



16014 - A Local Baseline of the Black Hole Mass - Host Galaxy Scaling Relations for Active Galaxies

Cycle: 26, Proposal Category: SNAP

(Availability Mode: SUPPORTED)

INVESTIGATORS

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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>
02	(2) L56	WFC3/UVIS	1	08-Oct-2019 14:02:49.0	yes
03	(3) L43	WFC3/UVIS	1	08-Oct-2019 14:02:50.0	yes
05	(5) L80	WFC3/UVIS	1	08-Oct-2019 14:02:51.0	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>
07	(7) L130	WFC3/UVIS	1	08-Oct-2019 14:02:52.0	yes
11	(11) L28	WFC3/UVIS	1	08-Oct-2019 14:02:52.0	yes
13	(13) L59	WFC3/UVIS	1	08-Oct-2019 14:02:53.0	yes
15	(15) L14	WFC3/UVIS	1	08-Oct-2019 14:02:54.0	yes
23	(23) L34	WFC3/UVIS	1	08-Oct-2019 14:02:54.0	yes
28	(28) L45	WFC3/UVIS	1	08-Oct-2019 14:02:55.0	yes
31	(31) L13	WFC3/UVIS	1	08-Oct-2019 14:02:56.0	yes
32	(32) L50	WFC3/UVIS	1	08-Oct-2019 14:02:57.0	yes
38	(38) L29	WFC3/UVIS	1	08-Oct-2019 14:02:57.0	yes
42	(42) L197	WFC3/UVIS	1	08-Oct-2019 14:02:58.0	yes
45	(45) L196	WFC3/UVIS	1	08-Oct-2019 14:02:58.0	yes
49	(49) L5	WFC3/UVIS	1	08-Oct-2019 14:02:59.0	yes
71	(71) L83	WFC3/UVIS	1	08-Oct-2019 14:03:00.0	yes
79	(79) L49	WFC3/UVIS	1	08-Oct-2019 14:03:00.0	yes
84	(84) L41	WFC3/UVIS	1	08-Oct-2019 14:03:01.0	yes

18 Total Orbits Used

ABSTRACT

The discovery of relations between supermassive black holes (BHs) and their host-galaxy properties has sparked many observational studies pertaining both to the local Universe and cosmic history. Nevertheless, a clear understanding of their origin and fundamental drivers still eludes us. Studying the evolution of these relations depends on our understanding of the slope and scatter of local relations for active galaxies (AGNs). We propose a SNAP program of a unique sample of 84 local type-1 AGNs, spanning a wide range of BH masses (MBH), morphologies, and stellar masses. The high resolution WFC3/F814W images are essential for a detailed decomposition of the host-galaxy in the presence of a bright AGN point source, resulting in precise measurements of the different host-galaxy components and AGN luminosity free of host-galaxy contamination for a robust determination of MBH. When complemented with spatially-resolved Keck spectra to determine stellar-velocity dispersion within bulge effective radius, this yields a most complete baseline of host-galaxy properties over the entire range of MBH scaling relations. A typical SNAP

completion rate results in a sample of ~30 objects which will be used to calibrate existing Gemini NIRI and SDSS images. We will study slope and scatter of the relations, dependencies and fundamental drivers. The frequency of pseudo-bulges, bars, and (minor) mergers will reveal the dominant growth mechanism of spheroids. The homogeneous sample will identify any selection biases in the reverberation-mapped AGN sample which serves as a MBH calibrator for the entire Universe. Results will be compared with state-of-the-art semi-analytical models.

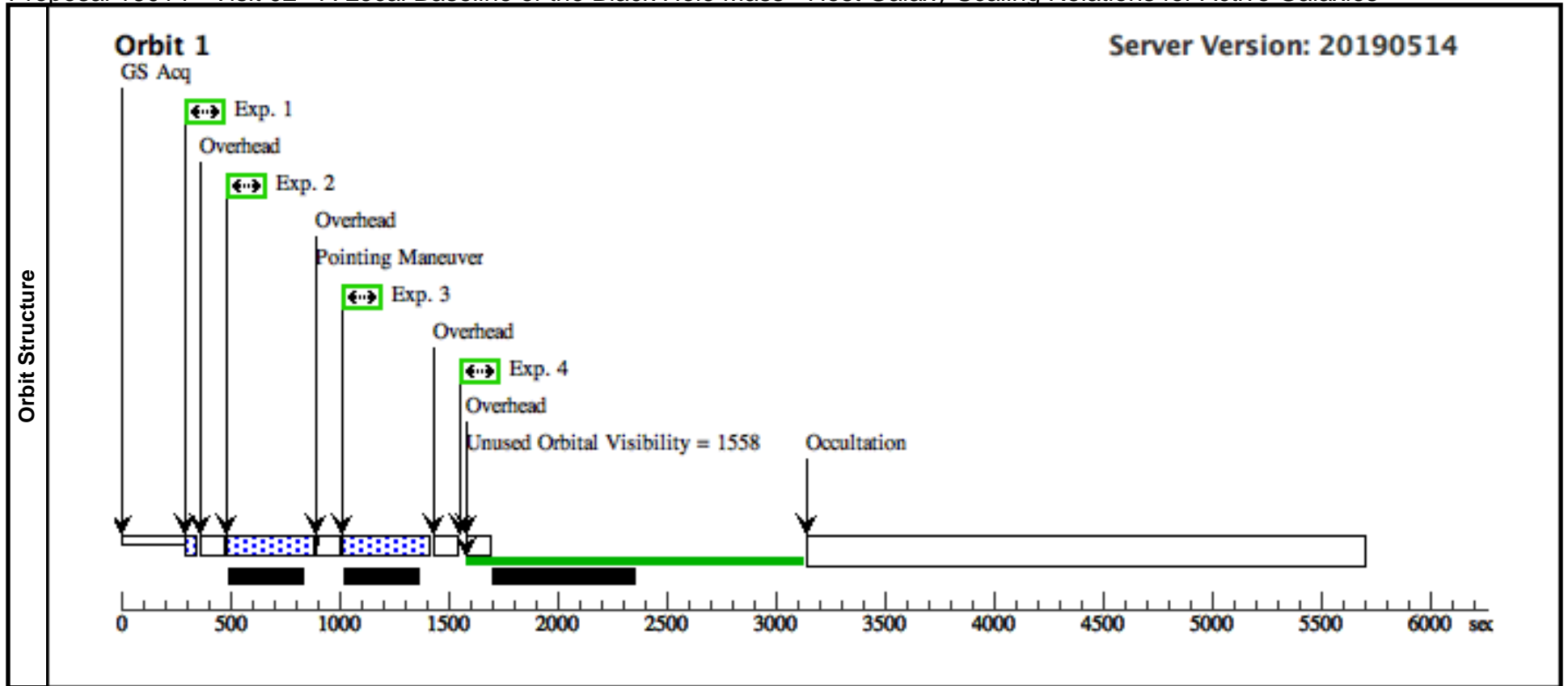
OBSERVING DESCRIPTION

This is a SNAP observing proposal of a total of 84 local ($z < 0.1$) type-1 Active Galactic Nuclei (AGNs). We will obtain WFC3/UVIS images in F814W to maximize the contrast between AGN and host, avoiding strong AGN emission lines, while taking full advantage of the high resolution of UVIS. The ETC indicates saturation for the brightest objects (14.8 mag in SDSS i-band) after 20s. To obtain the dynamic range needed for an accurate decomposition of the host galaxy and the AGN, the long exposures will be complemented by short, unsaturated ones. We will take sequences of one short (between 20-100 sec, depending on the object's brightness) and one long exposure (400 sec), one long and one short exposure, to avoid buffer dump (which will occur during the long exposures). POS TARG is used to set up a dither pattern manually that corresponds to the default WFC3-UVIS-GAP-LINE (with center UVIS). The total time including overheads amounts to just under 30 minutes, ideal for a SNAP program. We have split the targets according to their SDSS i-band magnitude in five magnitude bins and used the ETC to calculate the time until saturation and use conservative limits for the short exposures. Full frame read out is necessary to trace the host galaxy disks until the background and to obtain field stars for PSF fitting of the strong AGN point source in the center.

Proposal 16014 - Visit 02 - A Local Baseline of the Black Hole Mass - Host Galaxy Scaling Relations for Active Galaxies

