



12190 - WFC3/IR Spectroscopy of the Highest Redshift Black Hole Candidates

Cycle: 18, Proposal Category: GO

(Availability Mode: SUPPORTED)

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Proposal 12190 (STScI Edit Number: 2, Created: Tuesday, August 9, 2011 8:15:35 PM EST) - Overview

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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) CDFS-AGN1	WFC3/IR	2	09-Aug-2011 21:13:21.0	yes
02	(1) CDFS-AGN1	WFC3/IR	2	09-Aug-2011 21:13:31.0	yes
03	(1) CDFS-AGN1	WFC3/IR	2	09-Aug-2011 21:13:41.0	yes
04	(1) CDFS-AGN1	WFC3/IR	2	09-Aug-2011 21:13:49.0	yes
05	(2) CDFS-AGN2	WFC3/IR	2	09-Aug-2011 21:13:57.0	yes
06	(2) CDFS-AGN2	WFC3/IR	2	09-Aug-2011 21:14:05.0	yes
07	(1) CDFS-AGN1	WFC3/IR	2	09-Aug-2011 21:14:14.0	yes

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
08	(1) CDFS-AGN1	WFC3/IR	2	09-Aug-2011 21:14:22.0	yes
09	(1) CDFS-AGN1	WFC3/IR	2	09-Aug-2011 21:14:30.0	yes
10	(1) CDFS-AGN1	WFC3/IR	2	09-Aug-2011 21:14:39.0	yes
11	(2) CDFS-AGN2	WFC3/IR	2	09-Aug-2011 21:14:47.0	yes
12	(2) CDFS-AGN2	WFC3/IR	2	09-Aug-2011 21:14:54.0	yes
13	(3) COSMOS-AGN1	WFC3/IR	2	09-Aug-2011 21:15:02.0	yes
14	(4) COSMOS-AGN2	WFC3/IR	2	09-Aug-2011 21:15:14.0	yes
15	(3) COSMOS-AGN1	WFC3/IR	2	09-Aug-2011 21:15:21.0	yes
16	(4) COSMOS-AGN2	WFC3/IR	2	09-Aug-2011 21:15:29.0	yes

32 Total Orbits Used

ABSTRACT

We propose to obtain WFC3/IR grism spectroscopy of our most robust sample of $z > 7$ active galactic nuclei (AGN), selected from the most extensive X-ray and multiband surveys to date, drawing from both GOODS and COSMOS. These sources are the most robust $z > 7$ candidate AGN that have been selected from any surveys to date, and represent our best opportunity to understand the formation and growth of black holes, and their role in galaxy evolution, within the first 800 Myr of cosmic time. A key mystery in our understanding of black hole growth is how they are able to grow so rapidly by $z \sim 6.4$, which is the highest redshift for any spectroscopically confirmed AGN to date. Extensive ground-based NIR spectroscopic efforts on 8-10m telescopes to extend this redshift frontier to more distant AGN have so far proved fruitless, predominantly limited by the ground-based IR sky and the faintness of these sources. The unique gains afforded by WFC3/IR now provide us with the ability to open up this piece of parameter space, crucial to understanding how these sources form and evolve. We will also search for signatures of star formation that may be occurring in conjunction with the black hole feeding phase, which is of particular importance in the context of scenarios that invoke rapid accretion-driven black growth at these early epochs. Hence, this program will provide crucial information on our understanding of the formation and accretion processes associated with black holes in the very early universe, and how the relationships between black holes and galaxies are set in place that persist throughout the rest of cosmic time.

OBSERVING DESCRIPTION

Proposal 12190 (STScI Edit Number: 2, Created: Tuesday, August 9, 2011 8:15:35 PM EST) - Overview

We will obtain NIR spectroscopy on each of our sources using WFC3/IR with the G102 and G141 gratings, to provide the most complete wavelength coverage possible in order to characterize their continuum and line emission, as well as enabling us to place meaningful upper limits on the line fluxes if these are not detected. We would observe each source at 2 different position angles, in order to provide a robust comparison of the spectra to enable us to definitively identify real features and reject spurious ones, as well as enabling possible coaddition of the resulting spectra, together with a short image (2-3 minutes) in F140W to provide a zero-order image that will improve the accuracy of the grism wavelength calibration.

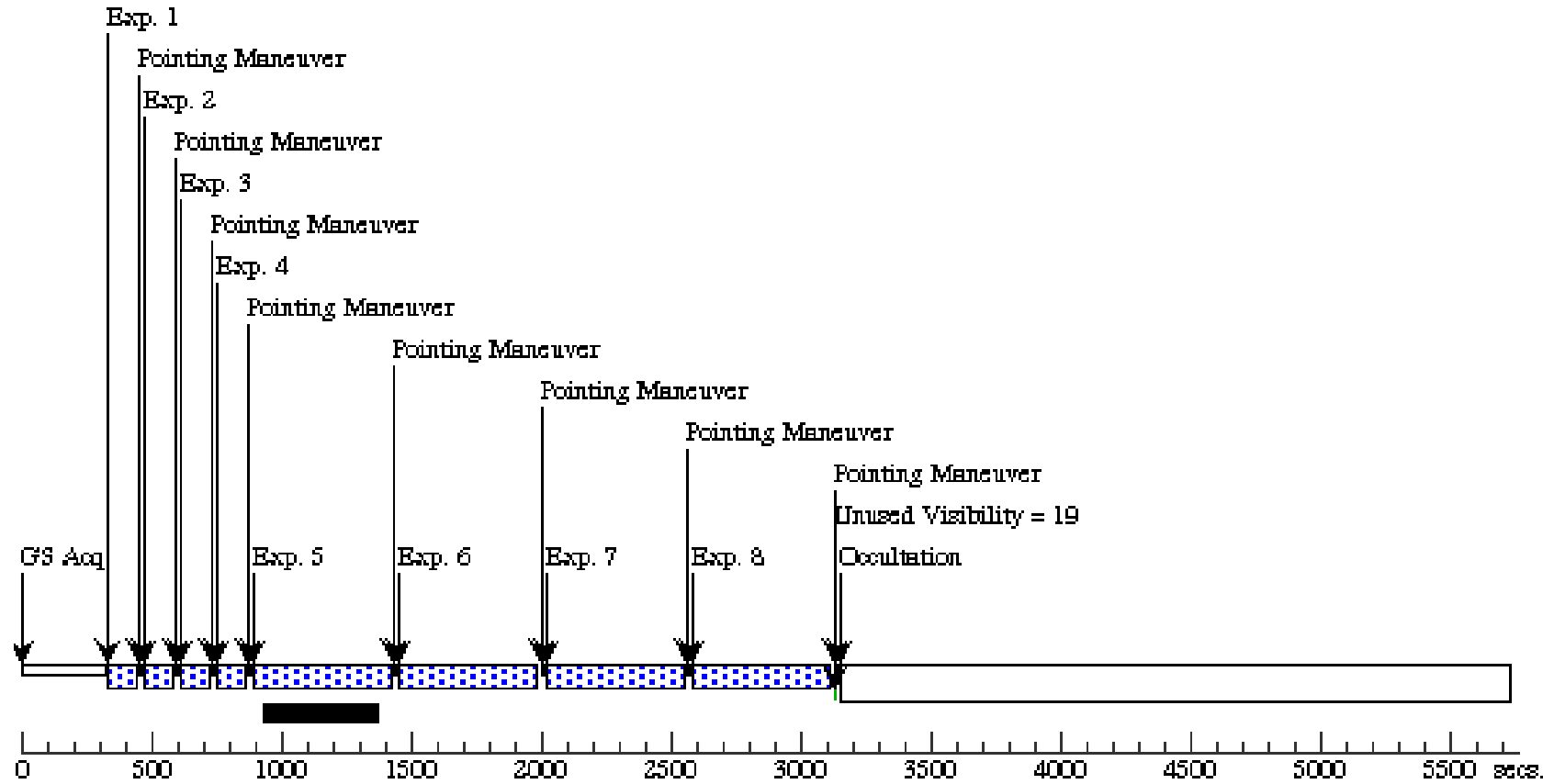
Proposal 12190 - Visit 01 - WFC3/IR Spectroscopy of the Highest Redshift Black Hole Candidates

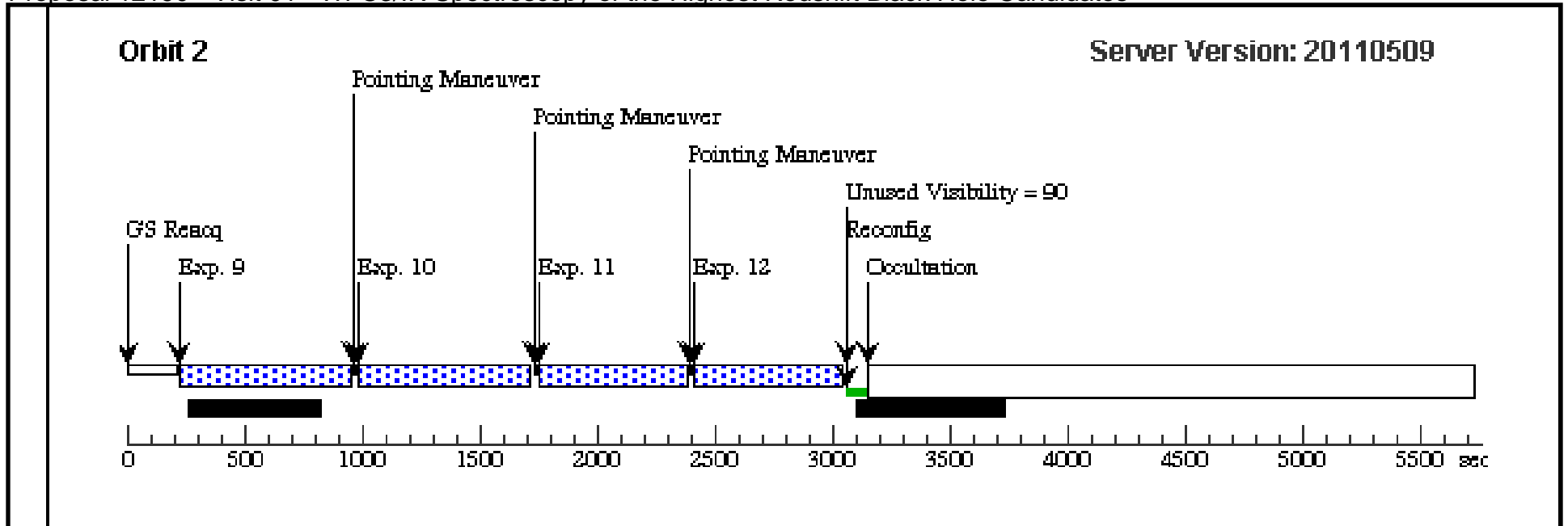
Wed Aug 10 01:15:36 GMT 2011

Visit	Proposal 12190, Visit 01, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SCHED 60%; ORIENT 263D TO 263 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	CDFS-AGN1	RA: 03 32 1.1200 (53.0046667d) Dec: -27 42 20.40 (-27.70567d) Equinox: J2000		V=30	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(1) CDFS-AGN1	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG -0.3390, -0.3033		[==>]	[1]
	2	(1) CDFS-AGN1	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG -0.6102, +0.2426		[==>]	[1]
	3	(1) CDFS-AGN1	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG +0.2712 ,+0.3033		[==>]	[1]
	4	(1) CDFS-AGN1	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG +0.5424 ,-0.2426		[==>]	[1]
	5	(1) CDFS-AGN1	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG -0.3390, -0.3033		[==>]	[1]
	6	(1) CDFS-AGN1	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG -0.6102, +0.2426		[==>]	[1]
	7	(1) CDFS-AGN1	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG +0.2712 ,+0.3033		[==>]	[1]
	8	(1) CDFS-AGN1	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG +0.5424 ,-0.2426		[==>]	[1]
	9	(1) CDFS-AGN1	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=8	POS TARG -0.3390, -0.3033		[==>]	[2]
	10	(1) CDFS-AGN1	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=8	POS TARG -0.6102, +0.2426		[==>]	[2]
	11	(1) CDFS-AGN1	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=7	POS TARG +0.2712 ,+0.3033		[==>]	[2]
12	(1) CDFS-AGN1	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=7	POS TARG +0.5424 ,-0.2426		[==>]	[2]	

Orbit Structure

Orbit 1





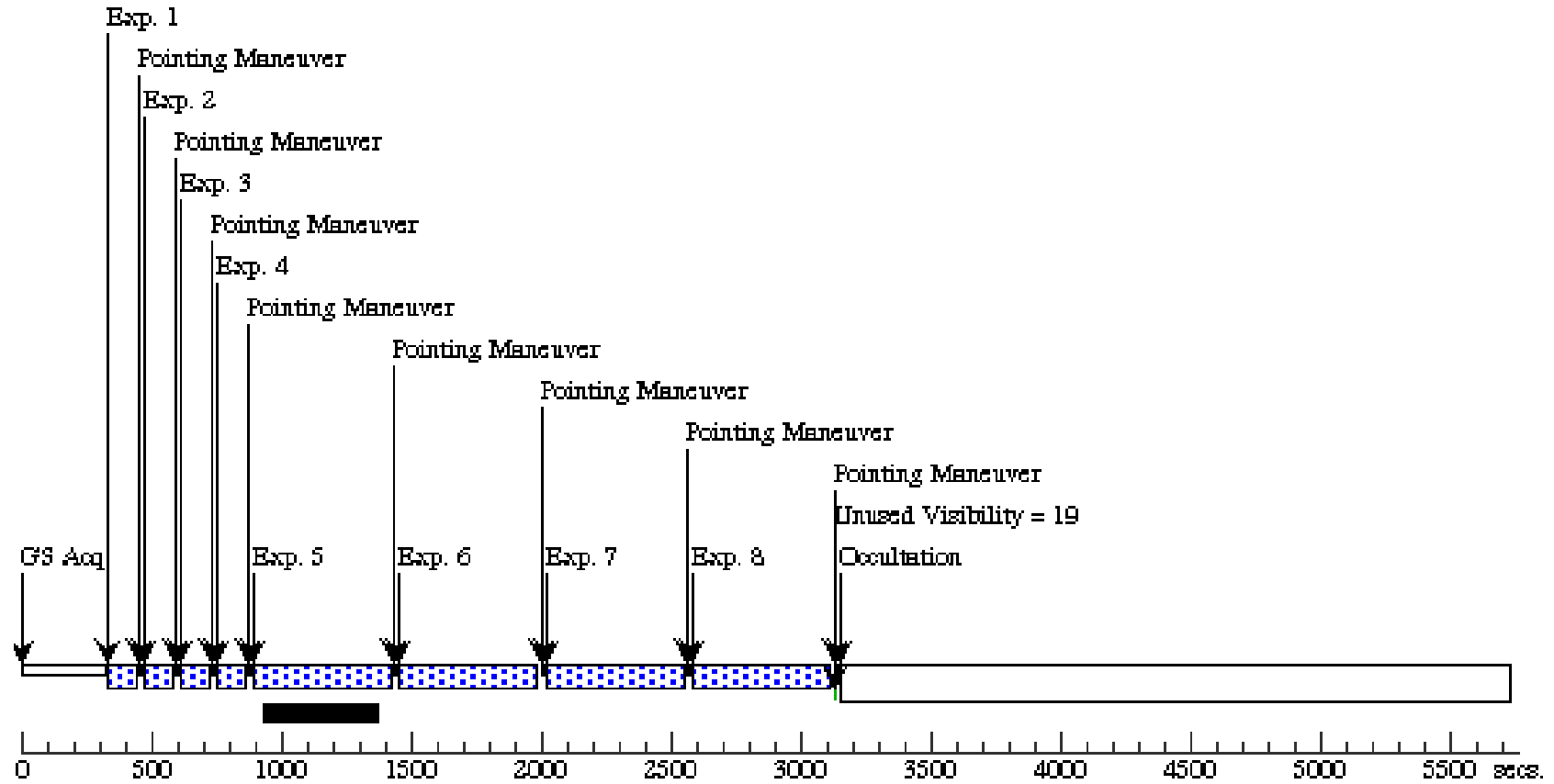
Proposal 12190 - Visit 02 - WFC3/IR Spectroscopy of the Highest Redshift Black Hole Candidates

