



## 10809 - The nature of "dry" mergers in the nearby Universe

Cycle: 15, Proposal Category: GO

(Availability Mode: SUPPORTED)

### INVESTIGATORS

<i>Name</i>	<i>Institution</i>	<i>E-Mail</i>
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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) 1256-5723	WFPC2	1	19-Mar-2007 21:04:04.0	yes
02	(2) CDFS-6976	ACS/WFC	1	19-Mar-2007 21:04:14.0	yes
03	(3) 2-3070	WFPC2	1	19-Mar-2007 21:04:21.0	yes
04	(4) 4-1190	ACS/WFC	1	19-Mar-2007 21:04:27.0	yes
05	(5) 4-1975	ACS/WFC	1	19-Mar-2007 21:04:33.0	yes
06	(6) 11-962	WFPC2	1	19-Mar-2007 21:04:39.0	yes
07	(7) 14-1401	ACS/WFC	1	19-Mar-2007 21:04:45.0	yes
08	(8) 17-596+681	WFPC2	1	19-Mar-2007 21:04:49.0	yes
09	(9) 19-2206	WFPC2	1	19-Mar-2007 21:04:53.0	yes
10	(10) 22-2252	WFPC2	1	19-Mar-2007 21:04:58.0	yes
11	(11) 17-2031+2134	WFPC2	1	19-Mar-2007 21:05:03.0	yes
12	(12) 25-1977+1980+2124	WFPC2	1	19-Mar-2007 21:05:08.0	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>
13	(13) 16-1302	ACS/WFC	1	19-Mar-2007 21:05:13.0	yes
14	(14) 27-3444	ACS/WFC	1	19-Mar-2007 21:05:20.0	yes
15	(15) 11-1014	ACS/WFC	1	19-Mar-2007 21:05:27.0	yes
16	(16) 9-2105	ACS/WFC	1	19-Mar-2007 21:05:33.0	yes
17	(17) 23-1585	WFPC2	1	19-Mar-2007 21:05:39.0	yes
18	(18) 22-790	WFPC2	1	19-Mar-2007 21:05:43.0	yes
19	(19) 3-601	ACS/WFC	1	19-Mar-2007 21:05:49.0	yes
20	(20) 9-360	ACS/WFC	1	19-Mar-2007 21:05:54.0	yes

20 Total Orbits Used

### **ABSTRACT**

Recent studies have shown that "dry" mergers of red, bulge-dominated galaxies at low redshift play an important role in shaping today's most massive ellipticals. These mergers have been identified in extremely deep ground-based images of red sequence galaxies at  $z \sim 0.1$ . The ground-based images reach surface brightness limits of  $AB \sim 29$ , but lack the resolution to study the morphologies of the galaxies inside the effective radius. Here we propose to obtain ACS images of a representative sample of 40 of these red sequence galaxies: 15 ongoing dry mergers, 15 remnants, and 10 undisturbed objects. We will measure the isophote shapes and ellipticities of the galaxies, their dust content, morphological fine structure (shells and ripples), AGN content, and their location on the Fundamental Plane. By comparing galaxies in different stages of the merging process we can constrain the amount of gas associated with these red mergers, the effect of active nuclei, and track structural changes. As two galaxies can be observed in a single orbit 20 orbits are requested to observe the 40 galaxies.

### **OBSERVING DESCRIPTION**

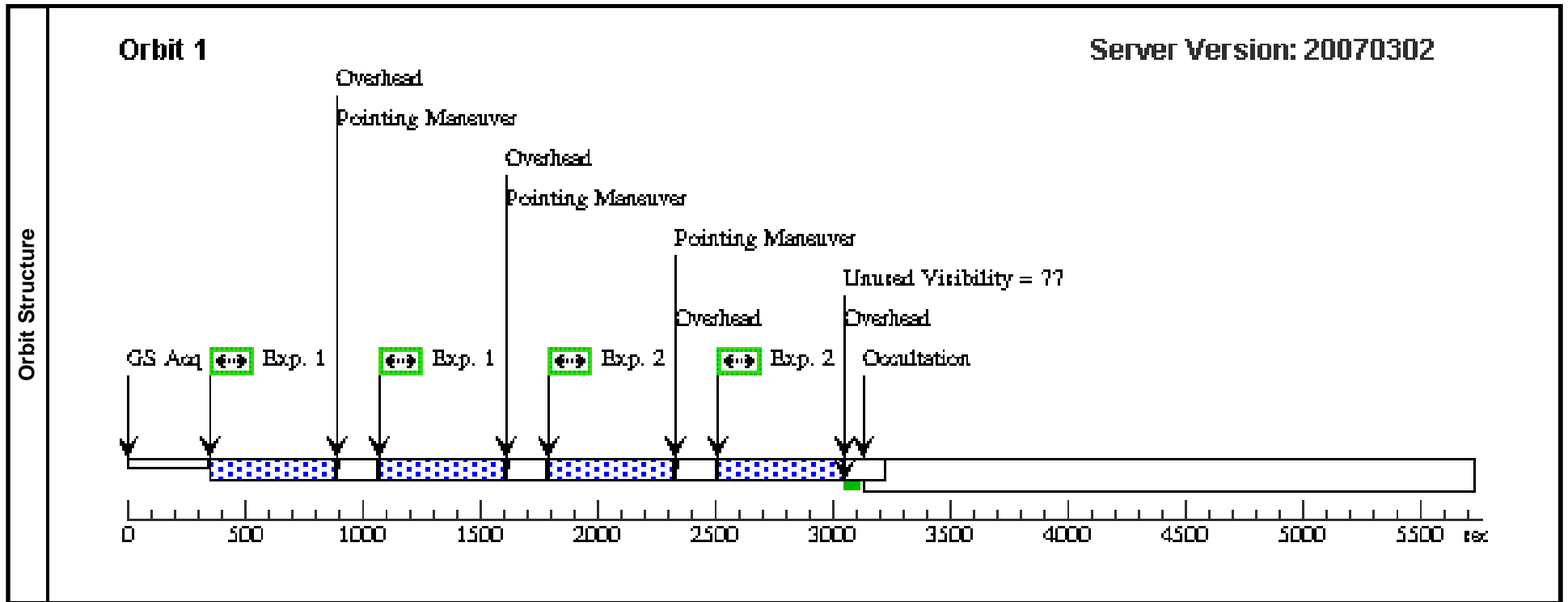
ACS imaging of bright red merging galaxies and merger remnants. Responding to a mandatory technical comment, 20 galaxies are observed in 20 orbits. Each observation has identical structure: 2 dithered exposures in F606W and 2 dithered exposures in F814W. The dither pattern is the

standard 2-point hot pixel pattern. Objects are usually placed on WFC1, except when noted otherwise. Some visits have ORIENT constraints, to avoid spikes of bright stars or to get more than 1 object in the field.

Proposal 10809 - Visit 01 - The nature of "dry" mergers in the nearby Universe

Tue Mar 20 01:05:57 GMT 2007

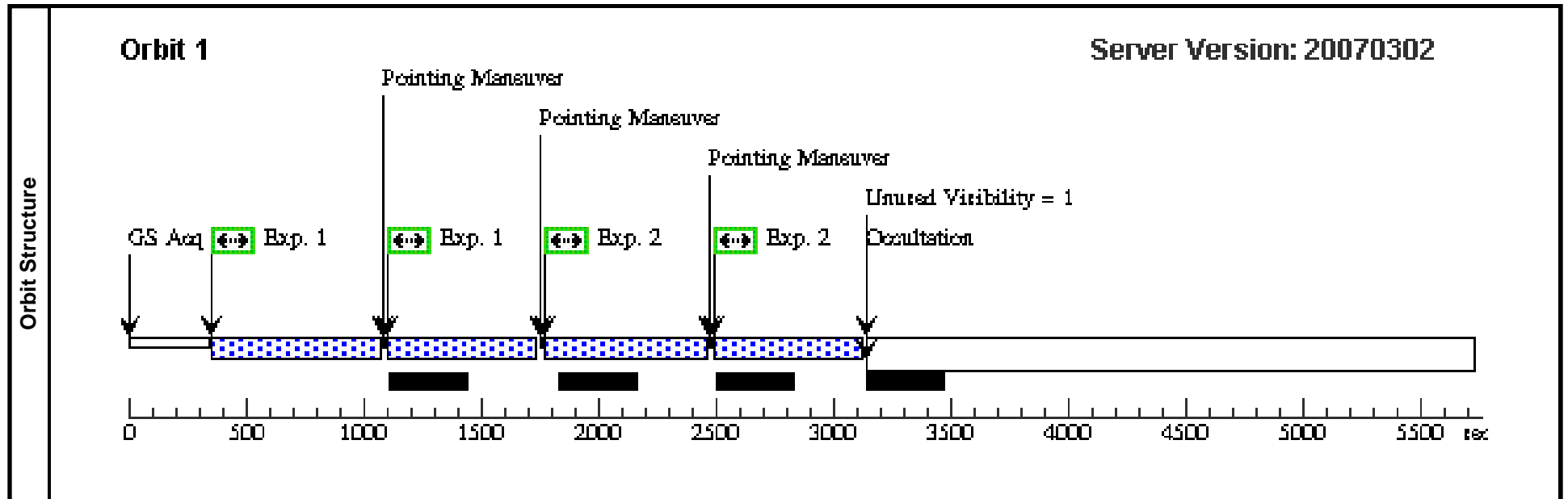
<b>Visit</b>	<b>Proposal 10809, Visit 01, scheduling</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFPC2 Special Requirements: (none)										
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			<b>Exposures</b>	
(2)		Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.704 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45 Angle Between Sides= Center Pattern=false						(1), (2)		
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(1)	1256-5723	RA: 12 56 41.4000 (194.1725000d) Dec: +00 53 59.30 (.89981d) Equinox: J2000				V=16.0	Reference Frame: ICRS			
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>		<b>Orbit</b>
	1	(1) 1256-5723	WFPC2, IMAGE, PC1	F606W				Pattern 1-1 (2)	400.0 Secs		
									[=>400.0 Secs (Pattern 1)]	[1]	
									[=>400.0 Secs (Pattern 2)]		
2	(1) 1256-5723	WFPC2, IMAGE, PC1	F814W				Pattern 2-2 (2)	400.0 Secs			
								[=>400.0 Secs (Pattern 1)]	[1]		
								[=>400.0 Secs (Pattern 2)]			



