



12019 - After the Fall: Fading AGN in Post-starburst Galaxies

Cycle: 17, Proposal Category: GO

(Availability Mode: SUPPORTED)

INVESTIGATORS

<i>Name</i>	<i>Institution</i>	<i>E-Mail</i>
Dr. Christy A. Tremonti (PI)	University of Wisconsin - Madison	tremonti@astro.wisc.edu
Mr. Paul Sell (CoI)	University of Wisconsin - Madison	sell@astro.wisc.edu
Mr. Aleksander M. Diamond-Stanic (CoI)	University of Arizona	adiamond@tennis.as.arizona.edu
Dr. John Moustakas (CoI)	University of California - San Diego	jmoustakas@ucsd.edu
Dr. Ryan Hickox (CoI)	Smithsonian Institution Astrophysical Observatory	rhickox@cfa.harvard.edu
Dr. Sebastian Heinz (CoI)	University of Wisconsin - Madison	heinzs@astro.wisc.edu

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) SDSSJ110437.46+594639.6	WFC3/UVIS	1	13-Sep-2010 21:34:07.0	yes
02	(2) SDSSJ135920.99+513738.9	WFC3/UVIS	1	13-Sep-2010 21:34:13.0	yes
03	(3) SDSSJ082638.41+430529.5	WFC3/UVIS	1	13-Sep-2010 21:34:16.0	yes
04	(4) SDSSJ150636.30+540220.9	WFC3/UVIS	1	13-Sep-2010 21:34:19.0	yes
05	(5) SDSSJ161332.53+283414.8	WFC3/UVIS	1	13-Sep-2010 21:34:23.0	yes
06	(6) SDSSJ214000.49+120914.6	WFC3/UVIS	1	13-Sep-2010 21:34:26.0	yes
07	(7) SDSSJ094417.85+093019.4	WFC3/UVIS	1	13-Sep-2010 21:34:29.0	yes
08	(8) SDSSJ171300.39+281708.2	WFC3/UVIS	1	13-Sep-2010 21:34:32.0	yes
09	(9) SDSSJ163446.49+461946.7	WFC3/UVIS	1	13-Sep-2010 21:34:35.0	yes
59	(9) SDSSJ163446.49+461946.7	WFC3/UVIS	1	13-Sep-2010 21:34:37.0	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>
10	(10) SDSSJ150603.68+613148.1	WFC3/UVIS	1	13-Sep-2010 21:34:40.0	yes
11	(11) SDSSJ155811.24+395720.8	WFC3/UVIS	1	13-Sep-2010 21:34:43.0	yes
12	(12) SDSSJ211824.06+001729.4	WFC3/UVIS	1	13-Sep-2010 21:34:45.0	yes

13 Total Orbits Used

ABSTRACT

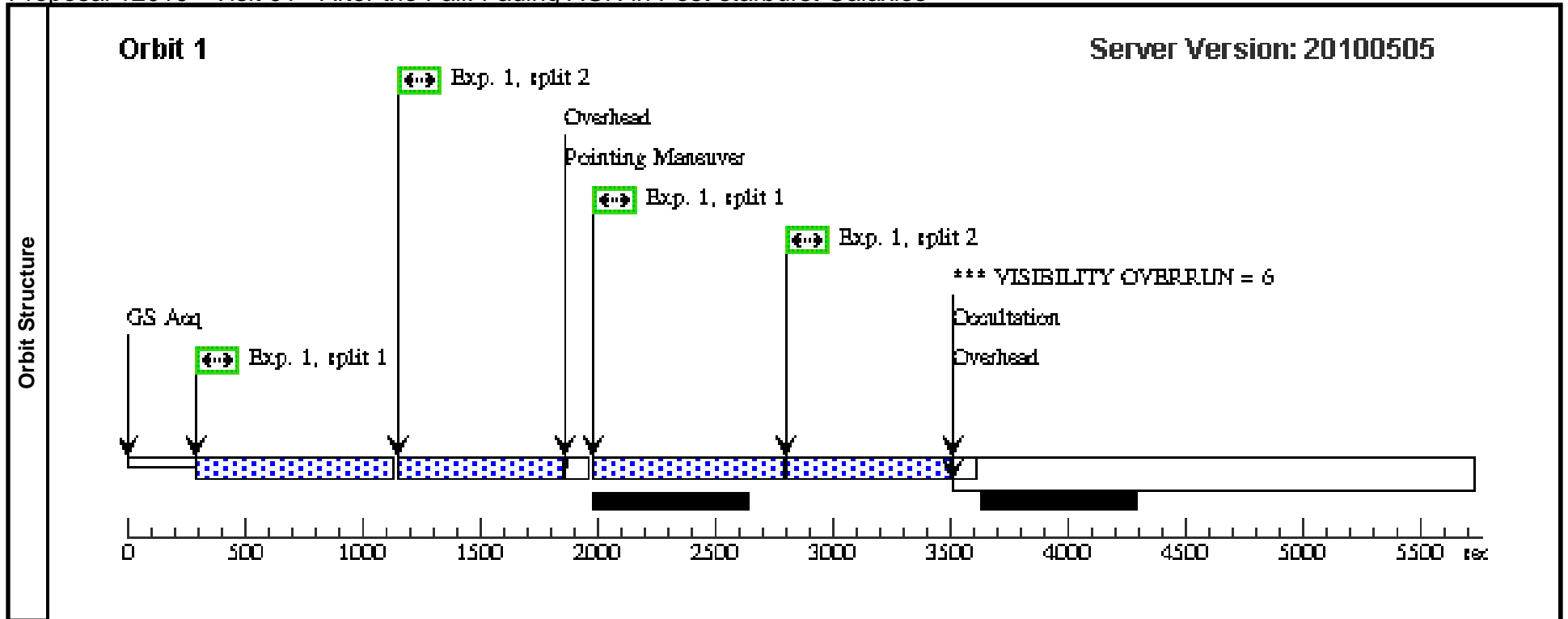
We propose joint Chandra and HST observations of an extraordinary sample of 12 massive post-starburst galaxies at $z=0.4-0.8$ that are in the short-lived evolution phase a few 100 Myr after the peak of merger-driven star formation and AGN activity. We will use the data to measure X-ray luminosities, black hole masses, and accretion rates; and with the accurate "clocks" provided by post-starburst stellar populations, we will directly test theoretical models that predict a power-law decay in the AGN light curve. We will also test whether star formation and black hole accretion shut down in lock-step, quantify whether the black holes transition to radiatively inefficient accretion states, and constrain the observational signatures of black hole mergers.