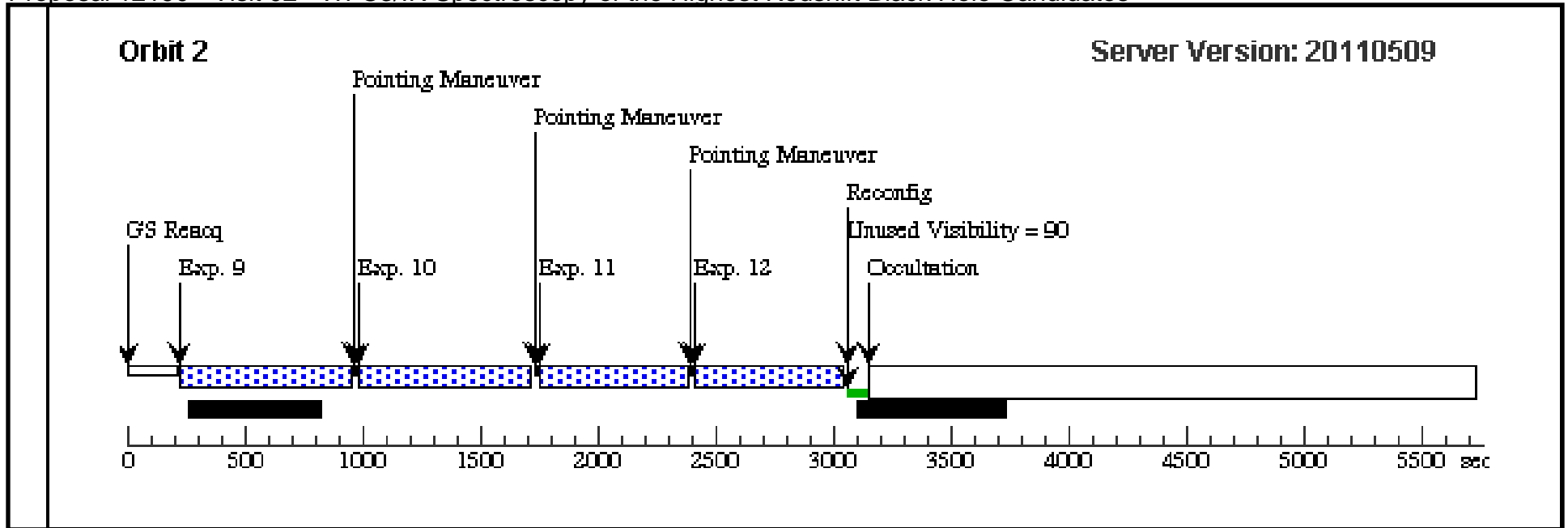
Wed Aug 10 01:15:38 GMT 2011

Visit	Proposal 12190, Visit 02, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SCHED 60%; ORIENT 263D TO 263 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	CDFS-AGN1	RA: 03 32 1.1200 (53.0046667d) Dec: -27 42 20.40 (-27.70567d) Equinox: J2000			V=30	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(1) CDFS-AGN1	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG -0.3390, -0.3033		[==>]	[1]
	2	(1) CDFS-AGN1	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG -0.6102, +0.2426		[==>]	[1]
	3	(1) CDFS-AGN1	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG +0.2712, +0.3033		[==>]	[1]
	4	(1) CDFS-AGN1	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG +0.5424, -0.2426		[==>]	[1]
	5	(1) CDFS-AGN1	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG -0.3390, -0.3033		[==>]	[1]
	6	(1) CDFS-AGN1	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG -0.6102, +0.2426		[==>]	[1]
	7	(1) CDFS-AGN1	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG +0.2712, +0.3033		[==>]	[1]
	8	(1) CDFS-AGN1	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG +0.5424, -0.2426		[==>]	[1]
	9	(1) CDFS-AGN1	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=8	POS TARG -0.3390, -0.3033		[==>]	[2]
	10	(1) CDFS-AGN1	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=8	POS TARG -0.6102, +0.2426		[==>]	[2]
	11	(1) CDFS-AGN1	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=7	POS TARG +0.2712, +0.3033		[==>]	[2]
12	(1) CDFS-AGN1	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=7	POS TARG +0.5424, -0.2426		[==>]	[2]	

Orbit Structure

Orbit 1





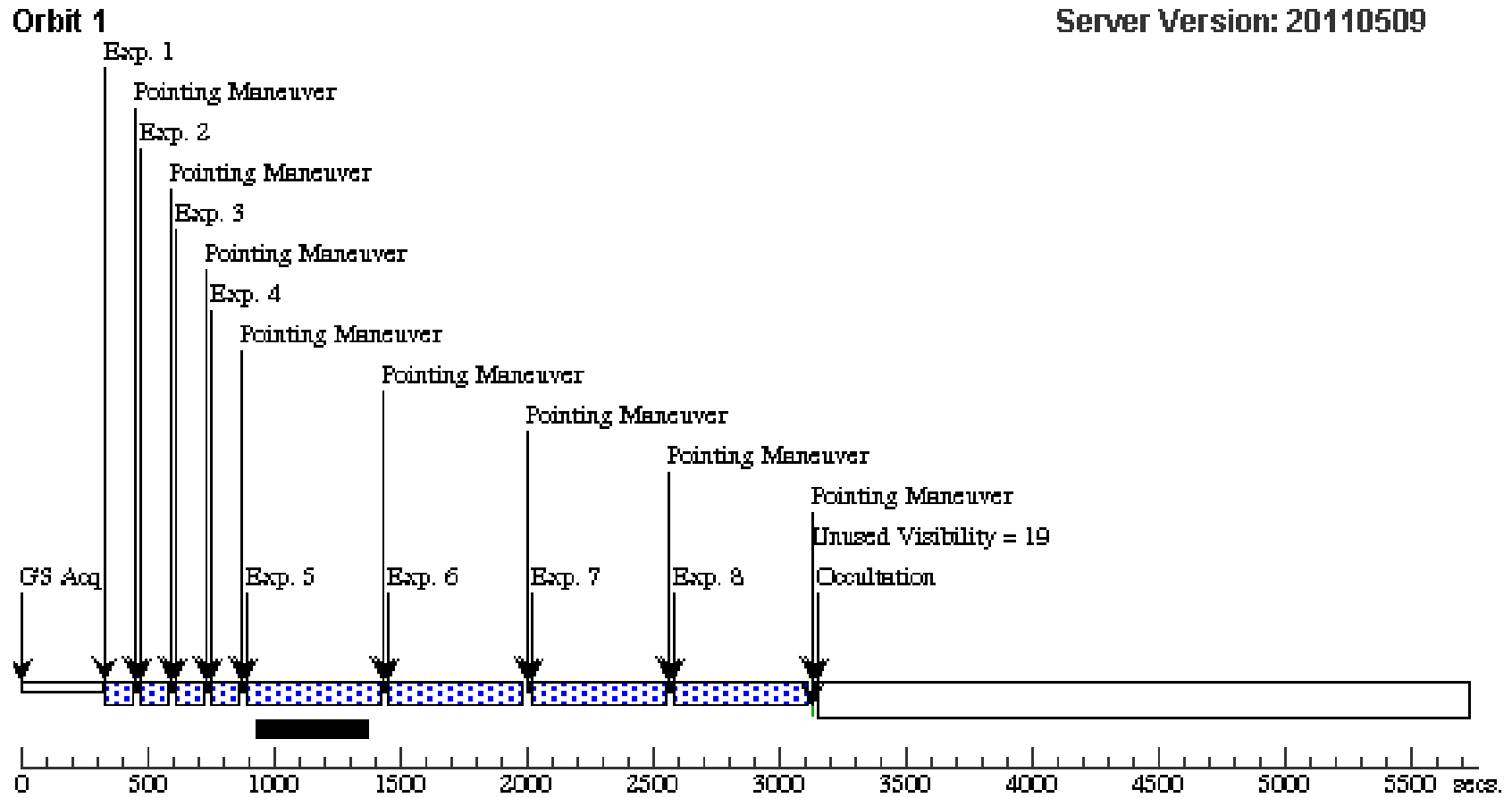
Proposal 12190 - Visit 03 - WFC3/IR Spectroscopy of the Highest Redshift Black Hole Candidates

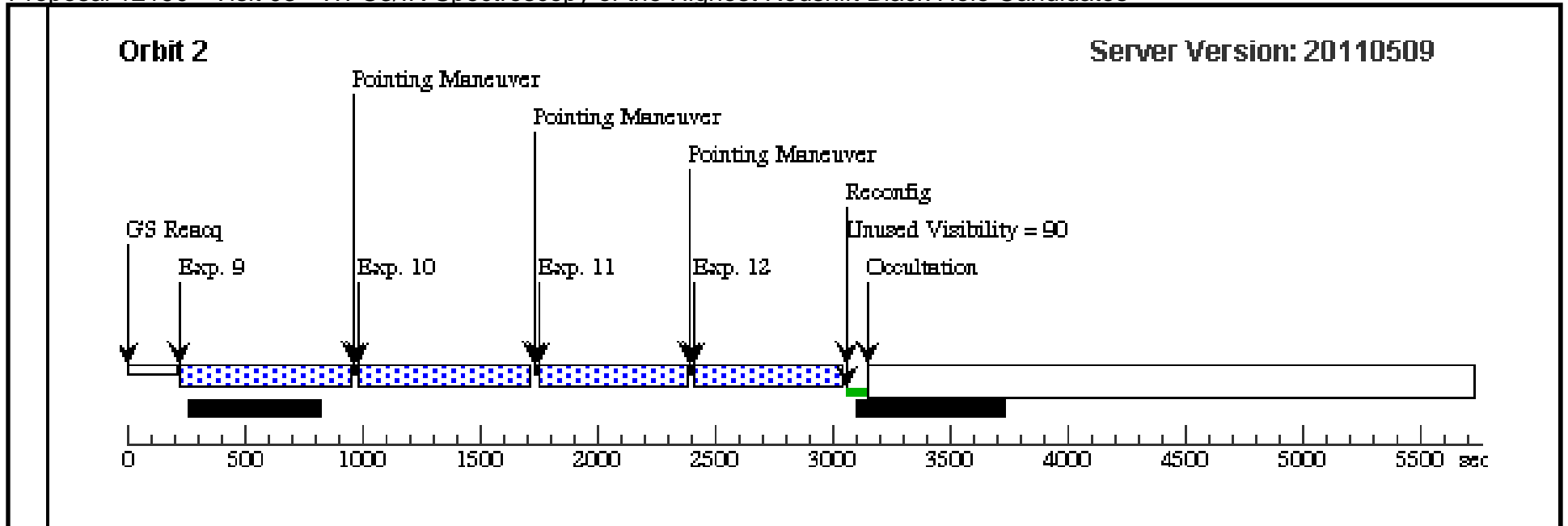
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Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	CDFS-AGN1	RA: 03 32 1.1200 (53.0046667d) Dec: -27 42 20.40 (-27.70567d) Equinox: J2000			V=30

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG -0.3390, -0.3033	[==>]	[1]		
	2	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG -0.6102, +0.2426	[==>]	[1]		
	3	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG +0.2712 ,+0.3033	[==>]	[1]		
	4	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG +0.5424 ,-0.2426	[==>]	[1]		
	5	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG -0.3390, -0.3033	[==>]	[1]		
	6	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG -0.6102, +0.2426	[==>]	[1]		
	7	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG +0.2712 ,+0.3033	[==>]	[1]		
	8	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG +0.5424 ,-0.2426	[==>]	[1]		
	9	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=8	POS TARG -0.3390, -0.3033	[==>]	[2]		
	10	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=8	POS TARG -0.6102, +0.2426	[==>]	[2]		
	11	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=7	POS TARG +0.2712 ,+0.3033	[==>]	[2]		
	12	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=7	POS TARG +0.5424 ,-0.2426	[==>]	[2]		

