



10582 - Probing The Galaxy-wide Globular Cluster - Low Mass X-ray Binary Connection in Early-type Galaxies

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) NGC-4697-FIELD-1	ACS/WFC	1	16-May-2006 21:00:59.0	yes
51	(1) NGC-4697-FIELD-1	ACS/WFC	1	16-May-2006 21:01:05.0	yes
02	(2) NGC-4697-FIELD-2	ACS/WFC	1	16-May-2006 21:01:09.0	yes
03	(3) NGC-4697-FIELD-3	ACS/WFC	1	16-May-2006 21:01:13.0	yes
04	(4) NGC-4697-FIELD-4	ACS/WFC	1	16-May-2006 21:01:16.0	yes
05	(5) NGC-4697-FIELD-5	ACS/WFC	1	16-May-2006 21:01:20.0	yes
06	(6) NGC-4697-FIELD-6	ACS/WFC	1	16-May-2006 21:01:24.0	yes
07	(7) NGC-4365-FIELD-1	ACS/WFC	1	16-May-2006 21:01:27.0	yes

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<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>
08	(8) NGC-4365-FIELD-2	ACS/WFC	1	16-May-2006 21:01:31.0	yes
09	(9) NGC-4365-FIELD-3	ACS/WFC	1	16-May-2006 21:01:34.0	yes
10	(10) NGC-4365-FIELD-4	ACS/WFC	1	16-May-2006 21:01:38.0	yes
11	(11) NGC-4365-FIELD-5	ACS/WFC	1	16-May-2006 21:01:41.0	yes
12	(12) NGC-4365-FIELD-6	ACS/WFC	1	16-May-2006 21:01:45.0	yes

13 Total Orbits Used

ABSTRACT

The combination of high-resolution imaging from Hubble (HST) and Chandra (CXO) has completely revolutionized our understanding of extragalactic low-mass X-ray binaries (LMXBs) and globular clusters (GCs); however, studies have been limited by short X-ray exposures and relatively small fields. NGC 4697 and NGC 4365 are relatively simple elliptical galaxies in the X-ray that will have deep CXO observations. We propose ACS observations in six flanking fields per galaxy to provide a study of the GC-LMXB connection in normal early-type galaxies with unprecedented depth, spatial resolution and areal coverage. Combined with existing central field observations, we will detect ~900 and ~2700 GCs in most of NGC 4697 and all of NGC 4365. These two galaxies will have the greatest number of detected GC-LMXBs to date (~70 & 120). We will measure the fraction of LMXBs found in GCs, and the fraction of GCs which contain LMXBs, as a function of X-ray luminosity, galactocentric distance, color, GC half-light radius, and local GC specific frequency. We will test existing models of GC formation/evolution and LMXB formation/evolution. Using the radial profile of optical light, GCs, and LMXBs, we will determine the percentage of field LMXBs which may have originated in GCs.

OBSERVING DESCRIPTION

Our science goal is to obtain a nearly complete census of globular clusters in NGC 4697 and NGC 4365, and make comparisons to the low-mass X-ray binary population using the ACS/WFC. For each galaxy, we will combine six new flanking fields with an existing central field to cover the

Proposal 10582 - Overview

isophotal 25 mag arcsec⁻² surface. We will observe the fields in the F475W (730s total exposure with a 2-point hot pixel dither pattern) and F850LP (1260s total exposure with a 3-point sub-pixel dither pattern). Our chosen dither patterns optimize the rejection of hot pixels and cosmic rays while maximizing total exposure time. Each flanking field is performed in one orbit. Orientation angle restrictions have been applied to maximize field coverage under 2-gyro pointing, while retaining sufficient overlap for astrometric registration of the fields. Combined with the exposure requirements, each galaxy is schedulable for ~20 days.

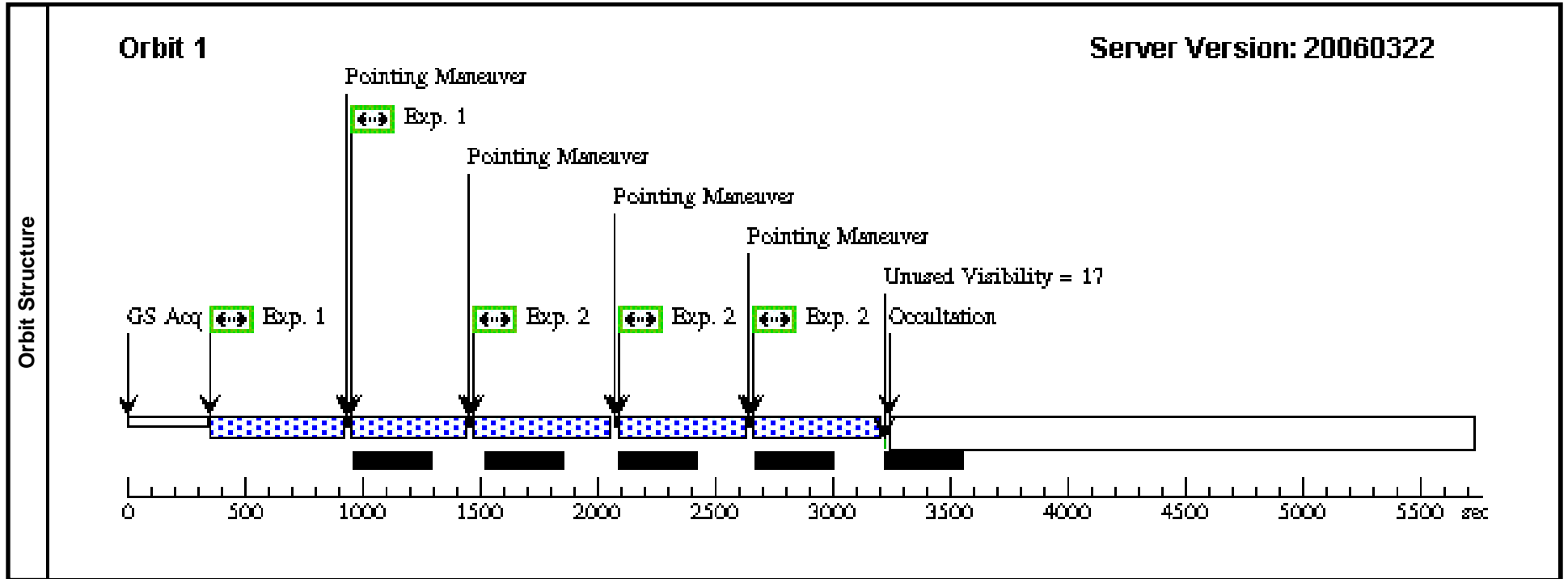
ADDITIONAL COMMENTS

For each galaxy, it is preferred that the mosaiced visits share the same orientation angle when possible. If scheduling the observations with the current orientation angle restrictions proves too difficult, the field pointings can be changed to allow for a wider range of orientation angles at the cost of spatial coverage. Small decreases to the exposure times could also be used to increase schedulability.