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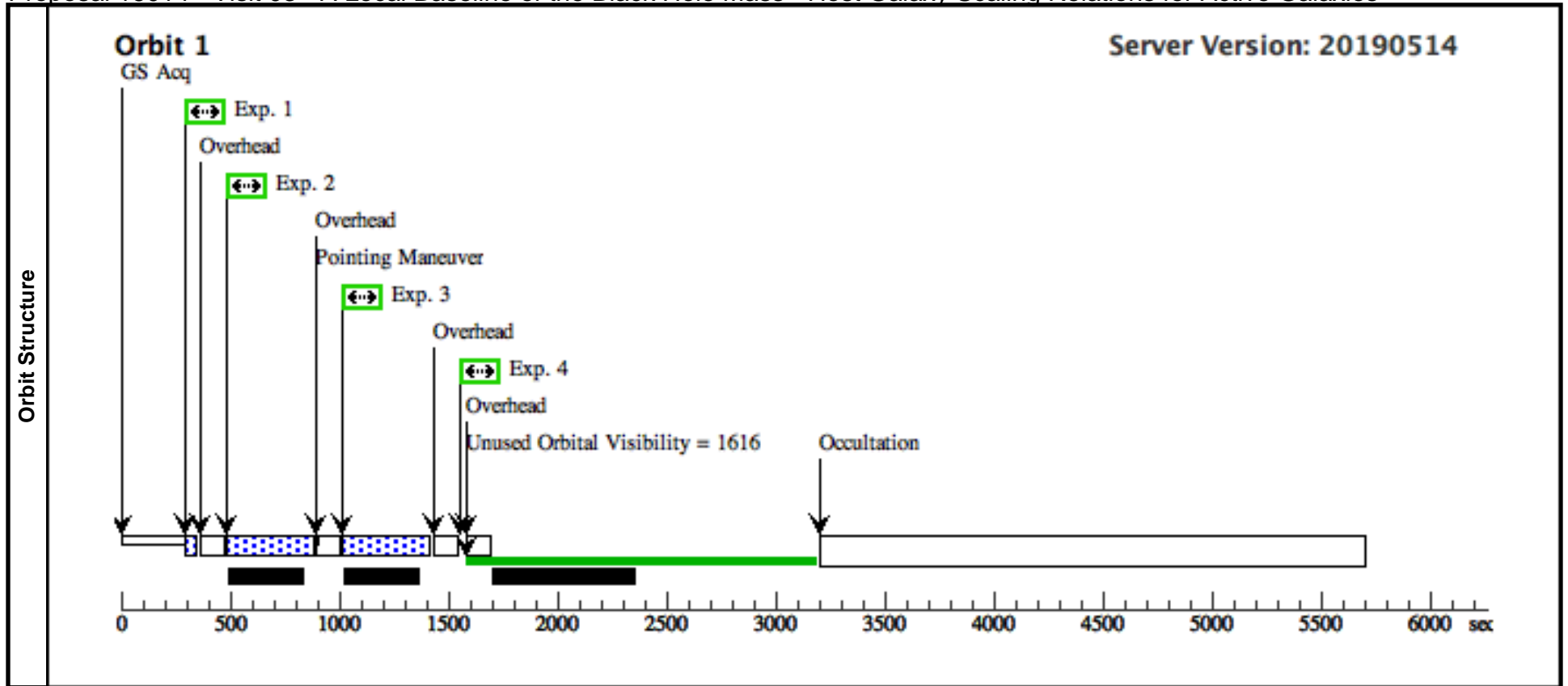
Visit	Proposal 16014, Visit 02, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(2)	L56	RA: 15 05 56.5533 (226.4856388d) Dec: +03 42 26.31 (3.70731d) Equinox: J2000		V=(?) 15.125493	Reference Frame: ICRS				
	<i>Comments: 20s</i> <i>Category=GALAXY</i> <i>Description=[SEYFERT]</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(2) L56		WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=12	POS TARG -0.089,-1.203		20 Secs (20 Secs)	
									[==>]	[1]
	2	(2) L56		WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=3	SAME POS AS 1		400 Secs (400 Secs)	
									[==>]	[1]
3	(2) L56		WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=3	POS TARG 0.089,1.203		400 Secs (400 Secs)		
								[==>]	[1]	
4	(2) L56		WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=12	SAME POS AS 3		20 Secs (20 Secs)		
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Proposal 16014 - Visit 03 - A Local Baseline of the Black Hole Mass - Host Galaxy Scaling Relations for Active Galaxies

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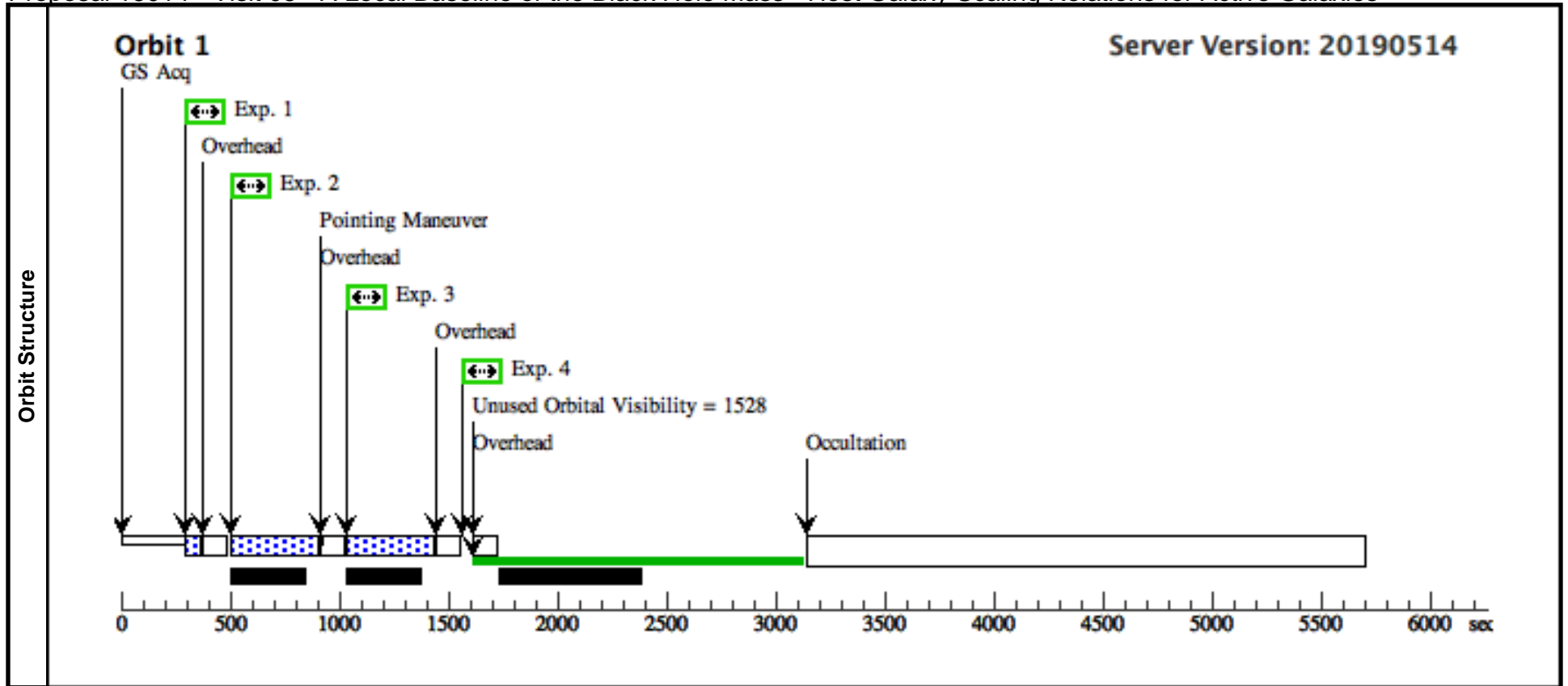
Visit	Proposal 16014, Visit 03, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(3)	L43	RA: 12 10 44.2766 (182.6844858d) Dec: +38 20 10.29 (38.33619d) Equinox: J2000		V=(?) 15.2384	Reference Frame: ICRS				
	<i>Comments: 20s</i> <i>Category=GALAXY</i> <i>Description=[SEYFERT]</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(3) L43		WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=12	POS TARG -0.089,-1.203		20 Secs (20 Secs)	
									[==>]	[1]
	2	(3) L43		WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=3	SAME POS AS 1		400 Secs (400 Secs)	
									[==>]	[1]
3	(3) L43		WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=3	POS TARG 0.089,1.203		400 Secs (400 Secs)		
								[==>]	[1]	
4	(3) L43		WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=12	SAME POS AS 3		20 Secs (20 Secs)		
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Proposal 16014 - Visit 05 - A Local Baseline of the Black Hole Mass - Host Galaxy Scaling Relations for Active Galaxies

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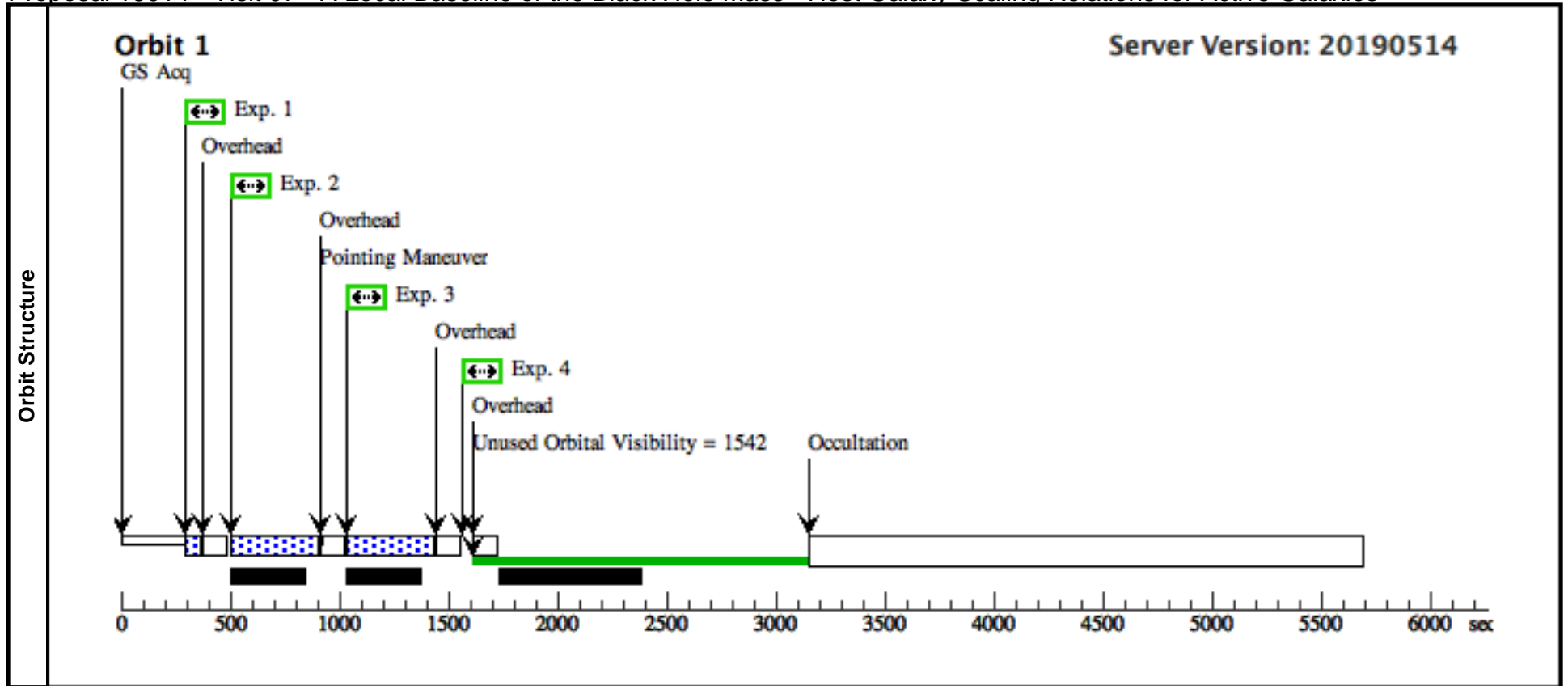
Visit	Proposal 16014, Visit 05, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(5)	L80	RA: 03 10 27.8253 (47.6159387d) Dec: -00 49 50.78 (-.83077d) Equinox: J2000		V=(?) 15.470798	Reference Frame: ICRS				
	<i>Comments: 35s</i> <i>Category=GALAXY</i> <i>Description=[SEYFERT]</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(5) L80		WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=11	POS TARG -0.089,-1.203		35 Secs (35 Secs)	
									[==>]	[1]
	2	(5) L80		WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=3	SAME POS AS 1		400 Secs (400 Secs)	
									[==>]	[1]
3	(5) L80		WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=3	POS TARG 0.089,1.203		400 Secs (400 Secs)		
								[==>]	[1]	
4	(5) L80		WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=11	SAME POS AS 3		35 Secs (35 Secs)		
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Proposal 16014 - Visit 07 - A Local Baseline of the Black Hole Mass - Host Galaxy Scaling Relations for Active Galaxies

