



14109 - Host galaxy properties of $z > \sim 0.3$ broad-line AGN with direct black hole masses from reverberation mapping

Cycle: 23, Proposal Category: GO

(Availability Mode: SUPPORTED)

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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) RM775	WFC3/IR WFC3/UVIS	2	17-Jan-2017 21:00:40.0	yes
02	(2) RM272	WFC3/IR WFC3/UVIS	2	17-Jan-2017 21:00:43.0	yes
03	(3) RM320	WFC3/IR WFC3/UVIS	2	17-Jan-2017 21:00:46.0	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>
04	(4) RM377	WFC3/IR WFC3/UVIS	2	17-Jan-2017 21:00:51.0	yes
05	(5) RM101	WFC3/IR WFC3/UVIS	2	17-Jan-2017 21:00:54.0	yes
5A	(5) RM101	WFC3/IR WFC3/UVIS	2	17-Jan-2017 21:00:56.0	yes
06	(6) RM229	WFC3/IR WFC3/UVIS	2	17-Jan-2017 21:00:59.0	yes
6A	(6) RM229	WFC3/IR WFC3/UVIS	2	17-Jan-2017 21:01:02.0	yes
07	(7) RM767	WFC3/IR WFC3/UVIS	2	17-Jan-2017 21:01:05.0	yes
7A	(7) RM767	WFC3/IR WFC3/UVIS	2	17-Jan-2017 21:01:09.0	yes
08	(8) RM694	WFC3/IR WFC3/UVIS	2	17-Jan-2017 21:01:12.0	yes
09	(9) RM519	WFC3/IR WFC3/UVIS	2	17-Jan-2017 21:01:15.0	yes
10	(10) RM457	WFC3/IR WFC3/UVIS	2	17-Jan-2017 21:01:17.0	yes
11	(11) EGGR-26	WFC3/IR WFC3/UVIS	1	17-Jan-2017 21:01:19.0	yes

27 Total Orbits Used

ABSTRACT

We propose WFC3 IR and UVIS imaging for a unique sample of ten $z > \sim 0.3$ broad-line AGN with direct black hole (BH) mass measurements from reverberation mapping (RM), resulting from the ongoing Sloan Digital Sky Survey Reverberation Mapping (SDSS-RM) project. Our sample is the first sample of $z > \sim 0.3$ AGN with direct BH masses from RM rather than the less reliable BH mass estimates from single-epoch spectroscopy. The 2-

band HST imaging will be used to measure host galaxy properties such as the bulge luminosity and stellar mass in these AGN as well as to quantify the host-free AGN luminosity at rest-frame optical wavelengths, important for measuring the first broad-line region size-AGN luminosity relation at $z \gtrsim 0.3$. The measured host properties combined with the RM BH masses from SDSS-RM will be used to investigate the possible evolution of the correlations between BH mass and bulge properties and compared to earlier evolutionary studies based on single-epoch BH masses. The proposed HST imaging, combined with ground-based spectroscopy from the SDSS-RM project, will provide new perspectives on the co-evolution of BHs and host galaxies and the role of AGN feedback in galaxy formation models, and improve the utility of RM on measuring BH masses in broad-line AGN at $z > 0.3$.

OBSERVING DESCRIPTION

We will observe 10 science targets (1 visit per target). Each visit will have two orbits (one for WFC3-UVIS observation and one for WFC3-IR observation). The 10 science targets are grouped together within a window of 3 days, along with one visit/orbit for a PSF star (GRW+70D5824). For the PSF star observation, the UVIS and IR observations are combined in a single orbit. This strategy is to facilitate PSF reconstruction for our science targets by observing the PSF star quasi-simultaneously. The total number of orbits is therefore 21. Note that all our science targets have similar RA/DEC, and they have the same visibility window.

For the UVIS observations, we will use the 2k (2K2C) subarray with the F606W filter, and the three-point line dither pattern. At each dither position we will take 2 sub-exposures (CR-SPLIT=2), totaling 6 sub-exposures to fill the orbit. The only exception is target RM775 (SDSS $r=18.3$) for which we will use 3 sub-exposures at each dither position: one 60s exposure and two 242s exposures to avoid saturation. No post-flash is applied to the 60s exposures, but that should be OK given that the target is bright.

For the IR observations, we will use the 512 (SUB512) subarray with the F110W filter, and the four-point box dither pattern. Two exposures are used: a STEP25 (NSAMPLE=11) sequence with 4 sub-exposures at each dither position (16 sub-exposures in total), and a SPARS5 (NSAMPLE=7) sequence with 1 sub-exposure at each dither position (4 sub-exposures in total). The two exposures will fill the IR orbit.

The PSF star observations use the same WFC3 configurations and dither patterns as for our science targets, but with different exposure times to avoid saturation. Post-flash is set to FLASH=12 for these relatively short UVIS exposures.