OBSERVING DESCRIPTION

We propose to image our 12 post-starburst galaxies with WFC3 in the F814W filter. Our primary scientific goal is to measure the bulge-to-disk ratio. We can achieve this objective in 1 orbit per galaxy, or 12 orbits total. Our galaxies have total magnitudes in the range $18.3 < i_{AB} < 19.3$, but are unresolved in ground-based SDSS imaging. Using the median half-light radius found for early-type galaxies at $z \sim 0.6$ (Trujillo et al. 2007), we estimate that their surface brightness at $2 R_e$ will be 23.35 mag / sq arcsec. We can achieve a $S/N \sim 4.5$ per 2×2 pixel resolution element in the F814W filter with an exposure time of $t=2400$ seconds. This depth will also enable us to measure faint tidal features down to 24 mag / sq arcsec with $S/N \sim 2.5$. We will obtain two exposures of each target using a two-point, sub-pixel dither pattern to reject hot pixels and cosmic rays while improving spatial resolution. Guide star acquisition will require 6 minutes. Filter changes, other camera setup, readout, and one small angle maneuver for dithering will take 5 minutes for each pair of exposures. In total, 11 minutes are required for overhead, leaving 40 minutes of integration time per orbit.

Proposal 12019 (STScI Edit Number: 0, Created: Monday, September 13, 2010 8:34:49 PM EST) - Overview

Visit	Proposal 12019, Visit 01, completed Tue Sep 14 01:34:50 GMT 2010 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 75.0D TO 260.0 D									
	(Visit 01) Warning (Orbit Planner): VISIBILITY OVERRUN									
Diagnosics										
Patterns	#	Primary Pattern	Secondary Pattern			Exposures				
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=1.4959 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=86.212 Angle Between Sides= Center Pattern=false				(1)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	SDSSJ110437.46+594639.6	RA: 11 04 37.4600 (166.1560833d) Dec: +59 46 39.60 (59.77767d) Equinox: J2000	Redshift: 0.5729	V=19.8+/-0.3	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(1) SDSSJ110437.46+594639.6	WFC3/UVIS, ACCUM, UVIS-FIX	F814W		POS TARG 30.0,10.0	Pattern 1, Exps 1-1 (1)	1363 Secs [==>697.5 Secs (Pattern 1, Split 1)] [==>697.5 Secs (Pattern 1, Split 2)] [==>697.5 Secs (Pattern 2, Split 1)] [==>697.5 Secs (Pattern 2, Split 2)]	[1]



Proposal 12019 - Visit 02 - After the Fall: Fading AGN in Post-starburst Galaxies

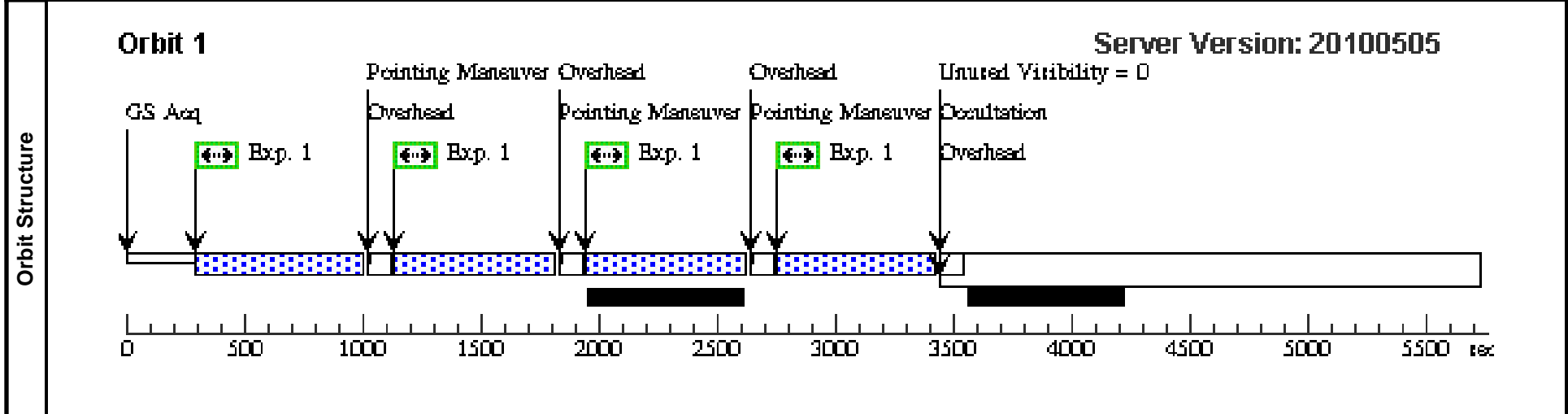
Tue Sep 14 01:34:51 GMT 2010

Visit	Proposal 12019, Visit 02, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)		

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(2)	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=MOSAIC Number Of Points=2 Point Spacing=2.4 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.754 Angle Between Sides= Center Pattern=false	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.119 Line Spacing=

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(2)	SDSSJ135920.99+513738.9	RA: 13 59 20.9900 (209.8374583d) Dec: +51 37 38.90 (51.62747d) Equinox: J2000	Redshift: 0.4131	V=19.6+/-0.3	Reference Frame: ICRS
<i>Comments: Broad Mg II</i>						

