



11734 - The hosts of high redshift gamma-ray bursts

Cycle: 17, Proposal Category: GO

(Availability Mode: SUPPORTED)

INVESTIGATORS

<i>Name</i>	<i>Institution</i>	<i>E-Mail</i>
Dr. Andrew J. Levan (PI) (ESA Member)	The University of Warwick	a.j.levan@warwick.ac.uk
Dr. Nial R. Tanvir (CoI) (ESA Member)	University of Leicester	nrt3@star.le.ac.uk
Dr. Evert Rol (CoI) (ESA Member)	University of Leicester	er45@star.le.ac.uk
Dr. Andrew S. Fruchter (CoI) (AdminUSPI)	Space Telescope Science Institute	fruchter@stsci.edu
Dr. Klaas Wiersema (CoI)	University of Leicester	kw113@star.le.ac.uk
Dr. Jens Hjorth (CoI) (ESA Member)	University of Copenhagen, Niels Bohr Institute	jens@astro.ku.dk
Dr. Johan P. U. Fynbo (CoI) (ESA Member)	University of Copenhagen, Niels Bohr Institute	jfynbo@astro.ku.dk
Dr. Daniele Malesani (CoI) (ESA Member)	University of Copenhagen, Niels Bohr Institute	malesani@astro.ku.dk
Dr. Pall Jakobsson (CoI) (ESA Member)	University of Hertfordshire	palli@star.herts.ac.uk
Mr. John Graham (CoI)	The Johns Hopkins University	graham@stsci.edu
Dr. Darach Watson (CoI) (ESA Member)	University of Copenhagen, Niels Bohr Institute	darach@astro.ku.dk

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) GRB-060223	WFC3/IR	3	07-Jul-2008 22:49:51.0	yes
02	(2) GRB-050730	ACS/WFC	3	07-Jul-2008 22:49:57.0	yes
03	(3) GRB-050908	ACS/WFC	3	07-Jul-2008 22:50:02.0	yes
04	(4) GRB-060115	ACS/WFC	3	07-Jul-2008 22:50:06.0	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>
05	(5) GRB-060522	WFC3/IR	3	07-Jul-2008 22:50:13.0	yes
06	(6) GRB-060526	ACS/WFC	3	07-Jul-2008 22:50:17.0	yes
07	(7) GRB-060605	ACS/WFC	3	07-Jul-2008 22:50:22.0	yes
08	(8) GRB-060927	WFC3/IR	5	07-Jul-2008 22:50:27.0	yes
09	(9) GRB-060607	ACS/WFC	3	07-Jul-2008 22:50:32.0	yes
10	(10) GRB-061110B	ACS/WFC	3	07-Jul-2008 22:50:38.0	yes
11	(11) GRB-070721B	ACS/WFC	3	07-Jul-2008 22:50:42.0	yes

35 Total Orbits Used

ABSTRACT

Gamma-ray bursts are the most luminous explosive events known, acting as beacons to the high redshift universe. Long duration GRBs have their origin in the collapse of massive stars and thus select star forming galaxies across a wide range of redshift. Due to their bright afterglows we can study the details of GRB host galaxies via absorption spectroscopy, providing redshifts, column densities and metallicities for galaxies far too faint to be accessible directly with current technology. We have already obtained deep ground based observations for many hosts and here propose ACS/WFC and WFC3 observations of the fields of bursts at $z > 3$ which are undetected in deep ground based images. These observations will study the hosts in emission, providing luminosities and morphologies and will enable the construction of a sample of high- z galaxies with more detailed physical properties than has ever been possible before.

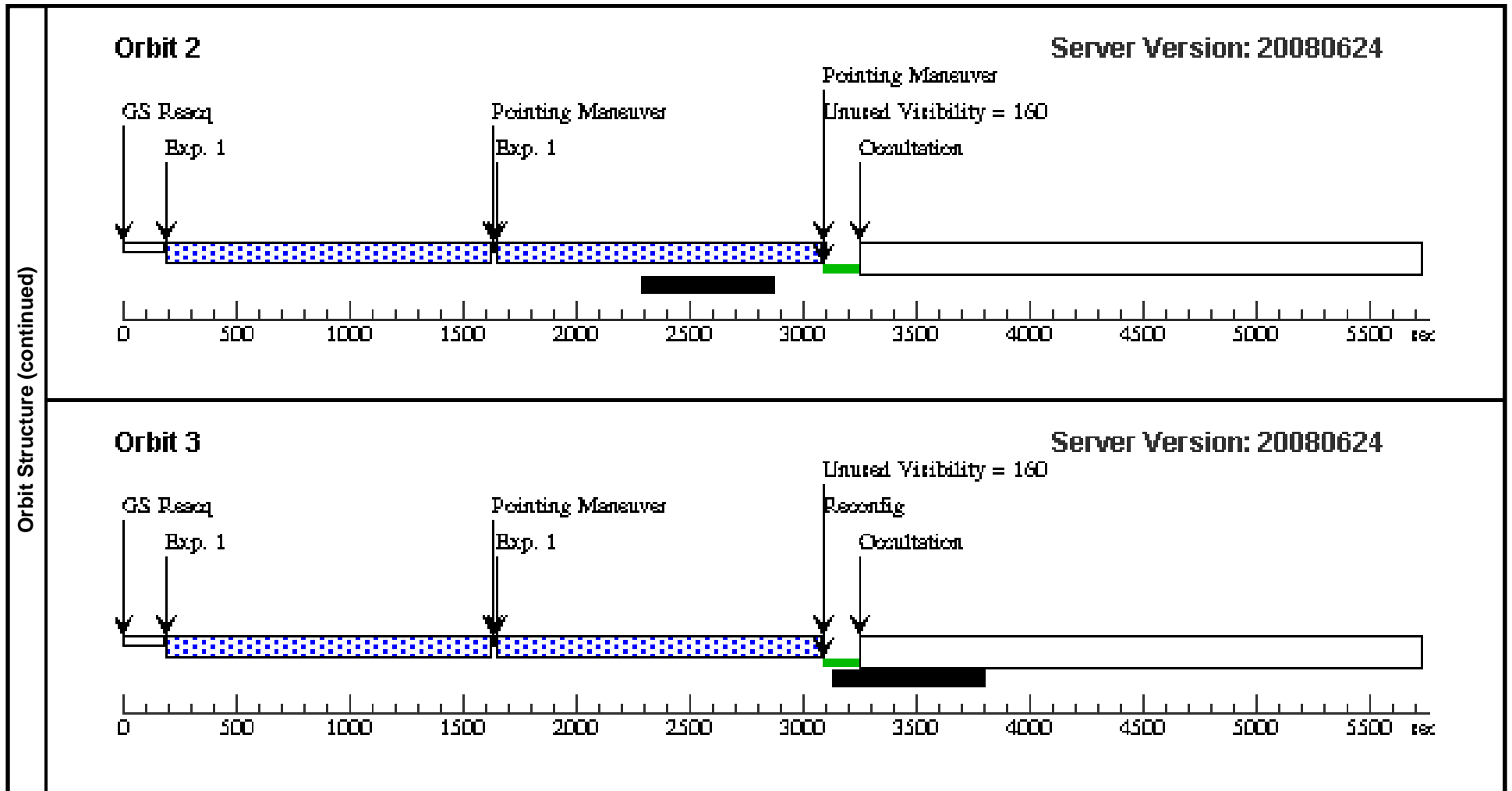
OBSERVING DESCRIPTION

We will aim to obtain deep optical and nIR observations of a sample of high redshift ($z > 3$, $z_{\text{mean}} = 4$, $z_{\text{max}} = 5.5$) GRB host galaxies with the aim of detecting hosts in emission for which detailed properties are known in absorption. The aim is to detect the host galaxies, and characterise the luminosities and morphologies.

Our standard observations will utilize a 3 orbit visit in either F814W ($z < 4$) or F110W ($z > 4$) for which we will use a 6 point dither pattern, obtaining two exposures in each orbit. We will offset the position of the target slightly from the apex of the WFC3 in order to avoid placing the target at the join of the amplifiers. These observations will allow us to reach 3-sigma limiting magnitudes of I~28.4, J~28.0.

For GRB 060927 we will undertake a 5 orbit observation, utilizing a 4 point dither pattern and a 2-point sub-pattern. This will take 4 of the orbits, the final orbit will simply repeat two points of the pattern again.