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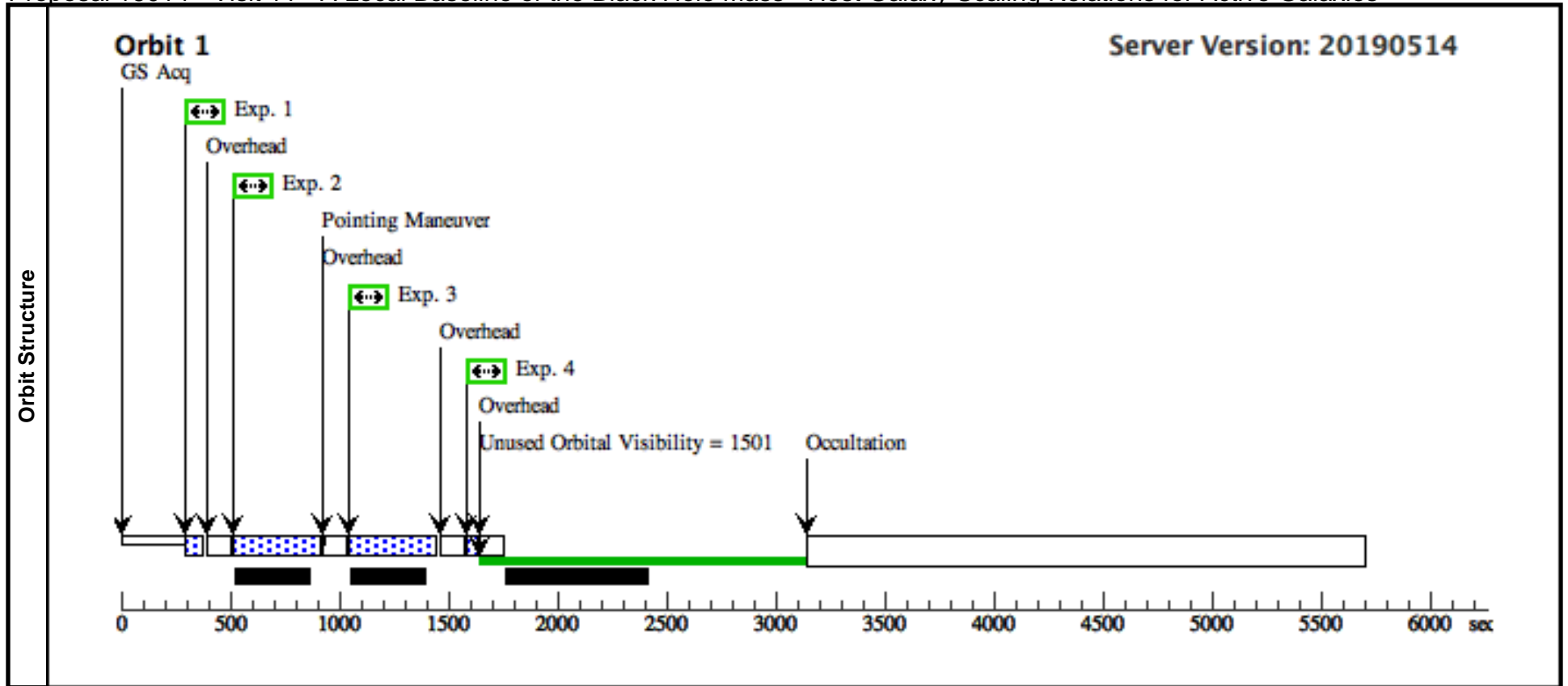
Visit	Proposal 16014, Visit 07 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
		(7)	L130	RA: 08 54 39.2390 (133.6634958d) Dec: +17 41 22.37 (17.68955d) Equinox: J2000		V=(?) 15.58193	Reference Frame: ICRS			
	<i>Comments: 35s</i> <i>Category=GALAXY</i> <i>Description=[SEYFERT]</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(7) L130	(7) L130	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=11	POS TARG -0.089,-1.203		35 Secs (35 Secs) [==>]	[1]
	2	(7) L130	(7) L130	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=3	SAME POS AS 1		400 Secs (400 Secs) [==>]	[1]
	3	(7) L130	(7) L130	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=3	POS TARG 0.089,1.203		400 Secs (400 Secs) [==>]	[1]
	4	(7) L130	(7) L130	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=11	SAME POS AS 3		35 Secs (35 Secs) [==>]	[1]



Proposal 16014 - Visit 11 - A Local Baseline of the Black Hole Mass - Host Galaxy Scaling Relations for Active Galaxies

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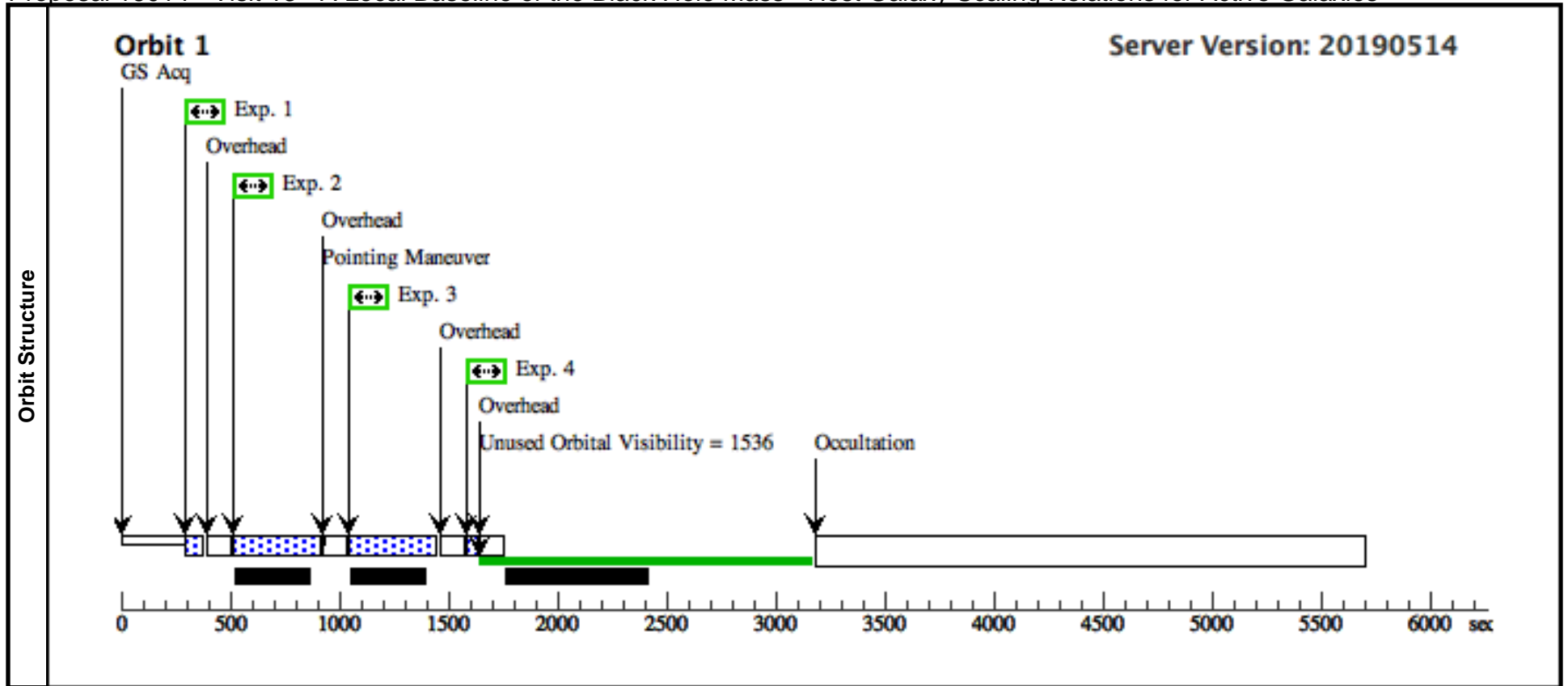
Visit	Proposal 16014, Visit 11, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(11)	L28	RA: 09 38 12.2711 (144.5511296d) Dec: +07 43 39.96 (7.72777d) Equinox: J2000		V=(?) 15.856964	Reference Frame: ICRS				
	<i>Comments: 50s</i> <i>Category=GALAXY</i> <i>Description=[SEYFERT]</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(11) L28	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=11	POS TARG -0.089,-1.203		50 Secs (50 Secs) [==>]	[1]
	2		(11) L28	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=3	SAME POS AS 1		400 Secs (400 Secs) [==>]	[1]
	3		(11) L28	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=3	POS TARG 0.089,1.203		400 Secs (400 Secs) [==>]	[1]
	4		(11) L28	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=11	SAME POS AS 3		50 Secs (50 Secs) [==>]	[1]



Proposal 16014 - Visit 13 - A Local Baseline of the Black Hole Mass - Host Galaxy Scaling Relations for Active Galaxies