Orbit Structure



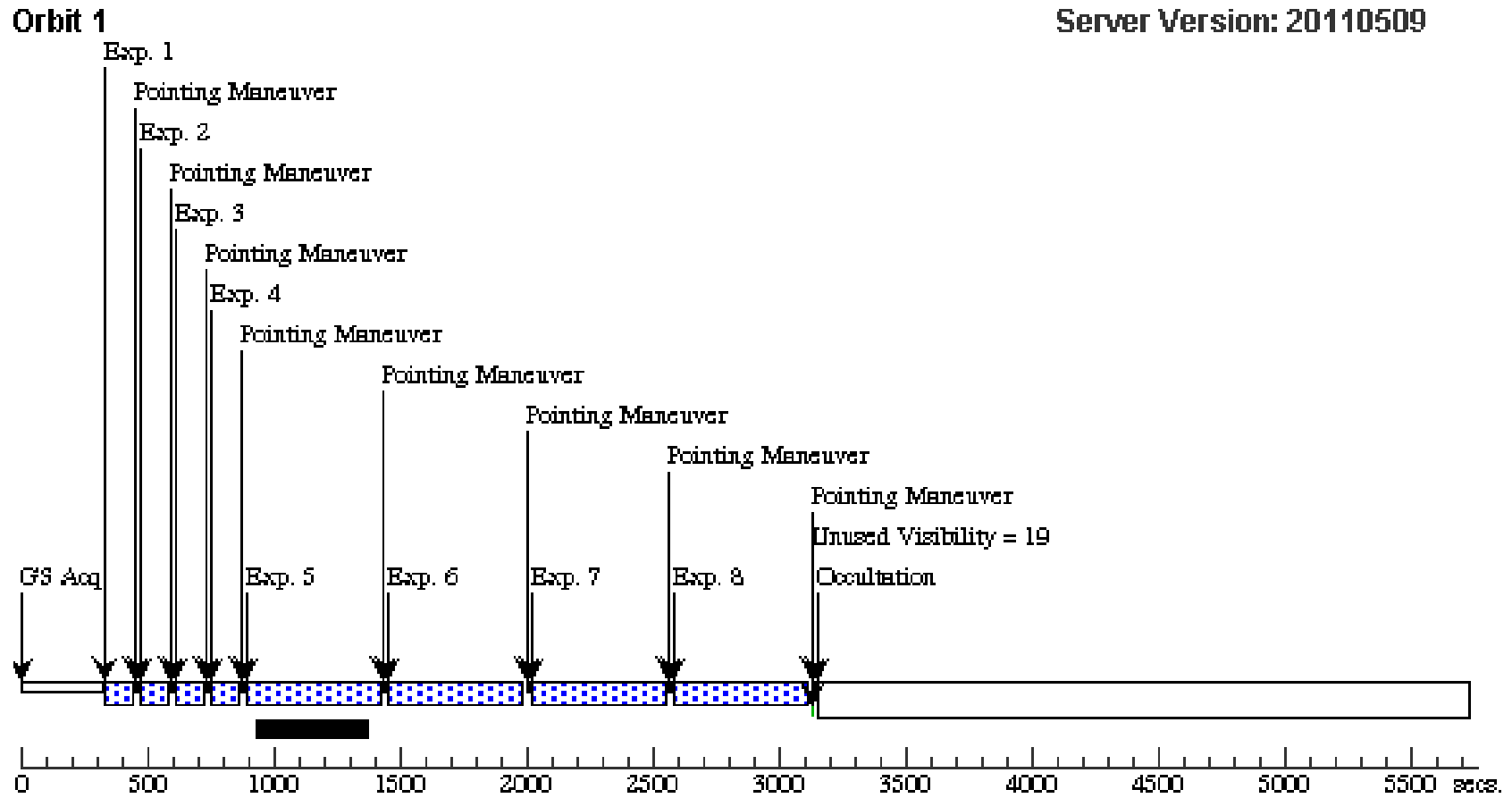


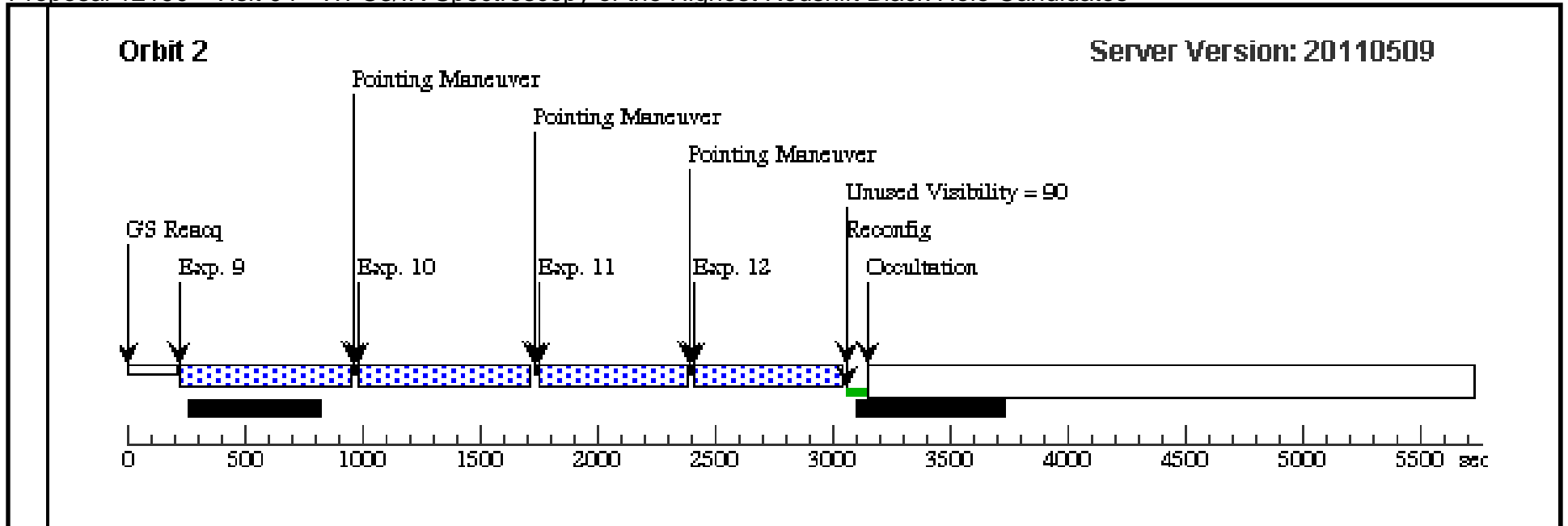
Proposal 12190 - Visit 04 - WFC3/IR Spectroscopy of the Highest Redshift Black Hole Candidates

Wed Aug 10 01:15:40 GMT 2011

Visit	Proposal 12190, Visit 04, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SCHED 60%; ORIENT 263D TO 263 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	CDFS-AGN1	RA: 03 32 1.1200 (53.0046667d) Dec: -27 42 20.40 (-27.70567d) Equinox: J2000		V=30	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG -0.3390, -0.3033	[==>]		[1]	
	2	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG -0.6102, +0.2426	[==>]		[1]	
	3	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG +0.2712 ,+0.3033	[==>]		[1]	
	4	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG +0.5424 ,-0.2426	[==>]		[1]	
	5	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG -0.3390, -0.3033	[==>]		[1]	
	6	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG -0.6102, +0.2426	[==>]		[1]	
	7	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG +0.2712 ,+0.3033	[==>]		[1]	
	8	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG +0.5424 ,-0.2426	[==>]		[1]	
	9	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=8	POS TARG -0.3390, -0.3033	[==>]		[2]	
	10	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=8	POS TARG -0.6102, +0.2426	[==>]		[2]	
	11	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=7	POS TARG +0.2712 ,+0.3033	[==>]		[2]	
12	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=7	POS TARG +0.5424 ,-0.2426	[==>]		[2]		

Orbit Structure





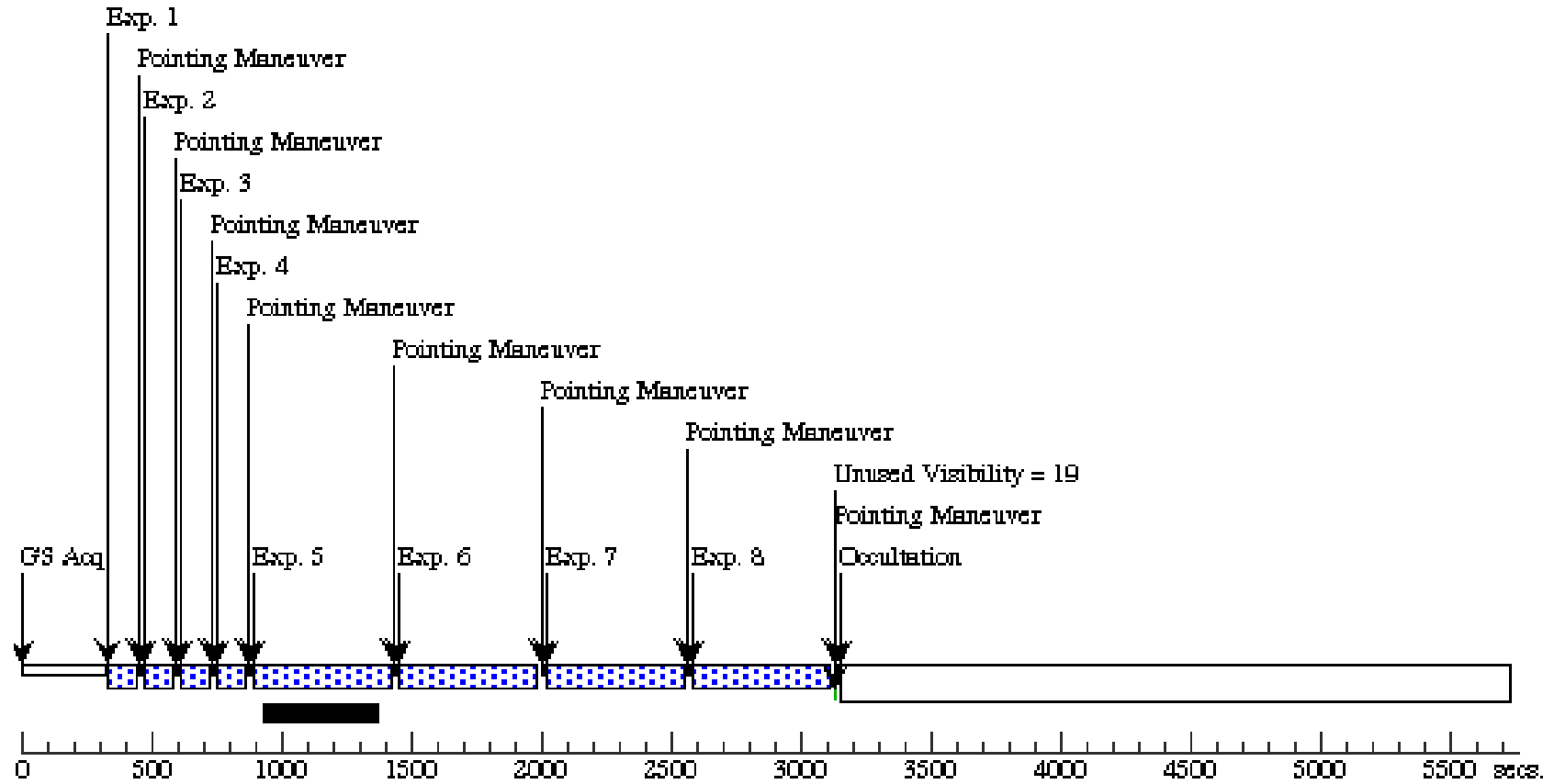
Proposal 12190 - Visit 05 - WFC3/IR Spectroscopy of the Highest Redshift Black Hole Candidates

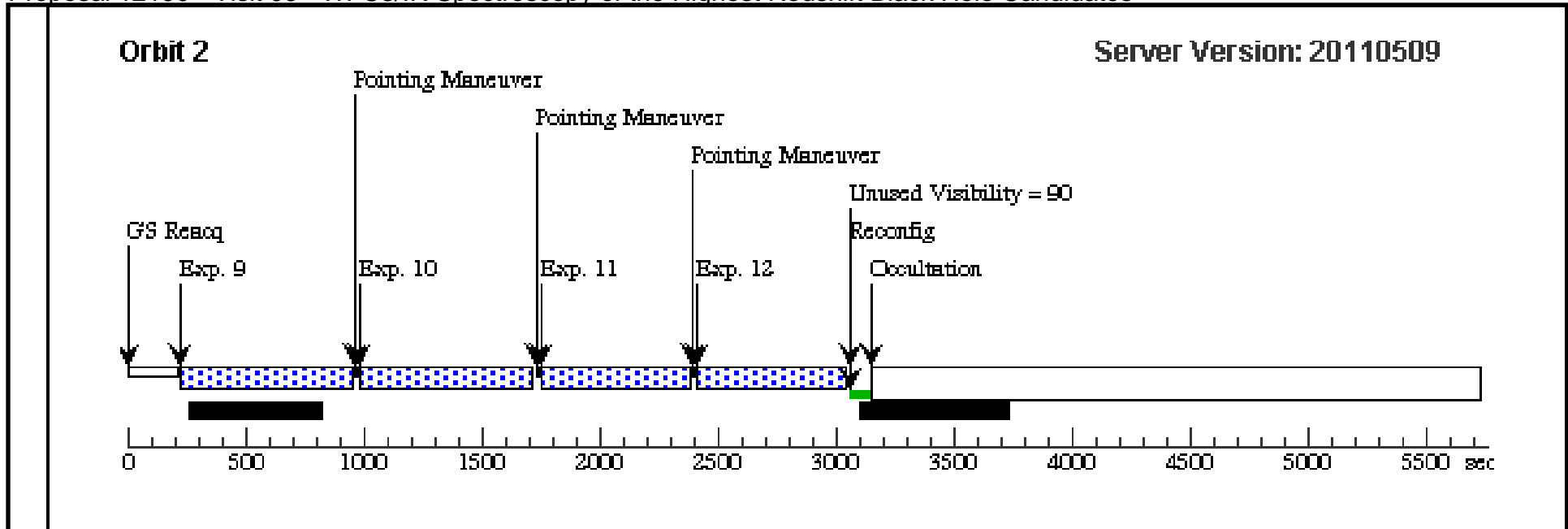
Wed Aug 10 01:15:40 GMT 2011

Fixed Targets	Visit									
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	Proposal 12190, Visit 05, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SCHED 60%; ORIENT 263D TO 263 D									
	(2)	CDFS-AGN2	RA: 03 32 48.8800 (53.2036667d) Dec: -27 50 44.50 (-27.84569d) Equinox: J2000		V=30	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(2)	CDFS-AGN2	WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG -0.3390, -0.3033		[==>]	[1]
	2	(2)	CDFS-AGN2	WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG -0.6102, +0.2426		[==>]	[1]
	3	(2)	CDFS-AGN2	WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG +0.2712 ,+0.3033		[==>]	[1]
	4	(2)	CDFS-AGN2	WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG +0.5424 ,-0.2426		[==>]	[1]
	5	(2)	CDFS-AGN2	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG -0.3390, -0.3033		[==>]	[1]
	6	(2)	CDFS-AGN2	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG -0.6102, +0.2426		[==>]	[1]
	7	(2)	CDFS-AGN2	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG +0.2712 ,+0.3033		[==>]	[1]
	8	(2)	CDFS-AGN2	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG +0.5424 ,-0.2426		[==>]	[1]
	9	(2)	CDFS-AGN2	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=8	POS TARG -0.3390, -0.3033		[==>]	[2]
	10	(2)	CDFS-AGN2	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=8	POS TARG -0.6102, +0.2426		[==>]	[2]
	11	(2)	CDFS-AGN2	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=7	POS TARG +0.2712 ,+0.3033		[==>]	[2]
	12	(2)	CDFS-AGN2	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=7	POS TARG +0.5424 ,-0.2426		[==>]	[2]