Proposal 10809 - Visit 02 - The nature of "dry" mergers in the nearby Universe

Tue Mar 20 01:05:59 GMT 2007

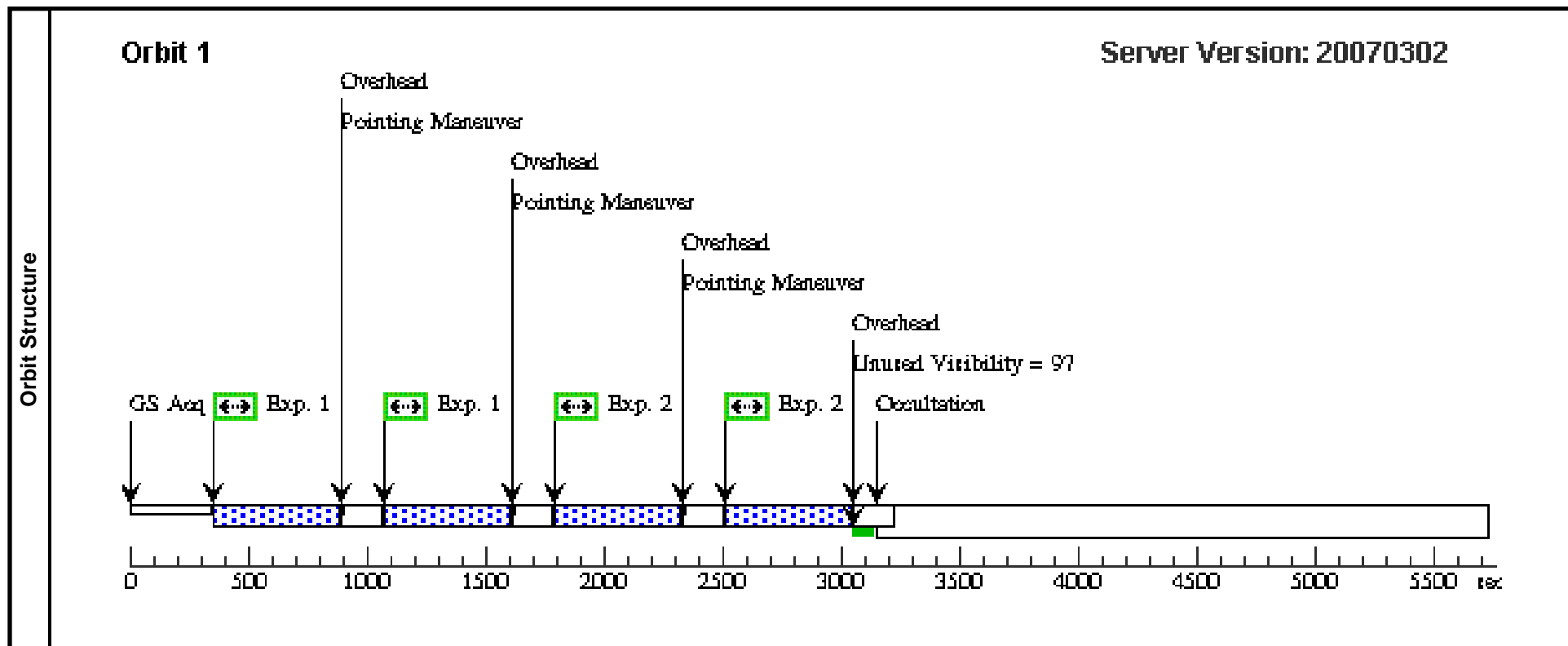
<b>Visit</b>	<b>Proposal 10809, Visit 02, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC Special Requirements: (none)									
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>			<b>Secondary Pattern</b>			<b>Exposures</b>	
(1)		Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=false					(1), (2)		
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>	<b>Miscellaneous</b>			
	(2)	CDFS-6976	RA: 03 32 29.8000 (53.1241667d) Dec: -27 33 43.00 (-27.56194d) Equinox: J2000			V=16.0	Reference Frame: ICRS			
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1		(2) CDFS-6976	ACS/WFC, ACCUM, WFC1	F606W	CR-SPLIT=NO		Pattern 1-1 (1)	400.0 Secs	
									[=>513.0 Secs (Pattern 1)]	[1]
									[=>513.0 Secs (Pattern 2)]	
2		(2) CDFS-6976	ACS/WFC, ACCUM, WFC1	F814W	CR-SPLIT=NO			Pattern 2-2 (1)	400.0 Secs	
									[=>513.0 Secs (Pattern 1)]	[1]
									[=>513.0 Secs (Pattern 2)]	



Proposal 10809 - Visit 03 - The nature of "dry" mergers in the nearby Universe

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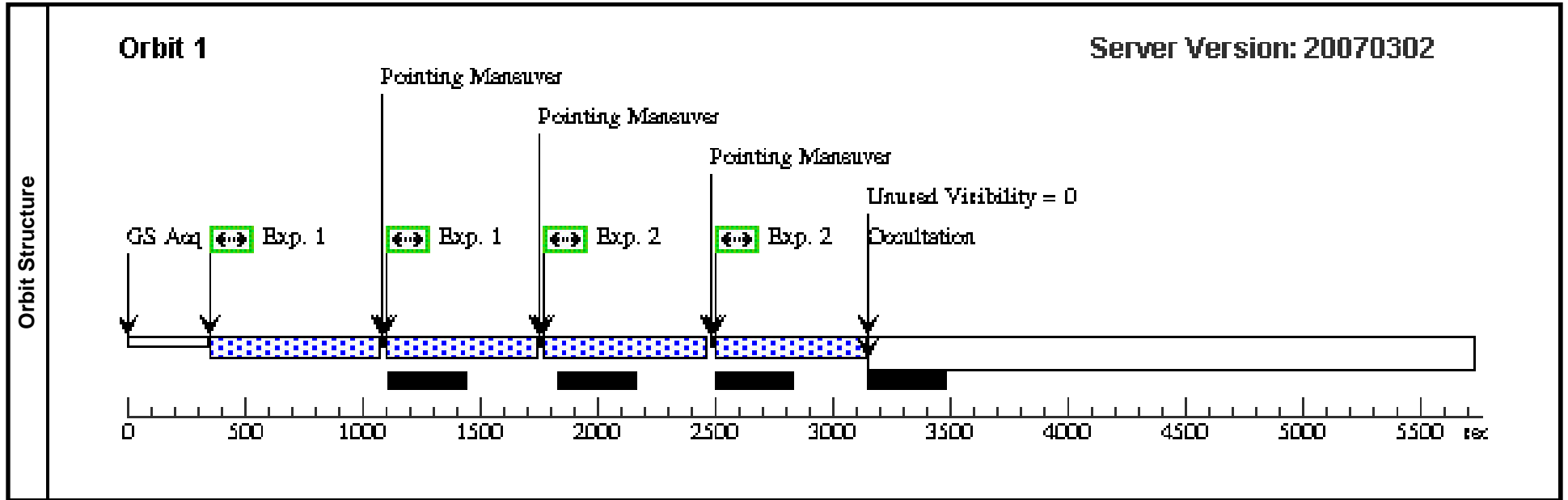
<b>Visit</b>	<b>Proposal 10809, Visit 03, scheduling</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFPC2 Special Requirements: (none)									
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			
(2)		Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.704 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45 Angle Between Sides= Center Pattern=false					(1), (2)		
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(3)	2-3070	RA: 14 24 36.1000 (216.1504167d) Dec: +33 14 41.30 (33.24481d) Equinox: J2000		V=16.0	Reference Frame: ICRS				
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1	(3) 2-3070	WFPC2, IMAGE, PC1	F606W				Pattern 1-1 (2)	400.0 Secs	
									[=>400.0 Secs (Pattern 1)]	[1]
									[=>400.0 Secs (Pattern 2)]	
2	(3) 2-3070	WFPC2, IMAGE, PC1	F814W					Pattern 2-2 (2)	400.0 Secs	
									[=>400.0 Secs (Pattern 1)]	[1]
									[=>400.0 Secs (Pattern 2)]	