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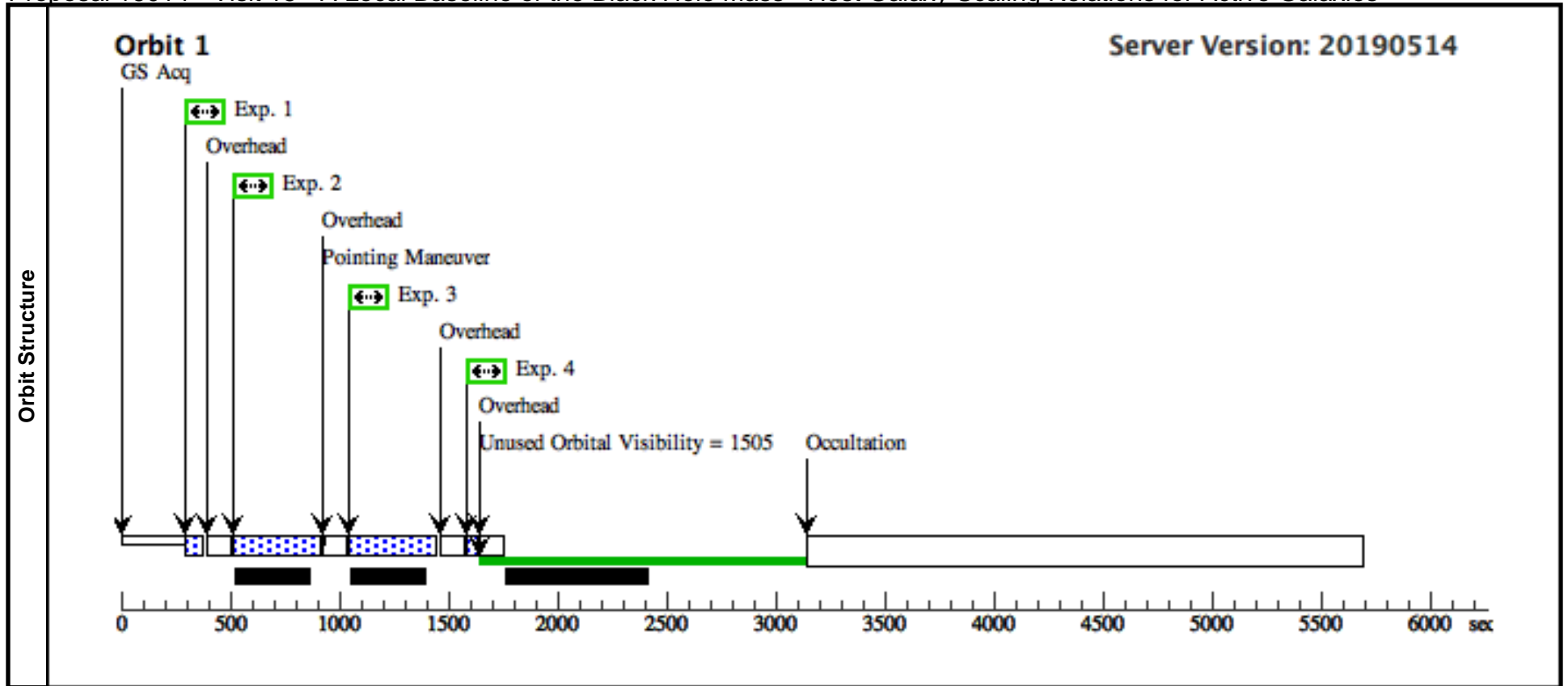
Visit	Proposal 16014, Visit 13, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(13)	L59	RA: 15 54 17.4303 (238.5726263d) Dec: +32 38 37.89 (32.64386d) Equinox: J2000		V=(?) 16.003117	Reference Frame: ICRS				
	<i>Comments: 50s</i> <i>Category=GALAXY</i> <i>Description=[SEYFERT]</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(13) L59		WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=11	POS TARG -0.089,-1.203		50 Secs (50 Secs) [==>]	[1]
	2	(13) L59		WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=3	SAME POS AS 1		400 Secs (400 Secs) [==>]	[1]
	3	(13) L59		WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=3	POS TARG 0.089,1.203		400 Secs (400 Secs) [==>]	[1]
	4	(13) L59		WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=11	SAME POS AS 3		50 Secs (50 Secs) [==>]	[1]



Proposal 16014 - Visit 15 - A Local Baseline of the Black Hole Mass - Host Galaxy Scaling Relations for Active Galaxies

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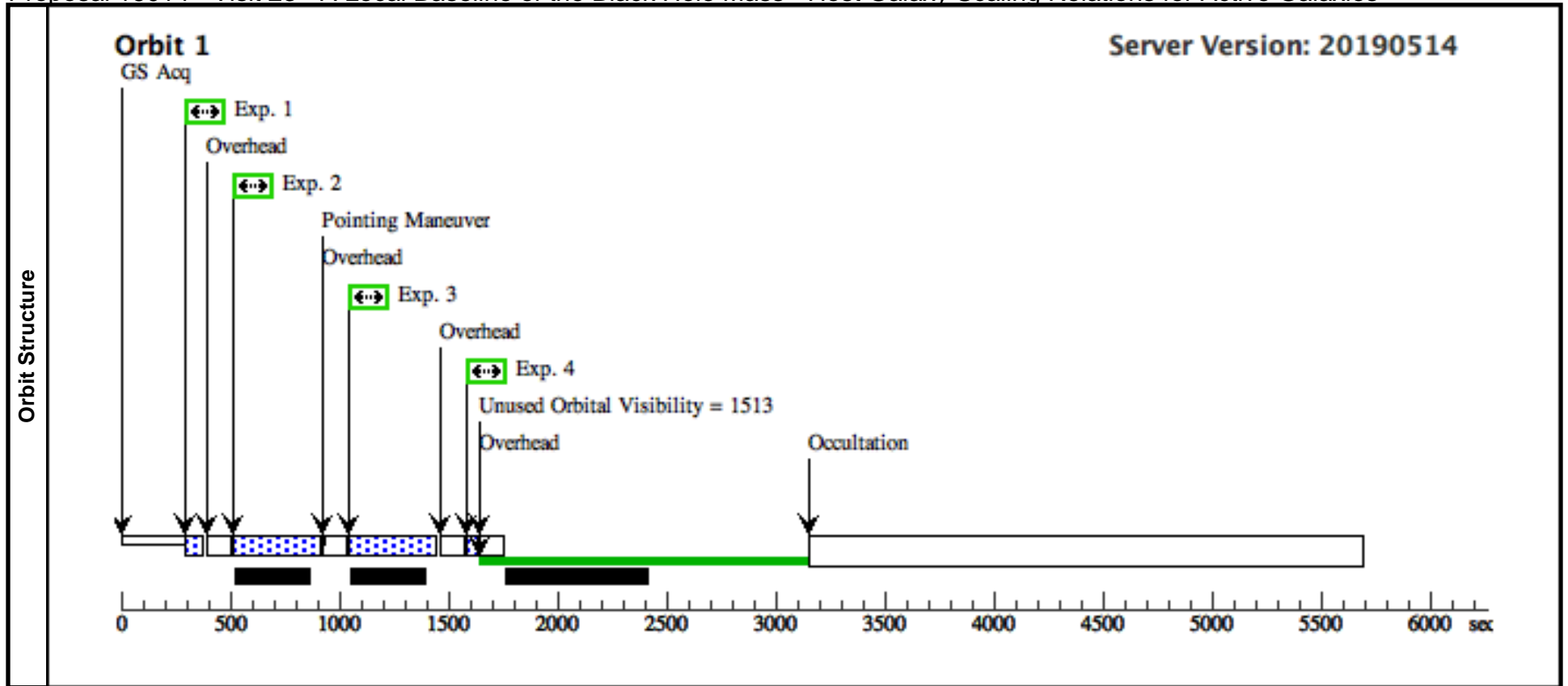
Visit	Proposal 16014, Visit 15, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(15)	L14	RA: 11 32 49.2777 (173.2053237d) Dec: +10 17 47.27 (10.29646d) Equinox: J2000		V=(?) 16.113777	Reference Frame: ICRS				
	<i>Comments: 50s</i> <i>Category=GALAXY</i> <i>Description=[SEYFERT]</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(15) L14	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=11	POS TARG -0.089,-1.203		50 Secs (50 Secs)	
									[==>]	[1]
	2		(15) L14	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=3	SAME POS AS 1		400 Secs (400 Secs)	
									[==>]	[1]
3		(15) L14	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=3	POS TARG 0.089,1.203		400 Secs (400 Secs)		
								[==>]	[1]	
4		(15) L14	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=11	SAME POS AS 3		50 Secs (50 Secs)		
								[==>]	[1]	



Proposal 16014 - Visit 23 - A Local Baseline of the Black Hole Mass - Host Galaxy Scaling Relations for Active Galaxies