----- Realtime Justification -----

Special Scheduling Requirements

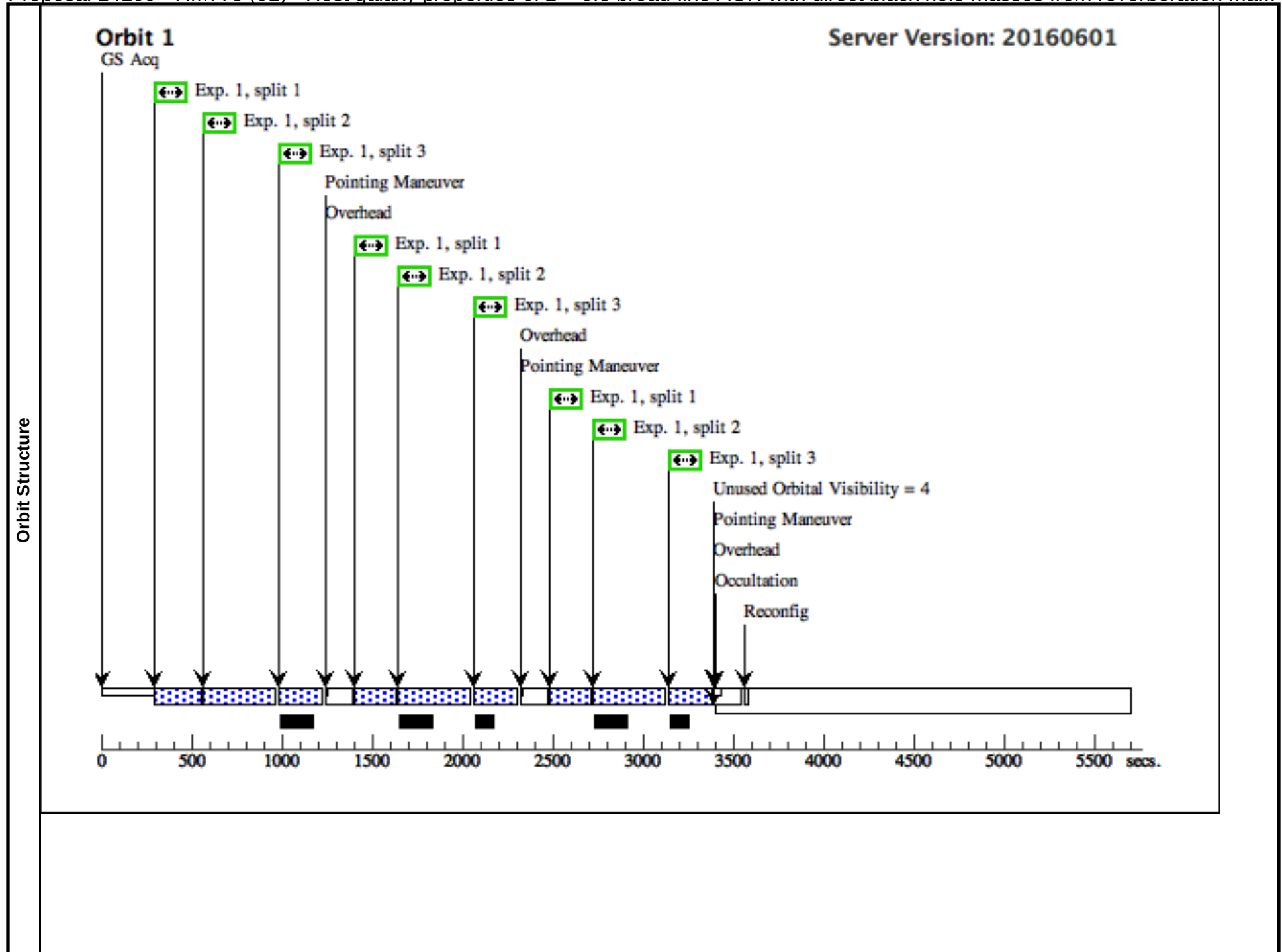
We request our grouped targets (including the PSF star) be observed within a 3-day window. This is to ensure a stable PSF over this short period. Delayed scheduling due to this restriction is OK.