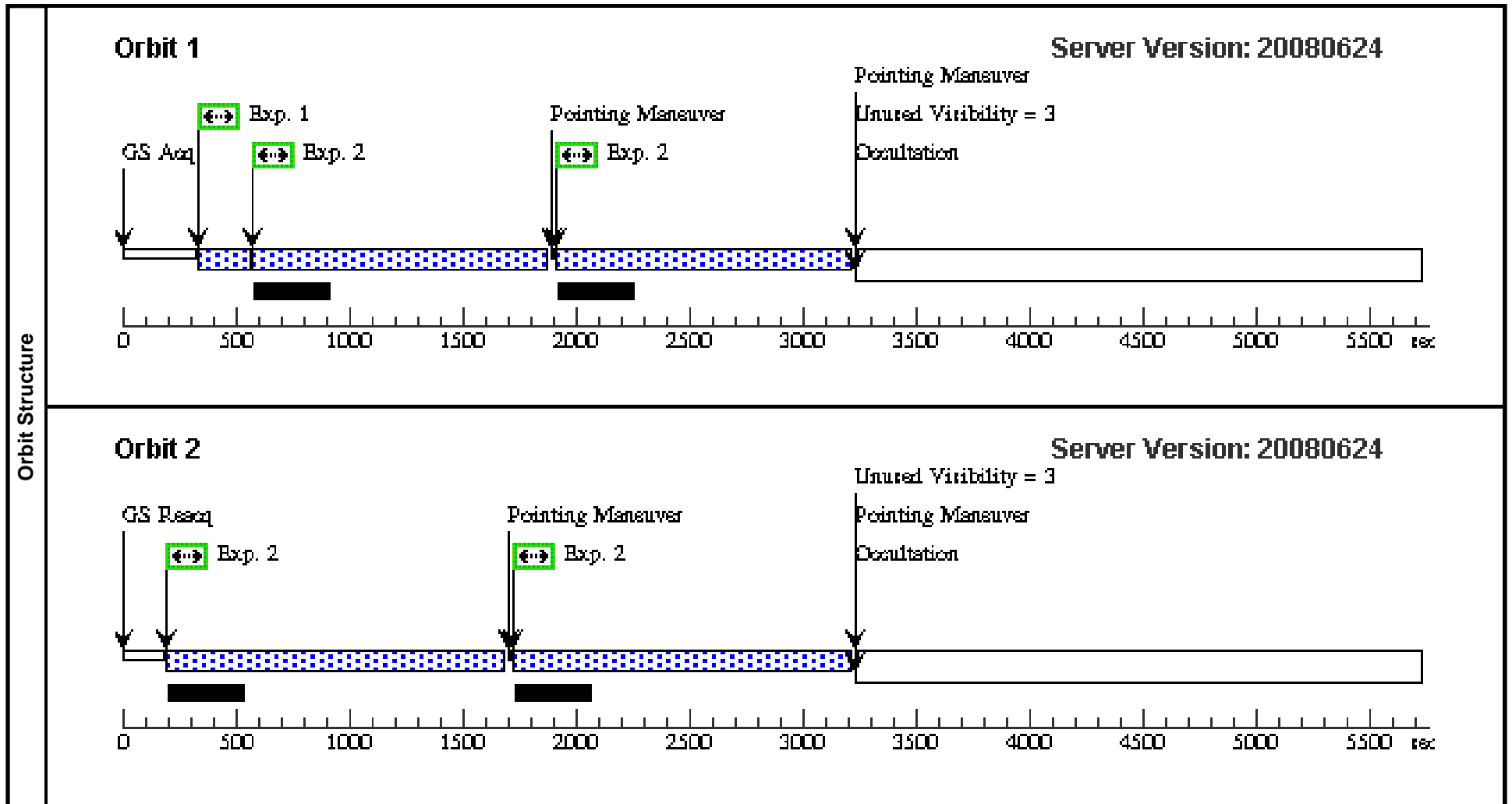
Visit	Proposal 11734, Visit 01, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
(2)		Pattern Type=LINE Purpose=DITHER Number Of Points=3 Point Spacing=.604 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=.473 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false	(1)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	GRB-060223	RA: 03 40 49.5600 (55.2065000d) Dec: -17 07 48.36 (-17.13010d) Equinox: J2000		V=(?) R>26.5 (Vega)	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(1) GRB-060223	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=14; SAMP-SEQ=STEP2 00		Pattern 1-1 (2)	[==>(Pattern 1,1)]	[1]
									[==>(Pattern 1,2)]	
									[==>(Pattern 2,1)]	[2]
									[==>(Pattern 2,2)]	
								[==>(Pattern 3,1)]	[3]	
								[==>(Pattern 3,2)]		
Orbit Structure	<p>Orbit 1 Server Version: 20080624</p> <p>Unused Visibility = 22</p> <p>GS Acq Exp. 1</p> <p>Exp. 1</p> <p>Pointing Mansuver</p> <p>Pointing Mansuver</p> <p>Occultation</p> <p>0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 sec</p>									

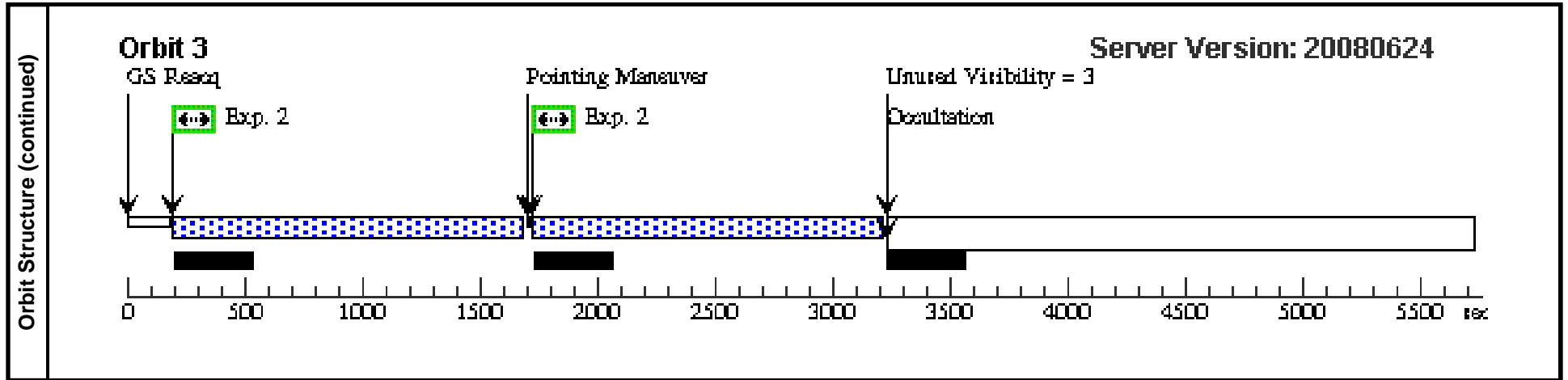


Proposal 11734 - Visit 02 - The hosts of high redshift gamma-ray bursts

Tue Jul 08 02:50:47 GMT 2008

Visit	Proposal 11734, Visit 02, implementation Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.170 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.23 Angle Between Sides= Center Pattern=false	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=.124 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false	(2)			
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	GRB-050730	RA: 14 08 17.1100 (212.0712917d) Dec: -03 46 17.20 (-3.77144d) Equinox: J2000		V=(?) R > 26.5 (Vega)	Reference Frame: ICRS				
<i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i>										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(2) GRB-050730	ACS/WFC, ACCUM, WFC1	F775W		GS ACQ SCENARI O BASE1B3		20 Secs	
									[==>]	[1]
	2		(2) GRB-050730	ACS/WFC, ACCUM, WFC1	F775W			Pattern 2-2 (1)	1150 Secs	
									[==>1180.0 Secs (Pattern 1,1)]	[1]
									[==>1180.0 Secs (Pattern 1,2)]	[1]
								[==>1371.0 Secs (Pattern 2,1)]	[2]	
								[==>1371.0 Secs (Pattern 2,2)]	[2]	
								[==>1371.0 Secs (Pattern 3,1)]	[3]	
								[==>1371.0 Secs (Pattern 3,2)]	[3]	