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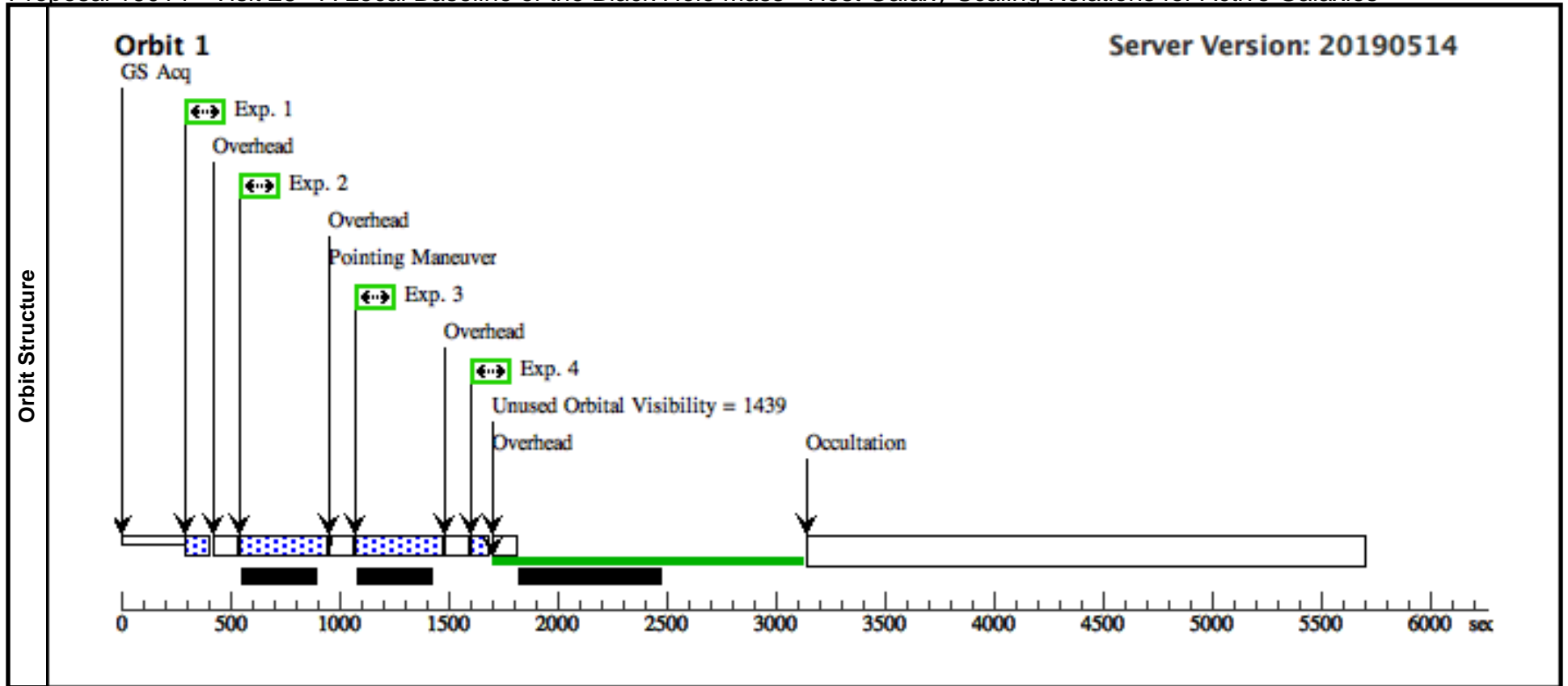
Visit	Proposal 16014, Visit 23, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(23)	L34	RA: 10 49 25.3910 (162.3557958d) Dec: +24 51 23.80 (24.85661d) Equinox: J2000		V=(?) 16.240744	Reference Frame: ICRS				
	<i>Comments: 50s</i> <i>Category=GALAXY</i> <i>Description=[SEYFERT]</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(23) L34	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=11	POS TARG -0.089,-1.203		50 Secs (50 Secs)	
									[==>]	[1]
	2		(23) L34	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=3	SAME POS AS 1		400 Secs (400 Secs)	
									[==>]	[1]
3		(23) L34	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=3	POS TARG 0.089,1.203		400 Secs (400 Secs)		
								[==>]	[1]	
4		(23) L34	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=11	SAME POS AS 3		50 Secs (50 Secs)		
								[==>]	[1]	



Proposal 16014 - Visit 28 - A Local Baseline of the Black Hole Mass - Host Galaxy Scaling Relations for Active Galaxies

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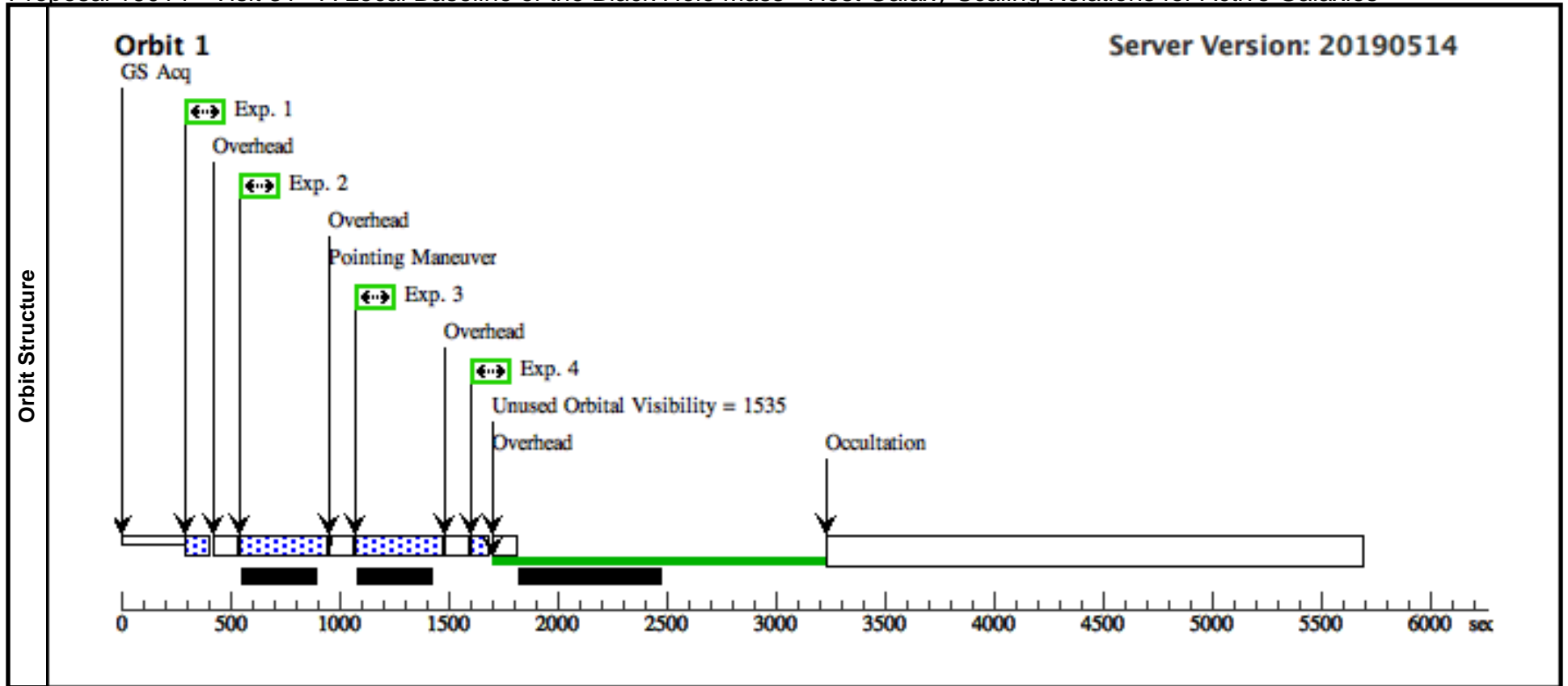
Visit	Proposal 16014, Visit 28, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(28)	L45	RA: 12 23 24.1384 (185.8505767d) Dec: +02 40 44.47 (2.67902d) Equinox: J2000		V=(?) 16.345623	Reference Frame: ICRS				
	<i>Comments: 80s</i> <i>Category=GALAXY</i> <i>Description=[SEYFERT]</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(28) L45	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=10	POS TARG -0.089,-1.203		80 Secs (80 Secs)	
									[==>]	[1]
	2		(28) L45	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=3	SAME POS AS 1		400 Secs (400 Secs)	
									[==>]	[1]
3		(28) L45	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=3	POS TARG 0.089,1.203		400 Secs (400 Secs)		
								[==>]	[1]	
4		(28) L45	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=10	SAME POS AS 3		80 Secs (80 Secs)		
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Proposal 16014 - Visit 31 - A Local Baseline of the Black Hole Mass - Host Galaxy Scaling Relations for Active Galaxies

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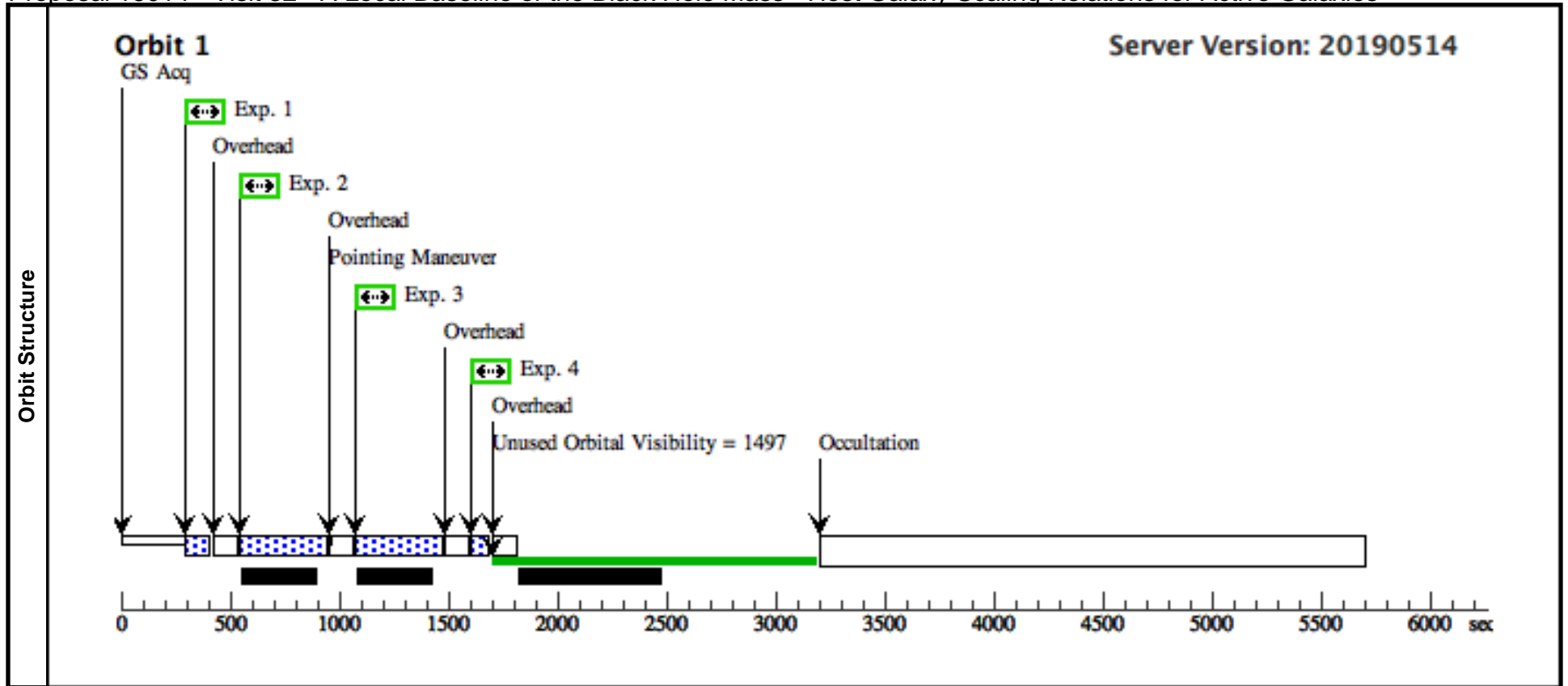
Visit	Proposal 16014, Visit 31, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(31)	L13	RA: 11 16 7.6540 (169.0318917d) Dec: +41 23 53.20 (41.39811d) Equinox: J2000		V=(?) 16.431717	Reference Frame: ICRS				
	<i>Comments: 80s</i> <i>Category=GALAXY</i> <i>Description=[SEYFERT]</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(31) L13	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=10	POS TARG -0.089,-1.203		80 Secs (80 Secs)	
									[==>]	[1]
	2		(31) L13	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=3	SAME POS AS 1		400 Secs (400 Secs)	
									[==>]	[1]
3		(31) L13	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=3	POS TARG 0.089,1.203		400 Secs (400 Secs)		
								[==>]	[1]	
4		(31) L13	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=10	SAME POS AS 3		80 Secs (80 Secs)		
								[==>]	[1]	