Proposal 10809 - Visit 04 - The nature of "dry" mergers in the nearby Universe

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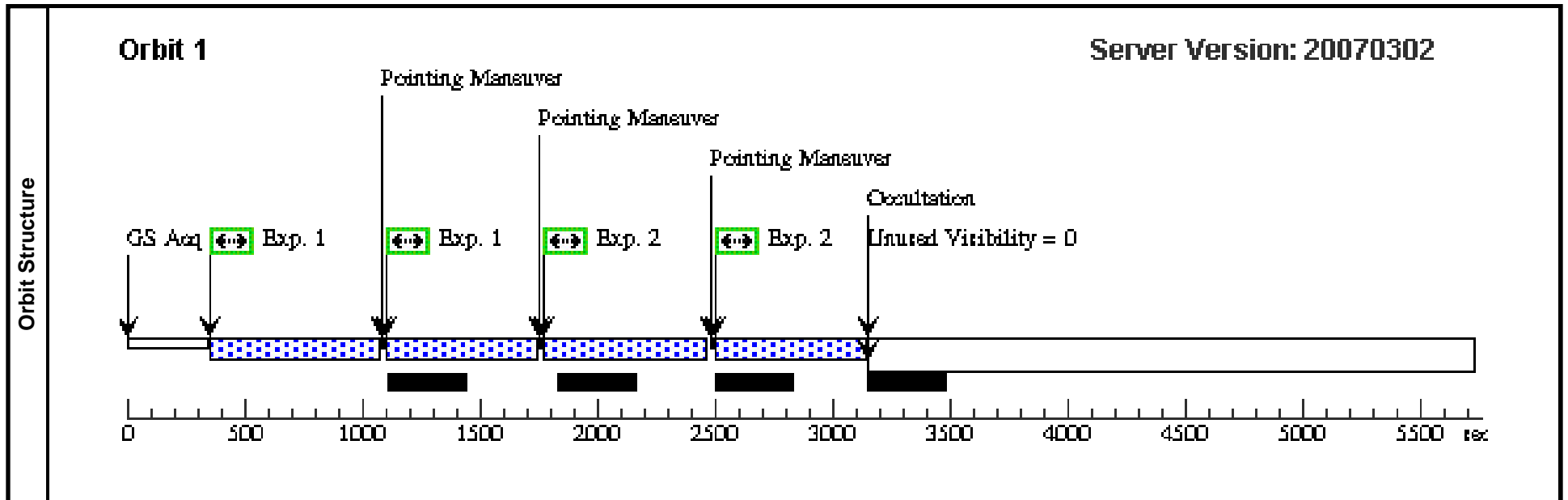
<b>Visit</b>	<b>Proposal 10809, Visit 04, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC Special Requirements: (none)									
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>			<b>Secondary Pattern</b>			<b>Exposures</b>	
(1)		Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=false					(1), (2)		
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(4)	4-1190	RA: 14 25 43.7000 (216.4320833d) Dec: +34 17 2.80 (34.28411d) Equinox: J2000		V=16.0	Reference Frame: ICRS				
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1		(4) 4-1190	ACS/WFC, ACCUM, WFC1	F606W	CR-SPLIT=NO		Pattern 1-1 (1)	400.0 Secs	
									[==>514.0 Secs (Pattern 1)]	[1]
									[==>514.0 Secs (Pattern 2)]	
2		(4) 4-1190	ACS/WFC, ACCUM, WFC1	F814W	CR-SPLIT=NO			Pattern 2-2 (1)	400.0 Secs	
									[==>514.0 Secs (Pattern 1)]	[1]
									[==>514.0 Secs (Pattern 2)]	



Proposal 10809 - Visit 05 - The nature of "dry" mergers in the nearby Universe

Tue Mar 20 01:06:01 GMT 2007

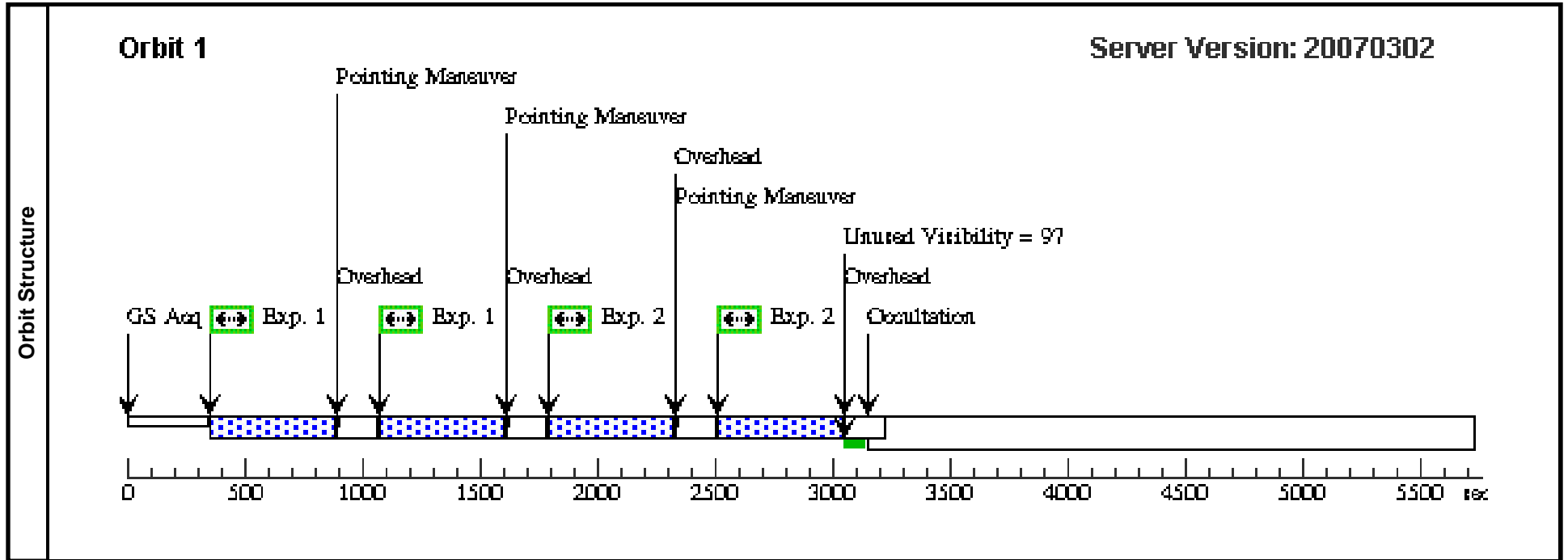
<b>Visit</b>	<b>Proposal 10809, Visit 05, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC Special Requirements: ORIENT 270.0D TO 290.0 D Comments: <i>ORIENT avoids bleeding of bright stars across galaxy pair.</i>									
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>			<b>Secondary Pattern</b>			<b>Exposures</b>	
(1)		Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=false					(1), (2)		
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>	<b>Miscellaneous</b>			
	(5)	4-1975	RA: 14 26 43.2000 (216.6800000d) Dec: +34 28 53.30 (34.48147d) Equinox: J2000			V=16.0	Reference Frame: ICRS			
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1		(5) 4-1975	ACS/WFC, ACCUM, WFC1	F606W	CR-SPLIT=NO		Pattern 1-1 (1)	400.0 Secs	
									[=>514.0 Secs (Pattern 1)]	[1]
									[=>514.0 Secs (Pattern 2)]	
2		(5) 4-1975	ACS/WFC, ACCUM, WFC1	F814W	CR-SPLIT=NO			Pattern 2-2 (1)	400.0 Secs	
									[=>514.0 Secs (Pattern 1)]	[1]
									[=>514.0 Secs (Pattern 2)]	



Proposal 10809 - Visit 06 - The nature of "dry" mergers in the nearby Universe

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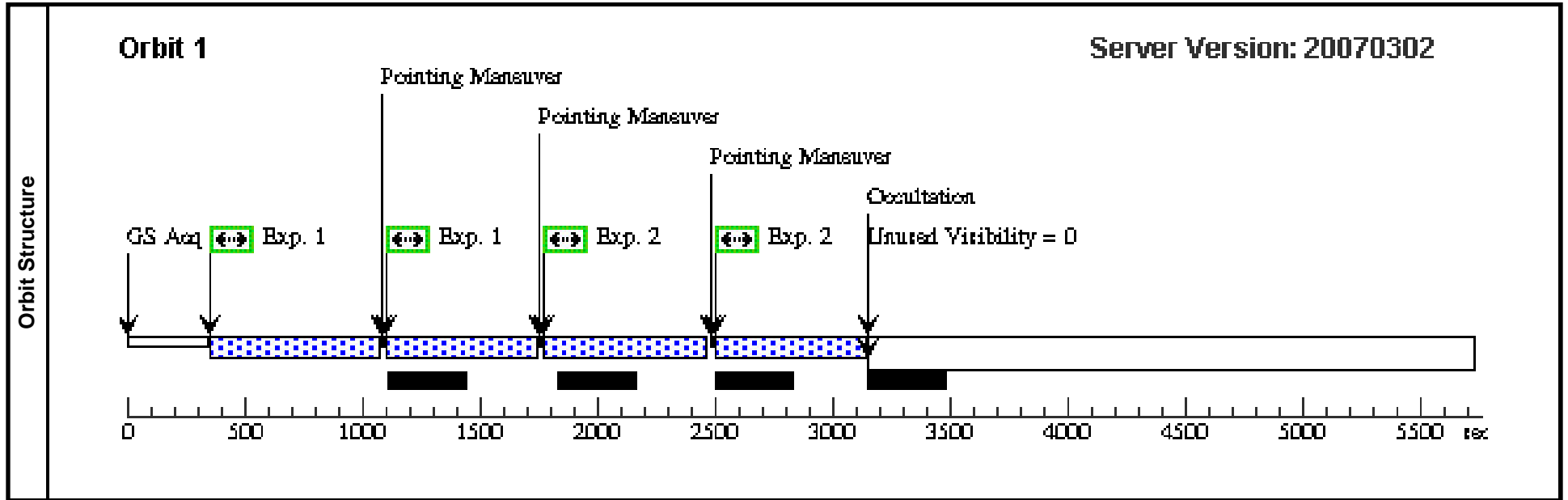
<b>Visit</b>	<b>Proposal 10809, Visit 06, scheduling</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFPC2 Special Requirements: (none)									
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			<b>Exposures</b>
(2)		Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.704 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45 Angle Between Sides= Center Pattern=false						(1), (2)	
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(6)	11-962	RA: 14 29 9.7000 (217.2904167d) Dec: +34 52 13.20 (34.87033d) Equinox: J2000		V=16.0	Reference Frame: ICRS				
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1	(6) 11-962	WFPC2, IMAGE, PC1	F606W				Pattern 1-1 (2)	400.0 Secs	
									[=>400.0 Secs (Pattern 1)]	[1]
									[=>400.0 Secs (Pattern 2)]	
2	(6) 11-962	WFPC2, IMAGE, PC1	F814W					Pattern 2-2 (2)	400.0 Secs	
									[=>400.0 Secs (Pattern 1)]	[1]
									[=>400.0 Secs (Pattern 2)]	