Proposal 10582 - Visit 01 - Probing The Galaxy-wide Globular Cluster - Low Mass X-ray Binary Connection in Early-type Galaxies

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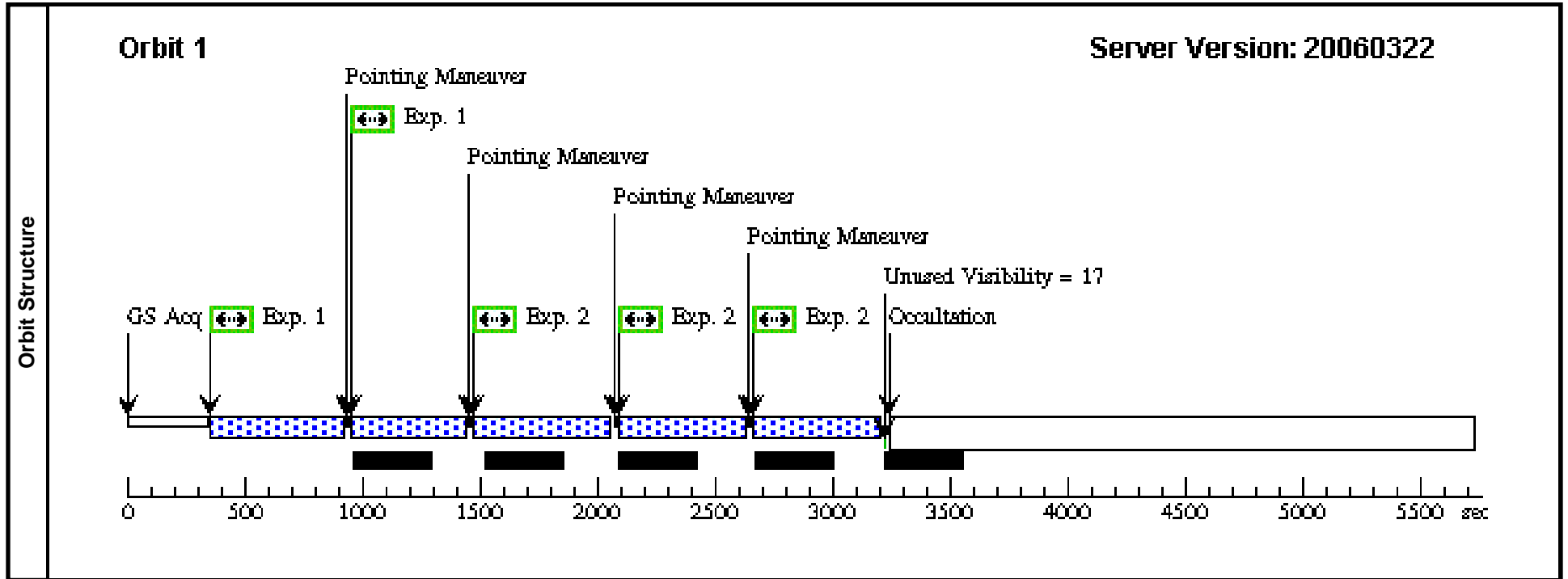
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Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	NGC-4697-FIELD-1	RA: 12 48 26.4280 (192.1101167d) Dec: -05 45 54.48 (-5.76513d) Equinox: J2000 Plate Id: 024P		V=(?) V=23.0, magnitude is that of a typical globular cluster in NGC 4697	Coordinate Source: HST_IMAGE				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	NGC4697_F 475W_1	(1) NGC-4697-FIELD-1	ACS/WFC, ACCUM, WFC	F475W	CR-SPLIT=NO			Pattern 1-1 (1)	365.0 Secs [=>(Pattern 1)] [=>(Pattern 2)]
	2	NGC4697_F 4850LP_1	(1) NGC-4697-FIELD-1	ACS/WFC, ACCUM, WFC	F850LP	CR-SPLIT=NO		Pattern 2-2 (2)	420.0 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]



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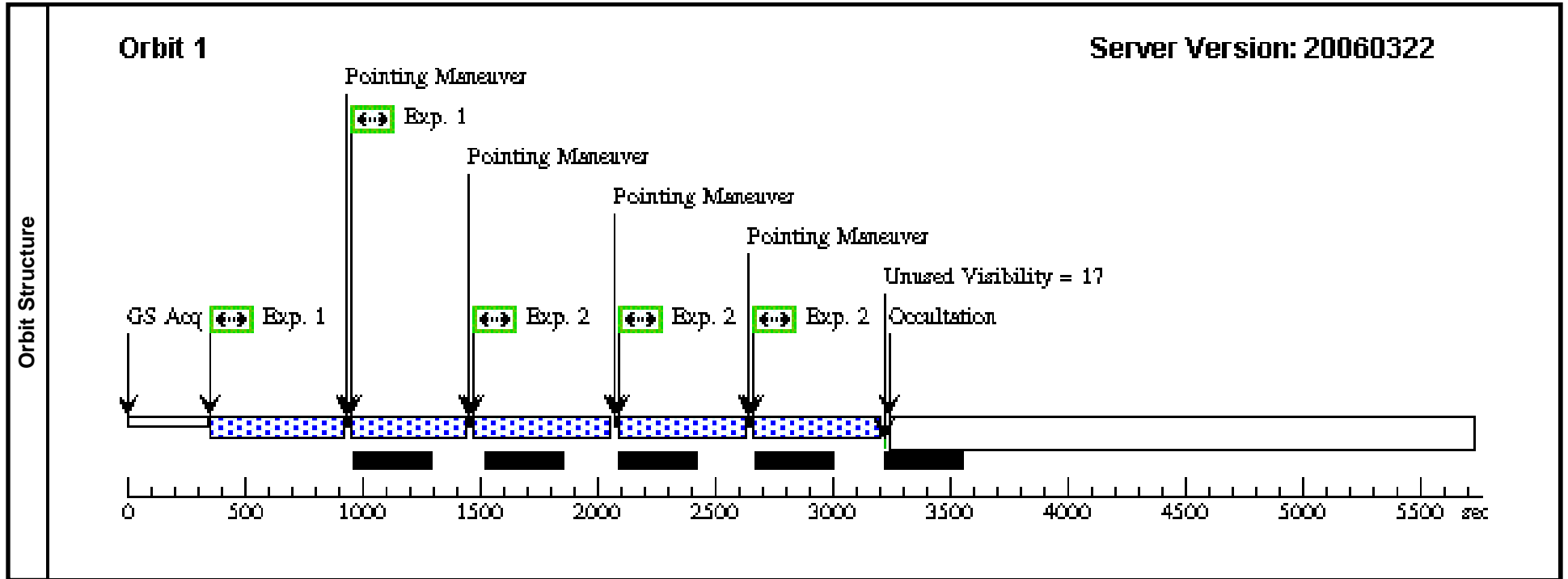
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Fixed Targets		#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
		(1)	NGC-4697-FIELD-1	RA: 12 48 26.4280 (192.1101167d) Dec: -05 45 54.48 (-5.76513d) Equinox: J2000 Plate Id: 024P		V=(?) V=23.0, magnitude is that of a typical globular cluster in NGC 4697	Coordinate Source: HST_IMAGE				
Exposures		#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
		1	NGC4697_F 475W_1	(1) NGC-4697-FIELD-1	ACS/WFC, ACCUM, WFC	F475W	CR-SPLIT=NO		Pattern 1-1 (1)	365.0 Secs [=>(Pattern 1)] [=>(Pattern 2)]	[1]
		2	NGC4697_F 4850LP_1	(1) NGC-4697-FIELD-1	ACS/WFC, ACCUM, WFC	F850LP	CR-SPLIT=NO		Pattern 2-2 (2)	420.0 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]