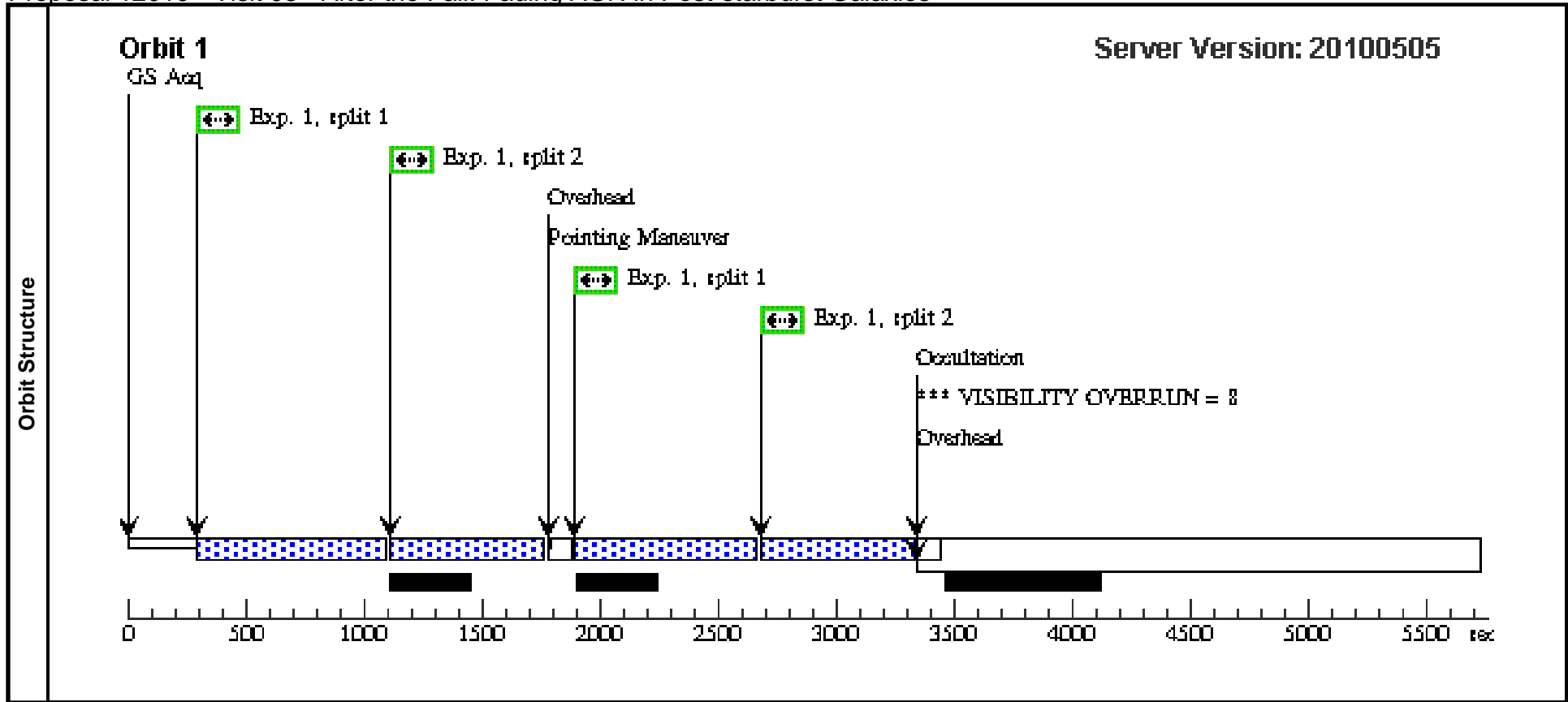
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(2) SDSSJ135920.99+513738.9	WFC3/UVIS, ACCUM, UVIS	F814W	CR-SPLIT=NO	POS TARG null,10	Pattern 2, Exps 1-1 (2)	681 Secs	[=>(Pattern 1,1)] [=>(Pattern 1,2)] [=>(Pattern 2,1)] [=>677.0 Secs (Pattern 2,2)]



Proposal 12019 - Visit 02 - After the Fall: Fading AGN in Post-starburst Galaxies

Tue Sep 14 01:34:51 GMT 2010

Visit	Proposal 12019, Visit 03, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	(Visit 03) Warning (Orbit Planner): VISIBILITY OVERRUN									
Diagnosics										
Patterns	#	Primary Pattern	Secondary Pattern			Exposures				
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=1.4959 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=86.212 Angle Between Sides= Center Pattern=false				(1)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	SDSSJ082638.41+430529.5	RA: 08 26 38.4100 (126.6600417d) Dec: +43 05 29.50 (43.09153d) Equinox: J2000	Redshift: 0.6032	V=19.4+/-0.3	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(3) SDSSJ082638.41+430529.5	WFC3/UVIS, ACCUM, UVIS	F814W		POS TARG null,10	Pattern 1, Exps 1-1 (1)	975 Secs [==>655.5 Secs (Pattern 1, Split 1)] [==>655.5 Secs (Pattern 1, Split 2)] [==>655.5 Secs (Pattern 2, Split 1)] [==>655.5 Secs (Pattern 2, Split 2)]	[1]



Proposal 12019 - Visit 04 - After the Fall: Fading AGN in Post-starburst Galaxies

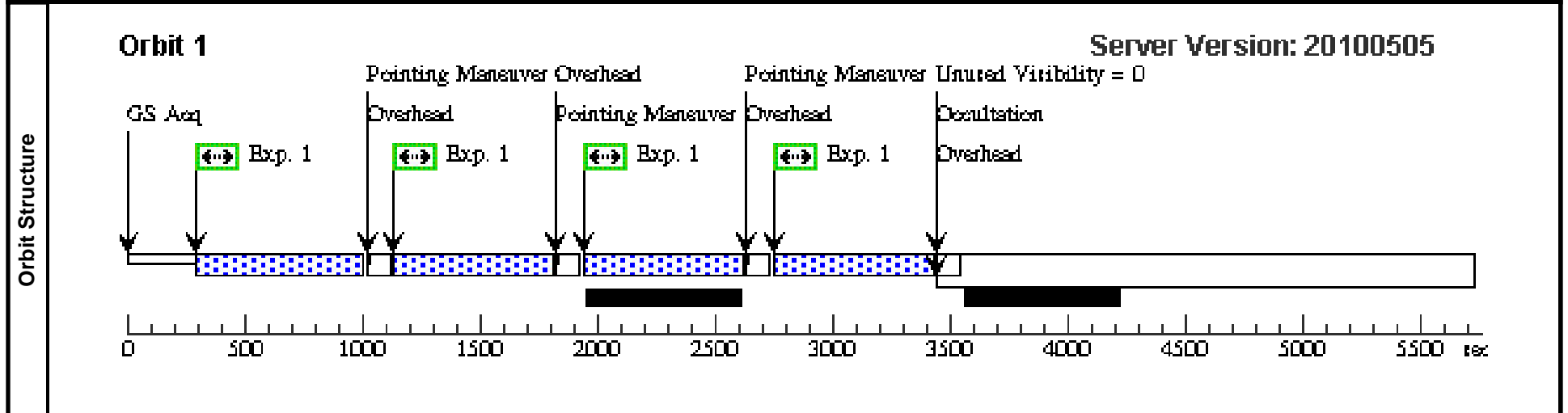
Tue Sep 14 01:34:52 GMT 2010

Visit	Proposal 12019, Visit 04, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)		

Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
		(2)	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=MOSAIC Number Of Points=2 Point Spacing=2.4 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.754 Angle Between Sides= Center Pattern=false	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.119 Line Spacing=

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
		(4)	SDSSJ150636.30+540220.9	RA: 15 06 36.3000 (226.6512500d) Dec: +54 02 20.90 (54.03914d) Equinox: J2000	Redshift: 0.6080	V=19.2+/-0.3

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
		1		(4) SDSSJ150636.30+540220.9	WFC3/UVIS, ACCUM, UVIS	F814W	CR-SPLIT=NO	POS TARG null,10	Pattern 2, Exps 1-1 (2)	680.0 Secs [=>(Pattern 1,1)] [=>(Pattern 1,2)] [=>(Pattern 2,1)] [=>(Pattern 2,2)]



Proposal 12019 - Visit 04 - After the Fall: Fading AGN in Post-starburst Galaxies

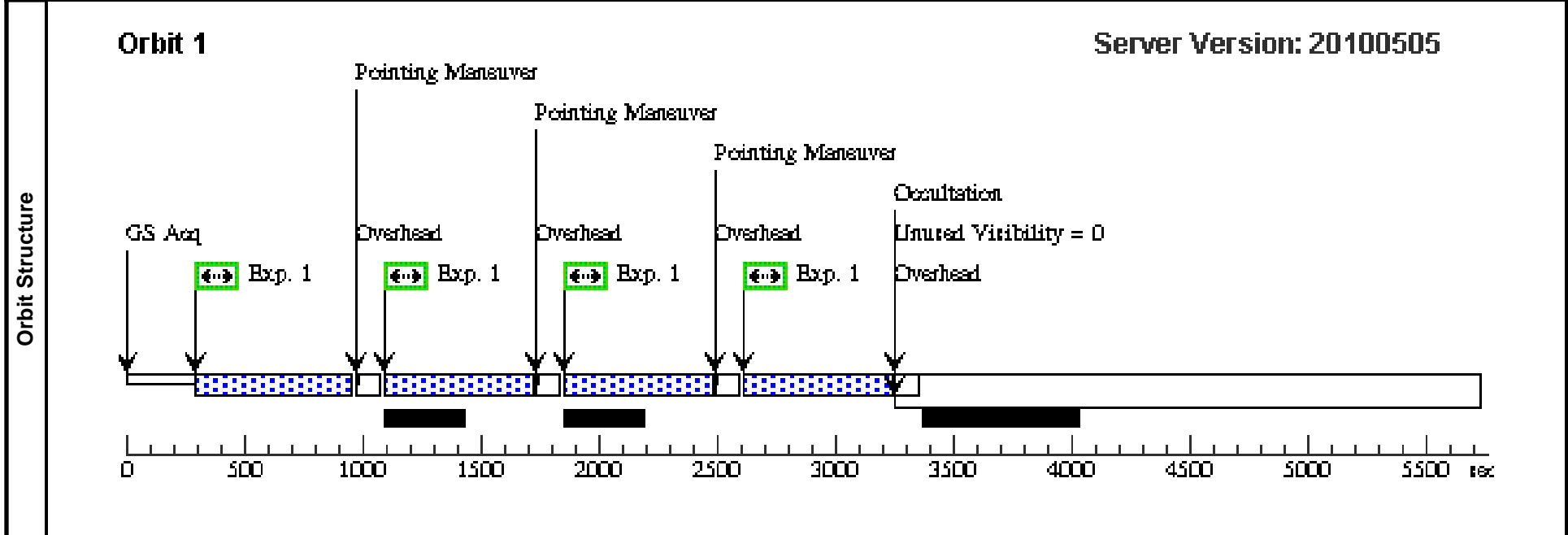
Tue Sep 14 01:34:52 GMT 2010

Visit	Proposal 12019, Visit 05, scheduling				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: WFC3/UVIS				
	Special Requirements: (none)				

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(2)	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=MOSAIC Number Of Points=2 Point Spacing=2.4 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.754 Angle Between Sides= Center Pattern=false	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.119 Line Spacing=

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(5)	SDSSJ161332.53+283414.8	RA: 16 13 32.5300 (243.3855417d) Dec: +28 34 14.80 (28.57078d) Equinox: J2000	Redshift: 0.4493	V=19.3+/-0.3	Reference Frame: ICRS

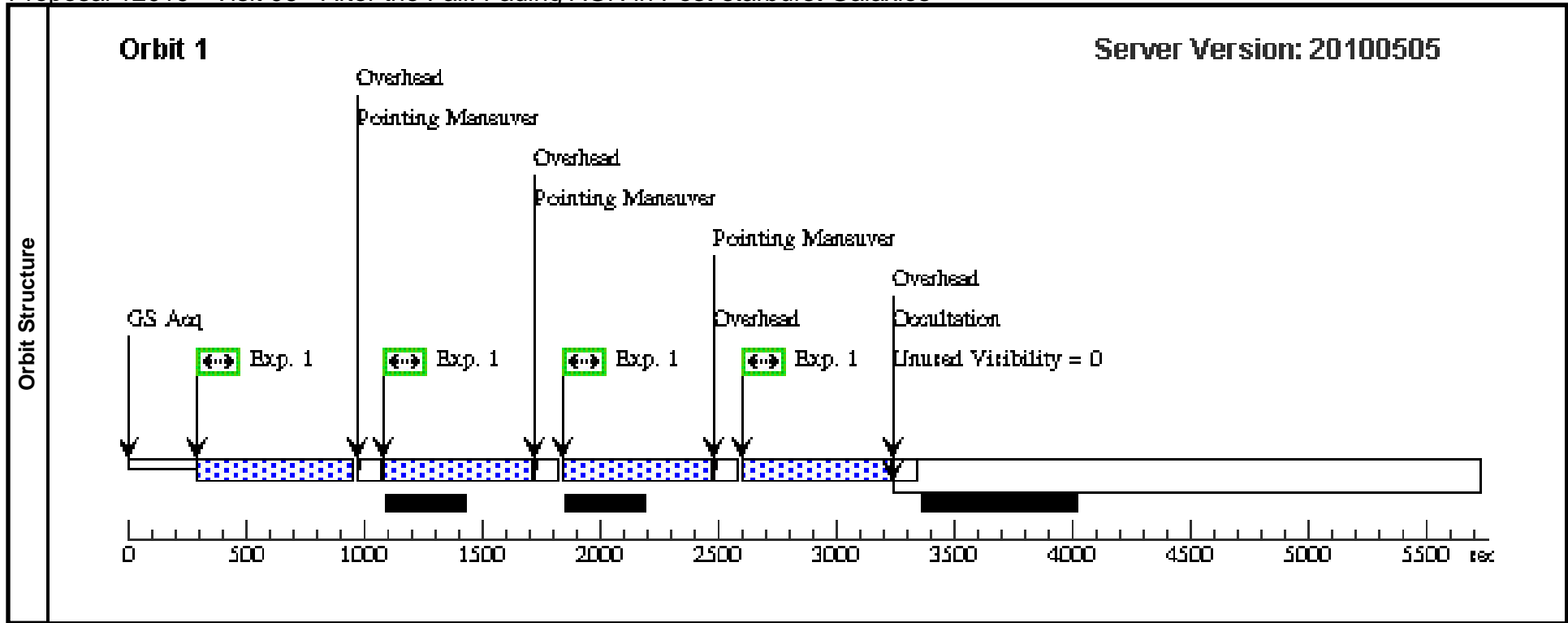
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(5) SDSSJ161332.53+283414.8	WFC3/UVIS, ACCUM, UVIS	F814W	CR-SPLIT=NO	POS TARG null,10.0	Pattern 2, Exps 1-1 (2)	633.0 Secs	[1]
								[=>(Pattern 1,1)] [=>(Pattern 1,2)] [=>(Pattern 2,1)] [=>(Pattern 2,2)]		