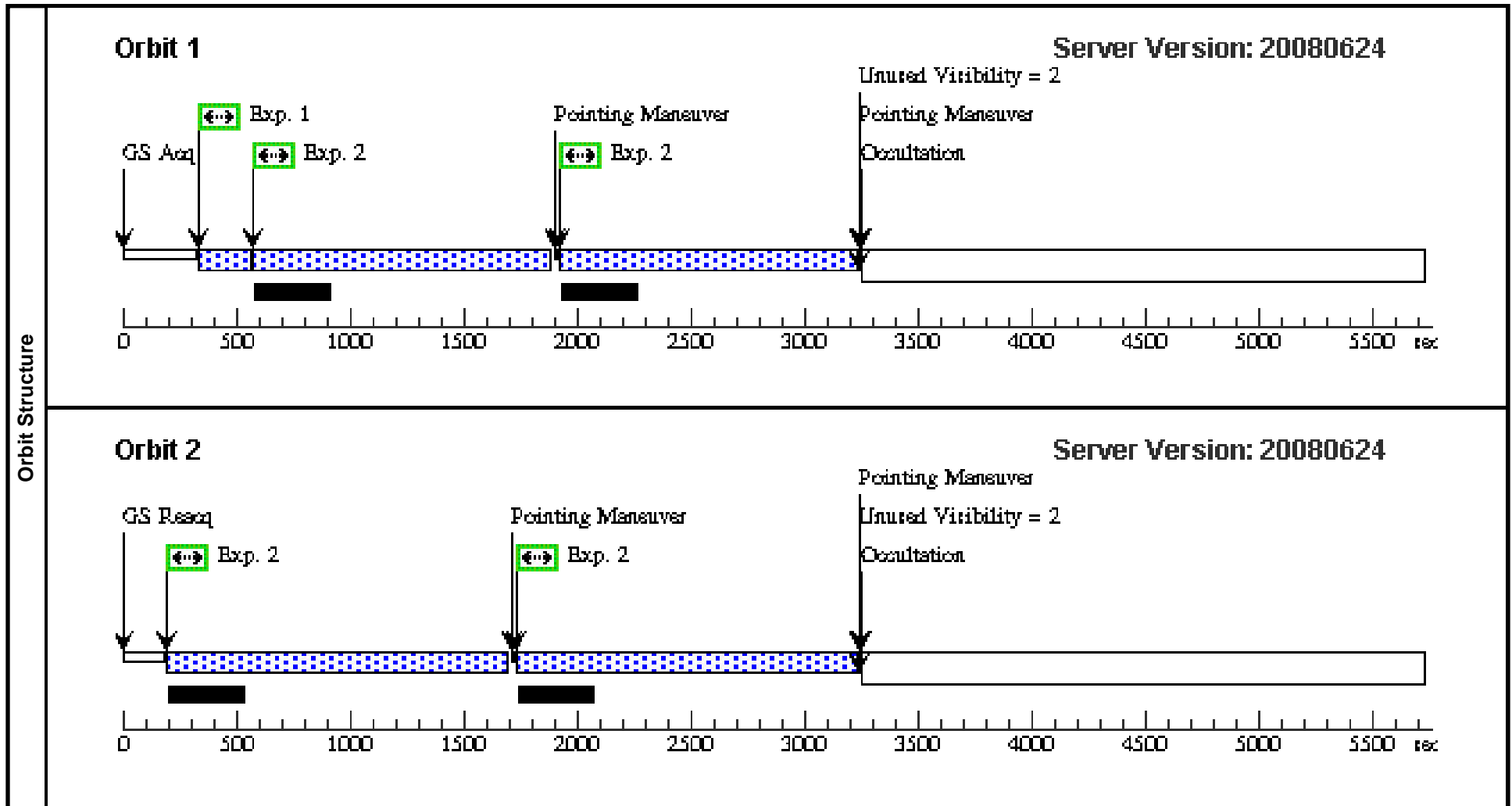


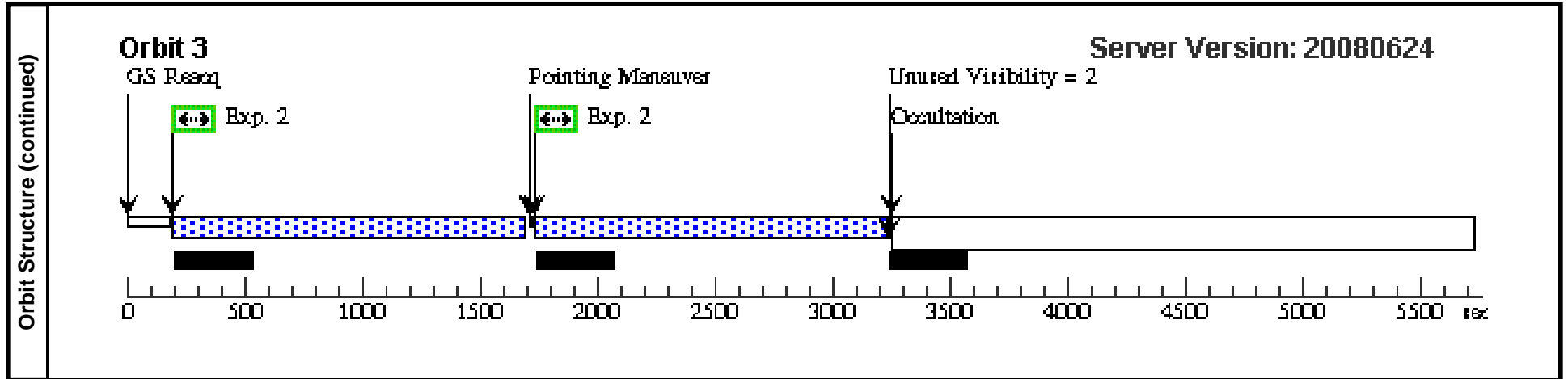


Proposal 11734 - Visit 03 - The hosts of high redshift gamma-ray bursts

Tue Jul 08 02:50:47 GMT 2008

Visit	Proposal 11734, Visit 03, implementation Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.170 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.23 Angle Between Sides= Center Pattern=false	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=.124 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false	(2)			
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	GRB-050908	RA: 01 21 50.7500 (20.4614583d) Dec: -12 57 17.20 (-12.95478d) Equinox: J2000		V=(?) R ~ 27.5 (Vega)	Reference Frame: ICRS				
<i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i>										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(3) GRB-050908	ACS/WFC, ACCUM, WFC1	F775W				20 Secs	
									[==>]	[1]
	2		(3) GRB-050908	ACS/WFC, ACCUM, WFC1	F775W			Pattern 2-2 (1)	1150 Secs	
									[==>1188.0 Secs (Pattern 1,1)]	[1]
									[==>1188.0 Secs (Pattern 1,2)]	
								[==>1379.0 Secs (Pattern 2,1)]	[2]	
								[==>1379.0 Secs (Pattern 2,2)]		
								[==>1379.0 Secs (Pattern 3,1)]	[3]	
								[==>1379.0 Secs (Pattern 3,2)]		

