9	RA: 11 20 25.8000 (170.1075000d) Dec: -11 59 7.00 (-11.98528d) Equinox: J2000 Plate Id: (?)				V=19.0	Coordinate Source: CHANDRA IMAGING		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	SG-1120-1202-POS9	(9) SUPER-GROUP-1120-1202-POS9	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Group 1-2	500.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2	SG-1120-1202-POS9-P AR606	(9) SUPER-GROUP-1120-1202-POS9	WFPC2, IMAGE, WFALL	F606W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Group 1-2	400.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]



Proposal 10499 - Visit 10 - Life Before the Fall: Morphological Evolution of Galaxies in Groups Prior to Cluster Assembly at z=0.37

Mon Jun 20 18:18:43 GMT 2005

Visit	Proposal 10499, Visit 10 Diagnostic Status: Warning Scientific Instruments: ACS/WFC, WFPC2 Special Requirements: ORIENT 123.0D TO 125.0 D									
	Diagnostics	(Visit 10) Warning: PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME (Visit 10) Warning: PARALLELS SIGNIFICANTLY EXTEND ALIGNMENT TIME								
Patterns		#	Primary Pattern				Secondary Pattern			Exposures
	(1)	Pattern Type=ACS-WFC-DITHER- LINE Purpose=DITHER Number Of Points=4 Point Spacing=2.3 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)	SUPER-GROUP-1120-1202-POS10	RA: 11 20 15.6000 (170.0650000d) Dec: -11 57 0.00 (-11.950000d) Equinox: J2000 Plate Id: (?)				V=19.0	Coordinate Source: CHANDRA IMAGING		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	SG-1120-1202-POS10	(10) SUPER-GROUP-1120-1202-POS10	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Group 1-2	500.0 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]
	2	SG-1120-1202-POS10-P AR606	(10) SUPER-GROUP-1120-1202-POS10	WFPC2, IMAGE, WFALL	F606W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Group 1-2	400.0 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]