Proposal 10809 - Visit 07 - The nature of "dry" mergers in the nearby Universe

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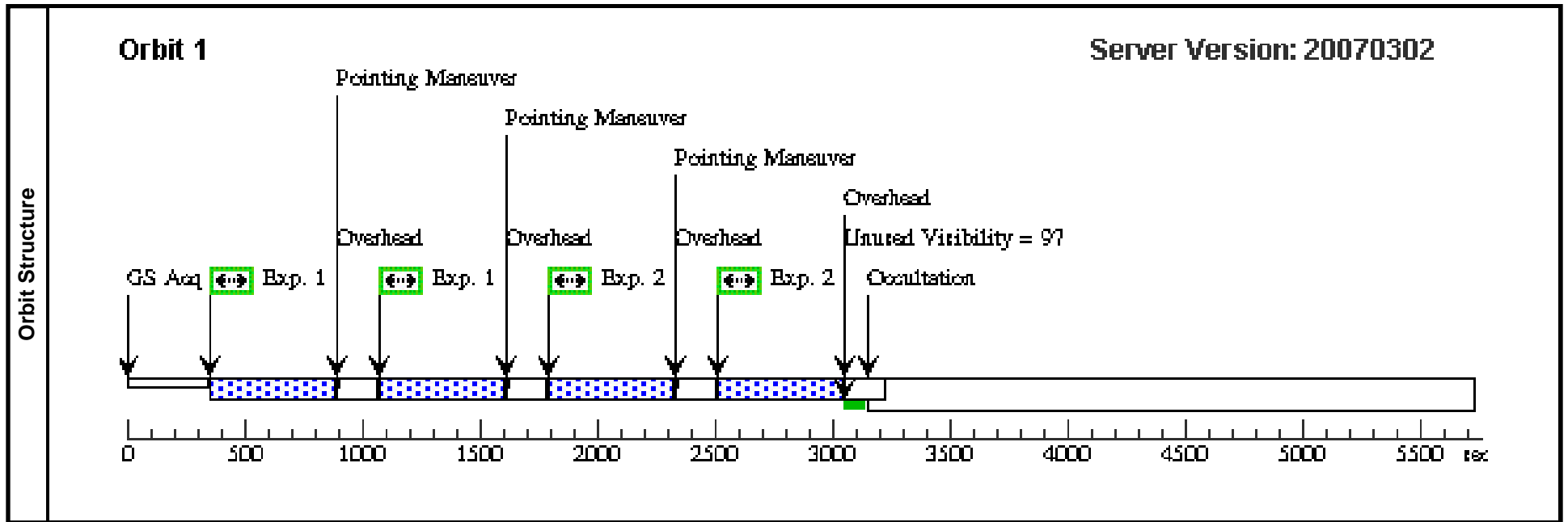
<b>Visit</b>	<b>Proposal 10809, Visit 07, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC Special Requirements: (none)									
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>			<b>Secondary Pattern</b>			<b>Exposures</b>	
(1)		Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=false					(1), (2)		
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>	<b>Miscellaneous</b>			
	(7)	14-1401	RA: 14 31 34.8000 (217.8950000d) Dec: +33 06 18.50 (33.10514d) Equinox: J2000			V=16.0	Reference Frame: ICRS			
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1		(7) 14-1401	ACS/WFC, ACCUM, WFC1	F606W	CR-SPLIT=NO		Pattern 1-1 (1)	400.0 Secs	
									[=>514.0 Secs (Pattern 1)]	[1]
									[=>514.0 Secs (Pattern 2)]	
2		(7) 14-1401	ACS/WFC, ACCUM, WFC1	F814W	CR-SPLIT=NO			Pattern 2-2 (1)	400.0 Secs	
									[=>514.0 Secs (Pattern 1)]	[1]
									[=>514.0 Secs (Pattern 2)]	



Proposal 10809 - Visit 08 - The nature of "dry" mergers in the nearby Universe

Tue Mar 20 01:06:04 GMT 2007

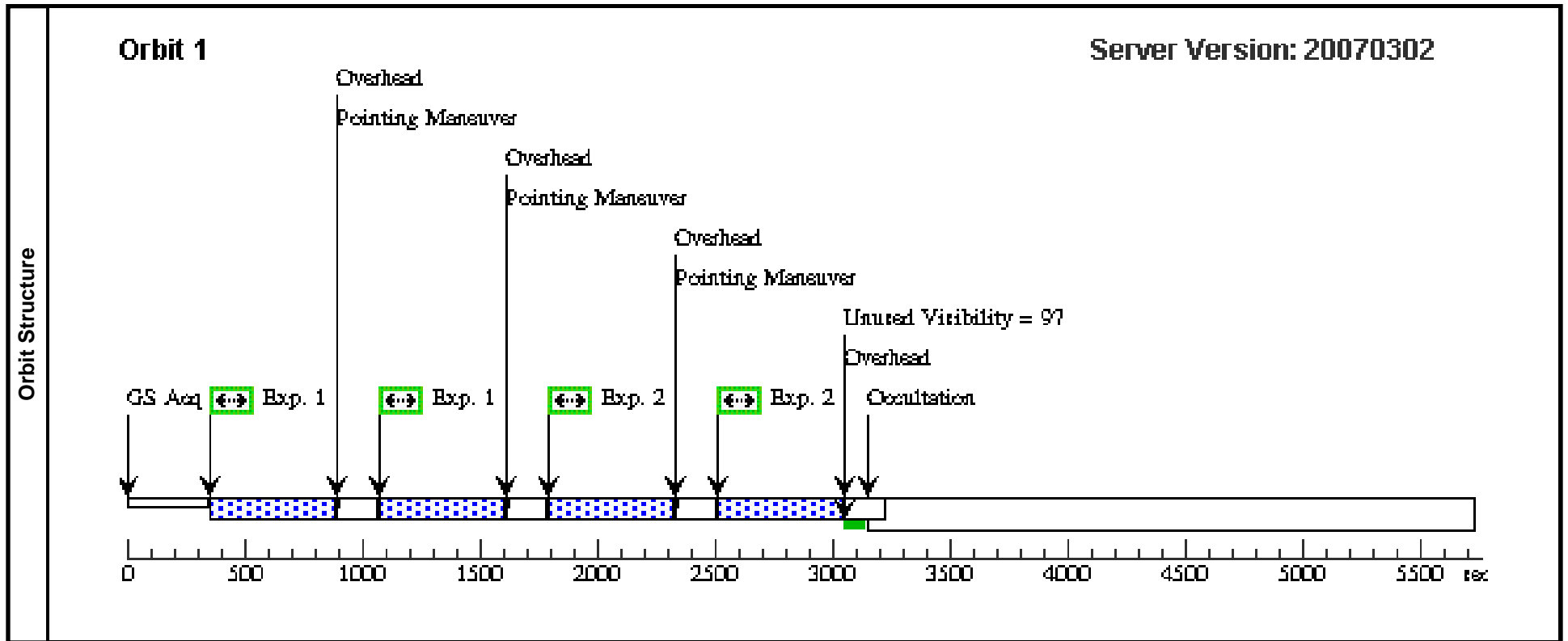
<b>Visit</b>	<b>Proposal 10809, Visit 08, scheduling</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFPC2 Special Requirements: (none) <i>Comments: For this visit the object is placed on the WF2 chip rather than the PC chip, as it is a double galaxy and both components do not fit on the PC chip.</i>									
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			
(2)		Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.704 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45 Angle Between Sides= Center Pattern=false					(1), (2)		
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>	<b>Miscellaneous</b>			
	(8)	17-596+681	RA: 14 31 54.6500 (217.9777083d) Dec: +34 42 25.60 (34.70711d) Equinox: J2000			V=16.0	Reference Frame: ICRS			
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1		(8) 17-596+681	WFPC2, IMAGE, WF2	F606W			Pattern 1-1 (2)	400.0 Secs	
									[=>400.0 Secs (Pattern 1)]	[1]
									[=>400.0 Secs (Pattern 2)]	
2		(8) 17-596+681	WFPC2, IMAGE, WF2	F814W				Pattern 2-2 (2)	400.0 Secs	
									[=>400.0 Secs (Pattern 1)]	[1]
									[=>400.0 Secs (Pattern 2)]	