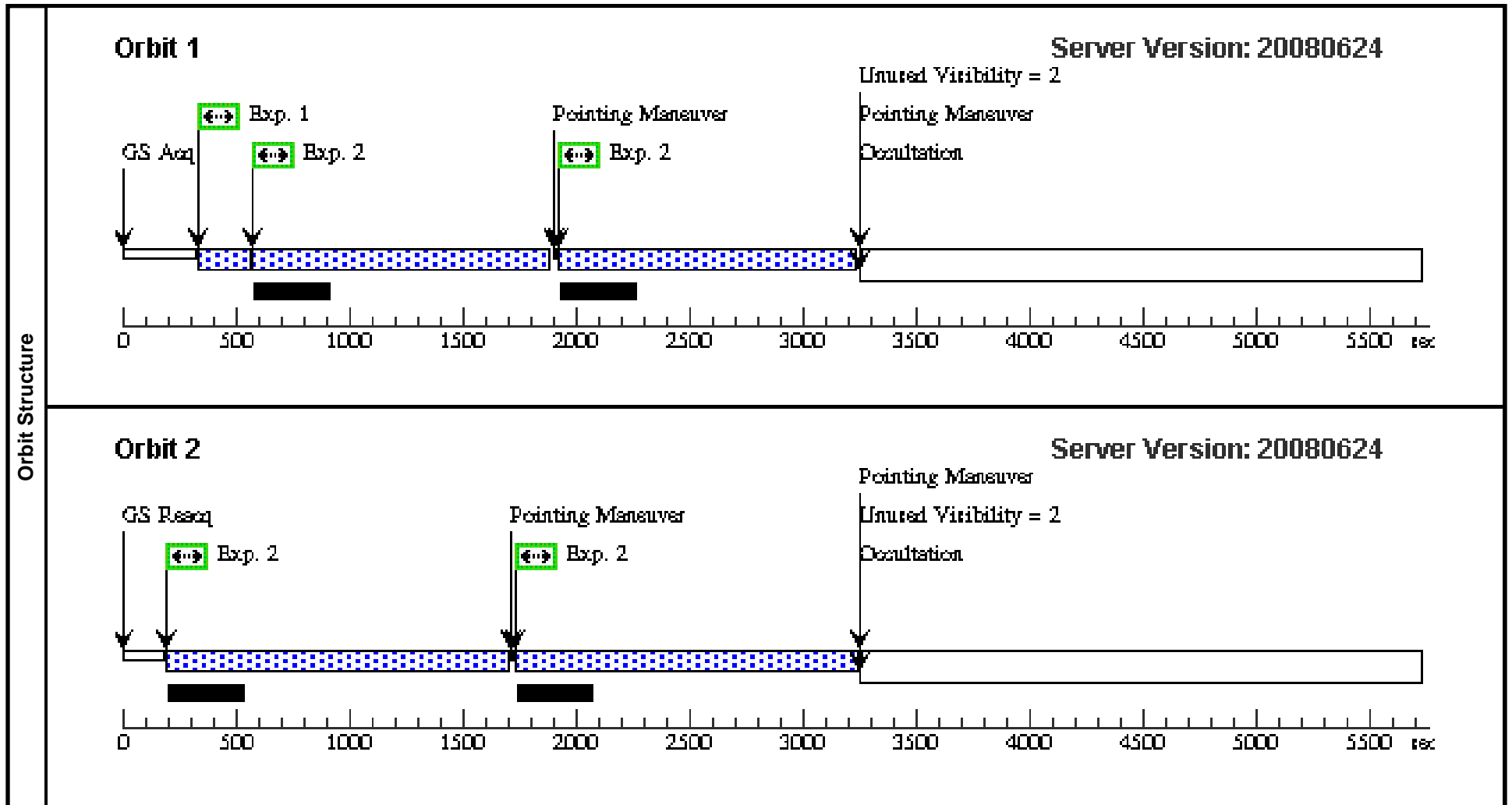


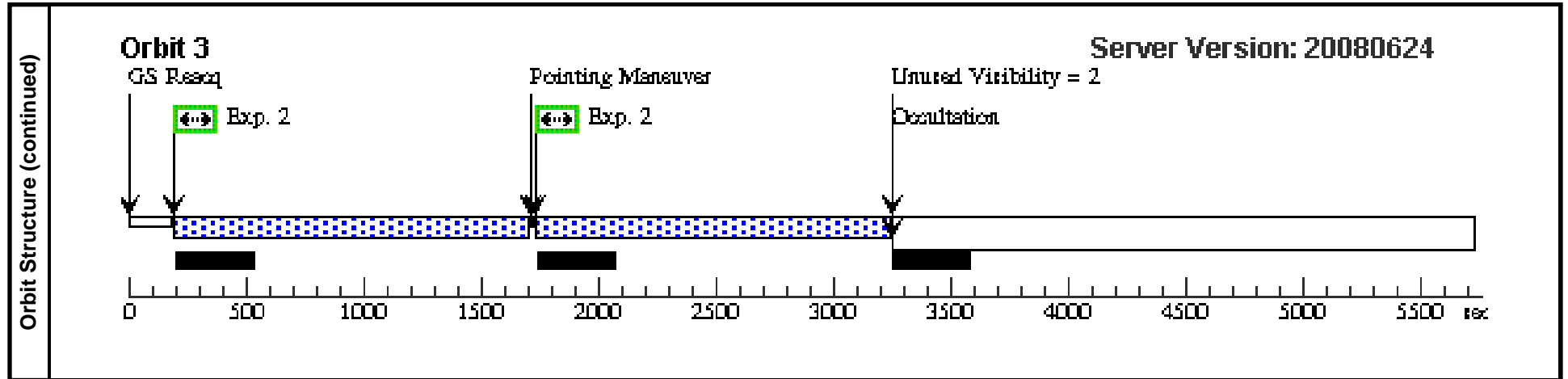


Proposal 11734 - Visit 04 - The hosts of high redshift gamma-ray bursts

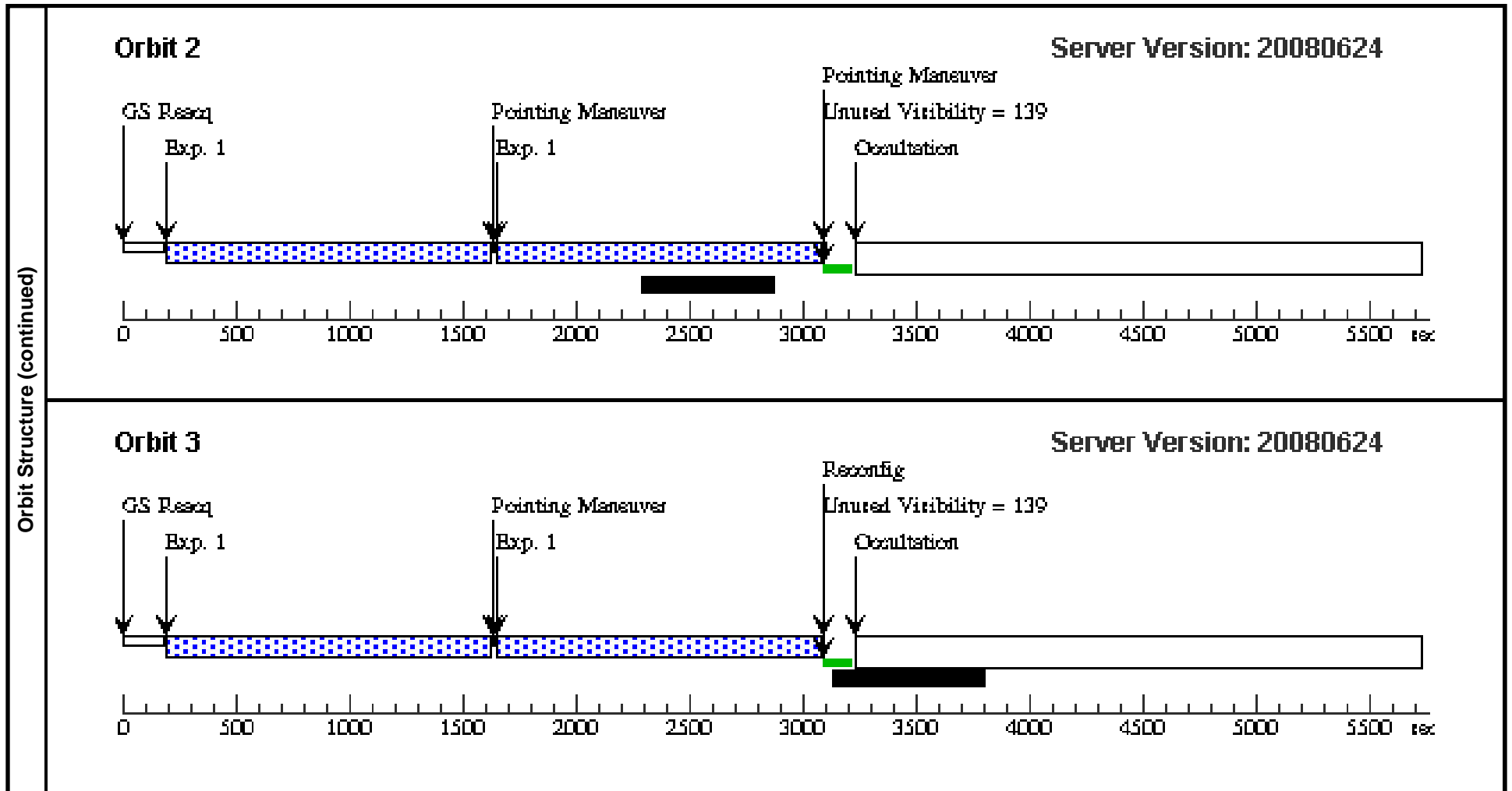
Tue Jul 08 02:50:48 GMT 2008

Visit	Proposal 11734, Visit 04, implementation Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.170 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.23 Angle Between Sides= Center Pattern=false	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=.124 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false	(2)			
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(4)	GRB-060115	RA: 03 36 8.4000 (54.0350000d) Dec: +17 20 43.00 (17.34528d) Equinox: J2000		V=(?) R>27.0 (Vega)	Reference Frame: ICRS				
	<i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(4) GRB-060115	ACS/WFC, ACCUM, WFC1	F814W				20 Secs	
									[==>]	[1]
	2		(4) GRB-060115	ACS/WFC, ACCUM, WFC1	F814W			Pattern 2-2 (1)	1150 Secs	
									[==>1191.0 Secs (Pattern 1,1)]	[1]
									[==>1191.0 Secs (Pattern 1,2)]	
								[==>1382.0 Secs (Pattern 2,1)]	[2]	
								[==>1382.0 Secs (Pattern 2,2)]		
								[==>1382.0 Secs (Pattern 3,1)]		
								[==>1382.0 Secs (Pattern 3,2)]	[3]	





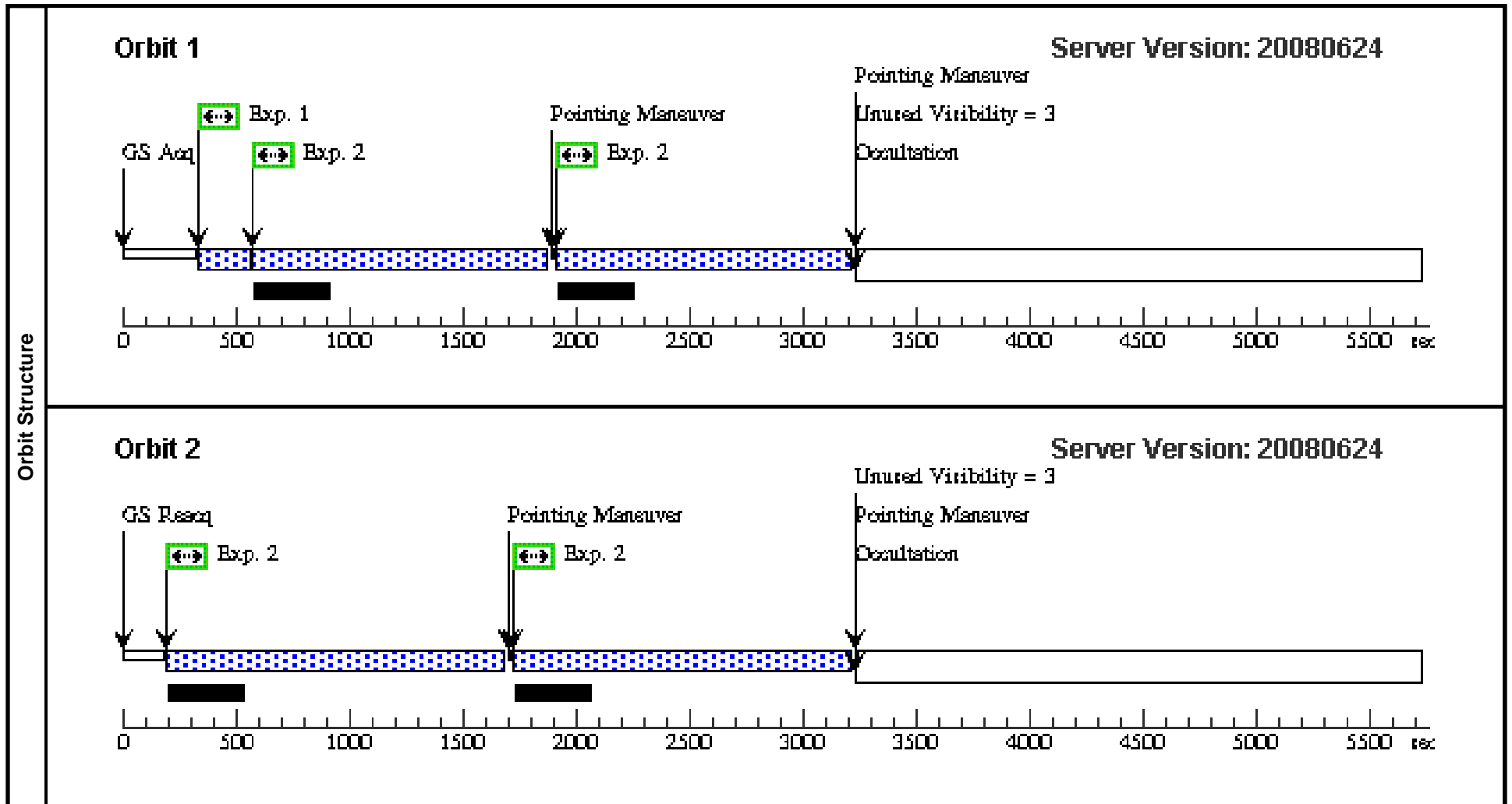
Visit	Proposal 11734, Visit 05, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)									
	Patterns	#	Primary Pattern				Secondary Pattern			
(2)		Pattern Type=LINE Purpose=DITHER Number Of Points=3 Point Spacing=.604 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=.473 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false	(1)				
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections	Fluxes	Miscellaneous		
	(5)	GRB-060522	RA: 21 31 44.8000 (322.9366667d) Dec: +02 53 10.35 (2.88621d) Equinox: J2000					V=(?) R > 26.5 (Vega)	Reference Frame: ICRS	
<i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i>										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(5) GRB-060522	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=14; SAMP-SEQ=STEP2 00		Pattern 1-1 (2)	[==>(Pattern 1,1)] [==>(Pattern 1,2)]	[1]	
								[==>(Pattern 2,1)] [==>(Pattern 2,2)]	[2]	
								[==>(Pattern 3,1)] [==>(Pattern 3,2)]	[3]	
Orbit Structure	Orbit 1									
	<p>Server Version: 20080624 Unused Visibility = 1</p> <p>GS Acq Exp. 1 Exp. 1 Pointing Maneuver Pointing Maneuver Occultation</p> <p>0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 sec</p>									