Orbit Structure

Orbit 1



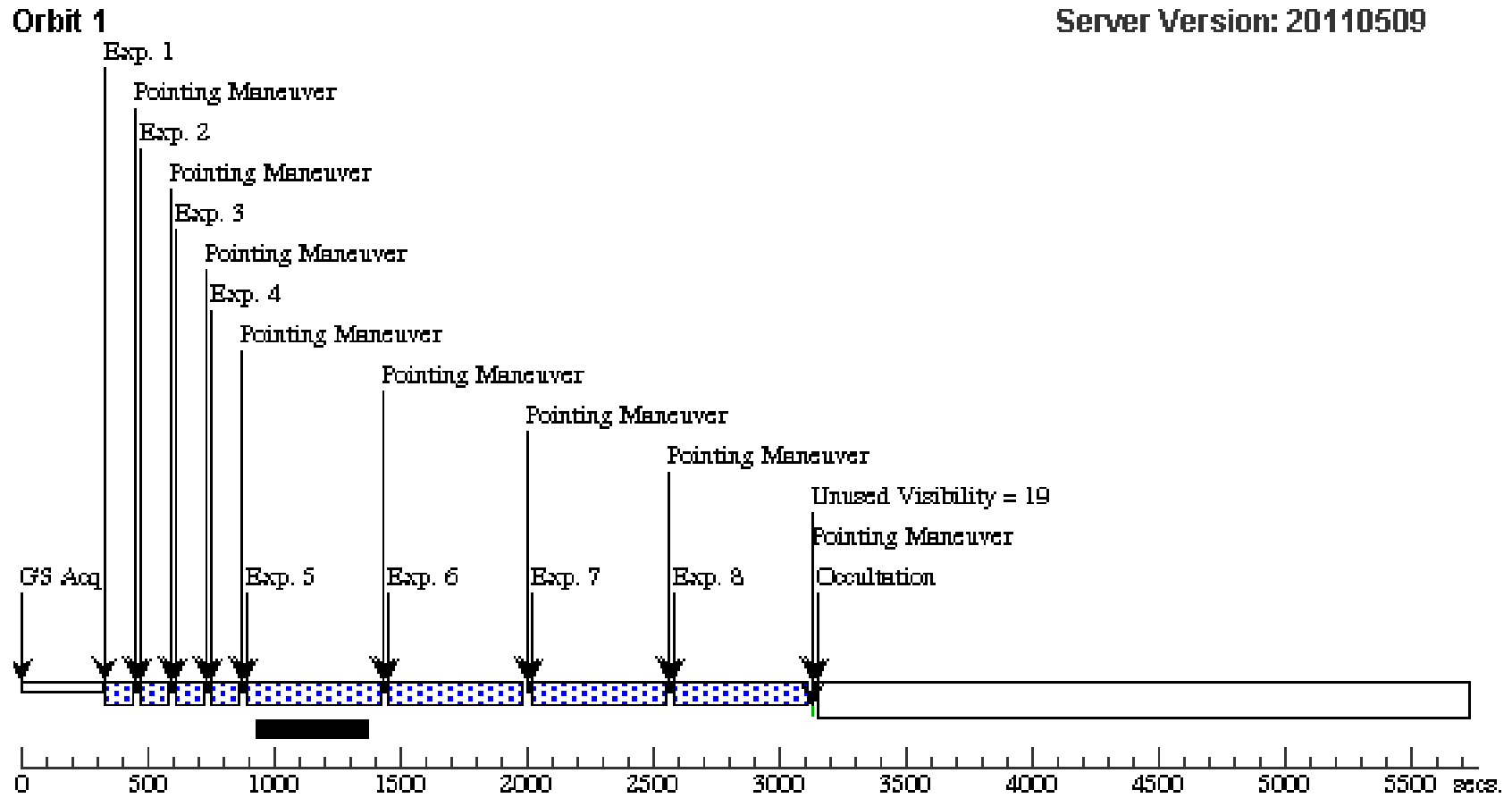


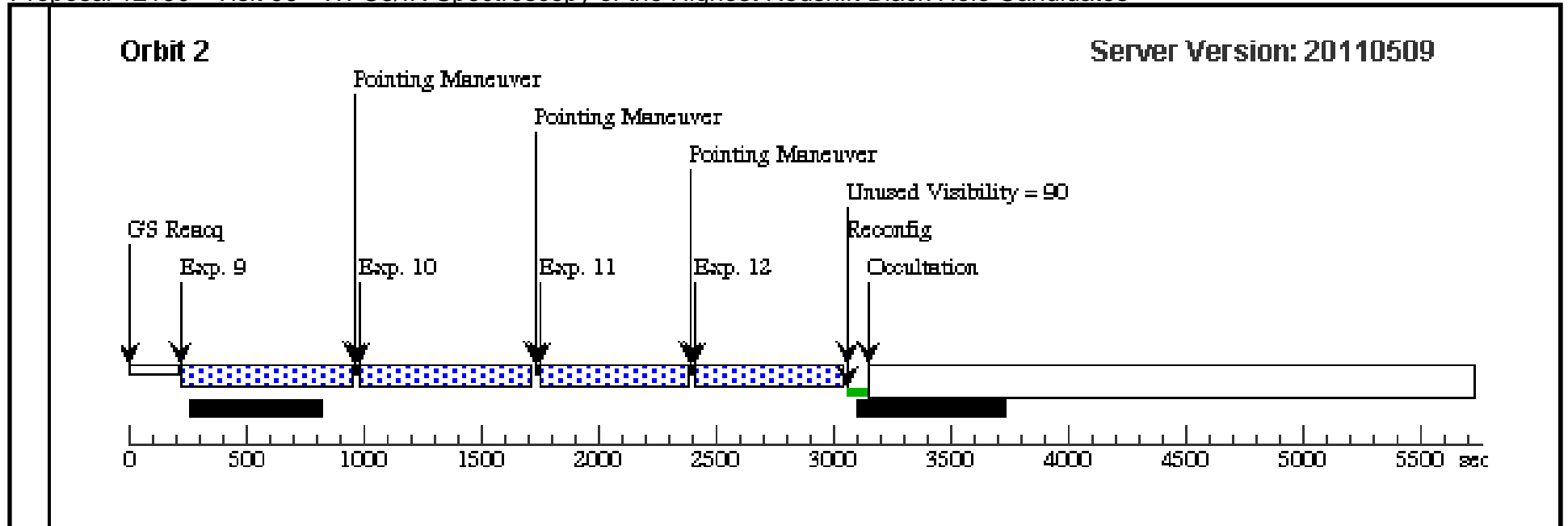
Proposal 12190 - Visit 06 - WFC3/IR Spectroscopy of the Highest Redshift Black Hole Candidates

Wed Aug 10 01:15:41 GMT 2011

Visit	Proposal 12190, Visit 06, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SCHED 60%; ORIENT 263D TO 263 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(2)	CDFS-AGN2	RA: 03 32 48.8800 (53.2036667d) Dec: -27 50 44.50 (-27.84569d) Equinox: J2000			V=30	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(2) CDFS-AGN2		WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG -0.3390, -0.3033		[==>]	[1]
	2	(2) CDFS-AGN2		WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG -0.6102, +0.2426		[==>]	[1]
	3	(2) CDFS-AGN2		WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG +0.2712 ,+0.3033		[==>]	[1]
	4	(2) CDFS-AGN2		WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG +0.5424 ,-0.2426		[==>]	[1]
	5	(2) CDFS-AGN2		WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG -0.3390, -0.3033		[==>]	[1]
	6	(2) CDFS-AGN2		WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG -0.6102, +0.2426		[==>]	[1]
	7	(2) CDFS-AGN2		WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG +0.2712 ,+0.3033		[==>]	[1]
	8	(2) CDFS-AGN2		WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG +0.5424 ,-0.2426		[==>]	[1]
	9	(2) CDFS-AGN2		WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=8	POS TARG -0.3390, -0.3033		[==>]	[2]
	10	(2) CDFS-AGN2		WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=8	POS TARG -0.6102, +0.2426		[==>]	[2]
	11	(2) CDFS-AGN2		WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=7	POS TARG +0.2712 ,+0.3033		[==>]	[2]
12	(2) CDFS-AGN2		WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=7	POS TARG +0.5424 ,-0.2426		[==>]	[2]	

Orbit Structure





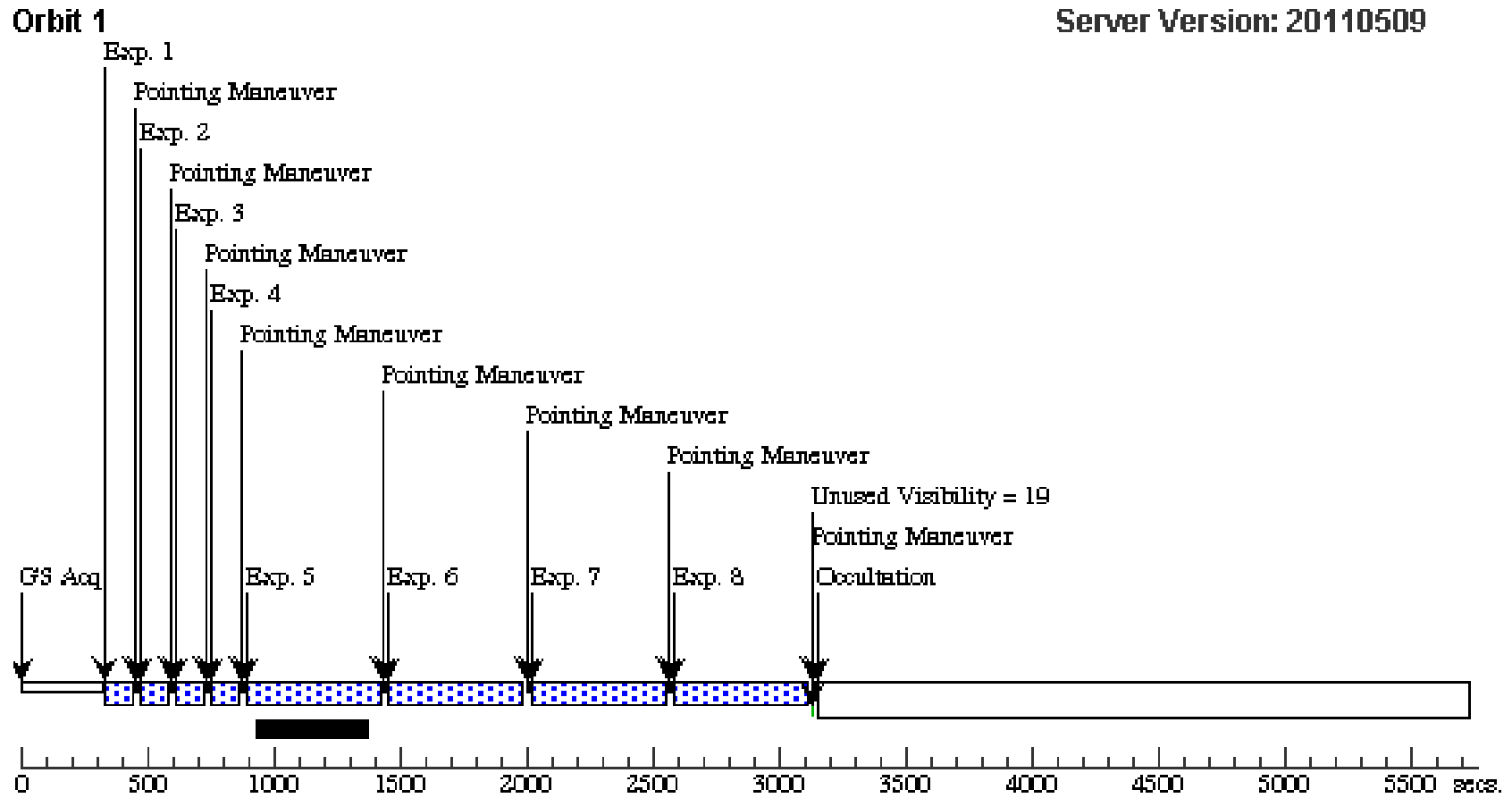
Proposal 12190 - Visit 07 - WFC3/IR Spectroscopy of the Highest Redshift Black Hole Candidates

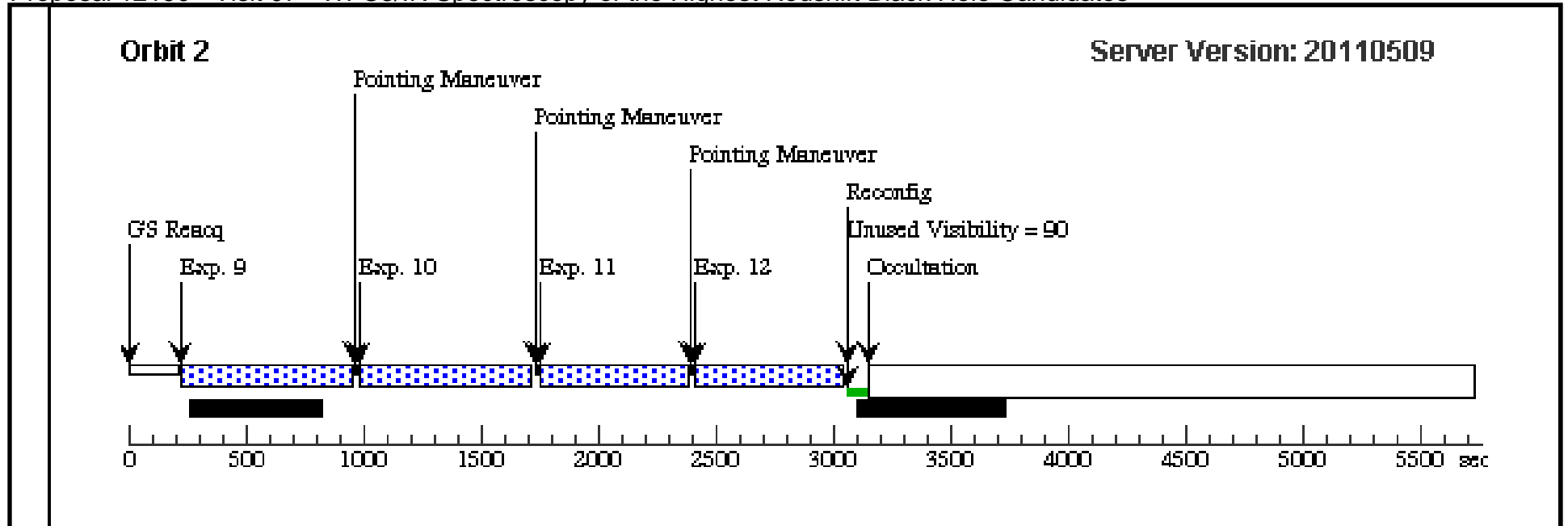
Wed Aug 10 01:15:41 GMT 2011

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	CDFS-AGN1	RA: 03 32 1.1200 (53.0046667d) Dec: -27 42 20.40 (-27.70567d) Equinox: J2000			V=30

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG -0.3390, -0.3033			[==>]	[1]
	2	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG -0.6102, +0.2426			[==>]	[1]
	3	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG +0.2712 ,+0.3033			[==>]	[1]
	4	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG +0.5424 ,-0.2426			[==>]	[1]
	5	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG -0.3390, -0.3033			[==>]	[1]
	6	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG -0.6102, +0.2426			[==>]	[1]
	7	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG +0.2712 ,+0.3033			[==>]	[1]
	8	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG +0.5424 ,-0.2426			[==>]	[1]
	9	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=8	POS TARG -0.3390, -0.3033			[==>]	[2]
	10	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=8	POS TARG -0.6102, +0.2426			[==>]	[2]
	11	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=7	POS TARG +0.2712 ,+0.3033			[==>]	[2]
	12	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=7	POS TARG +0.5424 ,-0.2426			[==>]	[2]

Orbit Structure





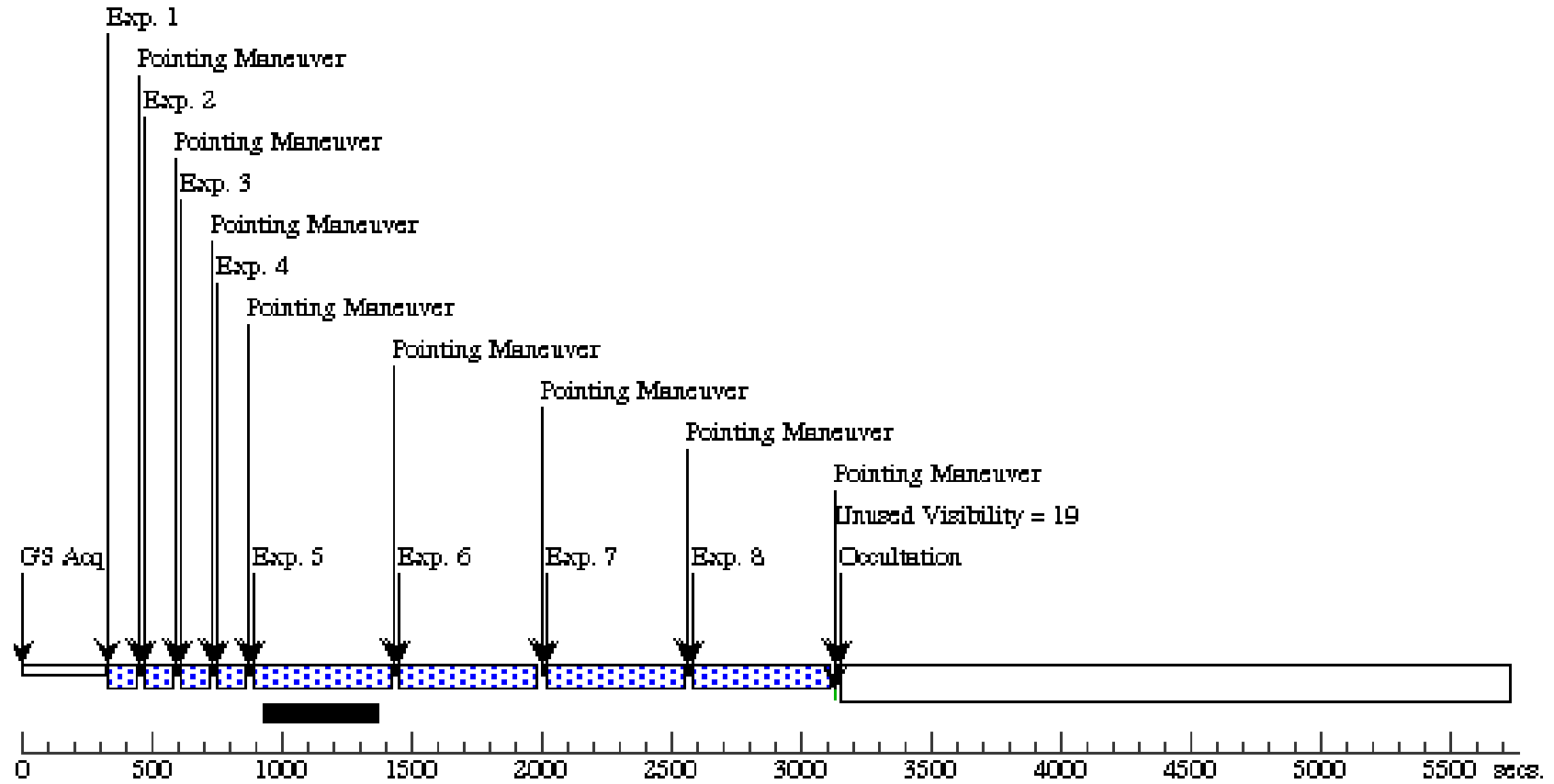
Proposal 12190 - Visit 08 - WFC3/IR Spectroscopy of the Highest Redshift Black Hole Candidates