Proposal 16014 - Visit 32 - A Local Baseline of the Black Hole Mass - Host Galaxy Scaling Relations for Active Galaxies

Tue Oct 08 18:03:03 GMT 2019

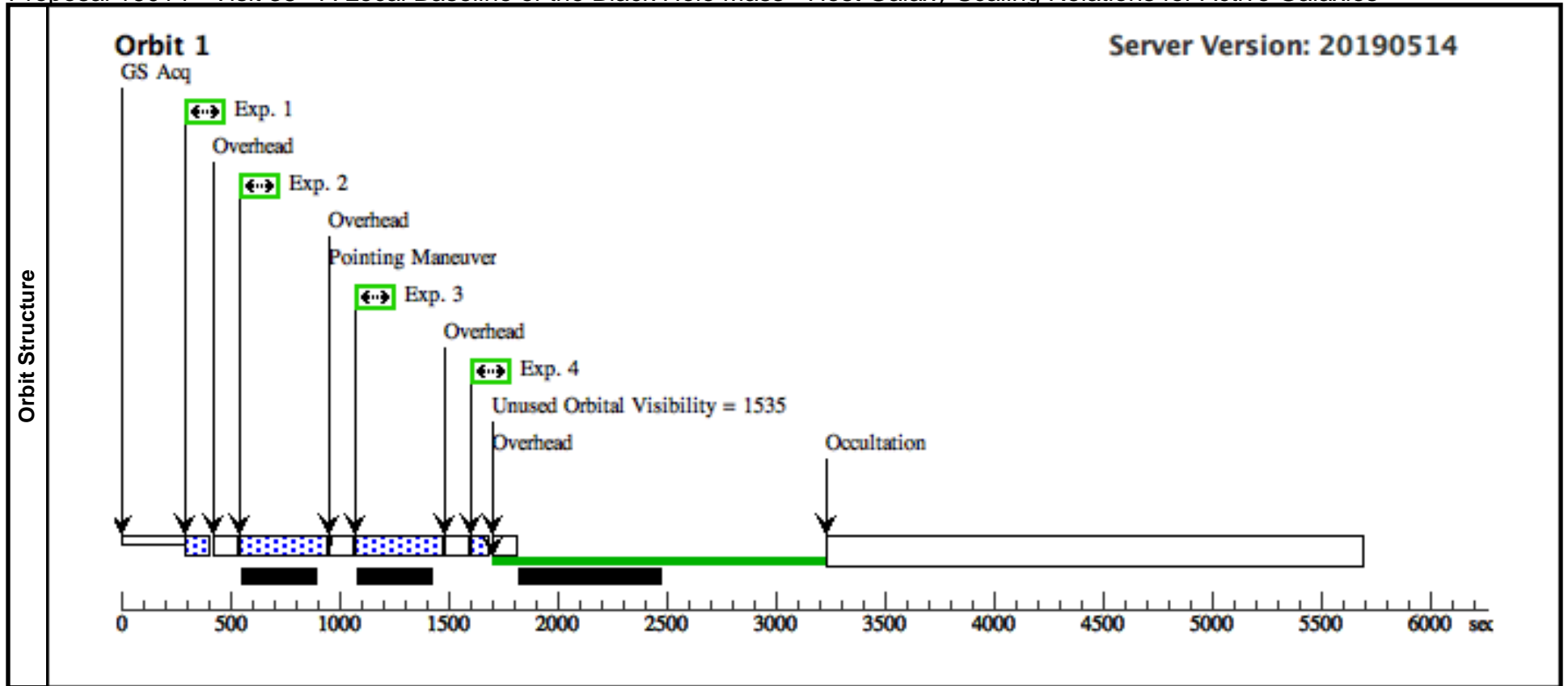
Visit	Proposal 16014, Visit 32, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(32)	L50	RA: 13 55 53.5235 (208.9730146d) Dec: +38 34 28.73 (38.57465d) Equinox: J2000		V=(?) 16.445042	Reference Frame: ICRS				
	<i>Comments: 80s</i> <i>Category=GALAXY</i> <i>Description=[SEYFERT]</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(32) L50	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=10	POS TARG -0.089,-1.203		80 Secs (80 Secs)	
									[==>]	[1]
	2		(32) L50	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=3	SAME POS AS 1		400 Secs (400 Secs)	
									[==>]	[1]
3		(32) L50	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=3	POS TARG 0.089,1.203		400 Secs (400 Secs)		
								[==>]	[1]	
4		(32) L50	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=10	SAME POS AS 3		80 Secs (80 Secs)		
								[==>]	[1]	



Proposal 16014 - Visit 38 - A Local Baseline of the Black Hole Mass - Host Galaxy Scaling Relations for Active Galaxies

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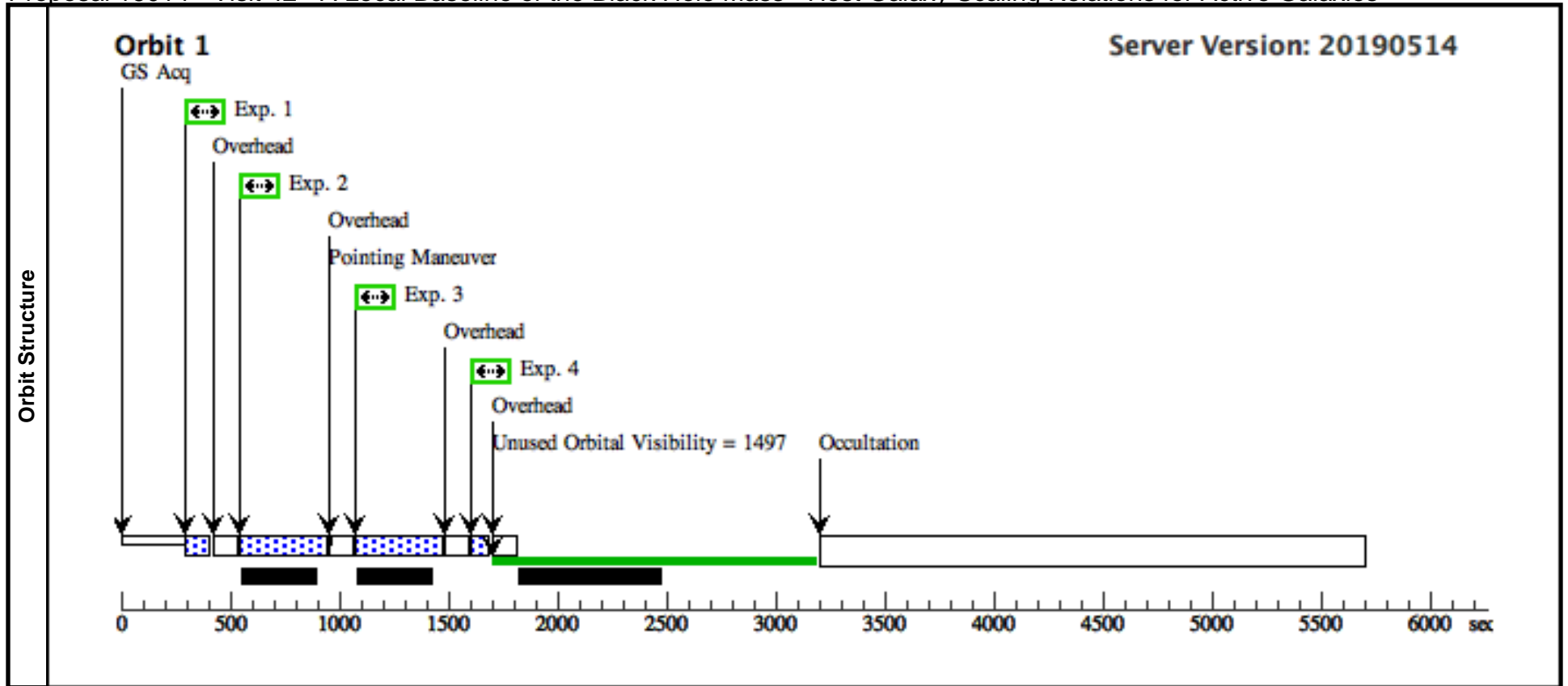
Visit	Proposal 16014, Visit 38, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
		(38)	L29	RA: 09 48 38.4214 (147.1600892d) Dec: +40 30 43.72 (40.51214d) Equinox: J2000		V=(?) 16.558962	Reference Frame: ICRS			
	<i>Comments: 80s</i> <i>Category=GALAXY</i> <i>Description=[SEYFERT]</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(38) L29		WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=10	POS TARG -0.089,-1.203		80 Secs (80 Secs) [==>]	[1]
	2	(38) L29		WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=3	SAME POS AS 1		400 Secs (400 Secs) [==>]	[1]
	3	(38) L29		WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=3	POS TARG 0.089,1.203		400 Secs (400 Secs) [==>]	[1]
	4	(38) L29		WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=10	SAME POS AS 3		80 Secs (80 Secs) [==>]	[1]