Proposal 12019 - Visit 05 - After the Fall: Fading AGN in Post-starburst Galaxies

Tue Sep 14 01:34:53 GMT 2010

Visit	Proposal 12019, Visit 06, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	# (2)	Primary Pattern Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=MOSAIC Number Of Points=2 Point Spacing=2.4 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.754 Angle Between Sides= Center Pattern=false	Secondary Pattern Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.119 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=33.606 Angle Between Sides= Center Pattern=false	Exposures (1)			
Fixed Targets	# (6)	Name SDSSJ214000.49+120914.6 <i>Comments: Broad Mg II</i>	Target Coordinates RA: 21 40 0.4900 (325.0020417d) Dec: +12 09 14.60 (12.15406d) Equinox: J2000	Targ. Coord. Corrections Redshift: 0.7511	Fluxes V=20.2+/-0.3	Miscellaneous Reference Frame: ICRS				
Exposures	# 1	Label (6) SDSSJ214000.49+120914.6	Target WFC3/UVIS, ACCUM, UVIS	Config,Mode,Aperture F814W	Spectral Els. CR-SPLIT=NO	Opt. Params. POS TARG null,10	Special Reqs. Pattern 2, Exps 1-1 (2)	Groups 630 Secs [==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	Exp. Time/[Actual Dur.] [1]	Orbit



Proposal 12019 - Visit 06 - After the Fall: Fading AGN in Post-starburst Galaxies

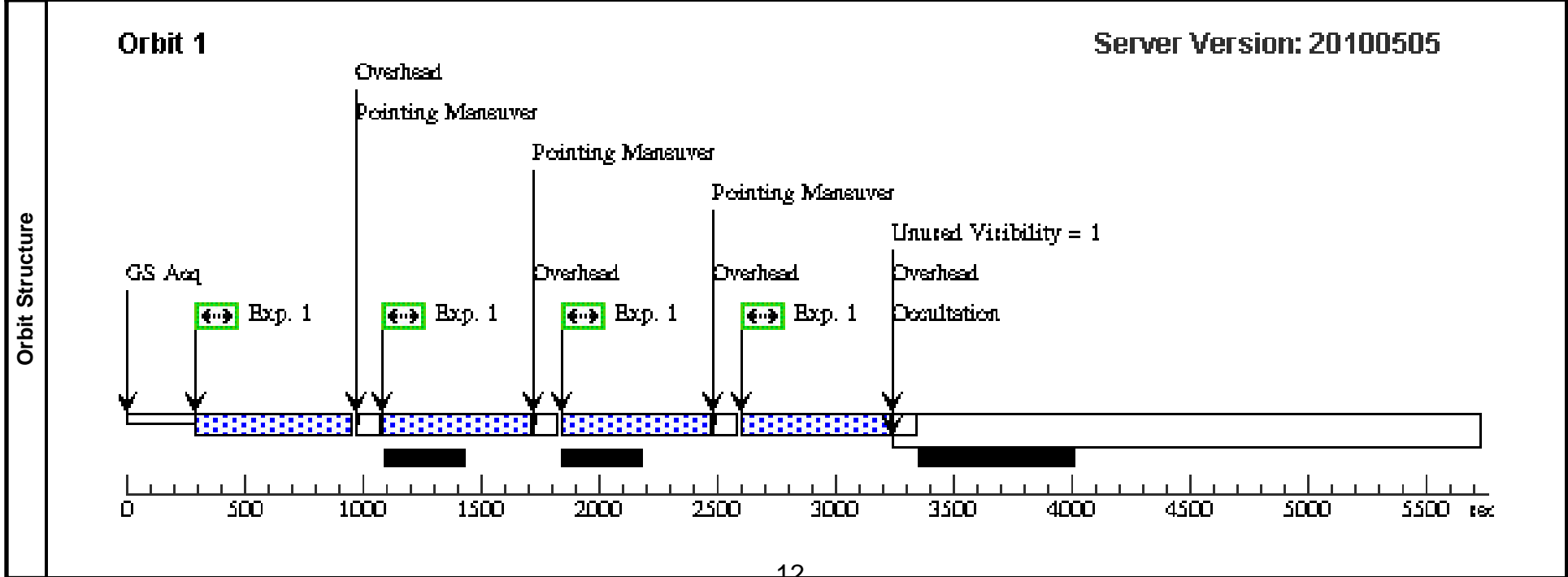
Tue Sep 14 01:34:54 GMT 2010

Visit	Proposal 12019, Visit 07, scheduling				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: WFC3/UVIS				
	Special Requirements: (none)				

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(2)	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=MOSAIC Number Of Points=2 Point Spacing=2.4 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.754 Angle Between Sides= Center Pattern=false	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.119 Line Spacing=

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(7)	SDSSJ094417.85+093019.4	RA: 09 44 17.8500 (146.0743750d) Dec: +09 30 19.40 (9.50539d) Equinox: J2000	Redshift: 0.5138	V=19.8+/-0.3	Reference Frame: ICRS