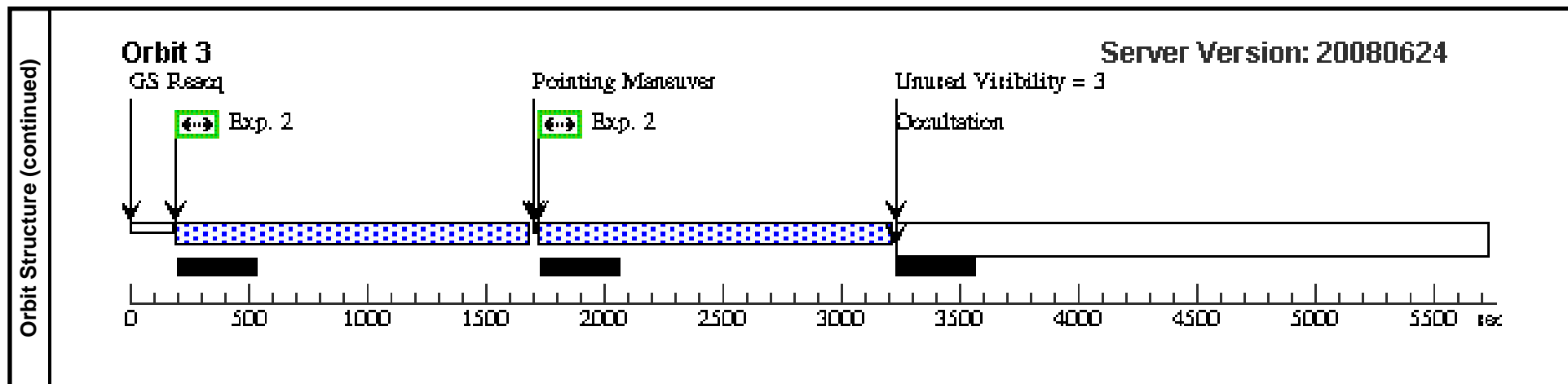


Proposal 11734 - Visit 06 - The hosts of high redshift gamma-ray bursts

Tue Jul 08 02:50:49 GMT 2008

Visit	Proposal 11734, Visit 06, implementation Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.170 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.23 Angle Between Sides= Center Pattern=false	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=.124 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false	(2)			
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(6)	GRB-060526	RA: 15 31 18.3600 (232.8265000d) Dec: +00 17 4.90 (.28469d) Equinox: J2000		V=(?) R > 26.5 (Vega)	Reference Frame: ICRS				
	<i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(6) GRB-060526	ACS/WFC, ACCUM, WFC1	F775W				20 Secs	
									[==>]	[1]
	2		(6) GRB-060526	ACS/WFC, ACCUM, WFC1	F775W			Pattern 2-2 (1)	1150 Secs	
									[==>1180.0 Secs (Pattern 1,1)]	[1]
									[==>1180.0 Secs (Pattern 1,2)]	
								[==>1371.0 Secs (Pattern 2,1)]	[2]	
								[==>1371.0 Secs (Pattern 2,2)]		
								[==>1371.0 Secs (Pattern 3,1)]	[3]	
								[==>1371.0 Secs (Pattern 3,2)]		