Proposal 10582 - Visit 02 - Probing The Galaxy-wide Globular Cluster - Low Mass X-ray Binary Connection in Early-type Galaxies

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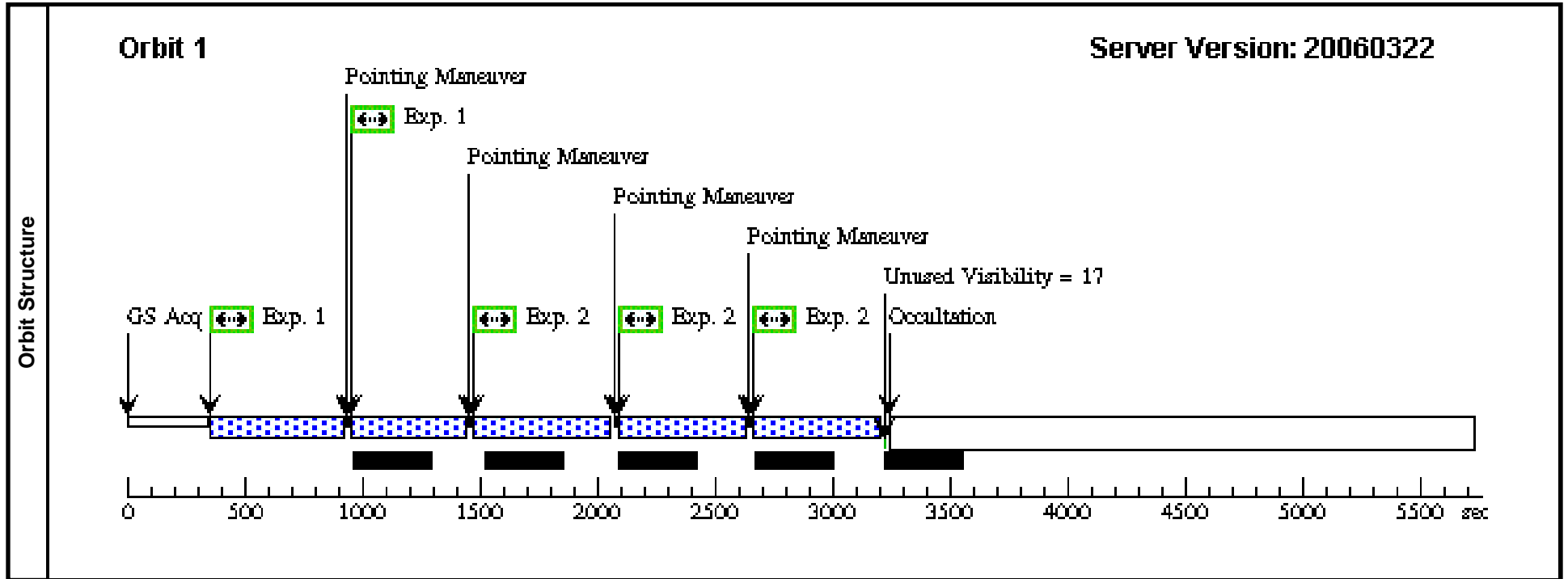
Visit	Proposal 10582, Visit 02 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: ORIENT 285.3D TO 295.3 D									
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	(2)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.17 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=false		(2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	NGC-4697-FIELD-2	RA: 12 48 21.3600 (192.0890000d) Dec: -05 48 44.91 (-5.81248d) Equinox: J2000 Plate Id: 024P		V=(?) V=23.0, magnitude is that of a typical globular cluster in NGC 4697	Coordinate Source: HST_IMAGE				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	NGC4697_F 475W_2	(2) NGC-4697-FIELD-2	ACS/WFC, ACCUM, WFC	F475W	CR-SPLIT=NO			Pattern 1-1 (1)	365.0 Secs [=>(Pattern 1)] [=>(Pattern 2)]
	2	NGC4697_F 850LP_2	(2) NGC-4697-FIELD-2	ACS/WFC, ACCUM, WFC	F850LP	CR-SPLIT=NO		Pattern 2-2 (2)	420.0 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]



Proposal 10582 - Visit 03 - Probing The Galaxy-wide Globular Cluster - Low Mass X-ray Binary Connection in Early-type Galaxies