Proposal 10809 - Visit 09 - The nature of "dry" mergers in the nearby Universe

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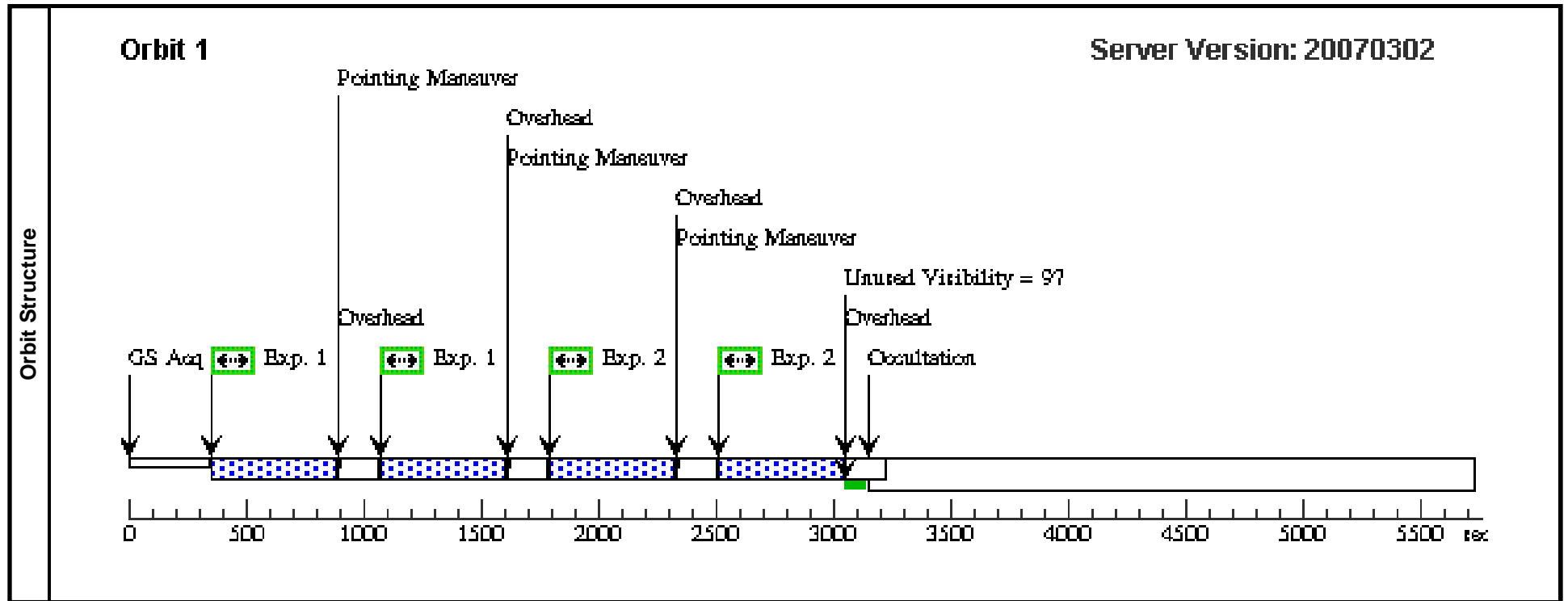
<b>Visit</b>	<b>Proposal 10809, Visit 09, scheduling</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFPC2 Special Requirements: (none)									
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			
(2)		Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.704 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45 Angle Between Sides= Center Pattern=false					(1), (2)		
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(9)	19-2206	RA: 14 35 41.8000 (218.9241667d) Dec: +33 08 20.10 (33.13892d) Equinox: J2000		V=16.0	Reference Frame: ICRS				
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1		(9) 19-2206	WFPC2, IMAGE, PC1	F606W			Pattern 1-1 (2)	400.0 Secs	
									[=>400.0 Secs (Pattern 1)]	[1]
									[=>400.0 Secs (Pattern 2)]	
2		(9) 19-2206	WFPC2, IMAGE, PC1	F814W				Pattern 2-2 (2)	400.0 Secs	
									[=>400.0 Secs (Pattern 1)]	[1]
									[=>400.0 Secs (Pattern 2)]	



Proposal 10809 - Visit 10 - The nature of "dry" mergers in the nearby Universe

Tue Mar 20 01:06:05 GMT 2007

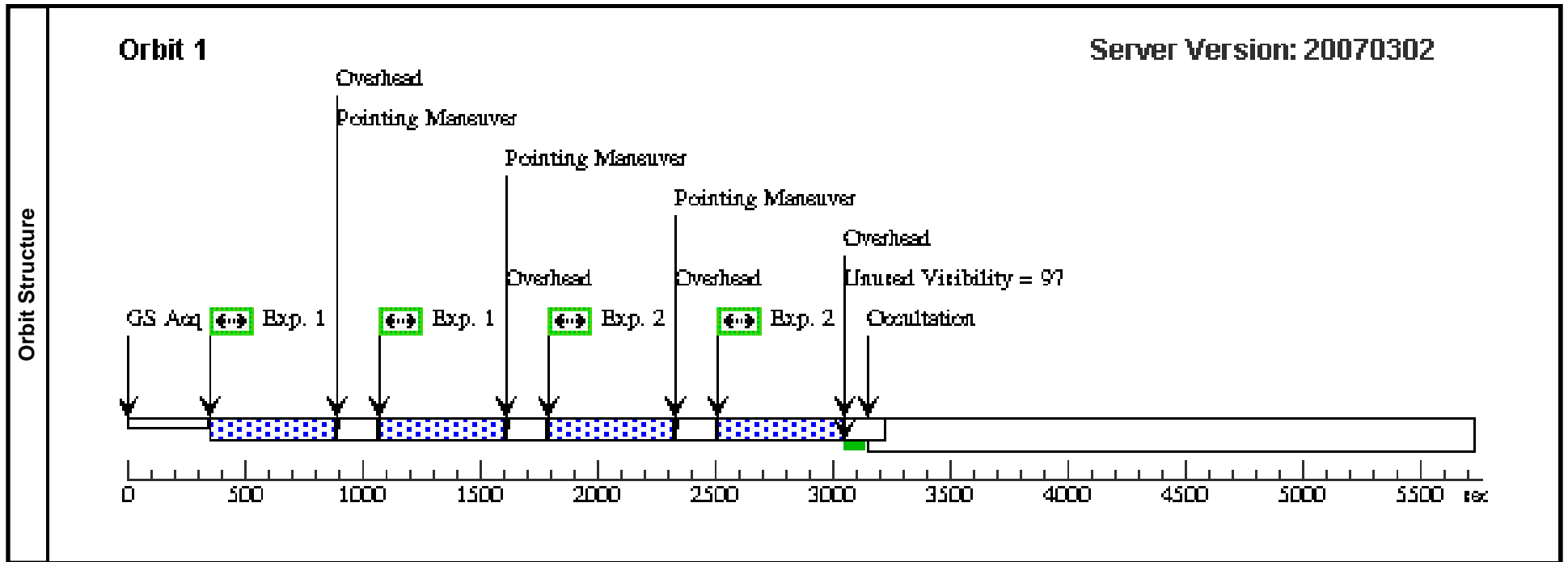
<b>Visit</b>	<b>Proposal 10809, Visit 10, scheduling</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFPC2 Special Requirements: (none)									
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			
(2)		Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.704 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45 Angle Between Sides= Center Pattern=false					(1), (2)		
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(10)	22-2252	RA: 14 33 37.5000 (218.4062500d) Dec: +34 58 23.20 (34.97311d) Equinox: J2000		V=16.0	Reference Frame: ICRS				
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1		(10) 22-2252	WFPC2, IMAGE, PC1	F606W			Pattern 1-1 (2)	400.0 Secs	
									[=>400.0 Secs (Pattern 1)]	[1]
									[=>400.0 Secs (Pattern 2)]	
2		(10) 22-2252	WFPC2, IMAGE, PC1	F814W				Pattern 2-2 (2)	400.0 Secs	
									[=>400.0 Secs (Pattern 1)]	[1]
									[=>400.0 Secs (Pattern 2)]	



Proposal 10809 - Visit 11 - The nature of "dry" mergers in the nearby Universe

Tue Mar 20 01:06:06 GMT 2007

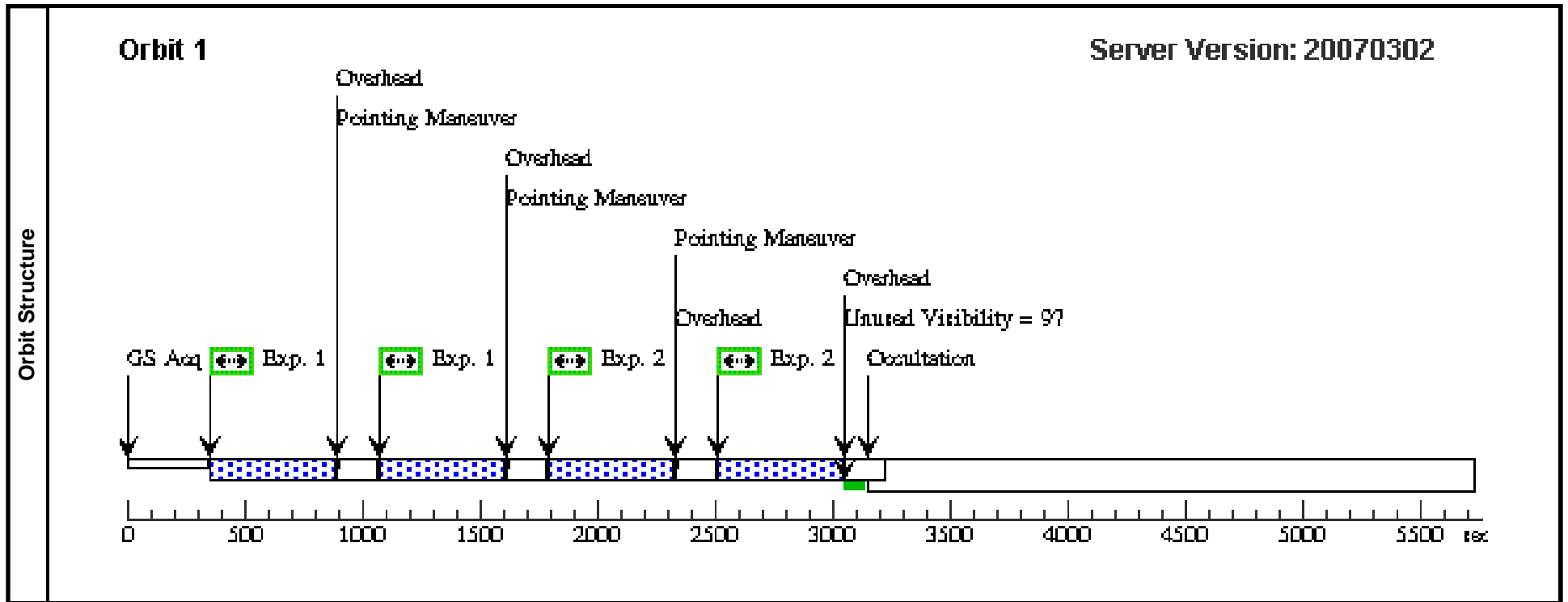
<b>Visit</b>	<b>Proposal 10809, Visit 11, scheduling</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFPC2 Special Requirements: (none) <i>Comments: Objects placed on WF2, not PC: this allows two objects to be observed at once, without ORIENT constraints.</i>									
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			<b>Exposures</b>
(2)		Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.704 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45 Angle Between Sides= Center Pattern=false						(1), (2)	
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>	<b>Miscellaneous</b>			
	(11)	17-2031+2134	RA: 14 30 47.5500 (217.6981250d) Dec: +34 55 36.30 (34.92675d) Equinox: J2000			V=16.0	Reference Frame: ICRS			
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1		(11) 17-2031+2134	WFPC2, IMAGE, WF2	F606W			Pattern 1-1 (2)	400.0 Secs	
									[=>400.0 Secs (Pattern 1)]	[1]
									[=>400.0 Secs (Pattern 2)]	
2		(11) 17-2031+2134	WFPC2, IMAGE, WF2	F814W				Pattern 2-2 (2)	400.0 Secs	
									[=>400.0 Secs (Pattern 1)]	[1]
									[=>400.0 Secs (Pattern 2)]	