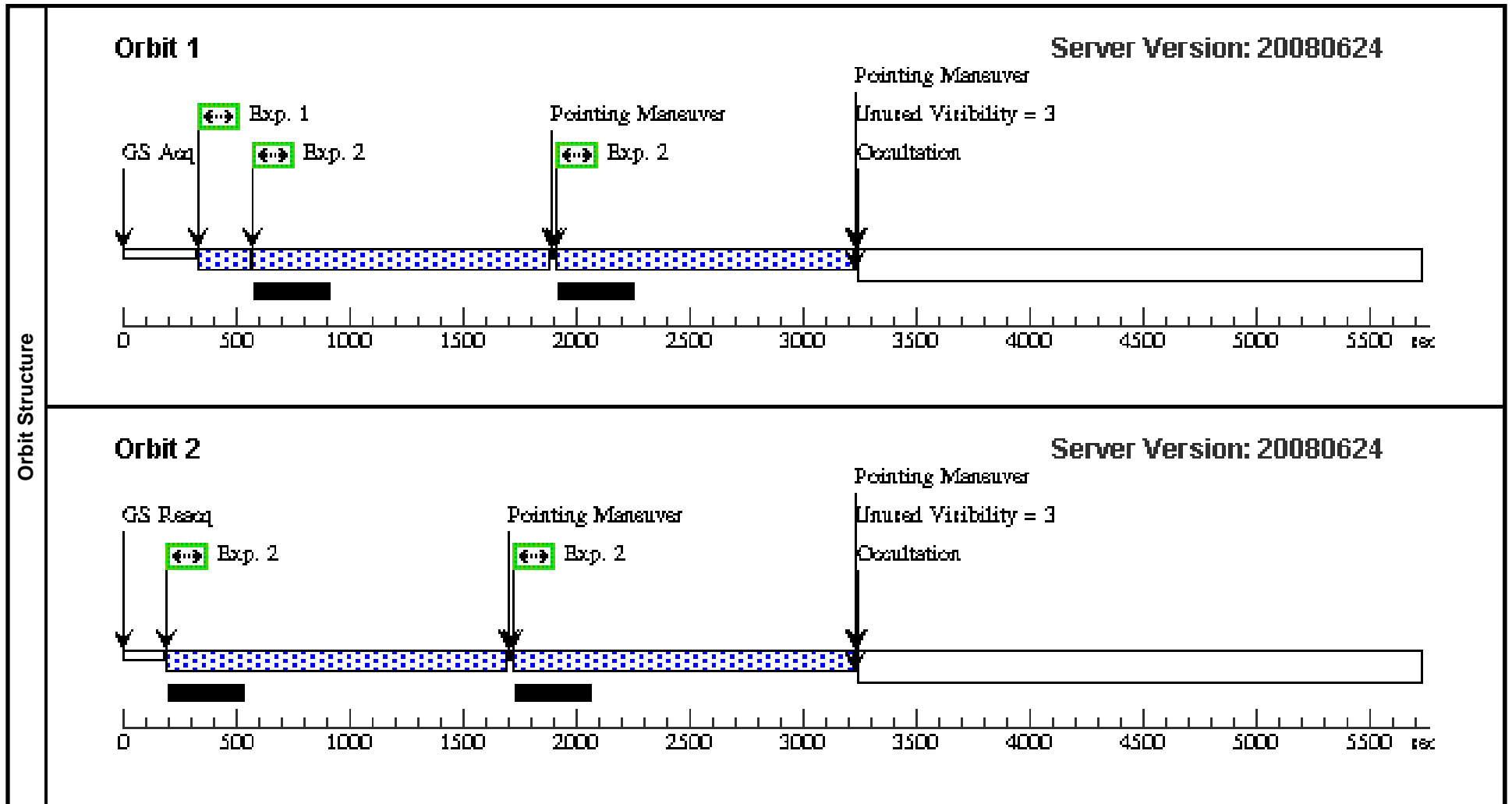


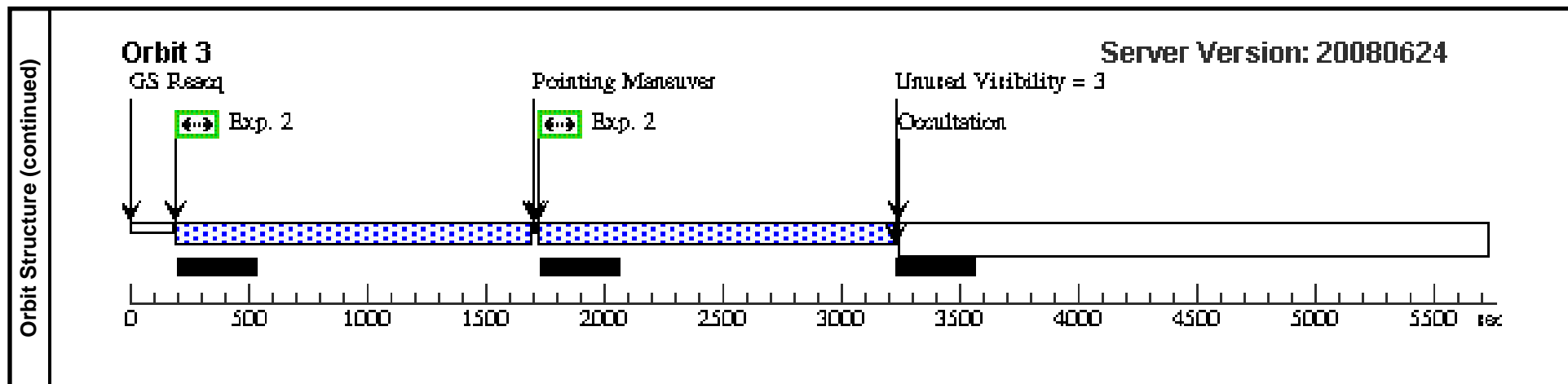


Proposal 11734 - Visit 07 - The hosts of high redshift gamma-ray bursts

Tue Jul 08 02:50:49 GMT 2008

Visit	Proposal 11734, Visit 07, implementation Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)										
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures		
		(1)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.170 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.23 Angle Between Sides= Center Pattern=false	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=.124 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false	(2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous				
	(7)	GRB-060605	RA: 21 28 37.3200 (322.1555000d) Dec: -06 03 31.30 (-6.05869d) Equinox: J2000			V=(?) R~27.0 (Vega)	Reference Frame: ICRS				
<i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i>											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(7) GRB-060605	ACS/WFC, ACCUM, WFC1	F775W				20 Secs		
									[==>]		[1]
	2		(7) GRB-060605	ACS/WFC, ACCUM, WFC1	F775W			Pattern 2-2 (1)	1150 Secs		
									[==>1183.0 Secs (Pattern 1,1)]		[1]
									[==>1183.0 Secs (Pattern 1,2)]		[1]
								[==>1374.0 Secs (Pattern 2,1)]		[2]	
								[==>1374.0 Secs (Pattern 2,2)]		[2]	
								[==>1374.0 Secs (Pattern 3,1)]		[3]	
								[==>1374.0 Secs (Pattern 3,2)]		[3]	