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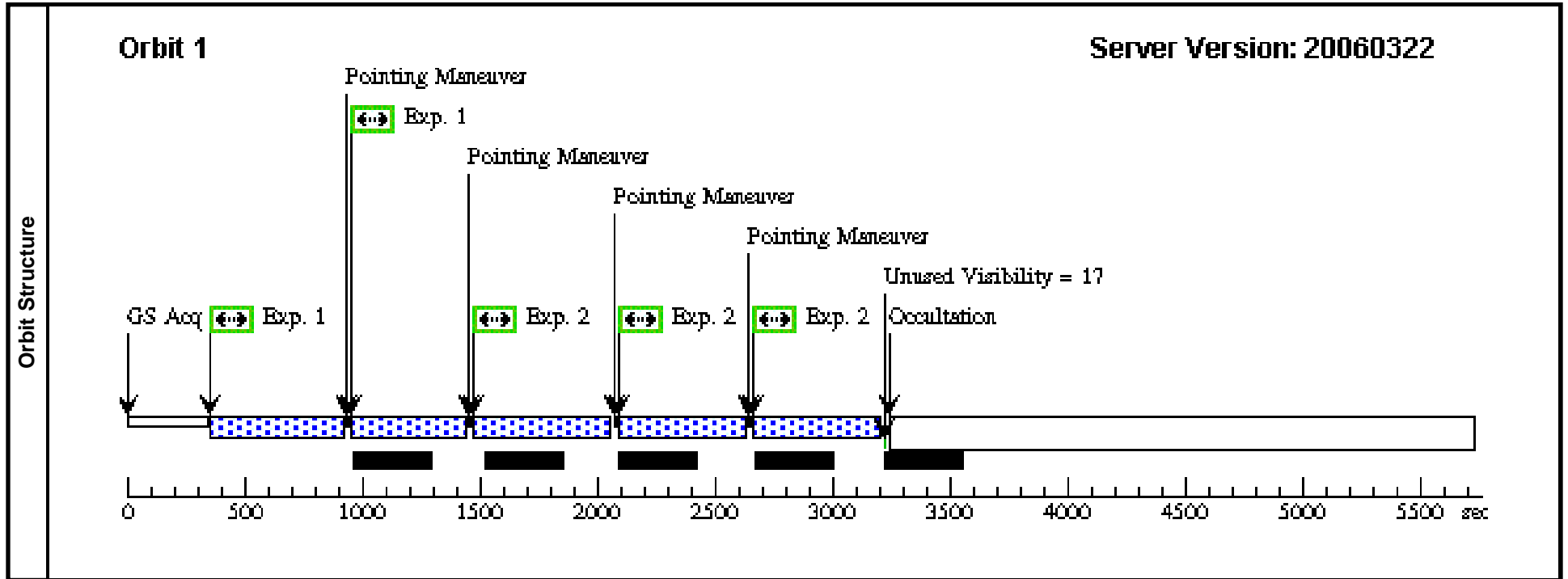
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Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
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Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes	Miscellaneous			
	(3)	NGC-4697-FIELD-3	RA: 12 48 31.6020 (192.1316750d) Dec: -05 51 3.70 (-5.85103d) Equinox: J2000 Plate Id: 024P				V=(?) V=23.0, magnitude is that of a typical globular cluster in NGC 4697	Coordinate Source: HST_IMAGE			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	NGC4697_F 450W_3	(3) NGC-4697-FIELD-3	ACS/WFC, ACCUM, WFC	F475W	CR-SPLIT=NO		Pattern 1-1 (1)	365.0 Secs		
								[=>(Pattern 1)]		[1]	
								[=>(Pattern 2)]			
2	NGC4697_F 850LP_3	(3) NGC-4697-FIELD-3	ACS/WFC, ACCUM, WFC	F850LP	CR-SPLIT=NO		Pattern 2-2 (2)	420.0 Secs			
								[=>(Pattern 1)]			
								[=>(Pattern 2)]		[1]	
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Proposal 10582 - Visit 04 - Probing The Galaxy-wide Globular Cluster - Low Mass X-ray Binary Connection in Early-type Galaxies

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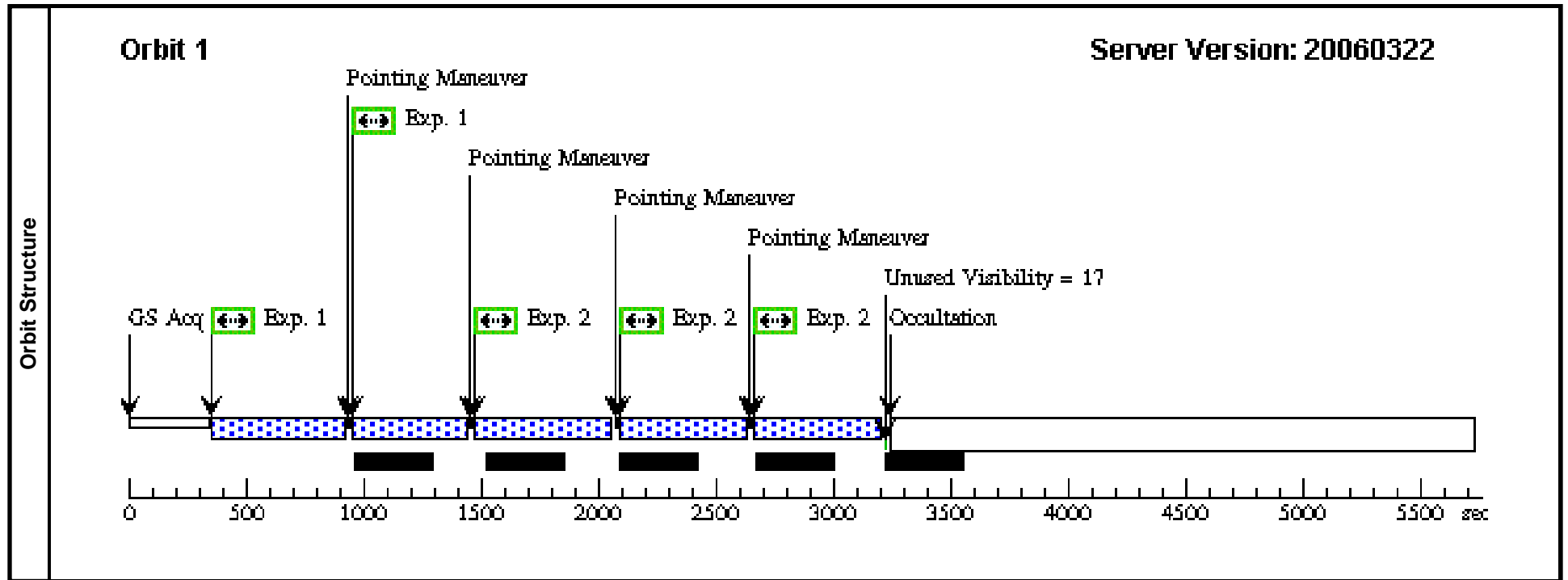
Visit		Proposal 10582, Visit 04 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: ORIENT 285.3D TO 295.3 D									
Patterns		#	Primary Pattern	Secondary Pattern	Exposures						
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		(2)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.17 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=false		(2)						
Fixed Targets		#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
		(4)	NGC-4697-FIELD-4	RA: 12 48 46.6170 (192.1942375d) Dec: -05 50 12.20 (-5.83672d) Equinox: J2000 Plate Id: 024P		V=(?) V=23.0, magnitude is that of a typical globular cluster in NGC 4697	Coordinate Source: HST_IMAGE				
Exposures		#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
		1	NGC4697_F 475W_4	(4) NGC-4697-FIELD-4	ACS/WFC, ACCUM, WFC	F475W	CR-SPLIT=NO		Pattern 1-1 (1)	365.0 Secs	
										[=>(Pattern 1)] [=>(Pattern 2)]	[1]
		2	NGC4697_F 850LP_4	(4) NGC-4697-FIELD-4	ACS/WFC, ACCUM, WFC	F850LP	CR-SPLIT=NO		Pattern 2-2 (2)	420.0 Secs	
										[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]