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(7) SDSSJ094417.85+093019.4	WFC3/UVIS, ACCUM, UVIS	F814W	CR-SPLIT=NO	POS TARG null,10	Pattern 2, Exps 1-1 (2)	628.5 Secs [=>(Pattern 1,1)] [=>(Pattern 1,2)] [=>(Pattern 2,1)] [=>(Pattern 2,2)]	[1]



Proposal 12019 - Visit 07 - After the Fall: Fading AGN in Post-starburst Galaxies

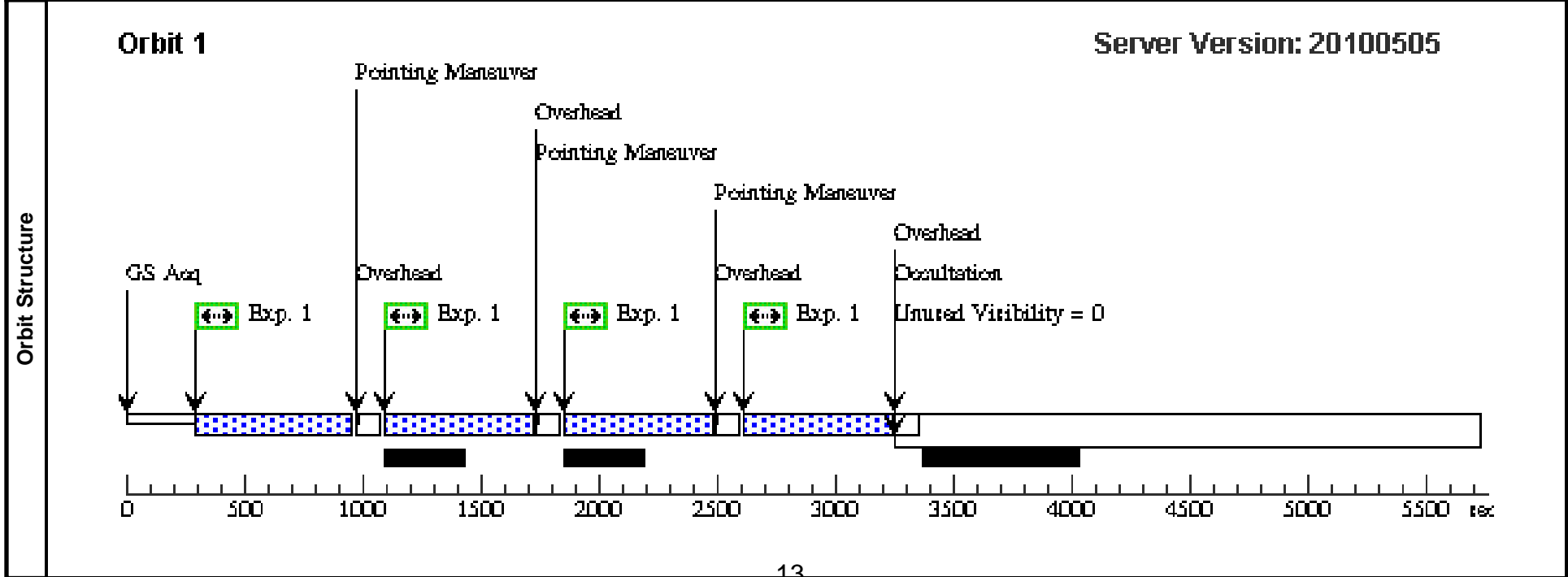
Tue Sep 14 01:34:54 GMT 2010

Visit	Proposal 12019, Visit 08, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)		
--------------	---	--	--

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(2)	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=MOSAIC Number Of Points=2 Point Spacing=2.4 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.754 Angle Between Sides= Center Pattern=false	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.119 Line Spacing=

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(8)	SDSSJ171300.39+281708.2	RA: 17 13 0.3900 (258.2516250d) Dec: +28 17 8.20 (28.28561d) Equinox: J2000	Redshift: 0.5766	V=20.3+/-0.3	Reference Frame: ICRS

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(8) SDSSJ171300.39+281708.2	WFC3/UVIS, ACCUM, UVIS	F814W	CR-SPLIT=NO	POS TARG null,10.0	Pattern 2, Exps 1-1 (2)	630 Secs	[=>633.0 Secs (Pattern 1,1)] [=>633.0 Secs (Pattern 1,2)] [=>633.0 Secs (Pattern 2,1)] [=>633.0 Secs (Pattern 2,2)]



Proposal 12019 - Visit 09 - After the Fall: Fading AGN in Post-starburst Galaxies

Tue Sep 14 01:34:55 GMT 2010

Visit	Proposal 12019, Visit 09, failed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)		
--------------	--	--	--

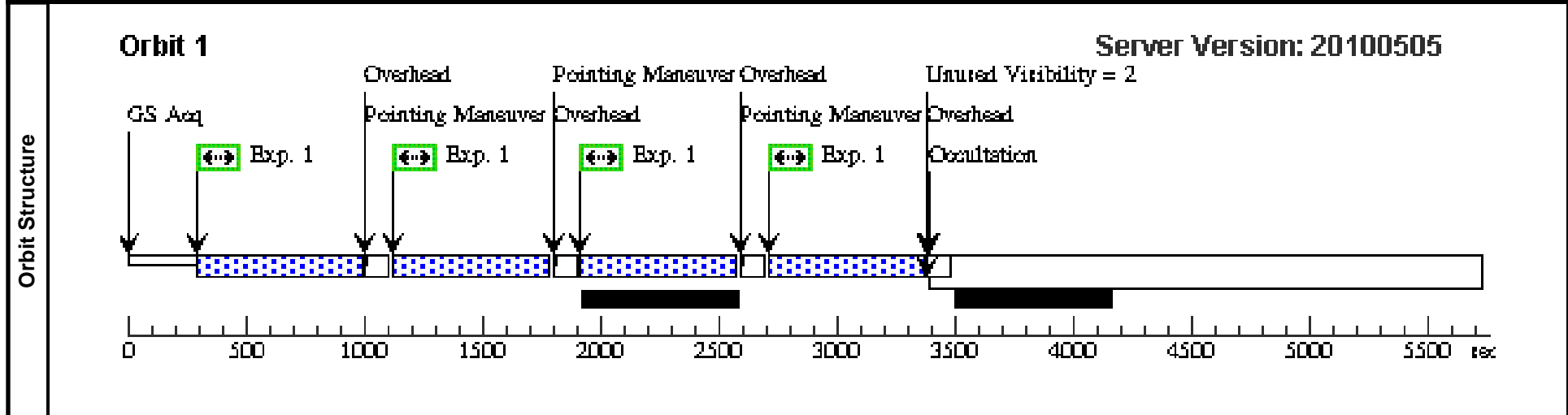
Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(2)	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=MOSAIC Number Of Points=2 Point Spacing=2.4 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.754 Angle Between Sides= Center Pattern=false	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.119 Line Spacing=