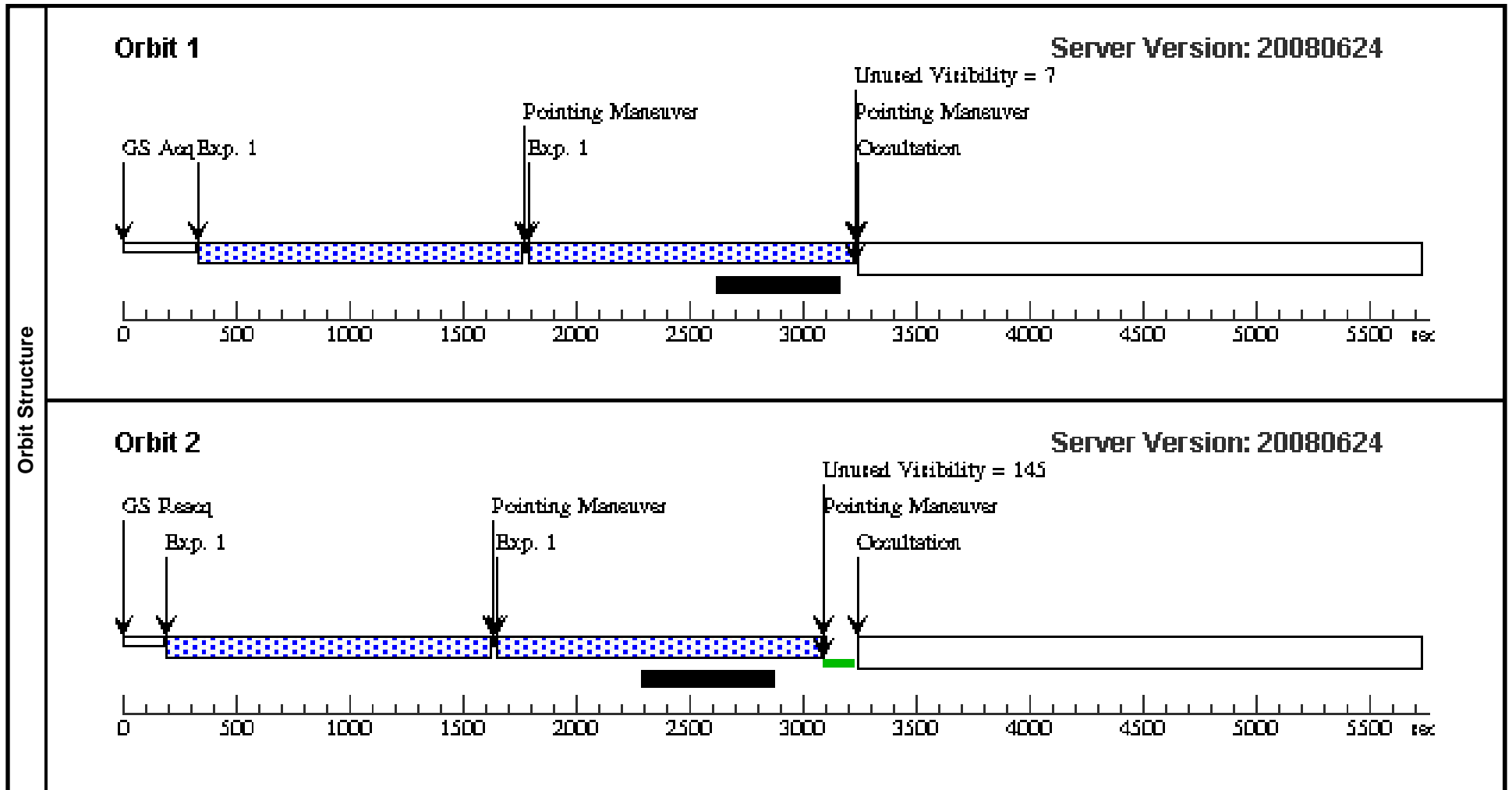


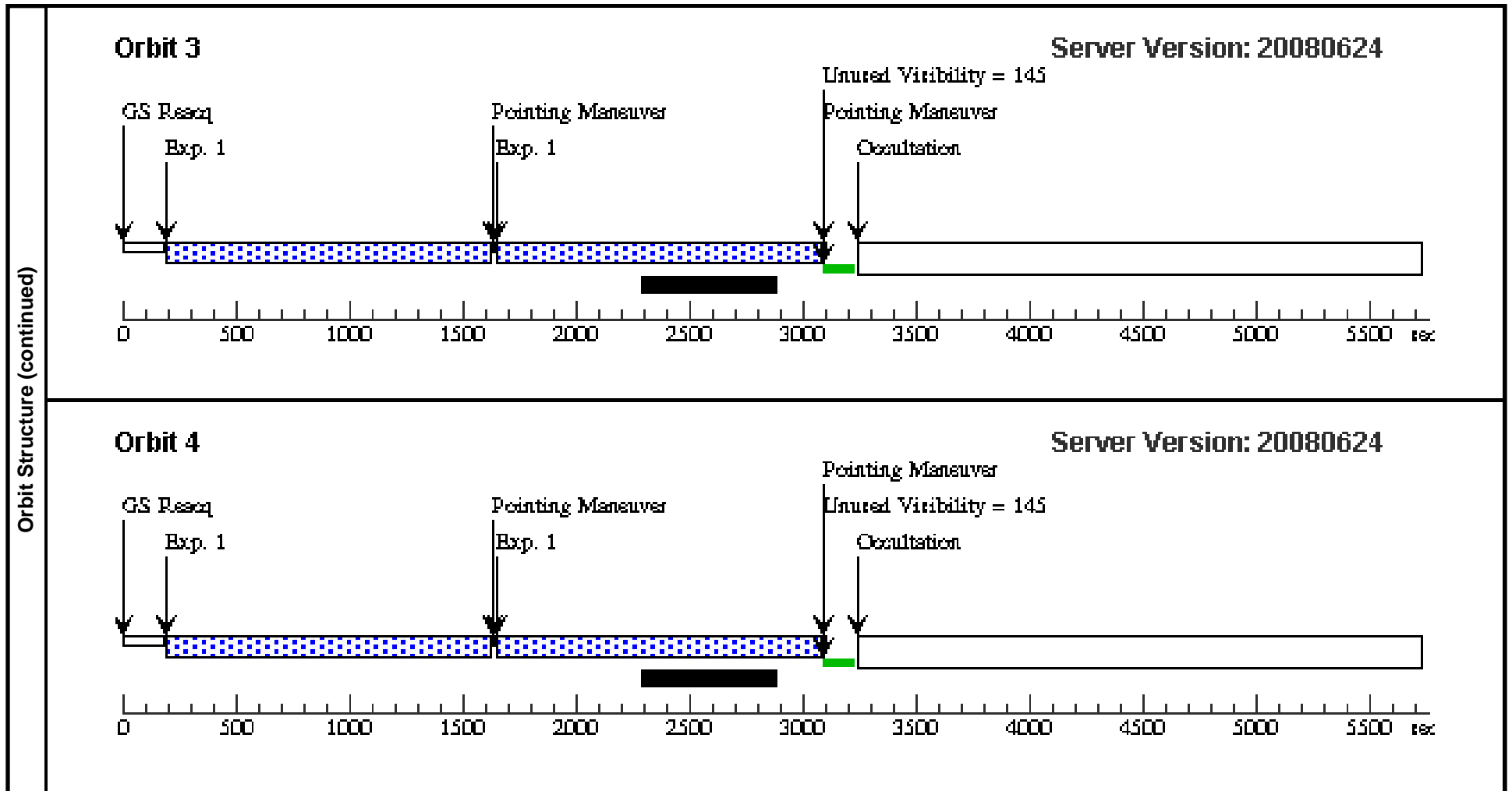


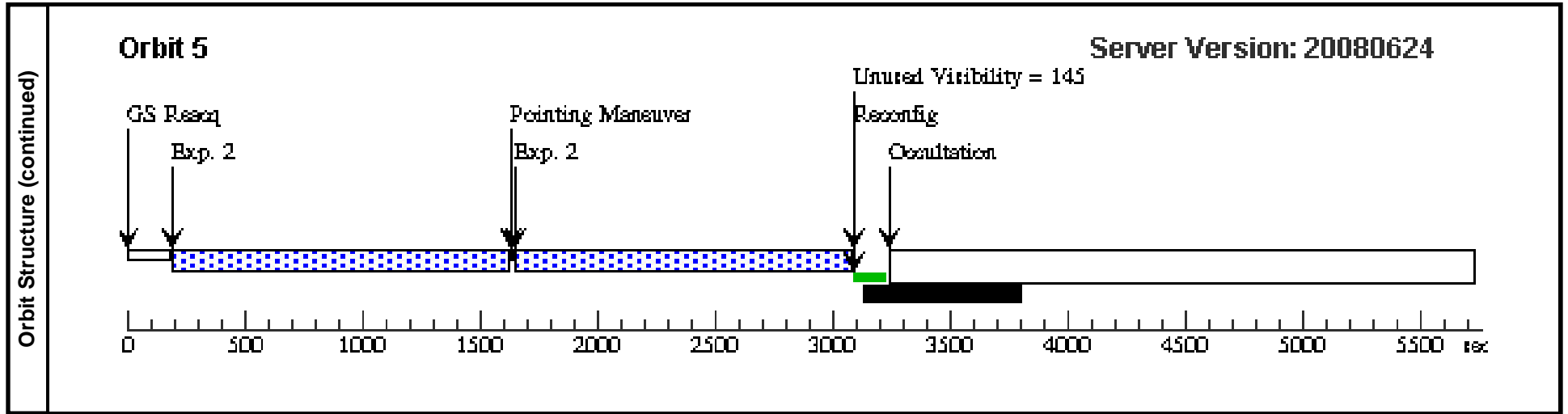
Proposal 11734 - Visit 08 - The hosts of high redshift gamma-ray bursts

Tue Jul 08 02:50:50 GMT 2008

Visit	Proposal 11734, Visit 08, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
(3)		Pattern Type=BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false	(1)				
(4)		Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false			(2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(8)	GRB-060927	RA: 21 58 11.9300 (329.5497083d) Dec: +05 21 50.32 (5.36398d) Equinox: J2000		V=(?) H > 26 (AB)	Reference Frame: ICRS				
<i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i>										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(8) GRB-060927	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=14; SAMP-SEQ=STEP2 00		Pattern 1-1 (3)	[=>(Pattern 1,1)]	[1]
									[=>(Pattern 1,2)]	[2]
									[=>(Pattern 2,1)]	[3]
									[=>(Pattern 2,2)]	[4]
									[=>(Pattern 3,1)]	[4]
2		(8) GRB-060927	WFC3/IR, MULTIACCUM, IR	F110W	NSAMP=14; SAMP-SEQ=STEP2 00		Pattern 2-2 (4)	[=>(Pattern 4,1)]	[5]	
								[=>(Pattern 4,2)]	[5]	



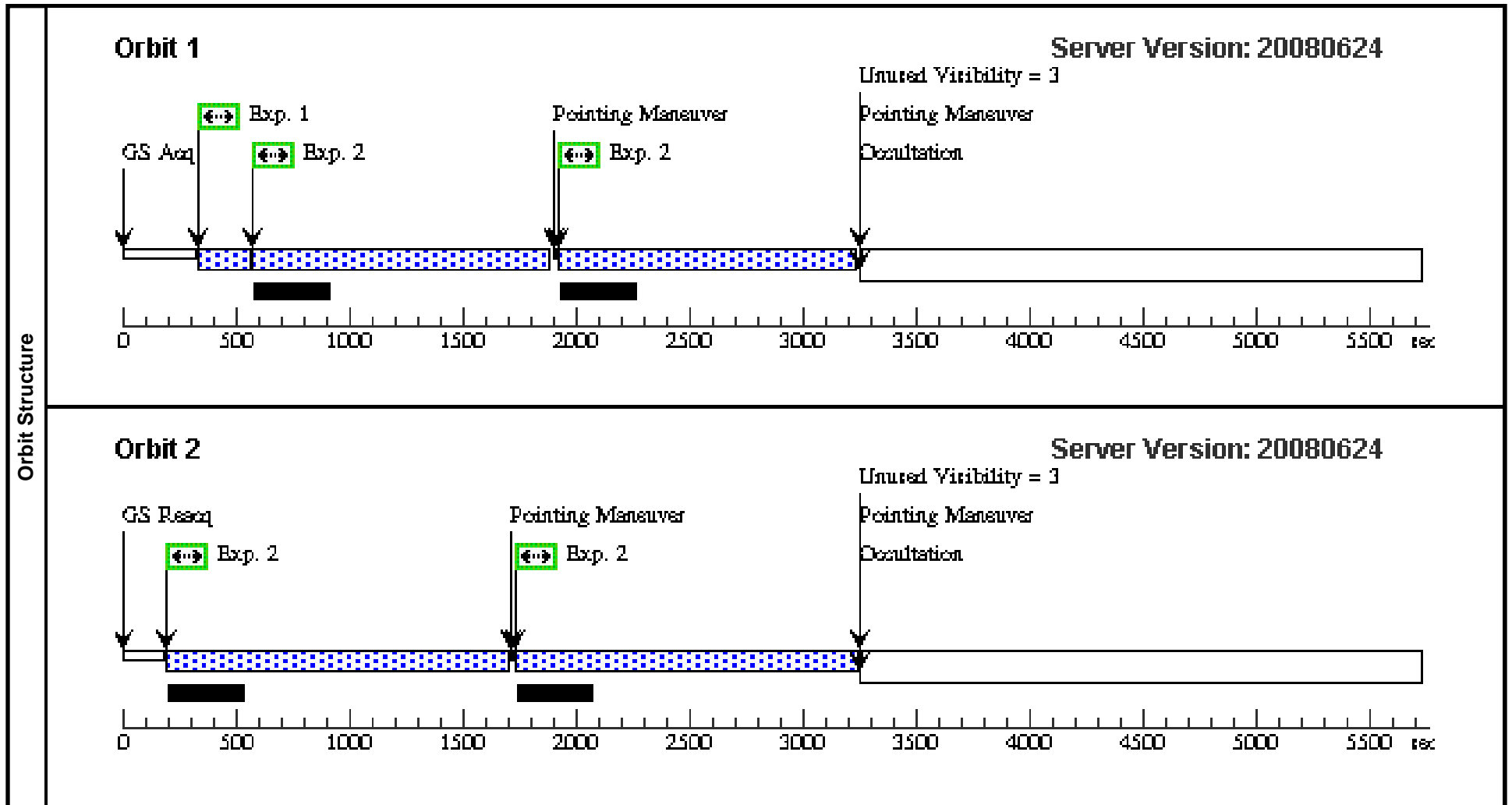


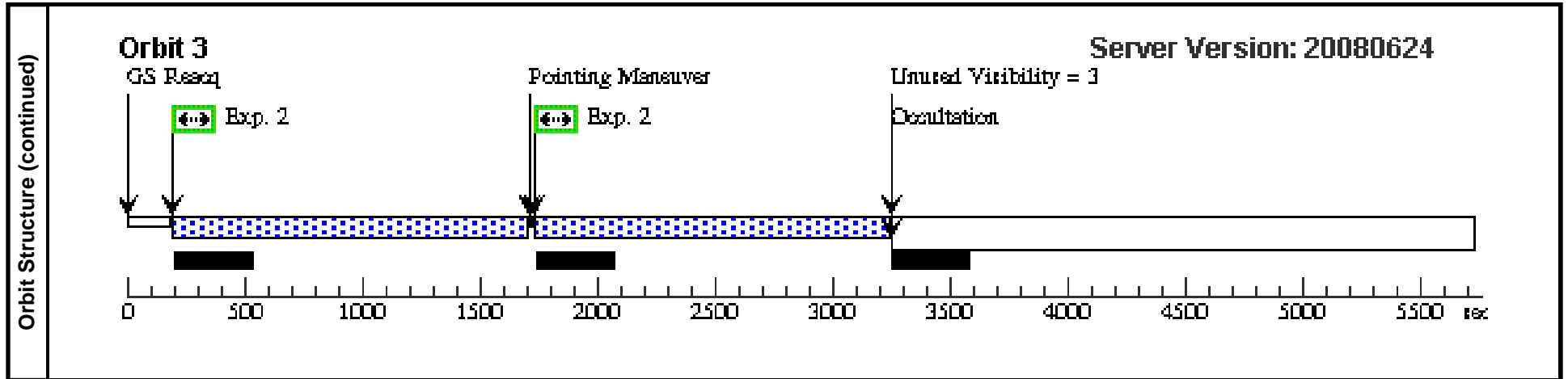


Proposal 11734 - Visit 09 - The hosts of high redshift gamma-ray bursts

Tue Jul 08 02:50:51 GMT 2008

Visit	Proposal 11734, Visit 09, implementation Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.170 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.23 Angle Between Sides= Center Pattern=false	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=.124 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false	(2)			
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(9)	GRB-060607	RA: 21 58 50.4000 (329.7100000d) Dec: -22 29 47.40 (-22.49650d) Equinox: J2000			V=(?) R>27.2 (Vega)	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(9) GRB-060607	ACS/WFC, ACCUM, WFC1	F775W				20 Secs	
									[==>]	[1]
	2		(9) GRB-060607	ACS/WFC, ACCUM, WFC1	F775W			Pattern 2-2 (1)	1150 Secs	
									[==>1191.0 Secs (Pattern 1,1)]	[1]
									[==>1191.0 Secs (Pattern 1,2)]	
								[==>1382.0 Secs (Pattern 2,1)]	[2]	
								[==>1382.0 Secs (Pattern 2,2)]		
								[==>1382.0 Secs (Pattern 3,1)]		
								[==>1382.0 Secs (Pattern 3,2)]	[3]	