Proposal 10582 - Visit 05 - Probing The Galaxy-wide Globular Cluster - Low Mass X-ray Binary Connection in Early-type Galaxies

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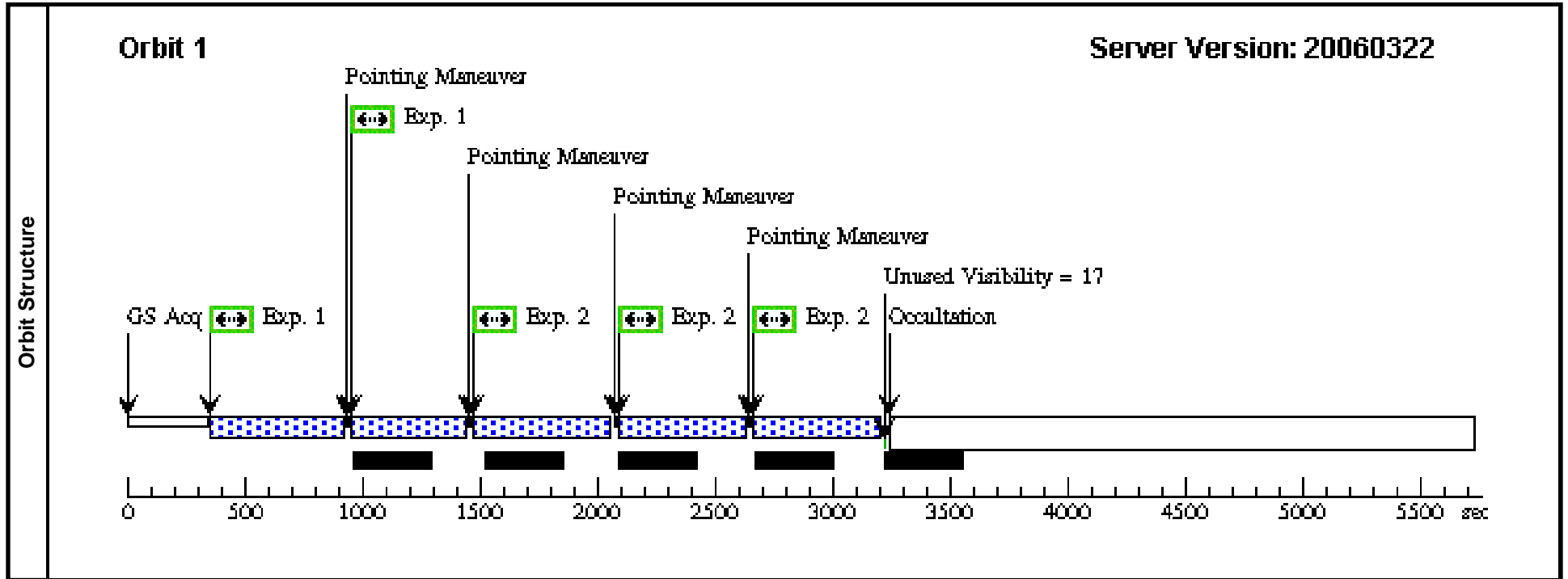
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(2)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.17 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=false									(2)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes	Miscellaneous			
	(5)	NGC-4697-FIELD-5	RA: 12 48 51.7300 (192.2155417d) Dec: -05 47 20.01 (-5.78889d) Equinox: J2000 Plate Id: 024P				V=(?) V=23.0, magnitude is that of a typical globular cluster in NGC 4697	Coordinate Source: HST_IMAGE			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	NGC4697_F 475W_5	(5) NGC-4697-FIELD-5	ACS/WFC, ACCUM, WFC	F475W	CR-SPLIT=NO			Pattern 1-1 (1)	365.0 Secs	
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									[=>(Pattern 2)]		
2	NGC4697_F 850LP_5	(5) NGC-4697-FIELD-5	ACS/WFC, ACCUM, WFC	F850LP	CR-SPLIT=NO			Pattern 2-2 (2)	420.0 Secs		
									[=>(Pattern 1)]		
									[=>(Pattern 2)]		[1]
									[=>(Pattern 3)]		



Proposal 10582 - Visit 06 - Probing The Galaxy-wide Globular Cluster - Low Mass X-ray Binary Connection in Early-type Galaxies

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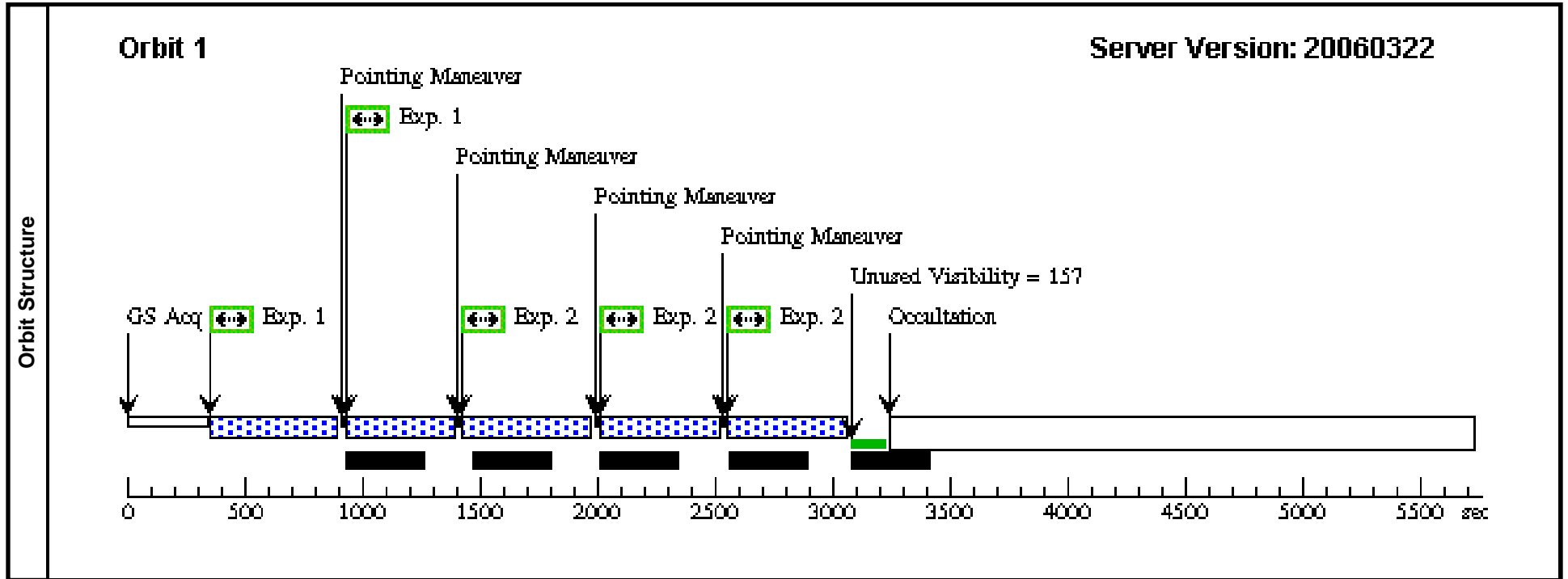
Visit	Proposal 10582, Visit 06 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: ORIENT 285.3D TO 295.3 D									
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Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(6)	NGC-4697-FIELD-6	RA: 12 48 41.1880 (192.1716167d) Dec: -05 45 14.31 (-5.75398d) Equinox: J2000 Plate Id: 024P		V=(?) V=23.0, magnitude is that of a typical globular cluster in NGC 4697	Coordinate Source: HST_IMAGE				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	NGC4697_F 475W_6	(6) NGC-4697-FIELD-6	ACS/WFC, ACCUM, WFC	F475W	CR-SPLIT=NO			Pattern 1-1 (1)	365.0 Secs [=>(Pattern 1)] [=>(Pattern 2)]
2	NGC4697_F 850LP_6	(6) NGC-4697-FIELD-6	ACS/WFC, ACCUM, WFC	F850LP	CR-SPLIT=NO			Pattern 2-2 (2)	420.0 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]