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(9)	SDSSJ163446.49+461946.7	RA: 16 34 46.4900 (248.6937083d) Dec: +46 19 46.70 (46.32964d) Equinox: J2000	Redshift: 0.5753	V=19.0+/-0.3	Reference Frame: ICRS

Comments: Broad Mg II

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(9) SDSSJ163446.49+461946.7	WFC3/UVIS, ACCUM, UVIS	F814W	CR-SPLIT=NO	POS TARG null,10.0	Pattern 2, Exps 1-1 (2)	666.0 Secs	[1]

[=>(Pattern 1,1)]
[=>(Pattern 1,2)]
[=>(Pattern 2,1)]
[=>(Pattern 2,2)]



Proposal 12019 - Visit 59 - After the Fall: Fading AGN in Post-starburst Galaxies

Tue Sep 14 01:34:55 GMT 2010

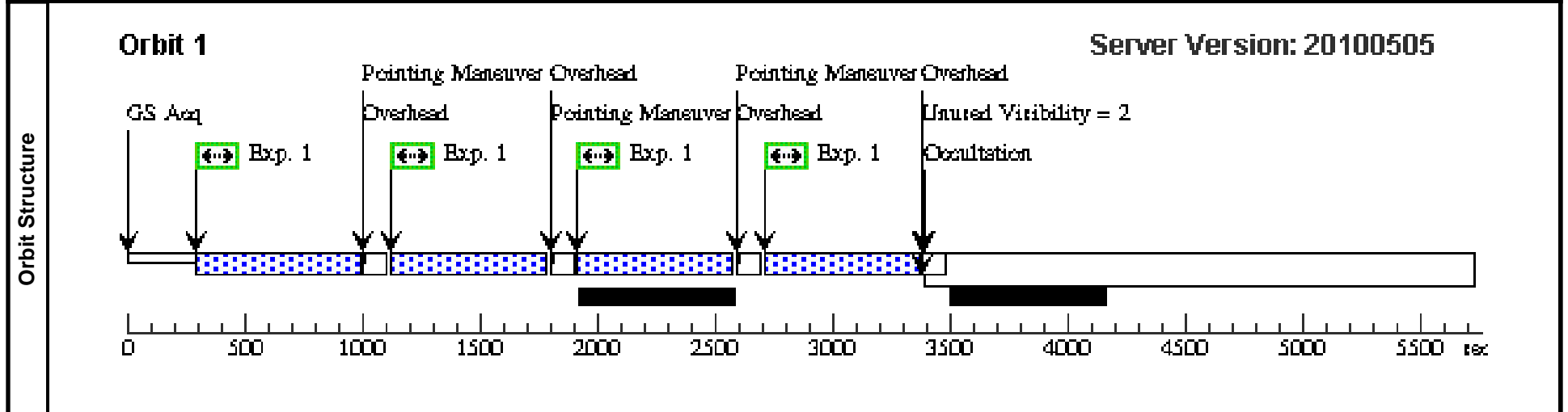
Visit	Proposal 12019, Visit 59				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: WFC3/UVIS				
	Special Requirements: (none)				

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(2)	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=MOSAIC Number Of Points=2 Point Spacing=2.4 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.754 Angle Between Sides= Center Pattern=false	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.119 Line Spacing=

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(9)	SDSSJ163446.49+46194.67	RA: 16 34 46.4900 (248.6937083d) Dec: +46 19 46.70 (46.32964d) Equinox: J2000	Redshift: 0.5753	V=19.0+/-0.3	Reference Frame: ICRS

Comments: Broad Mg II

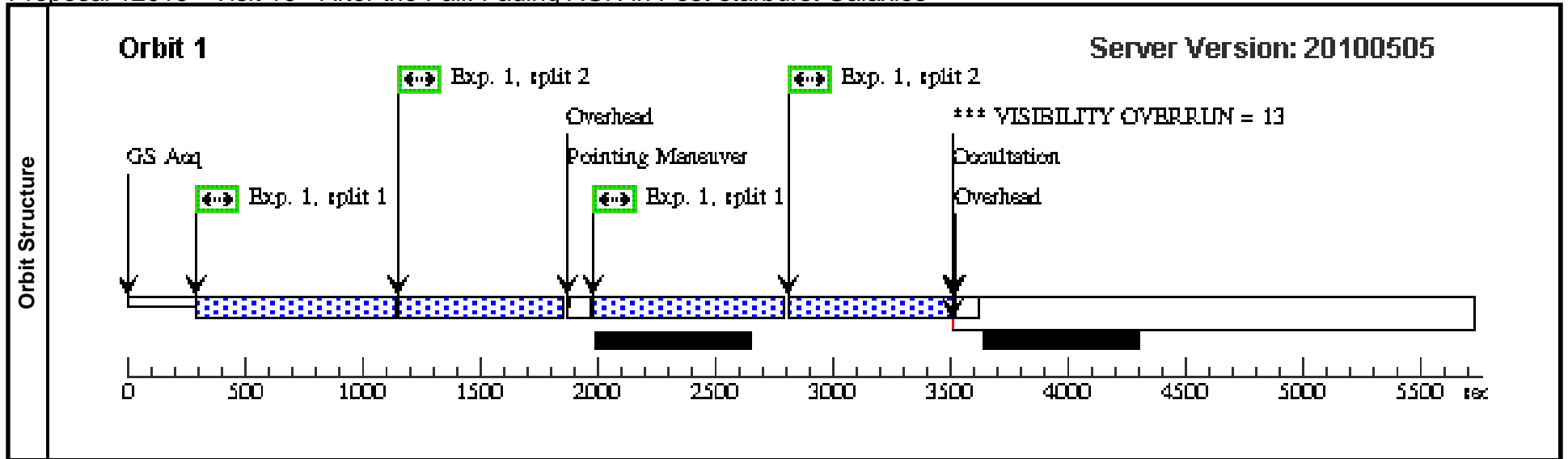
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(9) SDSSJ163446.49+461946.7	WFC3/UVIS, ACCUM, UVIS	F814W	CR-SPLIT=NO	POS TARG null,10.0	Pattern 2, Exps 1-1 (2)	666.0 Secs	[=>(Pattern 1,1)] [=>(Pattern 1,2)] [=>(Pattern 2,1)] [=>(Pattern 2,2)]