Proposal 10809 - Visit 12 - The nature of "dry" mergers in the nearby Universe

Tue Mar 20 01:06:06 GMT 2007

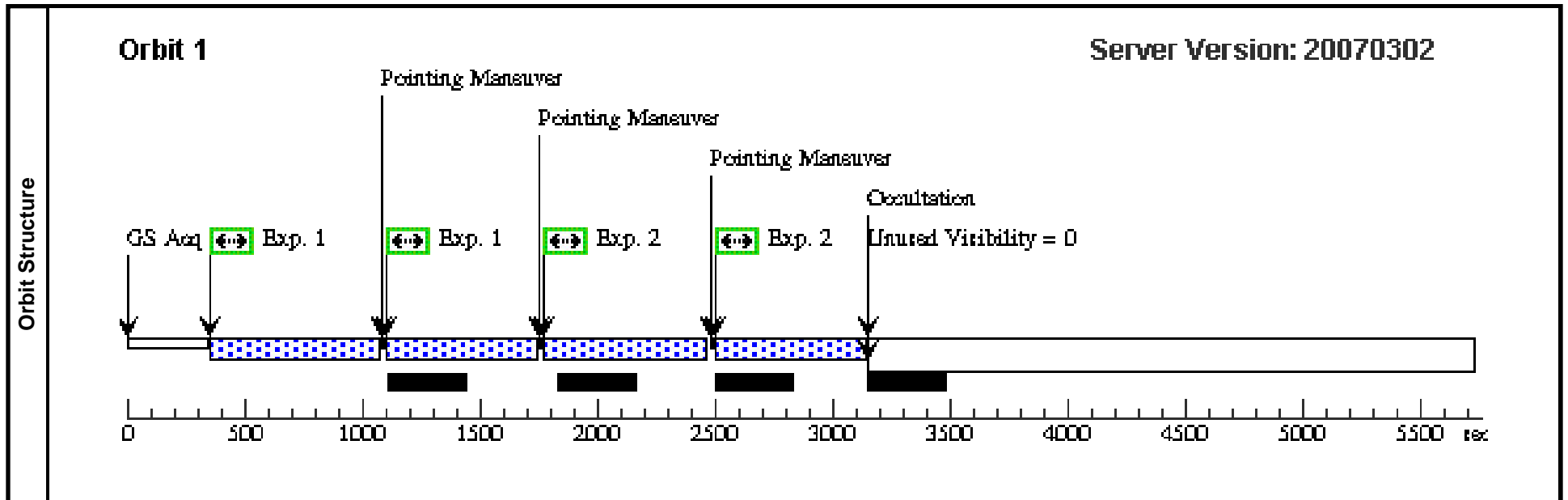
<b>Visit</b>	<b>Proposal 10809, Visit 12, scheduling</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFPC2 Special Requirements: ORIENT 0.0D TO 260.0 D; ORIENT 330.0D TO 359.0 D <i>Comments: ORIENT constraint to have two objects in the field.</i>										
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			<b>Exposures</b>	
(2)		Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.704 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45 Angle Between Sides= Center Pattern=false						(1), (2)		
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(12)	25-1977+1980+2124	RA: 14 37 7.0600 (219.2794167d) Dec: +34 18 51.00 (34.31417d) Equinox: J2000				V=16.0	Reference Frame: ICRS			
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>		<b>Orbit</b>
	1		(12) 25-1977+1980+2124	WFPC2, IMAGE, PC1	F606W			Pattern 1-1 (2)	400.0 Secs		
									[=>400.0 Secs (Pattern 1)]		[1]
									[=>400.0 Secs (Pattern 2)]		
2		(12) 25-1977+1980+2124	WFPC2, IMAGE, PC1	F814W				Pattern 2-2 (2)	400.0 Secs		
									[=>400.0 Secs (Pattern 1)]		[1]
									[=>400.0 Secs (Pattern 2)]		



Proposal 10809 - Visit 13 - The nature of "dry" mergers in the nearby Universe

Tue Mar 20 01:06:07 GMT 2007

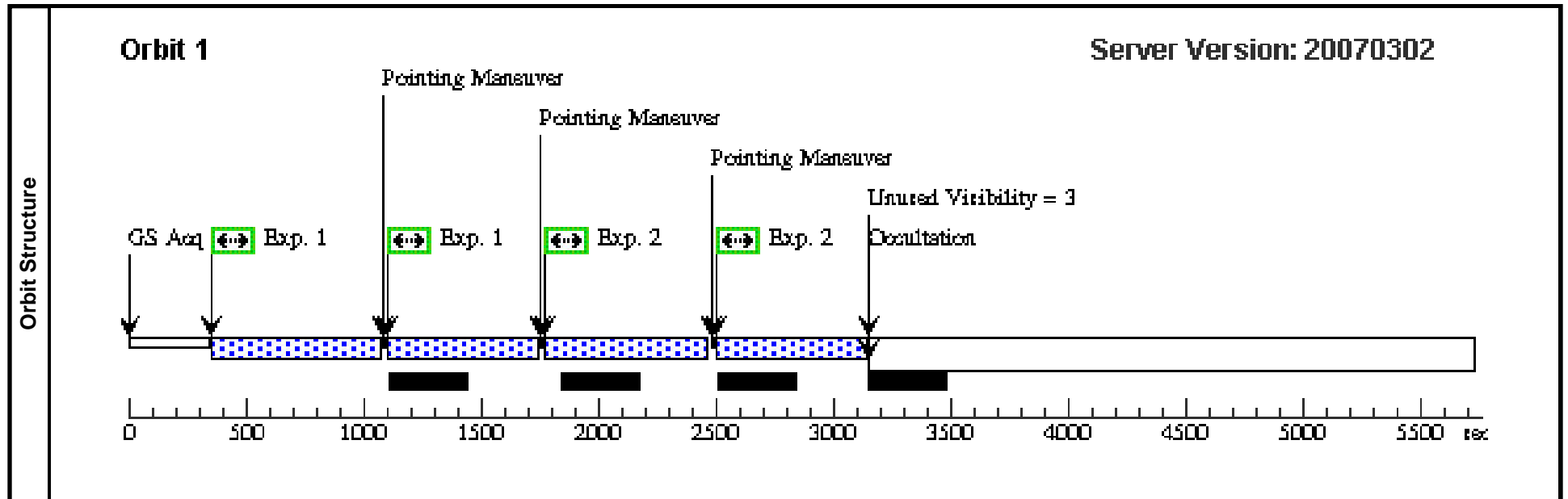
<b>Visit</b>	<b>Proposal 10809, Visit 13, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC Special Requirements: (none)									
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>			<b>Secondary Pattern</b>			<b>Exposures</b>	
(1)		Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=false					(1), (2)		
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(13)	16-1302	RA: 14 30 55.7000 (217.7320833d) Dec: +34 14 28.20 (34.24117d) Equinox: J2000		V=16.0	Reference Frame: ICRS				
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1		(13) 16-1302	ACS/WFC, ACCUM, WFC1	F606W	CR-SPLIT=NO		Pattern 1-1 (1)	400.0 Secs	
									[==>514.0 Secs (Pattern 1)]	[1]
									[==>514.0 Secs (Pattern 2)]	
2		(13) 16-1302	ACS/WFC, ACCUM, WFC1	F814W	CR-SPLIT=NO			Pattern 2-2 (1)	400.0 Secs	
									[==>514.0 Secs (Pattern 1)]	[1]
									[==>514.0 Secs (Pattern 2)]	