Proposal 10582 - Visit 07 - Probing The Galaxy-wide Globular Cluster - Low Mass X-ray Binary Connection in Early-type Galaxies

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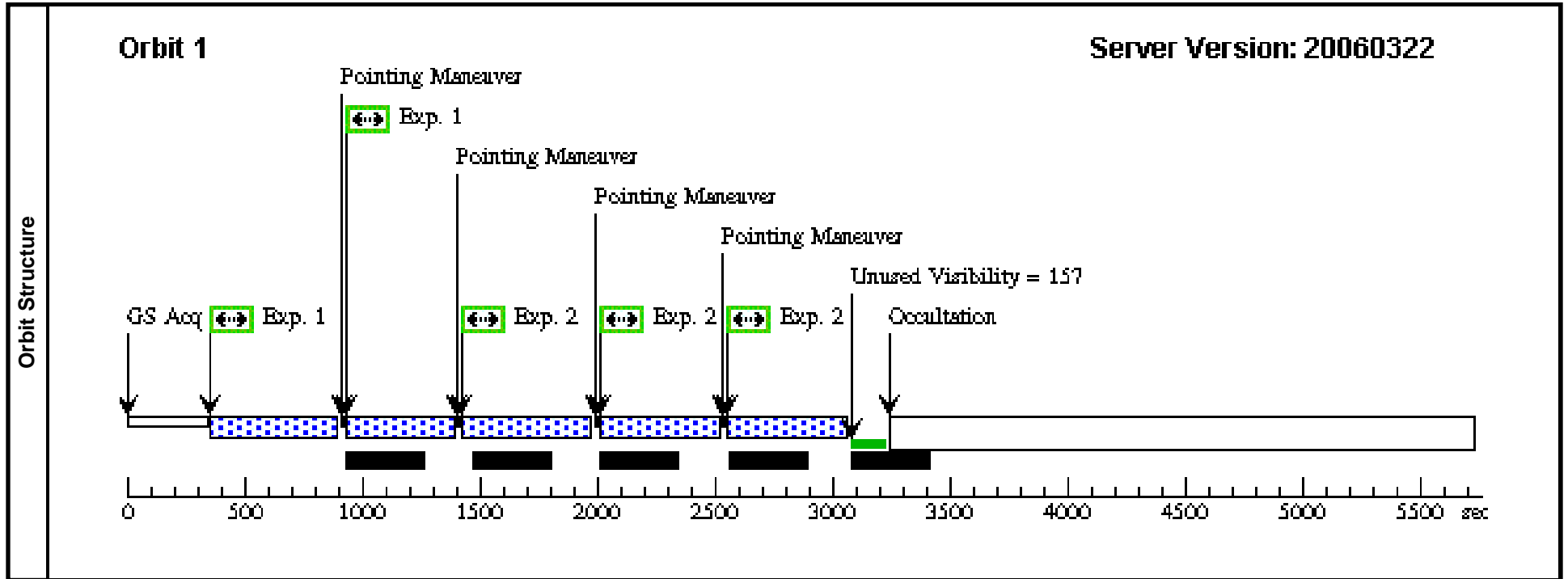
Visit		Proposal 10582, Visit 07 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: ORIENT 205.5D TO 218.0 D									
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Fixed Targets		#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
		(7)	NGC-4365-FIELD-1	RA: 12 24 17.1040 (186.0712667d) Dec: +07 20 56.62 (7.34906d) Equinox: J2000 Plate Id: 01UQ		V=(?) V=24.2, magnitude is that of a typical globular cluster in NGC 4697	Coordinate Source: HST_IMAGE				
Exposures		#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
		1	NGC4365_F 475W_1	(7) NGC-4365-FIELD-1	ACS/WFC, ACCUM, WFC	F475W	CR-SPLIT=NO		Pattern 1-1 (1)	340.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
		2	NGC4365_F 4850LP_1	(7) NGC-4365-FIELD-1	ACS/WFC, ACCUM, WFC	F850LP	CR-SPLIT=NO		Pattern 2-2 (2)	390.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]



Proposal 10582 - Visit 08 - Probing The Galaxy-wide Globular Cluster - Low Mass X-ray Binary Connection in Early-type Galaxies