Proposal 16014 - Visit 42 - A Local Baseline of the Black Hole Mass - Host Galaxy Scaling Relations for Active Galaxies

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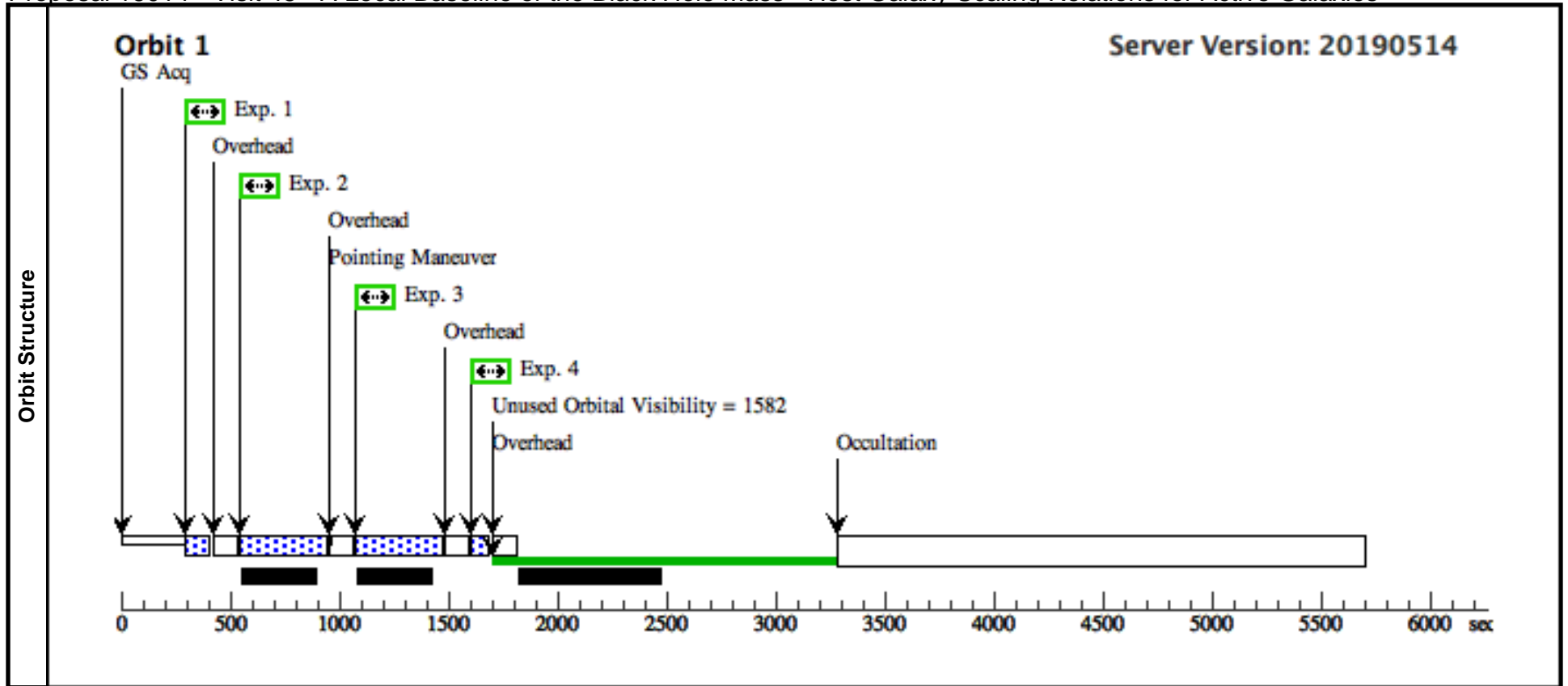
Visit	Proposal 16014, Visit 42, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(42)	L197	RA: 12 41 29.4197 (190.3725821d) Dec: +37 22 1.97 (37.36721d) Equinox: J2000		V=(?) 16.60079	Reference Frame: ICRS				
	<i>Comments: 80s</i> <i>Category=GALAXY</i> <i>Description=[SEYFERT]</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(42) L197	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=10	POS TARG -0.089,-1.203		80 Secs (80 Secs)	
									[==>]	[1]
	2		(42) L197	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=3	SAME POS AS 1		400 Secs (400 Secs)	
									[==>]	[1]
3		(42) L197	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=3	POS TARG 0.089,1.203		400 Secs (400 Secs)		
								[==>]	[1]	
4		(42) L197	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=10	SAME POS AS 3		80 Secs (80 Secs)		
								[==>]	[1]	



Proposal 16014 - Visit 45 - A Local Baseline of the Black Hole Mass - Host Galaxy Scaling Relations for Active Galaxies

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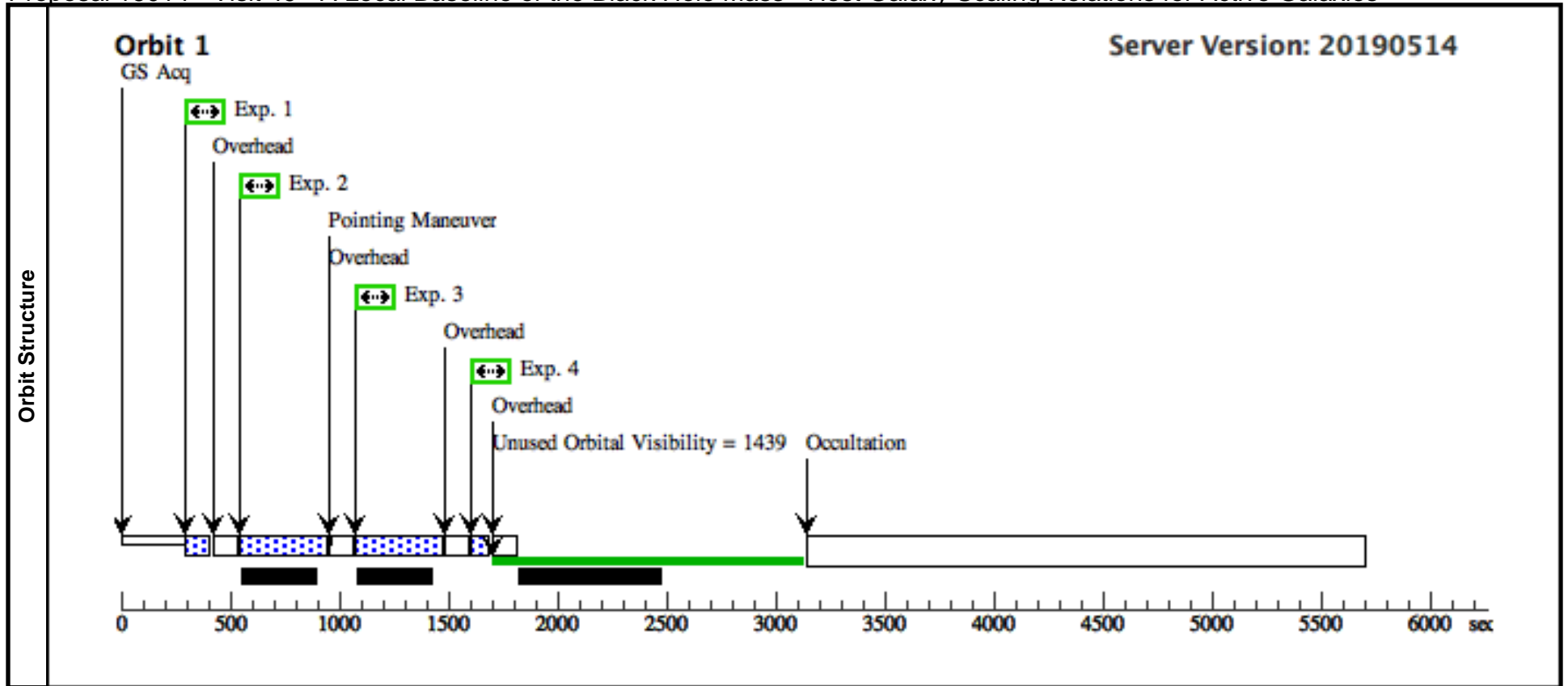
Visit	Proposal 16014, Visit 45, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(45)	L196	RA: 12 31 52.0581 (187.9669088d) Dec: +45 04 43.13 (45.07865d) Equinox: J2000		V=(?) 16.666182	Reference Frame: ICRS				
	<i>Comments: 80s</i> <i>Category=GALAXY</i> <i>Description=[SEYFERT]</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(45) L196	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=10	POS TARG -0.089,-1.203		80 Secs (80 Secs)	
									[==>]	[1]
	2		(45) L196	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=3	SAME POS AS 1		400 Secs (400 Secs)	
									[==>]	[1]
3		(45) L196	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=3	POS TARG 0.089,1.203		400 Secs (400 Secs)		
								[==>]	[1]	
4		(45) L196	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=10	SAME POS AS 3		80 Secs (80 Secs)		
								[==>]	[1]	



Proposal 16014 - Visit 49 - A Local Baseline of the Black Hole Mass - Host Galaxy Scaling Relations for Active Galaxies