Proposal 10809 - Visit 14 - The nature of "dry" mergers in the nearby Universe

Tue Mar 20 01:06:08 GMT 2007

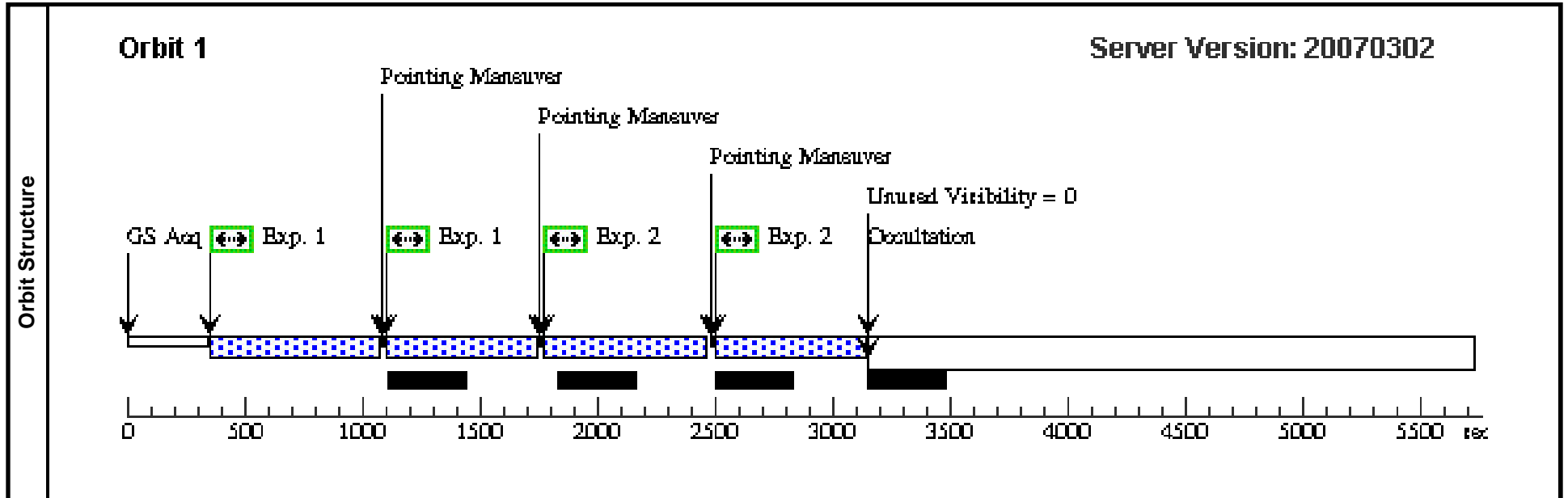
<b>Visit</b>	<b>Proposal 10809, Visit 14, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC Special Requirements: (none)									
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>			<b>Secondary Pattern</b>			<b>Exposures</b>	
(1)		Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=false					(1), (2)		
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>	<b>Miscellaneous</b>			
	(14)	27-3444	RA: 14 37 20.3000 (219.3345833d) Dec: +35 38 16.70 (35.63797d) Equinox: J2000			V=16.0	Reference Frame: ICRS			
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1		(14) 27-3444	ACS/WFC, ACCUM, WFC1	F606W	CR-SPLIT=NO		Pattern 1-1 (1)	400.0 Secs	
									[=>515.0 Secs (Pattern 1)]	[1]
									[=>515.0 Secs (Pattern 2)]	
2		(14) 27-3444	ACS/WFC, ACCUM, WFC1	F814W	CR-SPLIT=NO			Pattern 2-2 (1)	400.0 Secs	
									[=>515.0 Secs (Pattern 1)]	[1]
									[=>515.0 Secs (Pattern 2)]	



Proposal 10809 - Visit 15 - The nature of "dry" mergers in the nearby Universe

Tue Mar 20 01:06:08 GMT 2007

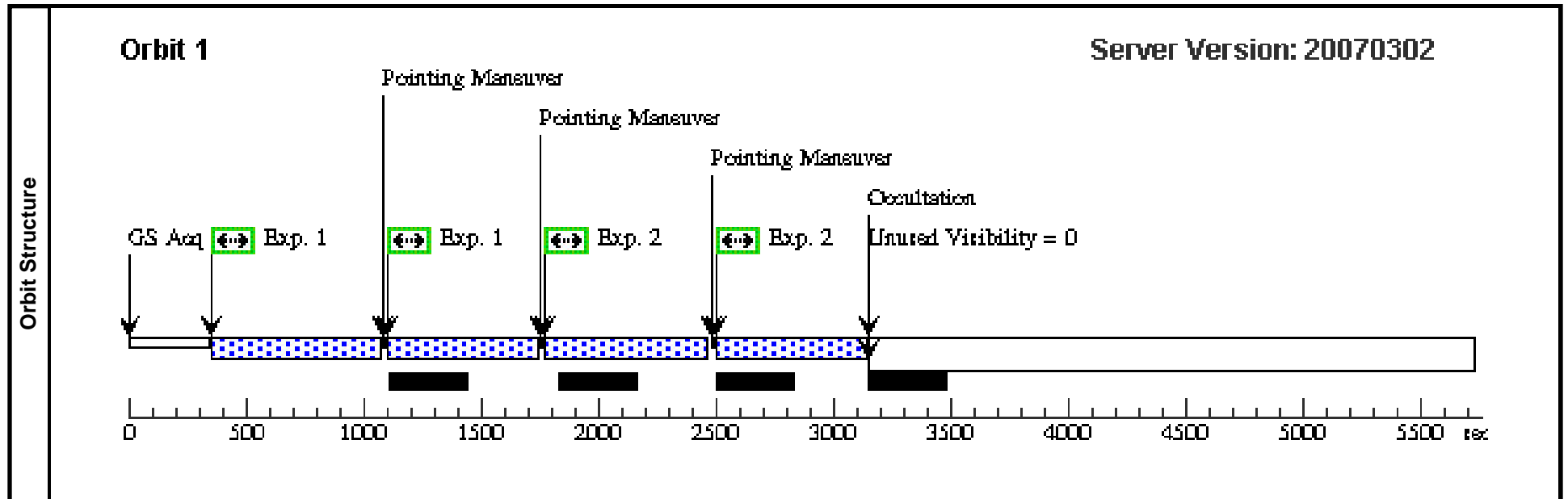
<b>Visit</b>	<b>Proposal 10809, Visit 15, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC Special Requirements: (none)									
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>			<b>Secondary Pattern</b>			<b>Exposures</b>	
(1)		Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=false					(1), (2)		
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>	<b>Miscellaneous</b>			
	(15)	11-1014	RA: 14 29 26.8000 (217.3616667d) Dec: +34 53 8.80 (34.88578d) Equinox: J2000			V=16.0	Reference Frame: ICRS			
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1		(15) 11-1014	ACS/WFC, ACCUM, WFC1	F606W	CR-SPLIT=NO		Pattern 1-1 (1)	400.0 Secs	
									[=>514.0 Secs (Pattern 1)]	[1]
									[=>514.0 Secs (Pattern 2)]	
2		(15) 11-1014	ACS/WFC, ACCUM, WFC1	F814W	CR-SPLIT=NO			Pattern 2-2 (1)	400.0 Secs	
									[=>514.0 Secs (Pattern 1)]	[1]
									[=>514.0 Secs (Pattern 2)]	



Proposal 10809 - Visit 16 - The nature of "dry" mergers in the nearby Universe

Tue Mar 20 01:06:09 GMT 2007

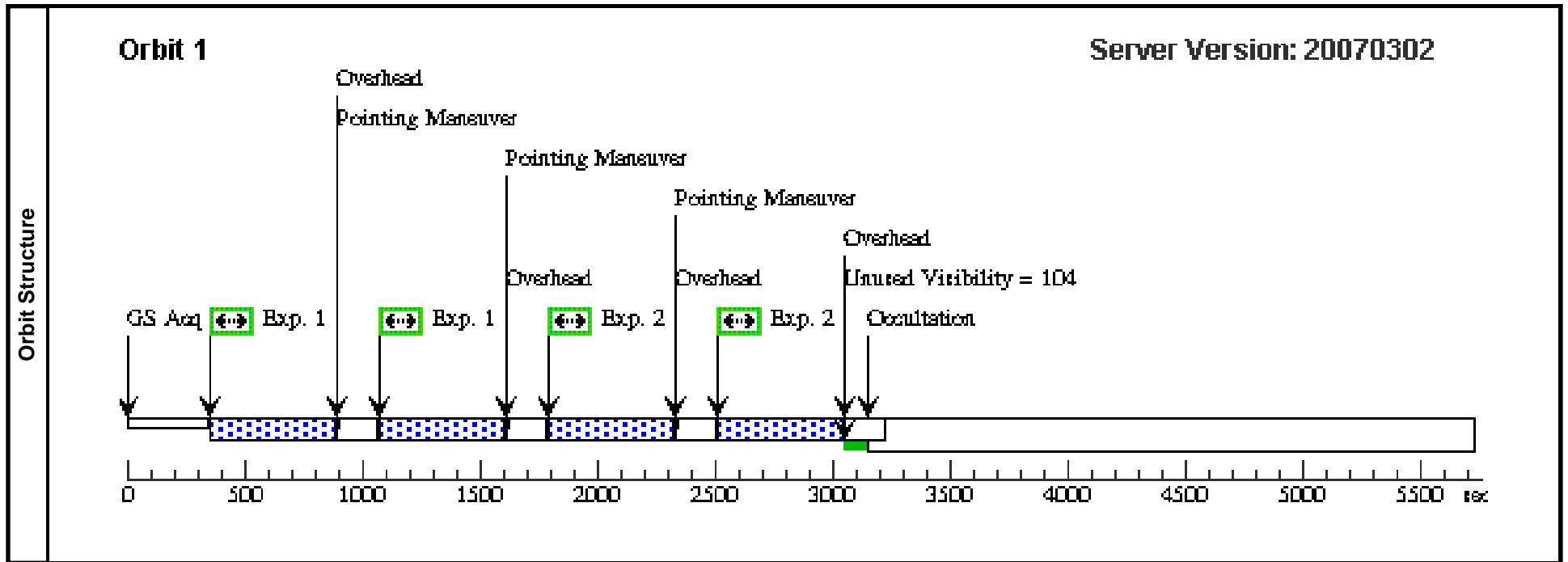
<b>Visit</b>	<b>Proposal 10809, Visit 16, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC Special Requirements: (none)									
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>			<b>Secondary Pattern</b>			<b>Exposures</b>	
(1)		Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=false					(1), (2)		
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>	<b>Miscellaneous</b>			
	(16)	9-2105	RA: 14 29 19.2000 (217.3300000d) Dec: +33 48 58.00 (33.81611d) Equinox: J2000			V=16.0	Reference Frame: ICRS			
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1		(16) 9-2105	ACS/WFC, ACCUM, WFC1	F606W	CR-SPLIT=NO		Pattern 1-1 (1)	400.0 Secs	
									[==>514.0 Secs (Pattern 1)]	[1]
									[==>514.0 Secs (Pattern 2)]	
2		(16) 9-2105	ACS/WFC, ACCUM, WFC1	F814W	CR-SPLIT=NO			Pattern 2-2 (1)	400.0 Secs	
									[==>514.0 Secs (Pattern 1)]	[1]
									[==>514.0 Secs (Pattern 2)]	