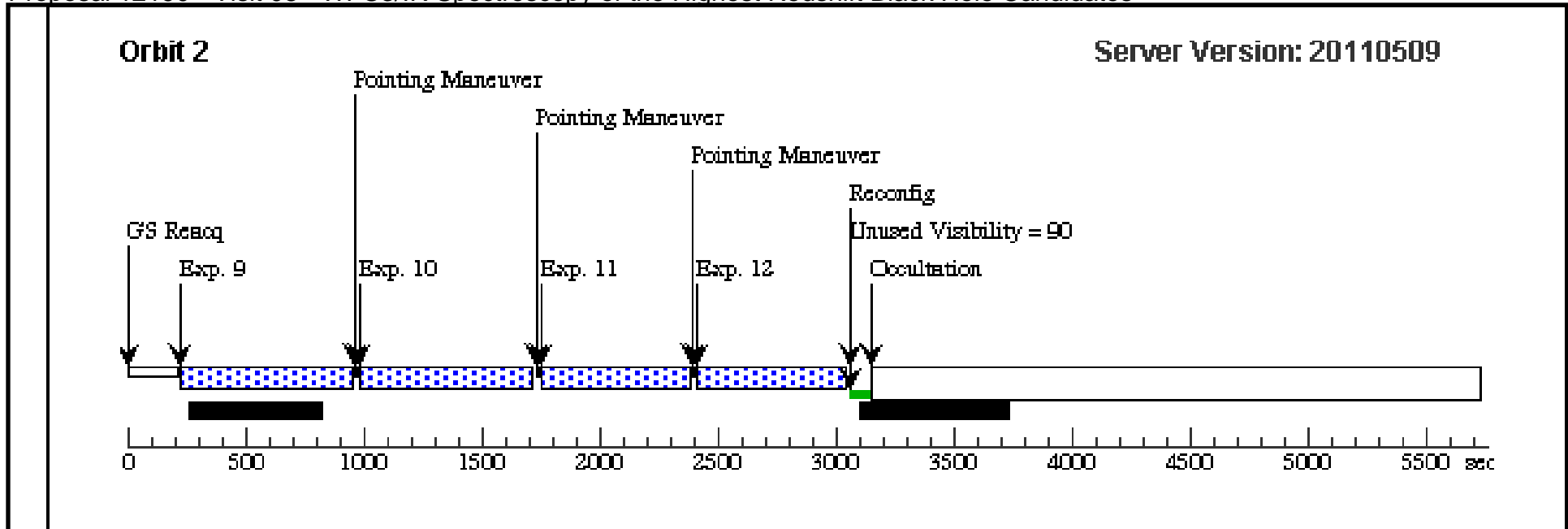
Wed Aug 10 01:15:42 GMT 2011

Visit	Proposal 12190, Visit 08, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SCHED 60%; ORIENT 271D TO 271 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	CDFS-AGN1	RA: 03 32 1.1200 (53.0046667d) Dec: -27 42 20.40 (-27.70567d) Equinox: J2000			V=30	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(1) CDFS-AGN1		WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG -0.3390, -0.3033		[==>]	[1]
	2	(1) CDFS-AGN1		WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG -0.6102, +0.2426		[==>]	[1]
	3	(1) CDFS-AGN1		WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG +0.2712 ,+0.3033		[==>]	[1]
	4	(1) CDFS-AGN1		WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG +0.5424 ,-0.2426		[==>]	[1]
	5	(1) CDFS-AGN1		WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG -0.3390, -0.3033		[==>]	[1]
	6	(1) CDFS-AGN1		WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG -0.6102, +0.2426		[==>]	[1]
	7	(1) CDFS-AGN1		WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG +0.2712 ,+0.3033		[==>]	[1]
	8	(1) CDFS-AGN1		WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG +0.5424 ,-0.2426		[==>]	[1]
	9	(1) CDFS-AGN1		WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=8	POS TARG -0.3390, -0.3033		[==>]	[2]
	10	(1) CDFS-AGN1		WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=8	POS TARG -0.6102, +0.2426		[==>]	[2]
	11	(1) CDFS-AGN1		WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=7	POS TARG +0.2712 ,+0.3033		[==>]	[2]
12	(1) CDFS-AGN1		WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=7	POS TARG +0.5424 ,-0.2426		[==>]	[2]	

Orbit Structure

Orbit 1





Proposal 12190 - Visit 09 - WFC3/IR Spectroscopy of the Highest Redshift Black Hole Candidates

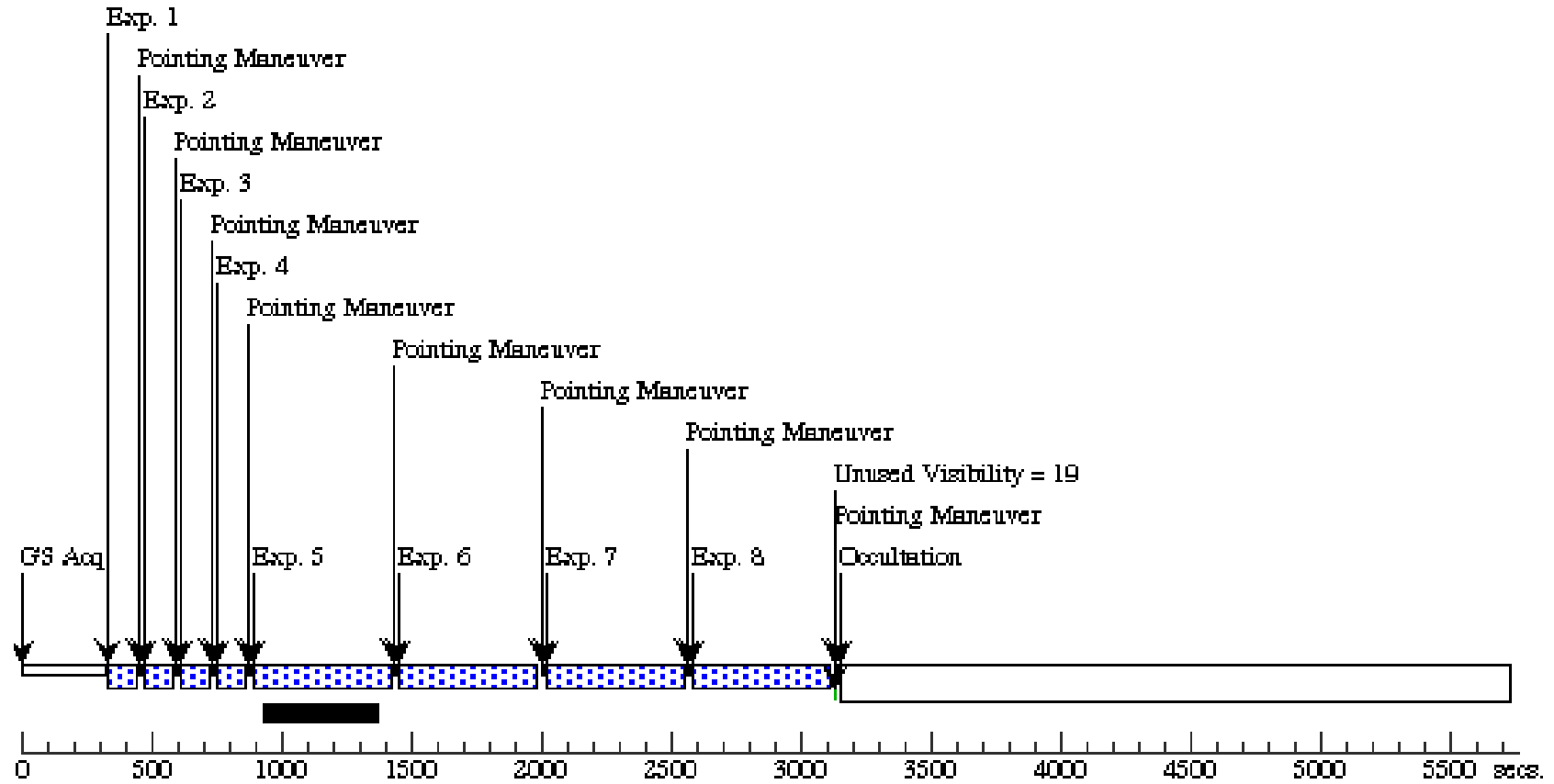
Wed Aug 10 01:15:42 GMT 2011

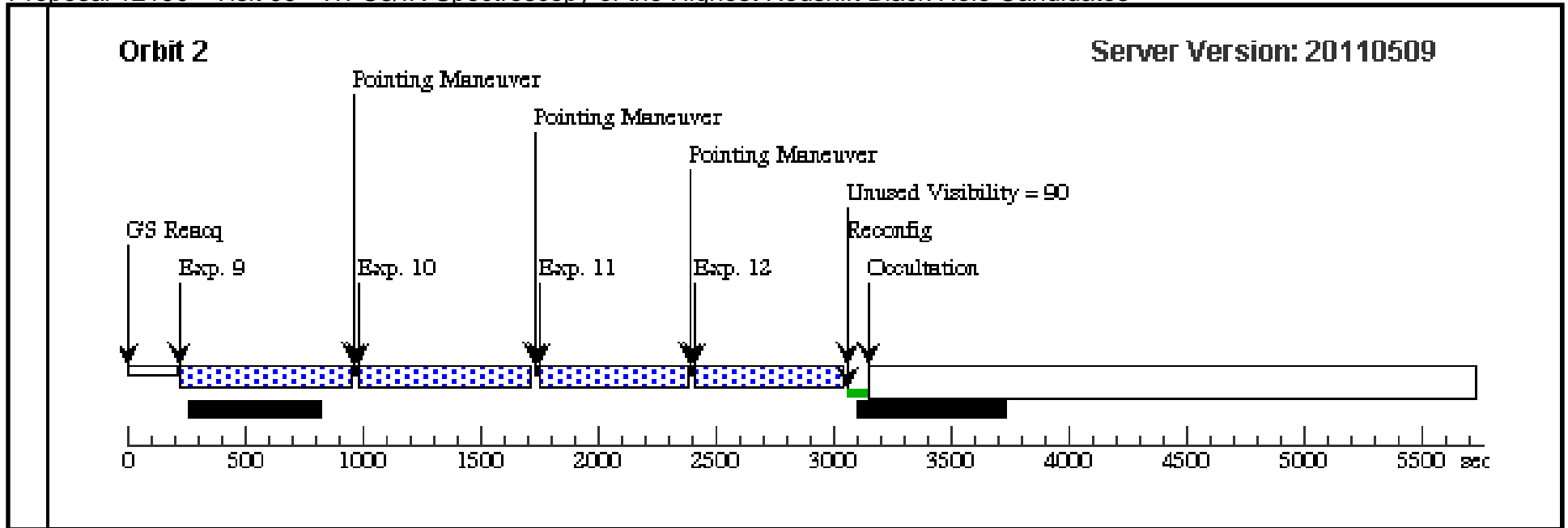
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	CDFS-AGN1	RA: 03 32 1.1200 (53.0046667d) Dec: -27 42 20.40 (-27.70567d) Equinox: J2000			V=30

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG -0.3390, -0.3033		[==>]	[1]	
	2	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG -0.6102, +0.2426		[==>]	[1]	
	3	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG +0.2712 ,+0.3033		[==>]	[1]	
	4	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG +0.5424 ,-0.2426		[==>]	[1]	
	5	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG -0.3390, -0.3033		[==>]	[1]	
	6	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG -0.6102, +0.2426		[==>]	[1]	
	7	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG +0.2712 ,+0.3033		[==>]	[1]	
	8	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG +0.5424 ,-0.2426		[==>]	[1]	
	9	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=8	POS TARG -0.3390, -0.3033		[==>]	[2]	
	10	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=8	POS TARG -0.6102, +0.2426		[==>]	[2]	
	11	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=7	POS TARG +0.2712 ,+0.3033		[==>]	[2]	
	12	(1) CDFS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=7	POS TARG +0.5424 ,-0.2426		[==>]	[2]	