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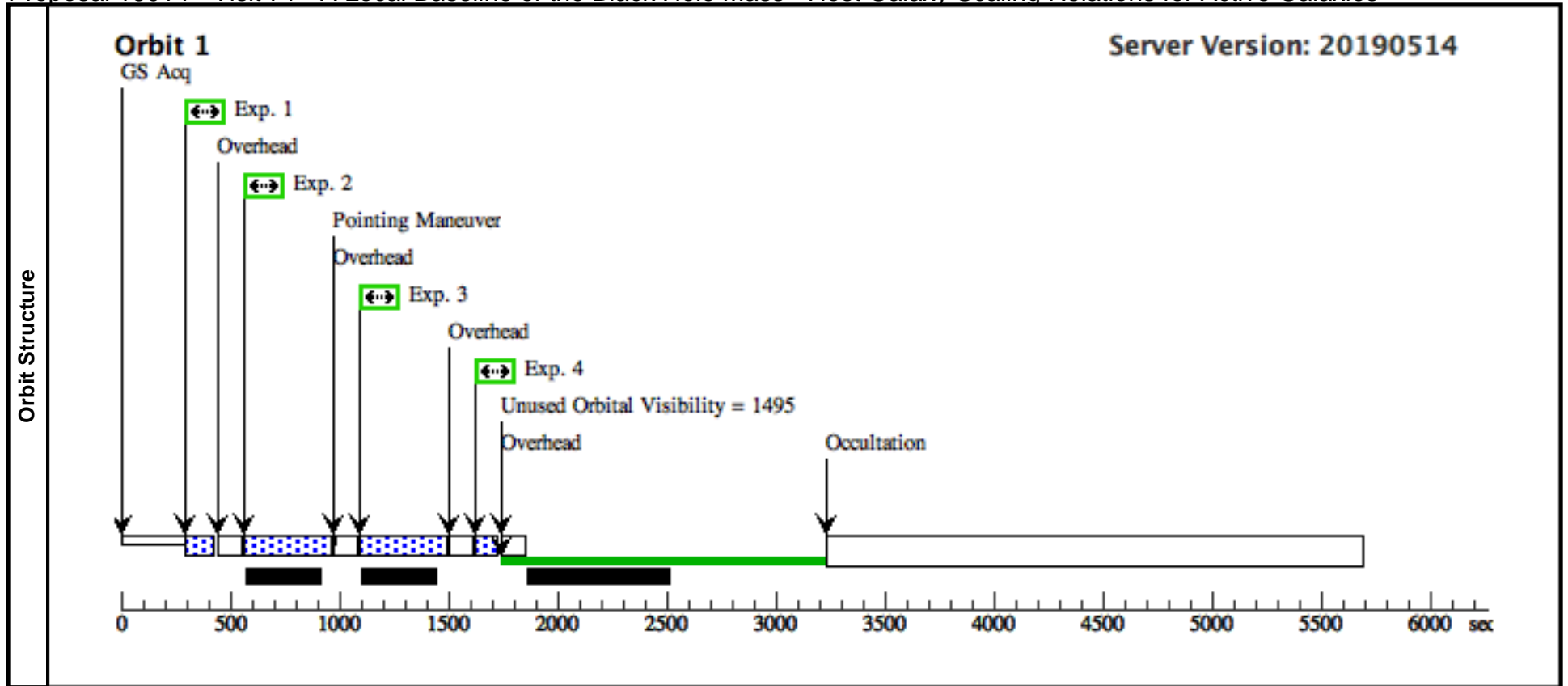
Visit	Proposal 16014, Visit 49, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(49)	L5	RA: 00 26 21.2931 (6.5887213d) Dec: +00 09 14.90 (.15414d) Equinox: J2000		V=(?) 16.706694	Reference Frame: ICRS				
	<i>Comments: 80s</i> <i>Category=GALAXY</i> <i>Description=[SEYFERT]</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(49) L5	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=10	POS TARG -0.089,-1.203		80 Secs (80 Secs)	
									[==>]	[1]
	2		(49) L5	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=3	SAME POS AS 1		400 Secs (400 Secs)	
									[==>]	[1]
3		(49) L5	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=3	POS TARG 0.089,1.203		400 Secs (400 Secs)		
								[==>]	[1]	
4		(49) L5	WFC3/UVIS, ACCUM, UVIS	F814W	F814W	FLASH=10	SAME POS AS 3		80 Secs (80 Secs)	
								[==>]	[1]	



Proposal 16014 - Visit 71 - A Local Baseline of the Black Hole Mass - Host Galaxy Scaling Relations for Active Galaxies

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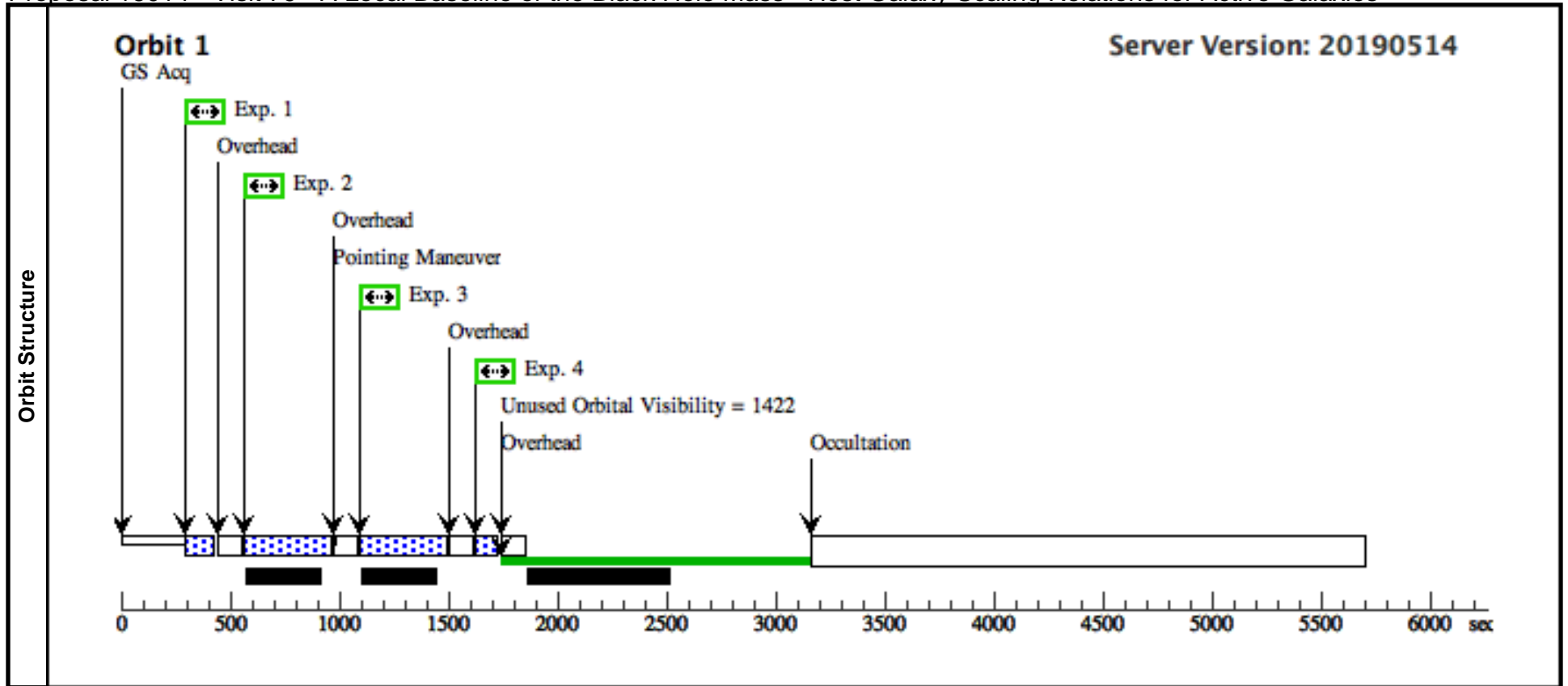
Visit	Proposal 16014, Visit 71 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
		(71)	L83	RA: 07 37 3.2847 (114.2636863d) Dec: +42 44 14.68 (42.73741d) Equinox: J2000		V=(?) 17.124336	Reference Frame: ICRS			
	<i>Comments: 100s</i> <i>Category=GALAXY</i> <i>Description=[SEYFERT]</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(71) L83	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=9	POS TARG -0.089,-1.203		100 Secs (100 Secs)	
									[==>]	[1]
	2		(71) L83	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=3	SAME POS AS 1		400 Secs (400 Secs)	
									[==>]	[1]
	3		(71) L83	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=3	POS TARG 0.089,1.203		400 Secs (400 Secs)	
								[==>]	[1]	
	4		(71) L83	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=9	SAME POS AS 3		100 Secs (100 Secs)	
								[==>]	[1]	



Proposal 16014 - Visit 79 - A Local Baseline of the Black Hole Mass - Host Galaxy Scaling Relations for Active Galaxies

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Visit	Proposal 16014, Visit 79, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(79)	L49	RA: 13 23 10.3928 (200.7933033d) Dec: +27 01 40.43 (27.02790d) Equinox: J2000		V=(?) 17.306486	Reference Frame: ICRS				
	<i>Comments: 100s</i> <i>Category=GALAXY</i> <i>Description=[SEYFERT]</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(79) L49	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=9	POS TARG -0.089,-1.203		100 Secs (100 Secs)	
									[==>]	[1]
	2		(79) L49	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=3	SAME POS AS 1		400 Secs (400 Secs)	
									[==>]	[1]
3		(79) L49	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=3	POS TARG 0.089,1.203		400 Secs (400 Secs)		
								[==>]	[1]	
4		(79) L49	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=9	SAME POS AS 3		100 Secs (100 Secs)		
								[==>]	[1]	



Proposal 16014 - Visit 84 - A Local Baseline of the Black Hole Mass - Host Galaxy Scaling Relations for Active Galaxies

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Visit	Proposal 16014, Visit 84, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
		(84)	L41	RA: 11 45 45.1951 (176.4383129d) Dec: +55 47 59.67 (55.79991d) Equinox: J2000		V=(?) 17.638708	Reference Frame: ICRS			
	<i>Comments: 100s</i> <i>Category=GALAXY</i> <i>Description=[SEYFERT]</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(84) L41		WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=9	POS TARG -0.089,-1.203		100 Secs (100 Secs)	
									[==>]	[1]
	2	(84) L41		WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=3	SAME POS AS 1		400 Secs (400 Secs)	
									[==>]	[1]
3	(84) L41		WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=3	POS TARG 0.089,1.203		400 Secs (400 Secs)		
								[==>]	[1]	
4	(84) L41		WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=9	SAME POS AS 3		100 Secs (100 Secs)		
								[==>]	[1]	