Proposal 10809 - Visit 17 - The nature of "dry" mergers in the nearby Universe

Tue Mar 20 01:06:10 GMT 2007

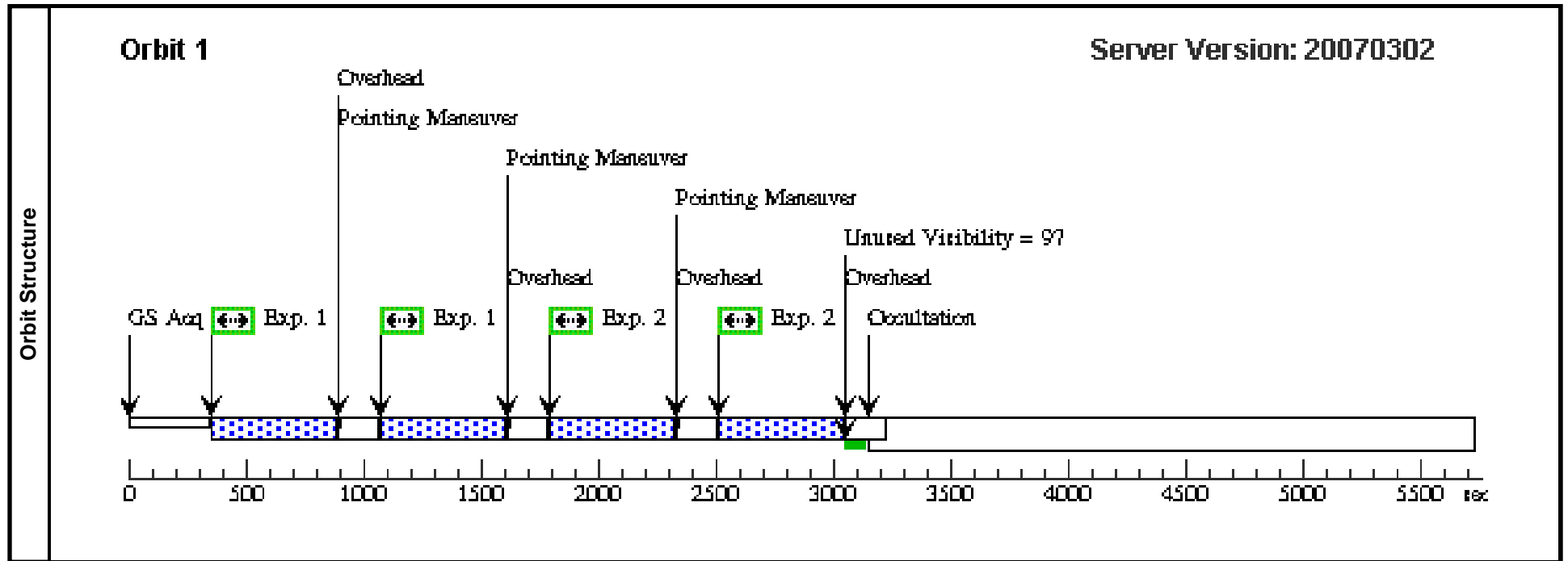
<b>Visit</b>	<b>Proposal 10809, Visit 17, scheduling</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFPC2 Special Requirements: (none)									
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			<b>Exposures</b>
(2)		Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.704 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45 Angle Between Sides= Center Pattern=false						(1), (2)	
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(17)	23-1585	RA: 14 33 12.2000 (218.3008333d) Dec: +35 30 4.80 (35.50133d) Equinox: J2000		V=16.0	Reference Frame: ICRS				
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1		(17) 23-1585	WFPC2, IMAGE, PC1	F606W			Pattern 1-1 (2)	400.0 Secs	
									[=>400.0 Secs (Pattern 1)]	[1]
									[=>400.0 Secs (Pattern 2)]	
2		(17) 23-1585	WFPC2, IMAGE, PC1	F814W				Pattern 2-2 (2)	400.0 Secs	
									[=>400.0 Secs (Pattern 1)]	[1]
									[=>400.0 Secs (Pattern 2)]	



Proposal 10809 - Visit 18 - The nature of "dry" mergers in the nearby Universe

Tue Mar 20 01:06:11 GMT 2007

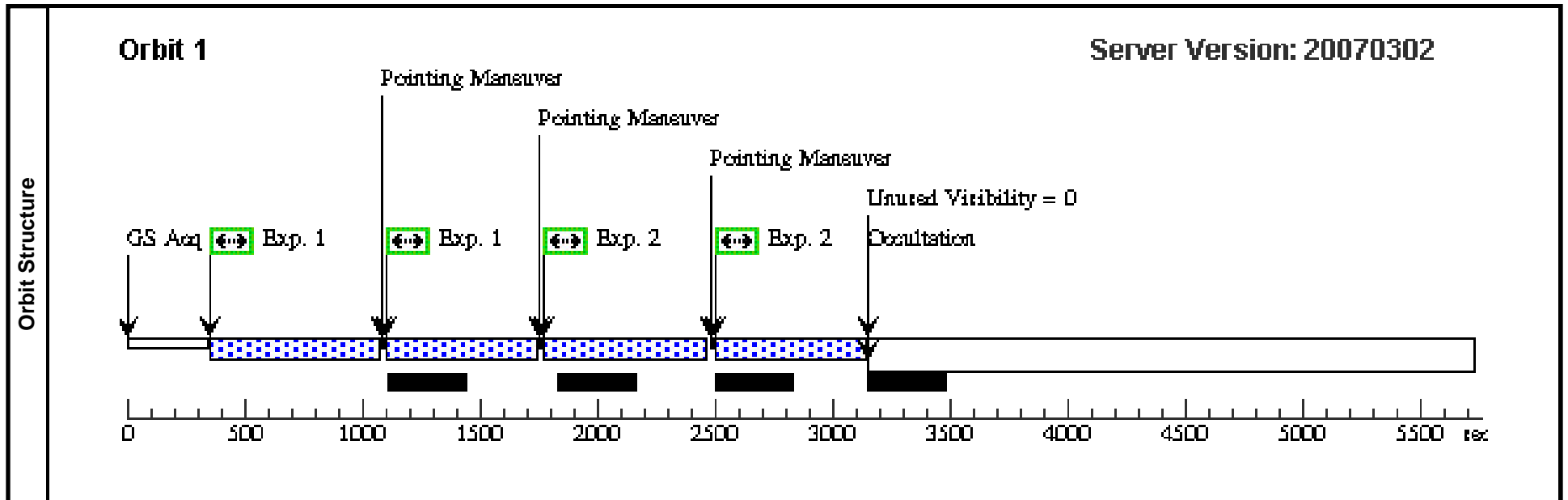
<b>Visit</b>	<b>Proposal 10809, Visit 18, scheduling</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFPC2 Special Requirements: (none)									
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			
(2)		Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.704 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45 Angle Between Sides= Center Pattern=false					(1), (2)		
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(18)	22-790	RA: 14 33 27.1000 (218.3629167d) Dec: +34 43 42.10 (34.72836d) Equinox: J2000		V=16.0	Reference Frame: ICRS				
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1	(18) 22-790	WFPC2, IMAGE, PC1	F606W				Pattern 1-1 (2)	400.0 Secs	
									[=>400.0 Secs (Pattern 1)]	[1]
									[=>400.0 Secs (Pattern 2)]	
2	(18) 22-790	WFPC2, IMAGE, PC1	F814W					Pattern 2-2 (2)	400.0 Secs	
									[=>400.0 Secs (Pattern 1)]	[1]
									[=>400.0 Secs (Pattern 2)]	



Proposal 10809 - Visit 19 - The nature of "dry" mergers in the nearby Universe

Tue Mar 20 01:06:12 GMT 2007

<b>Visit</b>	<b>Proposal 10809, Visit 19, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC Special Requirements: (none)									
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>			<b>Secondary Pattern</b>			<b>Exposures</b>	
(1)		Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=false					(1), (2)		
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(19)	3-601	RA: 14 27 3.5000 (216.7645833d) Dec: +33 33 51.80 (33.56439d) Equinox: J2000		V=16.0	Reference Frame: ICRS				
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1		(19) 3-601	ACS/WFC, ACCUM, WFC1	F606W	CR-SPLIT=NO		Pattern 1-1 (1)	400.0 Secs	
									[=>514.0 Secs (Pattern 1)]	[1]
									[=>514.0 Secs (Pattern 2)]	
2		(19) 3-601	ACS/WFC, ACCUM, WFC1	F814W	CR-SPLIT=NO			Pattern 2-2 (1)	400.0 Secs	
									[=>514.0 Secs (Pattern 1)]	[1]
									[=>514.0 Secs (Pattern 2)]	



Proposal 10809 - Visit 20 - The nature of "dry" mergers in the nearby Universe

Tue Mar 20 01:06:12 GMT 2007

<b>Visit</b>	<b>Proposal 10809, Visit 20, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC Special Requirements: (none)									
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>			<b>Secondary Pattern</b>			<b>Exposures</b>	
(1)		Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=false					(1), (2)		
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(20)	9-360	RA: 14 28 29.6000 (217.1233333d) Dec: +33 29 53.80 (33.49828d) Equinox: J2000		V=16.0	Reference Frame: ICRS				
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1		(20) 9-360	ACS/WFC, ACCUM, WFC1	F606W	CR-SPLIT=NO		Pattern 1-1 (1)	400.0 Secs	
									[==>514.0 Secs (Pattern 1)]	[1]
									[==>514.0 Secs (Pattern 2)]	
2		(20) 9-360	ACS/WFC, ACCUM, WFC1	F814W	CR-SPLIT=NO			Pattern 2-2 (1)	400.0 Secs	
									[==>514.0 Secs (Pattern 1)]	[1]
									[==>514.0 Secs (Pattern 2)]	