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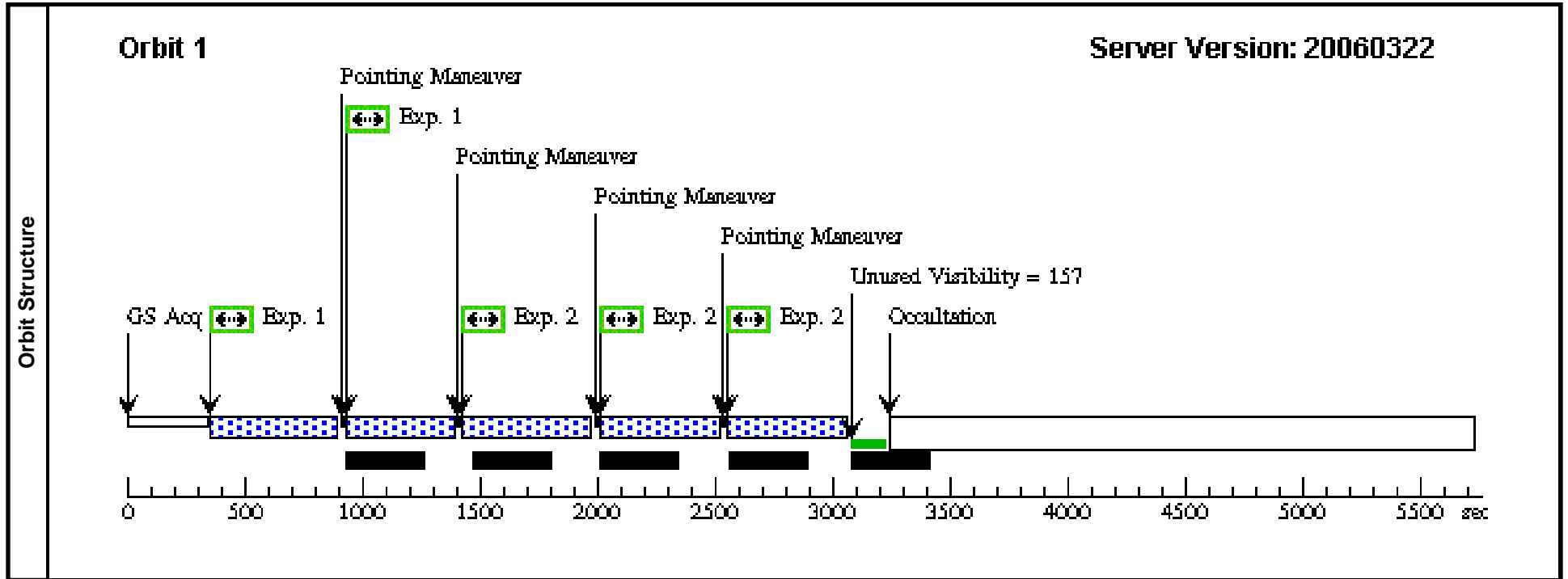
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(2)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.17 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=false		(2)							
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(8)	NGC-4365-FIELD-2	RA: 12 24 15.6460 (186.0651917d) Dec: +07 17 24.25 (7.29007d) Equinox: J2000 Plate Id: 01UQ		V=(?) V=24.2, magnitude is that of a typical globular cluster in NGC 4697	Coordinate Source: HST_IMAGE				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	NGC4365_F 475W_2	(8) NGC-4365-FIELD-2	ACS/WFC, ACCUM, WFC	F475W	CR-SPLIT=NO			Pattern 1-1 (1)	340.0 Secs [=>(Pattern 1)] [=>(Pattern 2)]
2	NGC4365_F 4850LP_1	(8) NGC-4365-FIELD-2	ACS/WFC, ACCUM, WFC	F850LP	CR-SPLIT=NO			Pattern 2-2 (2)	390.0 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]



Proposal 10582 - Visit 09 - Probing The Galaxy-wide Globular Cluster - Low Mass X-ray Binary Connection in Early-type Galaxies

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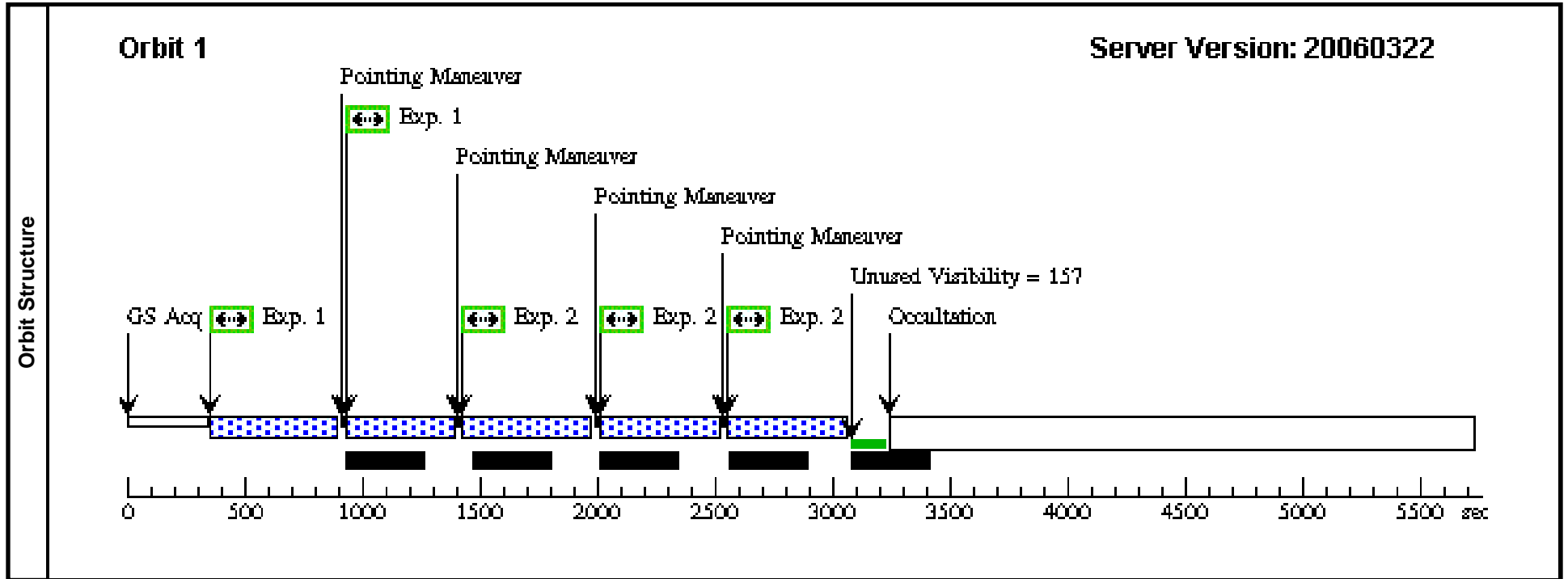
Visit	Proposal 10582, Visit 09 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: ORIENT 205.5D TO 218.0 D									
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	(2)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.17 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=false		(2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(9)	NGC-4365-FIELD-3	RA: 12 24 25.7070 (186.1071125d) Dec: +07 15 33.38 (7.25927d) Equinox: J2000 Plate Id: 01UQ		V=(?) V=24.2, magnitude is that of a typical globular cluster in NGC 4697	Coordinate Source: HST_IMAGE				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	NGC4365_F 475W_3	(9) NGC-4365-FIELD-3	ACS/WFC, ACCUM, WFC	F475W	CR-SPLIT=NO			Pattern 1-1 (1)	340.0 Secs [=>(Pattern 1)] [=>(Pattern 2)]
	2	NGC4365_F 4850LP_3	(9) NGC-4365-FIELD-3	ACS/WFC, ACCUM, WFC	F850LP	CR-SPLIT=NO		Pattern 2-2 (2)	390.0 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]