Proposal 12019 - Visit 59 - After the Fall: Fading AGN in Post-starburst Galaxies

Tue Sep 14 01:34:56 GMT 2010

Visit	Proposal 12019, Visit 10, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	(Visit 10) Warning (Orbit Planner): VISIBILITY OVERRUN									
Diagnosics										
Patterns	#	Primary Pattern	Secondary Pattern			Exposures				
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=1.4959 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=86.212 Angle Between Sides= Center Pattern=false				(1)			
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(10)	SDSSJ150603.68+613148.1	RA: 15 06 3.6800 (226.5153333d) Dec: +61 31 48.10 (61.53003d) Equinox: J2000	Redshift: 0.4365	V=19.6+/-0.3	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(10) SDSSJ150603.68+613148.1	WFC3/UVIS, ACCUM, UVIS	F814W		POS TARG null,10.0	Pattern 1, Exps 1-1 (1)	975 Secs [==>700.5 Secs (Pattern 1, Split 1)] [==>700.5 Secs (Pattern 1, Split 2)] [==>700.5 Secs (Pattern 2, Split 1)] [==>700.5 Secs (Pattern 2, Split 2)]	[1]



Proposal 12019 - Visit 10 - After the Fall: Fading AGN in Post-starburst Galaxies

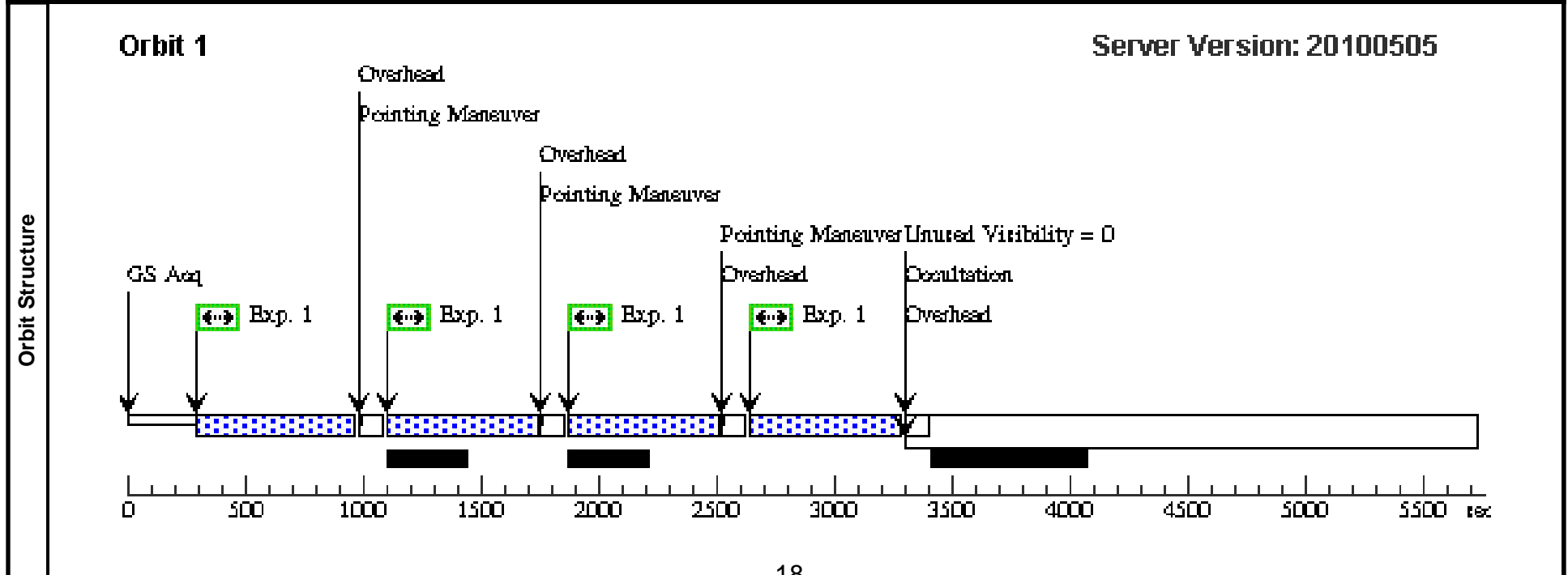
Tue Sep 14 01:34:56 GMT 2010

Visit	Proposal 12019, Visit 11, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)				
--------------	---	--	--	--	--

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(2)	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=MOSAIC Number Of Points=2 Point Spacing=2.4 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.754 Angle Between Sides= Center Pattern=false	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.119 Line Spacing=

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(11)	SDSSJ155811.24+395720.8	RA: 15 58 11.2400 (239.5468333d) Dec: +39 57 20.80 (39.95578d) Equinox: J2000	Redshift: 0.4021	V=19.1+/-0.3	Reference Frame: ICRS

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(11) SDSSJ155811.24+395720.8	WFC3/UVIS, ACCUM, UVIS	F814W	CR-SPLIT=NO	POS TARG null,10.0	Pattern 2, Exps 1-1 (2)	644.0 Secs [=>(Pattern 1,1)] [=>(Pattern 1,2)] [=>(Pattern 2,1)] [=>(Pattern 2,2)]	[1]



Proposal 12019 - Visit 11 - After the Fall: Fading AGN in Post-starburst Galaxies

Tue Sep 14 01:34:57 GMT 2010

Visit	Proposal 12019, Visit 12, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(2)	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=MOSAIC Number Of Points=2 Point Spacing=2.4 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.754 Angle Between Sides= Center Pattern=false	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.119 Line Spacing=	(1)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(12)	SDSSJ211824.06+001729.4	RA: 21 18 24.0600 (319.6002500d) Dec: +00 17 29.40 (.29150d) Equinox: J2000	Redshift: 0.4591	V=19.8+/-0.3	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(12) SDSSJ211824.06+001729.4	WFC3/UVIS, ACCUM, UVIS	F814W	CR-SPLIT=NO	POS TARG null,10	Pattern 2, Exps 1-1 (2)	627 Secs [==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[1]