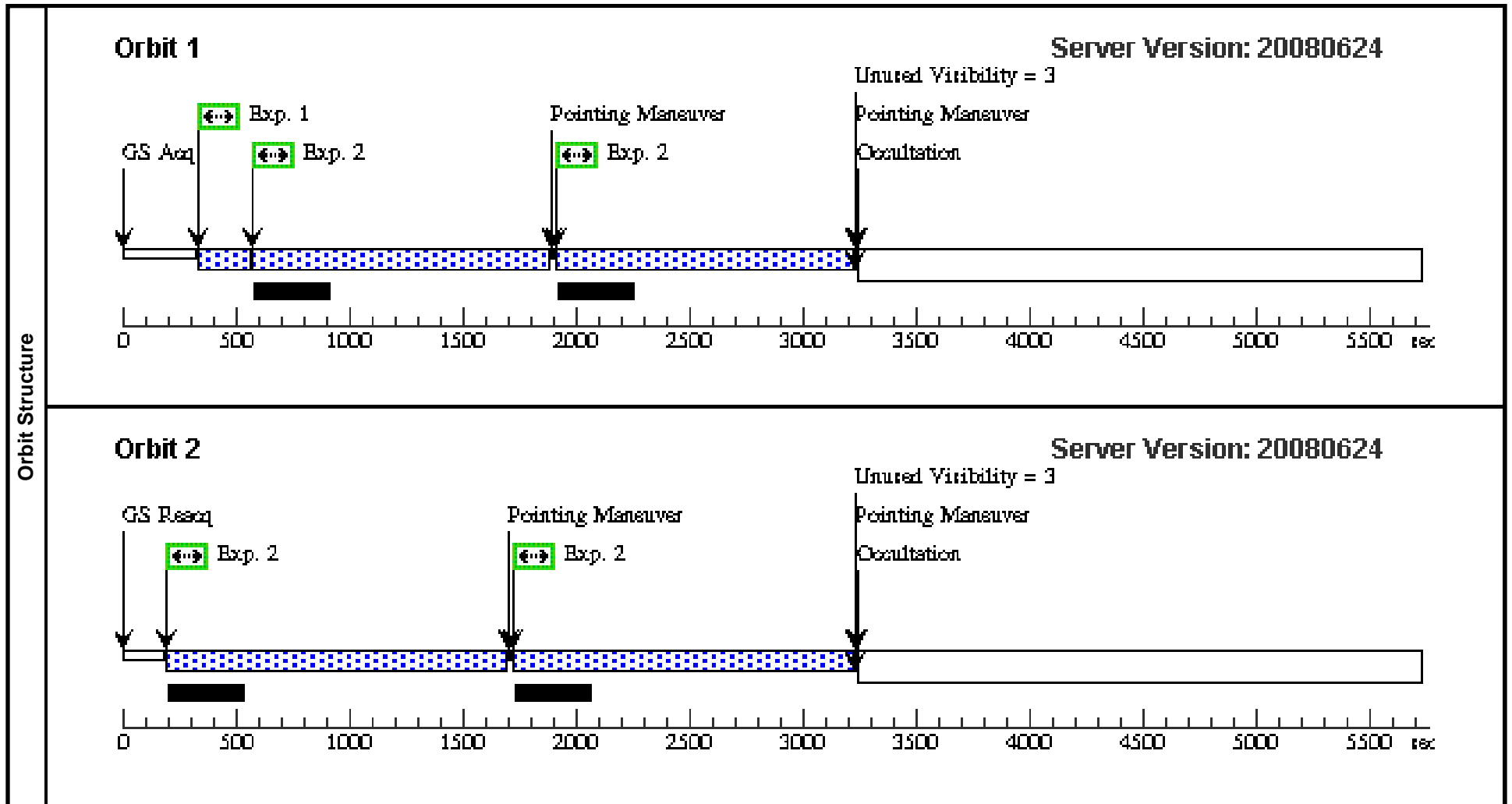


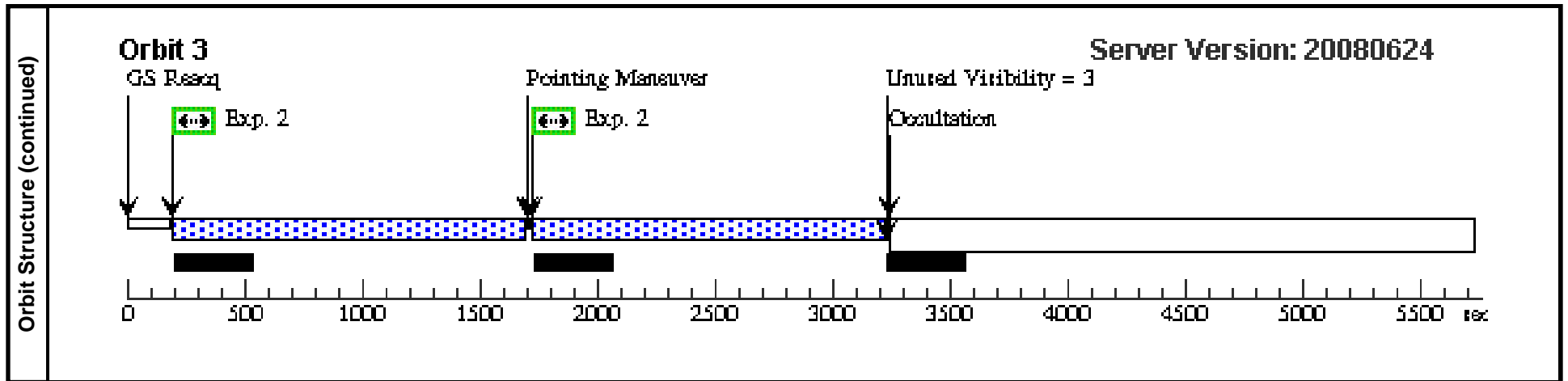


Proposal 11734 - Visit 10 - The hosts of high redshift gamma-ray bursts

Tue Jul 08 02:50:51 GMT 2008

Visit	Proposal 11734, Visit 10, implementation Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)										
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures		
		(1)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.170 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.23 Angle Between Sides= Center Pattern=false	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=.124 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false	(2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous				
	(10)	GRB-061110B	RA: 21 35 40.4000 (323.9183333d) Dec: +06 52 34.10 (6.87614d) Equinox: J2000			V=(?) R > 26.5 (Vega)	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(10) GRB-061110B	ACS/WFC, ACCUM, WFC1	F775W				20 Secs		
									[==>]		[1]
	2		(10) GRB-061110B	ACS/WFC, ACCUM, WFC1	F775W			Pattern 2-2 (1)	1150 Secs		
									[==>1183.0 Secs (Pattern 1,1)]		[1]
									[==>1183.0 Secs (Pattern 1,2)]		[1]
								[==>1374.0 Secs (Pattern 2,1)]		[2]	
								[==>1374.0 Secs (Pattern 2,2)]		[2]	
								[==>1374.0 Secs (Pattern 3,1)]		[3]	
								[==>1374.0 Secs (Pattern 3,2)]		[3]	





Proposal 11734 - Visit 11 - The hosts of high redshift gamma-ray bursts

Tue Jul 08 02:50:51 GMT 2008

Visit	Proposal 11734, Visit 11, implementation Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.170 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.23 Angle Between Sides= Center Pattern=false	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=.124 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false	(2)			
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(11)	GRB-070721B	RA: 02 12 32.9700 (33.1373750d) Dec: -02 11 40.40 (-2.19456d) Equinox: J2000			V=(?) R > 26.5 (Vega)	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(11) GRB-070721B	ACS/WFC, ACCUM, WFC1	F775W				20 Secs	
									[==>]	[1]
	2		(11) GRB-070721B	ACS/WFC, ACCUM, WFC1	F775W			Pattern 2-2 (1)	1150 Secs	
									[==>1180.0 Secs (Pattern 1,1)]	[1]
									[==>1180.0 Secs (Pattern 1,2)]	[1]
								[==>1371.0 Secs (Pattern 2,1)]	[2]	
								[==>1371.0 Secs (Pattern 2,2)]	[2]	
								[==>1371.0 Secs (Pattern 3,1)]	[3]	
								[==>1371.0 Secs (Pattern 3,2)]	[3]	