Orbit Structure

Orbit 1



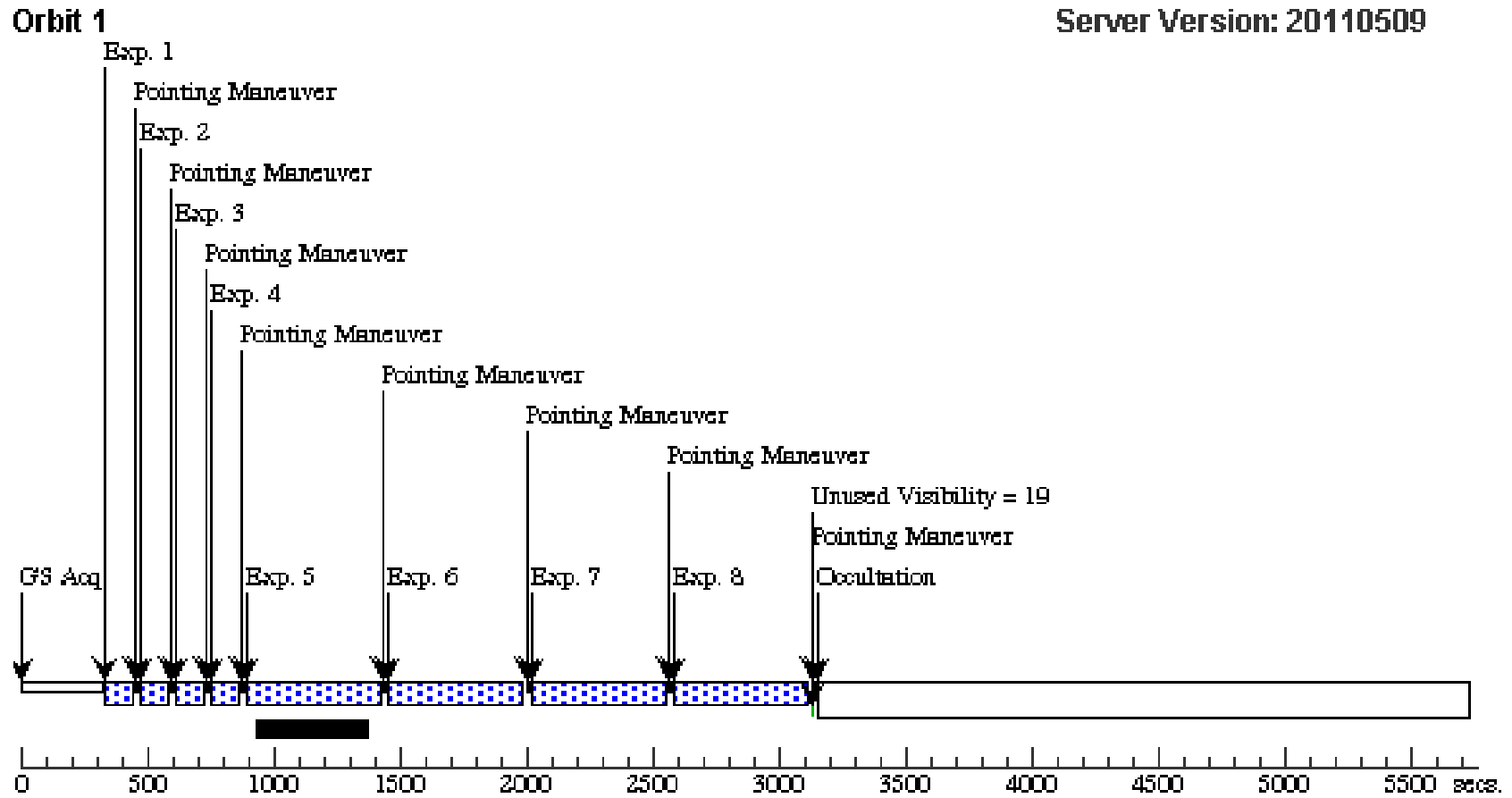


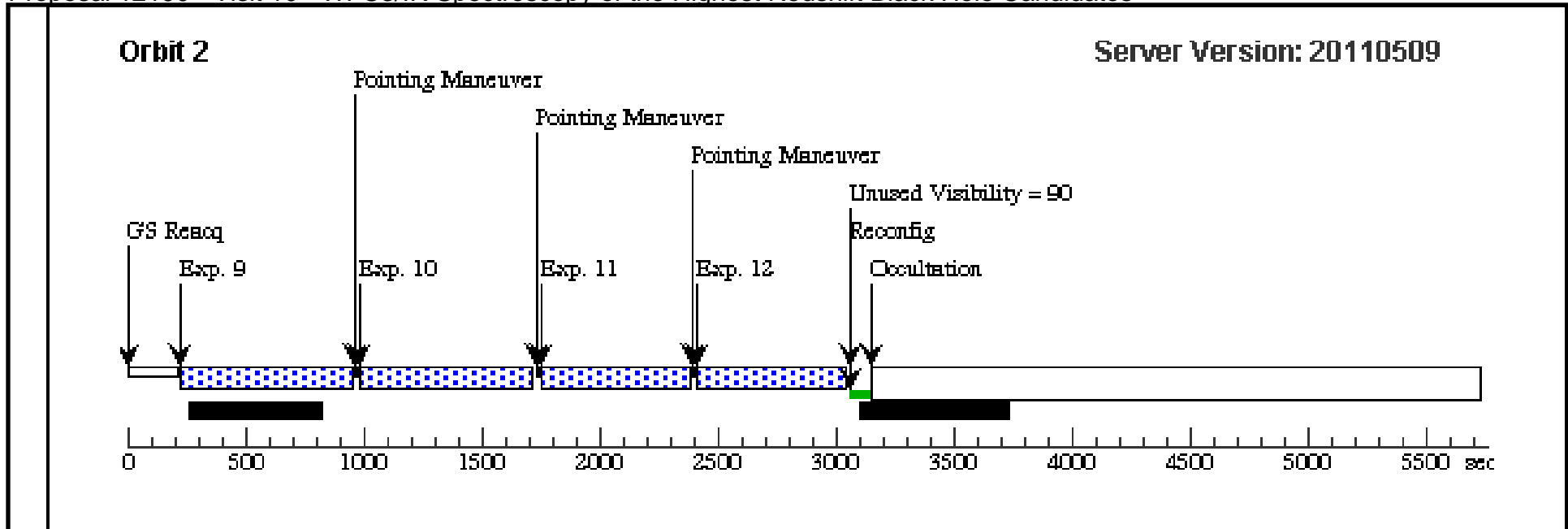
Proposal 12190 - Visit 10 - WFC3/IR Spectroscopy of the Highest Redshift Black Hole Candidates

Wed Aug 10 01:15:43 GMT 2011

Visit	Proposal 12190, Visit 10, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SCHED 60%; ORIENT 271D TO 271 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	CDFS-AGN1	RA: 03 32 1.1200 (53.0046667d) Dec: -27 42 20.40 (-27.70567d) Equinox: J2000			V=30	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(1) CDFS-AGN1		WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG -0.3390, -0.3033		[==>]	[1]
	2	(1) CDFS-AGN1		WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG -0.6102, +0.2426		[==>]	[1]
	3	(1) CDFS-AGN1		WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG +0.2712 ,+0.3033		[==>]	[1]
	4	(1) CDFS-AGN1		WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG +0.5424 ,-0.2426		[==>]	[1]
	5	(1) CDFS-AGN1		WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG -0.3390, -0.3033		[==>]	[1]
	6	(1) CDFS-AGN1		WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG -0.6102, +0.2426		[==>]	[1]
	7	(1) CDFS-AGN1		WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG +0.2712 ,+0.3033		[==>]	[1]
	8	(1) CDFS-AGN1		WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG +0.5424 ,-0.2426		[==>]	[1]
	9	(1) CDFS-AGN1		WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=8	POS TARG -0.3390, -0.3033		[==>]	[2]
	10	(1) CDFS-AGN1		WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=8	POS TARG -0.6102, +0.2426		[==>]	[2]
	11	(1) CDFS-AGN1		WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=7	POS TARG +0.2712 ,+0.3033		[==>]	[2]
12	(1) CDFS-AGN1		WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=7	POS TARG +0.5424 ,-0.2426		[==>]	[2]	

Orbit Structure





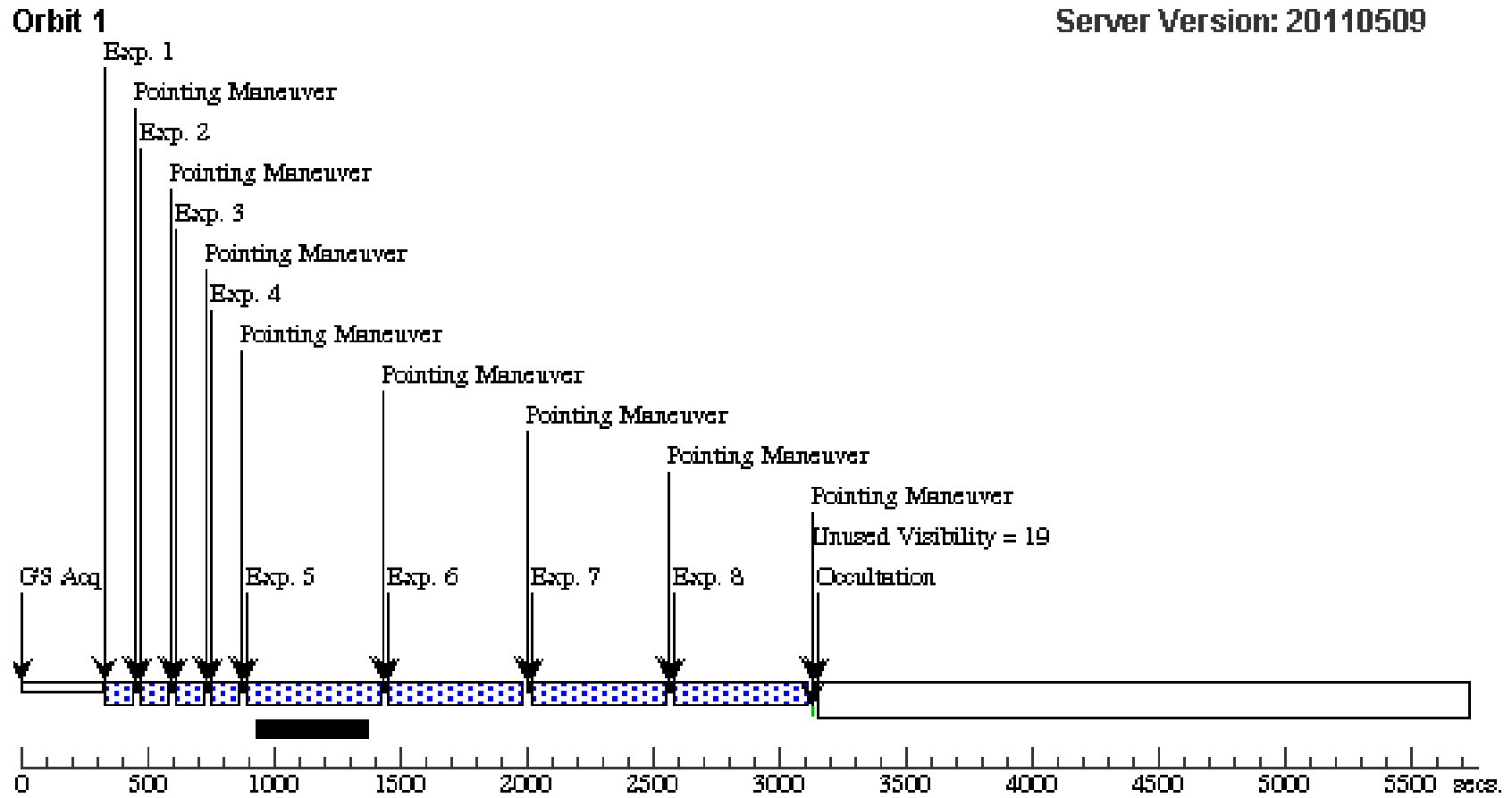
Proposal 12190 - Visit 11 - WFC3/IR Spectroscopy of the Highest Redshift Black Hole Candidates

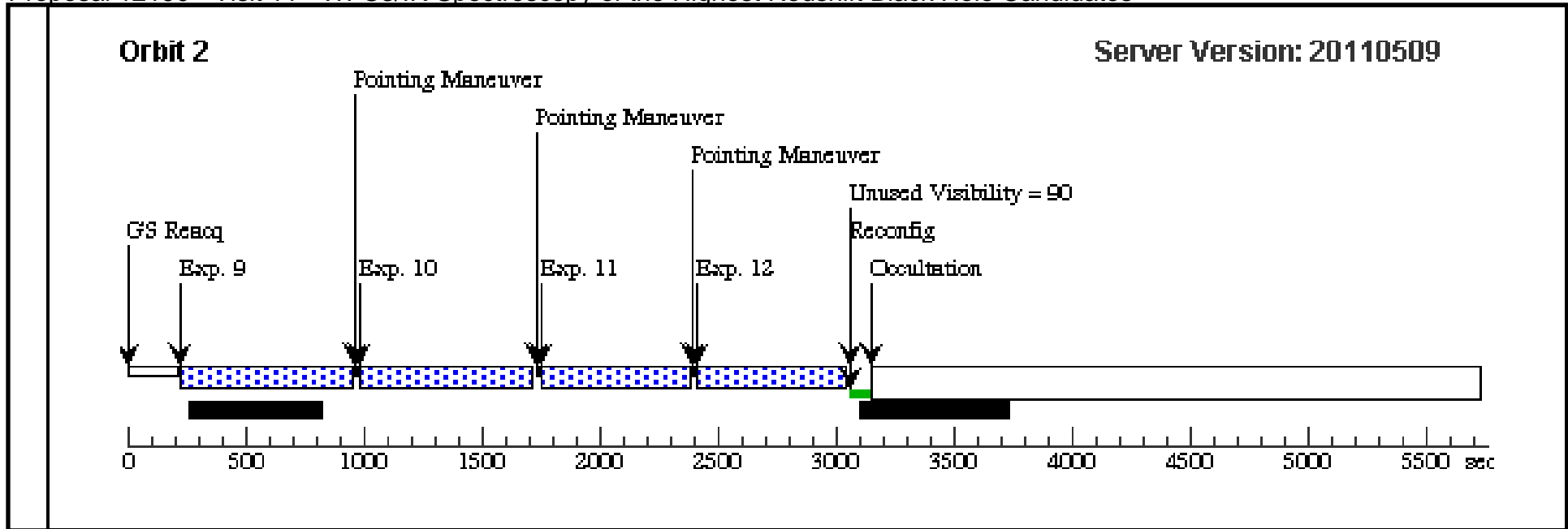
Wed Aug 10 01:15:44 GMT 2011

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(2)	CDFS-AGN2	RA: 03 32 48.8800 (53.2036667d) Dec: -27 50 44.50 (-27.84569d) Equinox: J2000			V=30

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(2) CDFS-AGN2	WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG -0.3390, -0.3033		[==>]	[1]	
	2	(2) CDFS-AGN2	WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG -0.6102, +0.2426		[==>]	[1]	
	3	(2) CDFS-AGN2	WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG +0.2712 ,+0.3033		[==>]	[1]	
	4	(2) CDFS-AGN2	WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG +0.5424 ,-0.2426		[==>]	[1]	
	5	(2) CDFS-AGN2	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG -0.3390, -0.3033		[==>]	[1]	
	6	(2) CDFS-AGN2	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG -0.6102, +0.2426		[==>]	[1]	
	7	(2) CDFS-AGN2	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG +0.2712 ,+0.3033		[==>]	[1]	
	8	(2) CDFS-AGN2	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG +0.5424 ,-0.2426		[==>]	[1]	
	9	(2) CDFS-AGN2	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=8	POS TARG -0.3390, -0.3033		[==>]	[2]	
	10	(2) CDFS-AGN2	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=8	POS TARG -0.6102, +0.2426		[==>]	[2]	
	11	(2) CDFS-AGN2	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=7	POS TARG +0.2712 ,+0.3033		[==>]	[2]	
	12	(2) CDFS-AGN2	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=7	POS TARG +0.5424 ,-0.2426		[==>]	[2]	

Orbit Structure





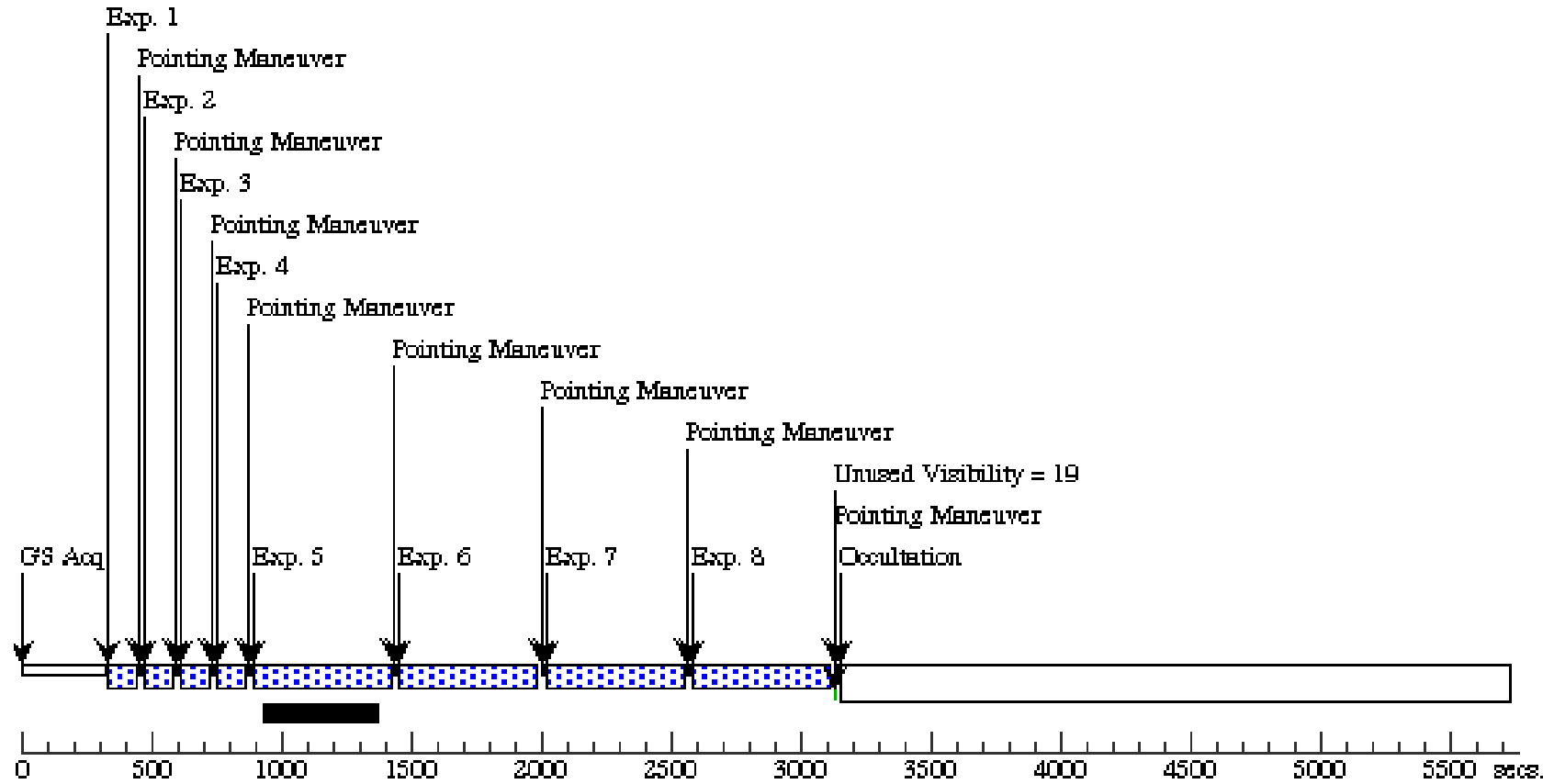
Proposal 12190 - Visit 12 - WFC3/IR Spectroscopy of the Highest Redshift Black Hole Candidates