Proposal 10582 - Visit 10 - Probing The Galaxy-wide Globular Cluster - Low Mass X-ray Binary Connection in Early-type Galaxies

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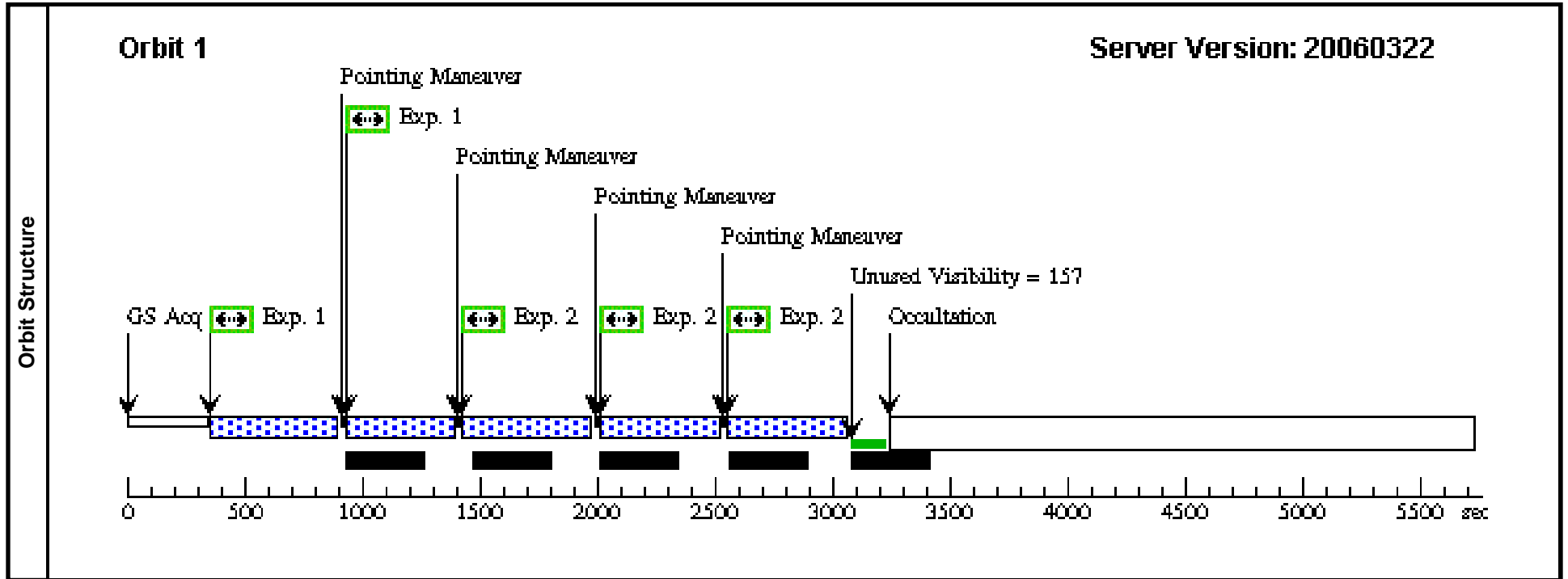
Visit		Proposal 10582, Visit 10 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: ORIENT 205.5D TO 218.0 D									
Patterns		#	Primary Pattern	Secondary Pattern	Exposures						
		(1)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=false		(1)						
		(2)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.17 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=false		(2)						
Fixed Targets		#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
		(10)	NGC-4365-FIELD-4	RA: 12 24 36.0310 (186.1501292d) Dec: +07 17 14.22 (7.28728d) Equinox: J2000 Plate Id: 01UQ		V=(?) V=24.2, magnitude is that of a typical globular cluster in NGC 4697	Coordinate Source: HST_IMAGE				
Exposures		#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
		1	NGC4365_F 475W_4	(10) NGC-4365-FIELD-4	ACS/WFC, ACCUM, WFC	F475W	CR-SPLIT=NO		Pattern 1-1 (1)	340.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
		2	NGC4365_F 4850LP_1	(10) NGC-4365-FIELD-4	ACS/WFC, ACCUM, WFC	F850LP	CR-SPLIT=NO		Pattern 2-2 (2)	390.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]



Proposal 10582 - Visit 11 - Probing The Galaxy-wide Globular Cluster - Low Mass X-ray Binary Connection in Early-type Galaxies

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Visit	Proposal 10582, Visit 11 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: ORIENT 205.5D TO 218.0 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(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)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.17 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=false		(2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(11)	NGC-4365-FIELD-5	RA: 12 24 40.8830 (186.1703458d) Dec: +07 20 7.33 (7.33537d) Equinox: J2000 Plate Id: 01UQ		V=(?) V=24.2, magnitude is that of a typical globular cluster in NGC 4697	Coordinate Source: HST_IMAGE				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	NGC4365_F 475W_11	(11) NGC-4365-FIE LD-5	ACS/WFC, ACCUM, WFC	F475W	CR-SPLIT=NO		Pattern 1-1 (1)	340.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	NGC4365_F 4850LP_5	(11) NGC-4365-FIE LD-5	ACS/WFC, ACCUM, WFC	F850LP	CR-SPLIT=NO		Pattern 2-2 (2)	390.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]



Proposal 10582 - Visit 12 - Probing The Galaxy-wide Globular Cluster - Low Mass X-ray Binary Connection in Early-type Galaxies

Wed May 17 01:01:52 GMT 2006

Visit	Proposal 10582, Visit 12 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: ORIENT 205.5D TO 218.0 D										
	Patterns	#	Primary Pattern				Secondary Pattern				Exposures
		(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)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.17 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=false					(2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous				
	(12)	NGC-4365-FIELD-6	RA: 12 24 31.1090 (186.1296208d) Dec: +07 22 9.44 (7.36929d) Equinox: J2000 Plate Id: 01UQ			V=(?) V=24.2, magnitude is that of a typical globular cluster in NGC 4697	Coordinate Source: HST_IMAGE				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	NGC4365_F (12) NGC-4365-FIE 475W_6 LD-6	ACS/WFC, ACCUM, WFC	F475W	CR-SPLIT=NO			Pattern 1-1 (1)	340.0 Secs		
									[=>(Pattern 1)] [=>(Pattern 2)]		[1]
2	NGC4365_F (12) NGC-4365-FIE 4850LP_6 LD-6	ACS/WFC, ACCUM, WFC	F850LP	CR-SPLIT=NO				Pattern 2-2 (2)	390.0 Secs		
									[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]		[1]