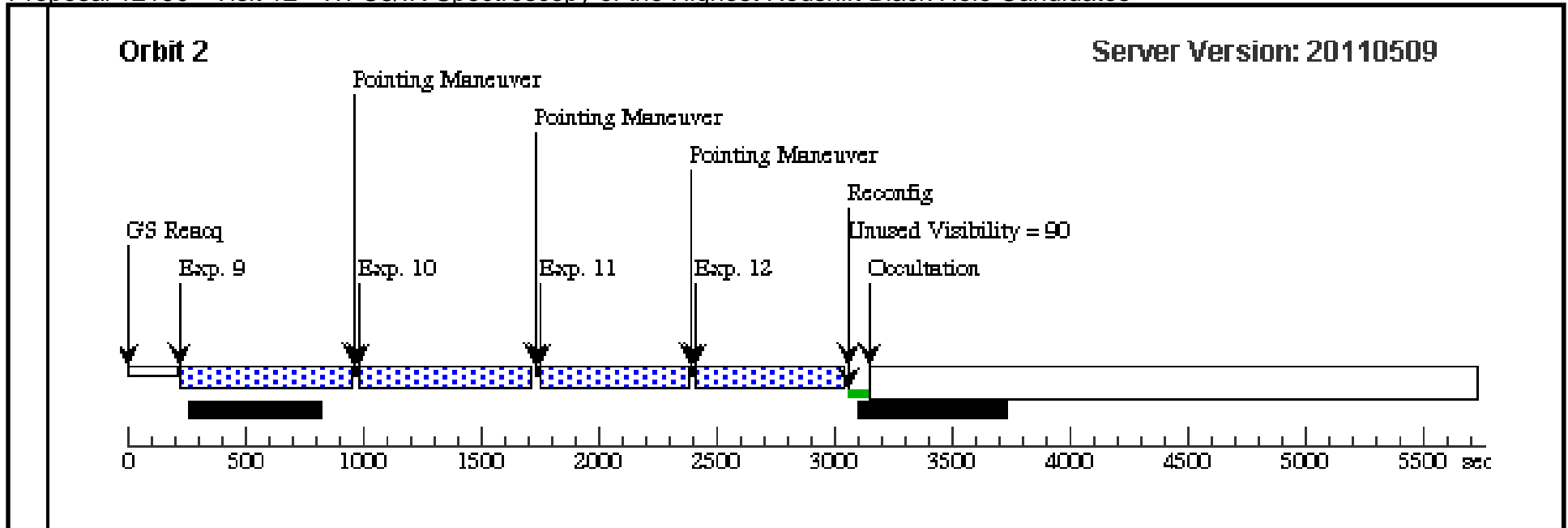
Wed Aug 10 01:15:44 GMT 2011

Visit	Proposal 12190, Visit 12, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SCHED 60%; ORIENT 271D TO 271 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(2)	CDFS-AGN2	RA: 03 32 48.8800 (53.2036667d) Dec: -27 50 44.50 (-27.84569d) Equinox: J2000			V=30	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(2) CDFS-AGN2		WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG -0.3390, -0.3033		[==>]	[1]
	2	(2) CDFS-AGN2		WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG -0.6102, +0.2426		[==>]	[1]
	3	(2) CDFS-AGN2		WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG +0.2712, +0.3033		[==>]	[1]
	4	(2) CDFS-AGN2		WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG +0.5424, -0.2426		[==>]	[1]
	5	(2) CDFS-AGN2		WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG -0.3390, -0.3033		[==>]	[1]
	6	(2) CDFS-AGN2		WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG -0.6102, +0.2426		[==>]	[1]
	7	(2) CDFS-AGN2		WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG +0.2712, +0.3033		[==>]	[1]
	8	(2) CDFS-AGN2		WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG +0.5424, -0.2426		[==>]	[1]
	9	(2) CDFS-AGN2		WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=8	POS TARG -0.3390, -0.3033		[==>]	[2]
	10	(2) CDFS-AGN2		WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=8	POS TARG -0.6102, +0.2426		[==>]	[2]
	11	(2) CDFS-AGN2		WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=7	POS TARG +0.2712, +0.3033		[==>]	[2]
12	(2) CDFS-AGN2		WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=7	POS TARG +0.5424, -0.2426		[==>]	[2]	

Orbit Structure

Orbit 1





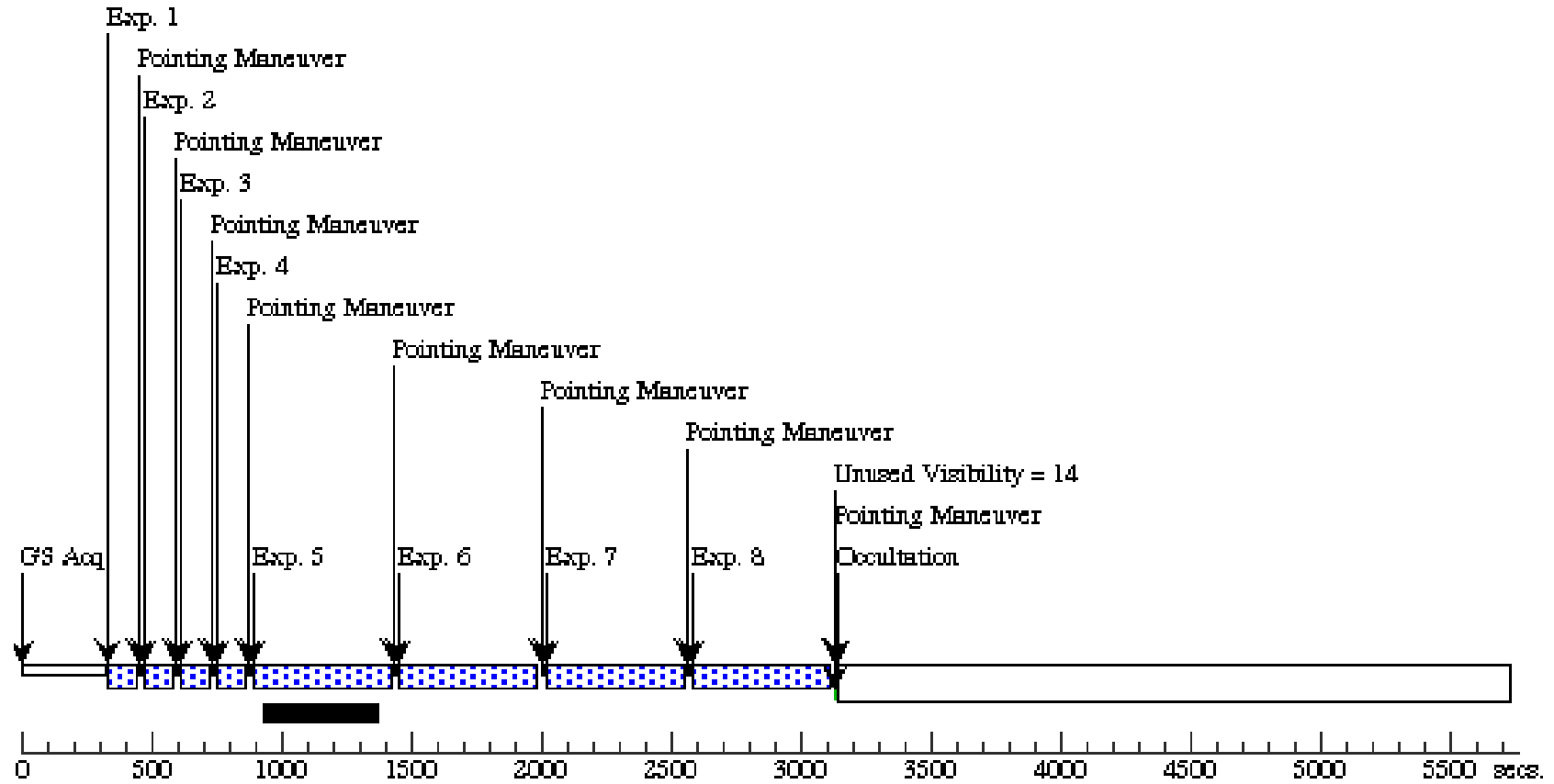
Proposal 12190 - Visit 13 - WFC3/IR Spectroscopy of the Highest Redshift Black Hole Candidates

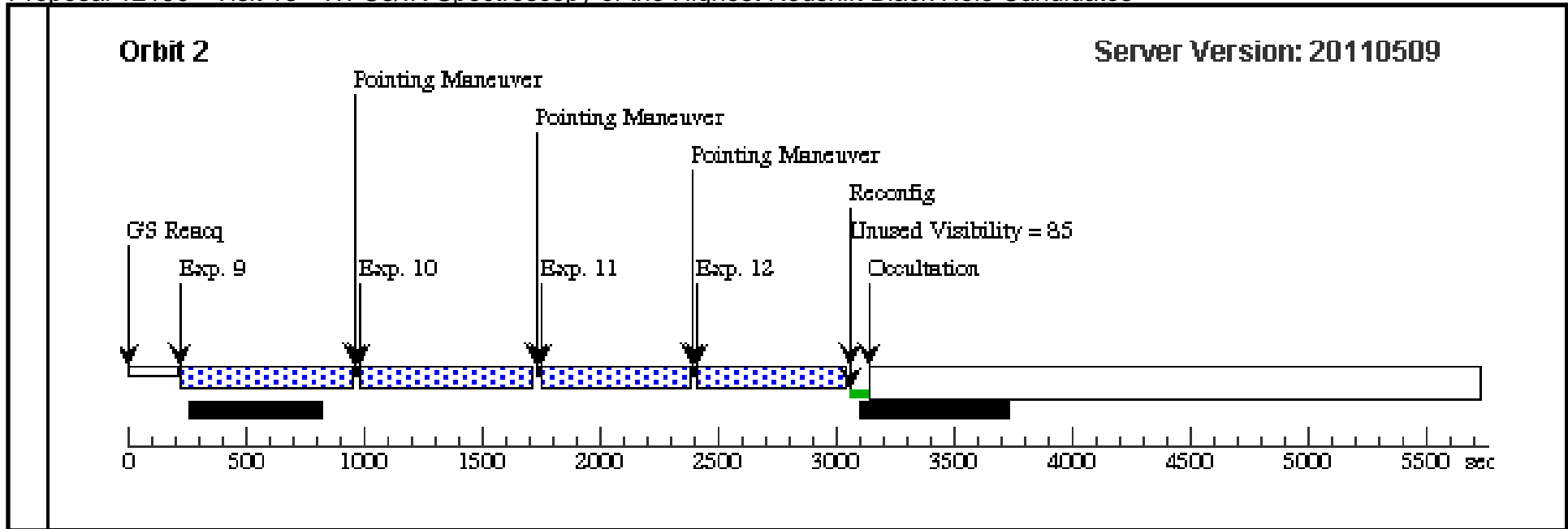
Wed Aug 10 01:15:45 GMT 2011

Visit	Proposal 12190, Visit 13, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SCHED 60%; ORIENT 285D TO 285 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(3)	COSMOS-AGN1	RA: 09 59 30.3800 (149.8765833d) Dec: +02 21 46.36 (2.36288d) Equinox: J2000			V=30	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(3) COSMOS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG -0.3390, -0.3033	[==>]	[1]		
	2	(3) COSMOS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG -0.6102, +0.2426	[==>]	[1]		
	3	(3) COSMOS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG +0.2712 ,+0.3033	[==>]	[1]		
	4	(3) COSMOS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG +0.5424 ,-0.2426	[==>]	[1]		
	5	(3) COSMOS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG -0.3390, -0.3033	[==>]	[1]		
	6	(3) COSMOS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG -0.6102, +0.2426	[==>]	[1]		
	7	(3) COSMOS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG +0.2712 ,+0.3033	[==>]	[1]		
	8	(3) COSMOS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG +0.5424 ,-0.2426	[==>]	[1]		
	9	(3) COSMOS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=8	POS TARG -0.3390, -0.3033	[==>]	[2]		
	10	(3) COSMOS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=8	POS TARG -0.6102, +0.2426	[==>]	[2]		
	11	(3) COSMOS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=7	POS TARG +0.2712 ,+0.3033	[==>]	[2]		
12	(3) COSMOS-AGN1	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=7	POS TARG +0.5424 ,-0.2426	[==>]	[2]			

Orbit Structure

Orbit 1



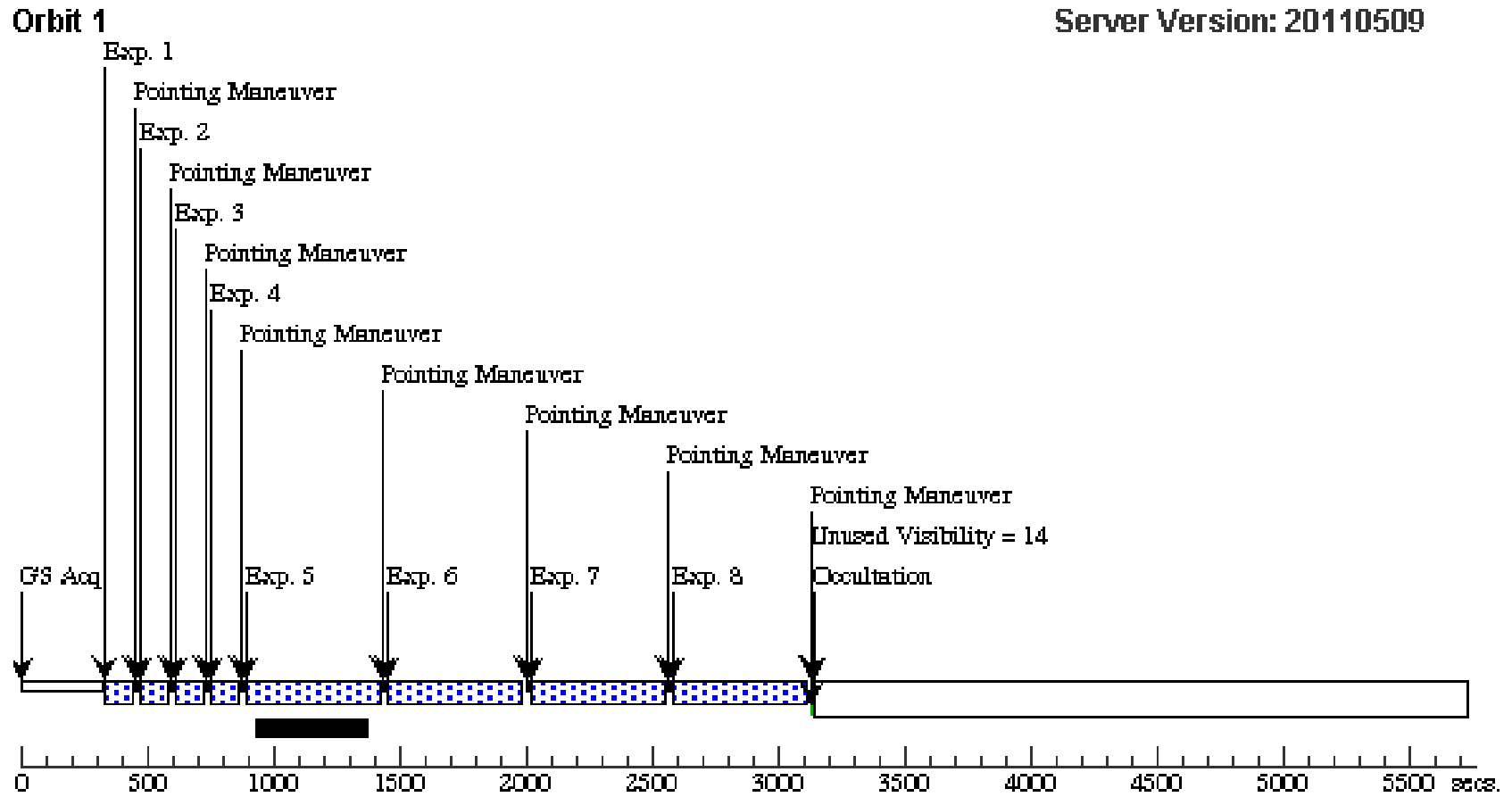


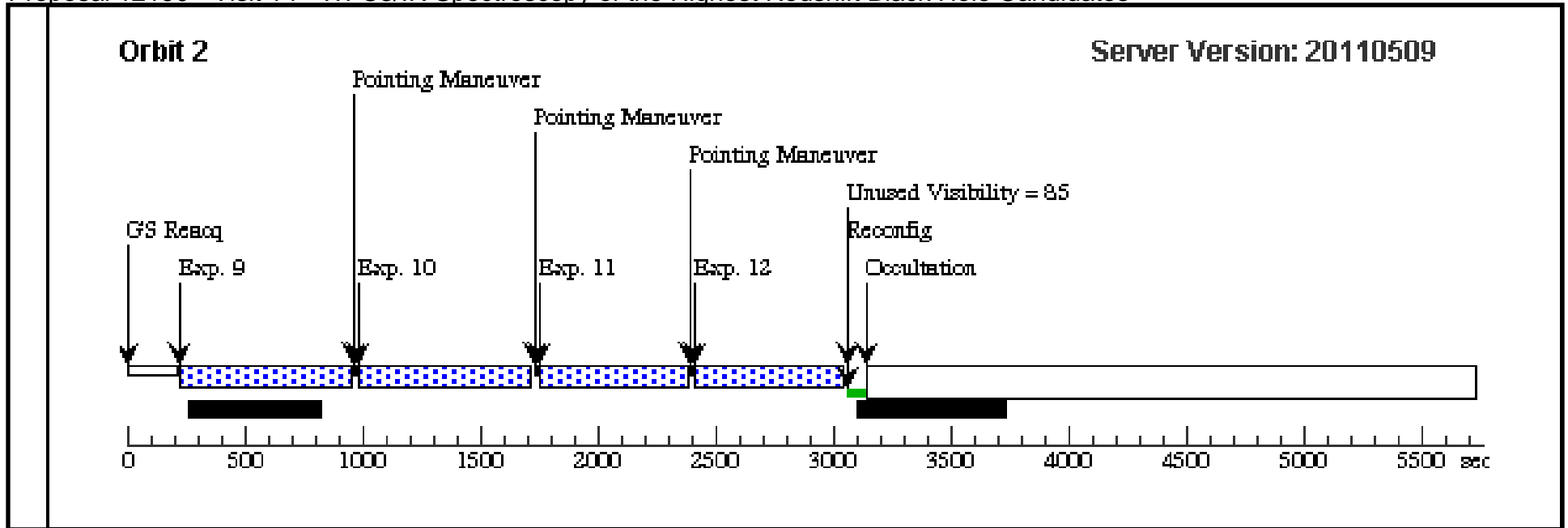
Proposal 12190 - Visit 14 - WFC3/IR Spectroscopy of the Highest Redshift Black Hole Candidates

Wed Aug 10 01:15:45 GMT 2011

Visit	Proposal 12190, Visit 14, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SCHED 60%; ORIENT 285D TO 285 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(4)	COSMOS-AGN2	RA: 09 59 15.5000 (149.8145833d) Dec: +02 44 10.31 (2.73620d) Equinox: J2000		V=30	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(4) COSMOS-AGN2	WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG -0.3390, -0.3033	[==>]	[1]		
	2	(4) COSMOS-AGN2	WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG -0.6102, +0.2426	[==>]	[1]		
	3	(4) COSMOS-AGN2	WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG +0.2712 ,+0.3033	[==>]	[1]		
	4	(4) COSMOS-AGN2	WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG +0.5424 ,-0.2426	[==>]	[1]		
	5	(4) COSMOS-AGN2	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG -0.3390, -0.3033	[==>]	[1]		
	6	(4) COSMOS-AGN2	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG -0.6102, +0.2426	[==>]	[1]		
	7	(4) COSMOS-AGN2	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG +0.2712 ,+0.3033	[==>]	[1]		
	8	(4) COSMOS-AGN2	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG +0.5424 ,-0.2426	[==>]	[1]		
	9	(4) COSMOS-AGN2	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=8	POS TARG -0.3390, -0.3033	[==>]	[2]		
	10	(4) COSMOS-AGN2	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=8	POS TARG -0.6102, +0.2426	[==>]	[2]		
	11	(4) COSMOS-AGN2	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=7	POS TARG +0.2712 ,+0.3033	[==>]	[2]		
12	(4) COSMOS-AGN2	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=7	POS TARG +0.5424 ,-0.2426	[==>]	[2]			

Orbit Structure





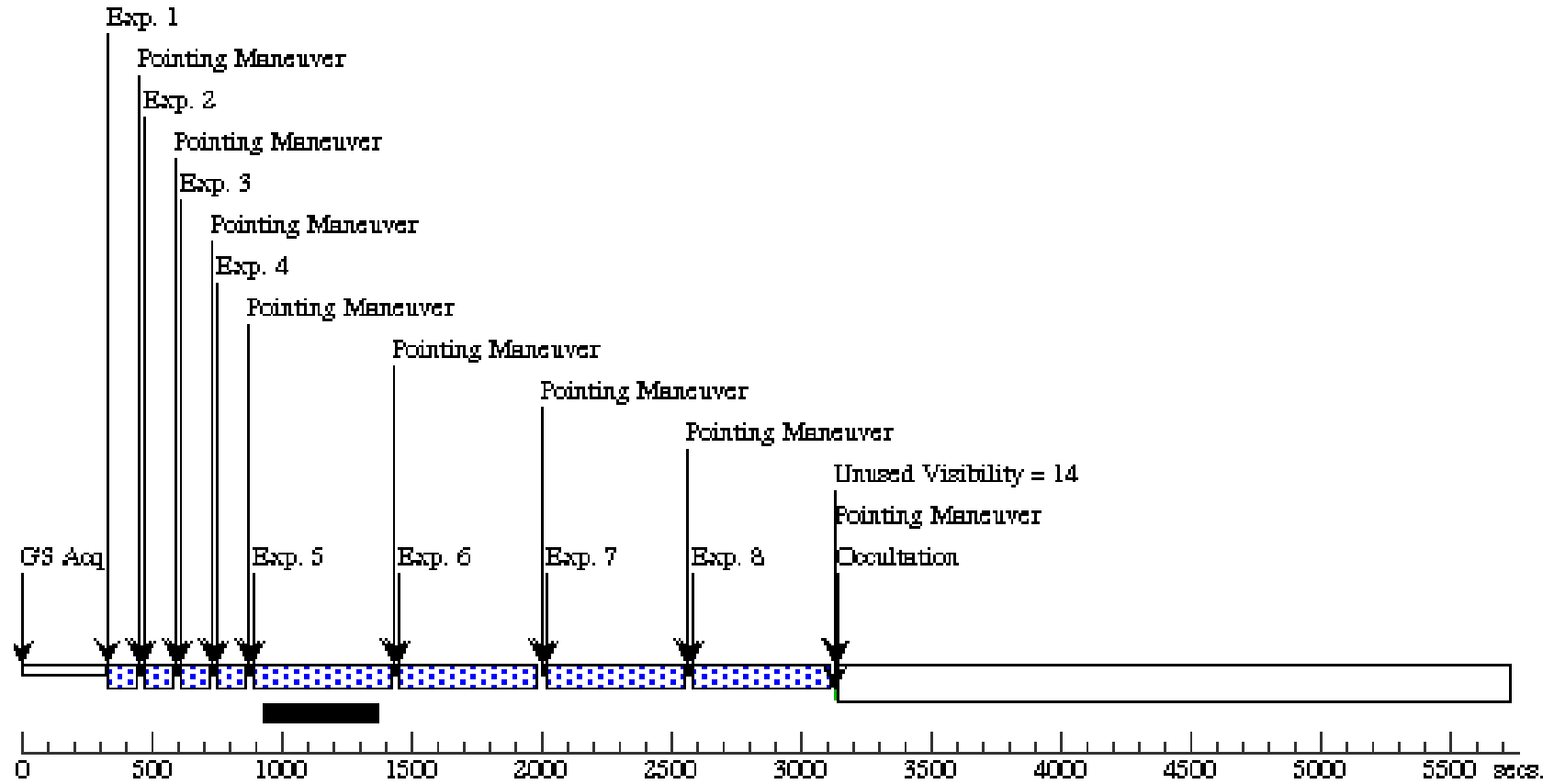
Proposal 12190 - Visit 15 - WFC3/IR Spectroscopy of the Highest Redshift Black Hole Candidates

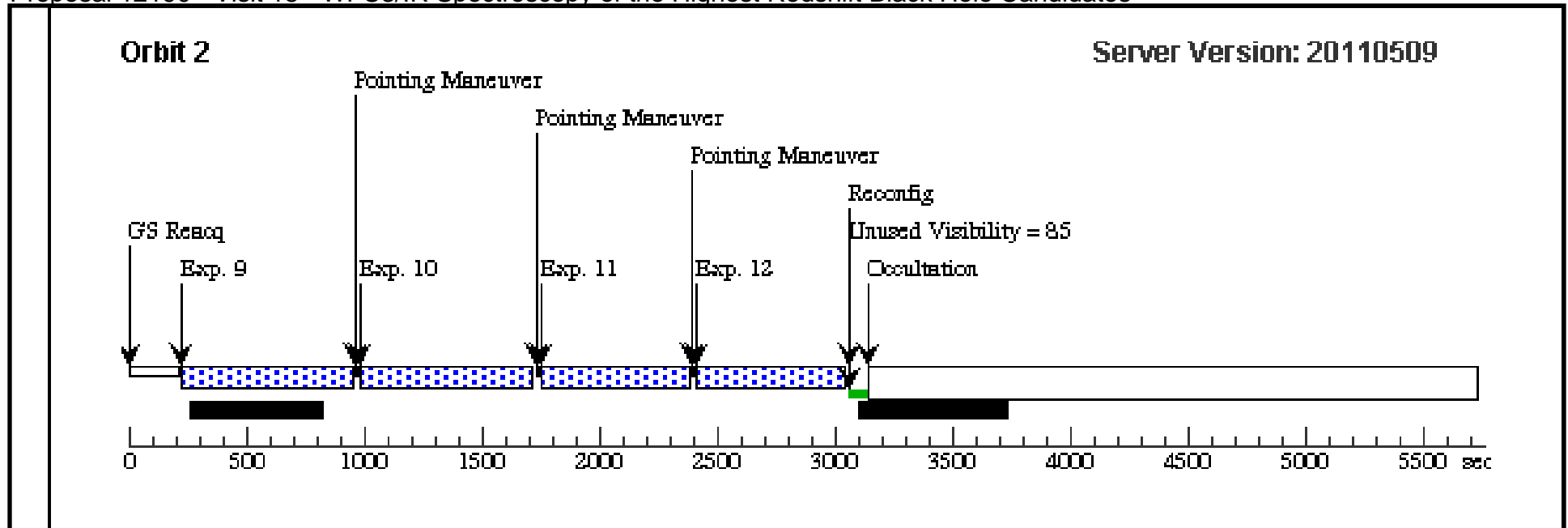
Wed Aug 10 01:15:46 GMT 2011

Visit	Proposal 12190, Visit 15, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SCHED 60%; ORIENT 300D TO 300 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(3)	COSMOS-AGN1	RA: 09 59 30.3800 (149.8765833d) Dec: +02 21 46.36 (2.36288d) Equinox: J2000			V=30	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(3) COSMOS-AGN1		WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG -0.3390, -0.3033; GS ACQ SCENARI O BASE1B3		[==>]	[1]
	2	(3) COSMOS-AGN1		WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG -0.6102, +0.2426		[==>]	[1]
	3	(3) COSMOS-AGN1		WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG +0.2712, +0.3033		[==>]	[1]
	4	(3) COSMOS-AGN1		WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG +0.5424, -0.2426		[==>]	[1]
	5	(3) COSMOS-AGN1		WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG -0.3390, -0.3033		[==>]	[1]
	6	(3) COSMOS-AGN1		WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG -0.6102, +0.2426		[==>]	[1]
	7	(3) COSMOS-AGN1		WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG +0.2712, +0.3033		[==>]	[1]
	8	(3) COSMOS-AGN1		WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG +0.5424, -0.2426		[==>]	[1]
	9	(3) COSMOS-AGN1		WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=8	POS TARG -0.3390, -0.3033		[==>]	[2]
	10	(3) COSMOS-AGN1		WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=8	POS TARG -0.6102, +0.2426		[==>]	[2]
	11	(3) COSMOS-AGN1		WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=7	POS TARG +0.2712, +0.3033		[==>]	[2]
12	(3) COSMOS-AGN1		WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=7	POS TARG +0.5424, -0.2426		[==>]	[2]	

Orbit Structure

Orbit 1





Proposal 12190 - Visit 16 - WFC3/IR Spectroscopy of the Highest Redshift Black Hole Candidates

Wed Aug 10 01:15:46 GMT 2011

Visit	Proposal 12190, Visit 16, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SCHED 60%; ORIENT 300D TO 300 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(4)	COSMOS-AGN2	RA: 09 59 15.5000 (149.8145833d) Dec: +02 44 10.31 (2.73620d) Equinox: J2000			V=30	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(4) COSMOS-AGN2	WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG -0.3390, -0.3033		[==>]	[1]	
	2	(4) COSMOS-AGN2	WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG -0.6102, +0.2426		[==>]	[1]	
	3	(4) COSMOS-AGN2	WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG +0.2712 ,+0.3033		[==>]	[1]	
	4	(4) COSMOS-AGN2	WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=4	POS TARG +0.5424 ,-0.2426		[==>]	[1]	
	5	(4) COSMOS-AGN2	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG -0.3390, -0.3033		[==>]	[1]	
	6	(4) COSMOS-AGN2	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG -0.6102, +0.2426		[==>]	[1]	
	7	(4) COSMOS-AGN2	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG +0.2712 ,+0.3033		[==>]	[1]	
	8	(4) COSMOS-AGN2	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=6	POS TARG +0.5424 ,-0.2426		[==>]	[1]	
	9	(4) COSMOS-AGN2	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=8	POS TARG -0.3390, -0.3033		[==>]	[2]	
	10	(4) COSMOS-AGN2	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=8	POS TARG -0.6102, +0.2426		[==>]	[2]	
	11	(4) COSMOS-AGN2	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=7	POS TARG +0.2712 ,+0.3033		[==>]	[2]	
12	(4) COSMOS-AGN2	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=SPARS 100; NSAMP=7	POS TARG +0.5424 ,-0.2426		[==>]	[2]		

Orbit Structure