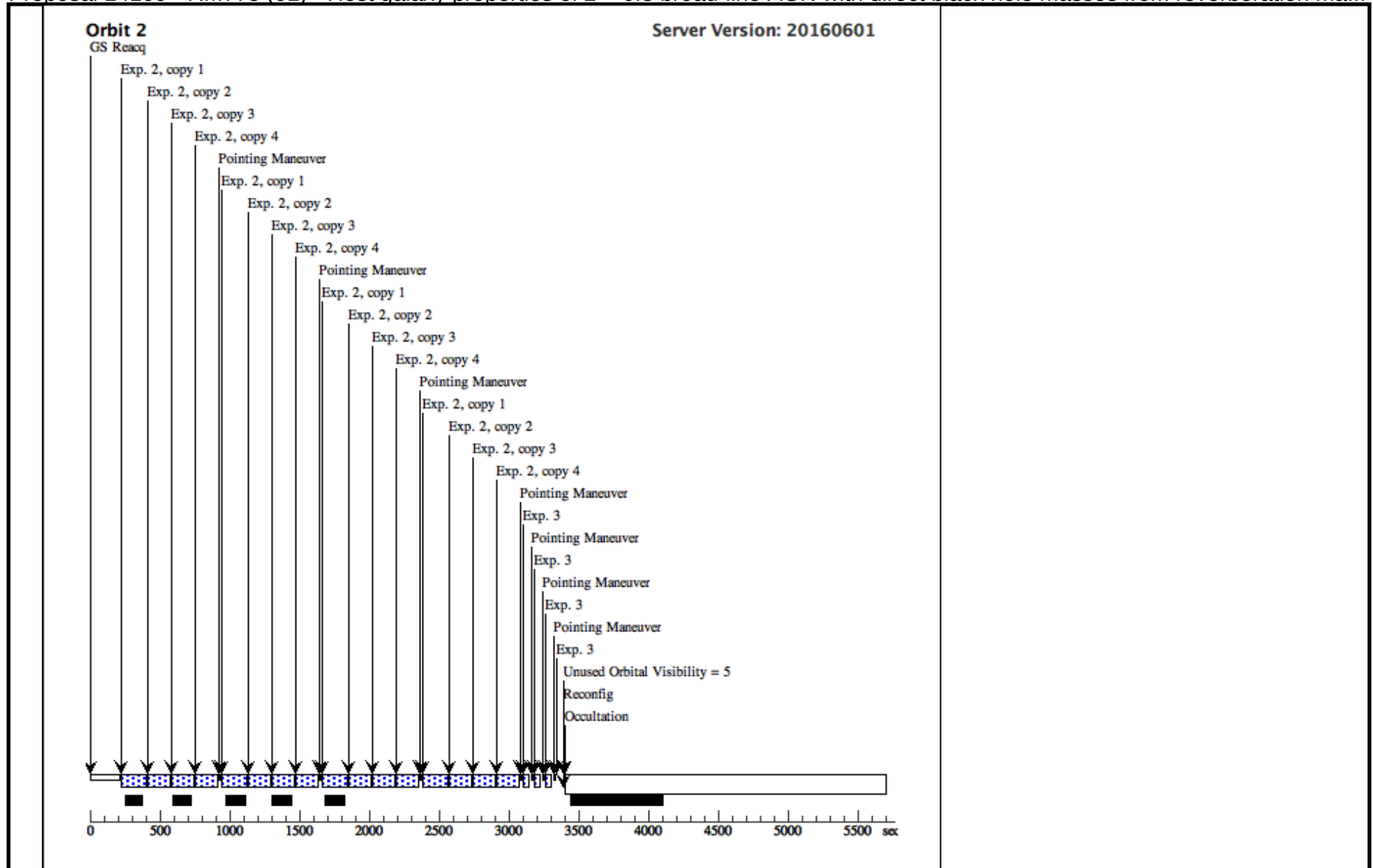
Proposal 14109 - RM775 (01) - Host galaxy properties of $z \sim 0.3$ broad-line AGN with direct black hole masses from reverberation ma...

Visit	Proposal 14109, RM775 (01), completed Wed Jan 18 02:01:20 GMT 2017				
	Diagnostic Status: Warning Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: GROUP 01,02,03,04,05,06,07,08,09,10,11 WITHIN 14D				
Diagnostics	(UVIS-F606W (01.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(2), (3)
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(1)	RM775	RA: 14 07 59.0700 (211.9961250d) Dec: +53 47 59.80 (53.79994d) Equinox: J2000		V=(?) r=18.3
					Miscellaneous
					Reference Frame: ICRS

Proposal 14109 - RM775 (01) - Host galaxy properties of $z \sim 0.3$ broad-line AGN with direct black hole masses from reverberation ma...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	UVIS-F606 W	(1) RM775	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F606W	CR-SPLIT=3	GS ACQ SCENARI O BASE1B3	Pattern 2, Exps 1-1 i n RM775 (01) (2)	900 Secs (1632 Secs)	
									[==>60.0 Secs (Pattern 1, Split 1)] [==>242 Secs (Pattern 1, Split 2)] [==>242 Secs (Pattern 1, Split 3)] [==>60.0 Secs (Pattern 2, Split 1)] [==>242 Secs (Pattern 2, Split 2)] [==>242 Secs (Pattern 2, Split 3)] [==>60.0 Secs (Pattern 3, Split 1)] [==>242 Secs (Pattern 3, Split 2)] [==>242 Secs (Pattern 3, Split 3)]	[1]
	2	IR-F110W	(1) RM775	WFC3/IR, MULTIACCUM, IRSUB512	F110W	NSAMP=11; SAMP-SEQ=STEP2 5		Pattern 1, Exps 2-2 i n RM775 (01) (1)	151.360897 Secs X 4 (2421.774 Secs)	
									[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 1, Copy 4)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)] [==>(Pattern 2, Copy 4)] [==>(Pattern 3, Copy 1)] [==>(Pattern 3, Copy 2)] [==>(Pattern 3, Copy 3)] [==>(Pattern 3, Copy 4)] [==>(Pattern 4, Copy 1)] [==>(Pattern 4, Copy 2)] [==>(Pattern 4, Copy 3)] [==>(Pattern 4, Copy 4)]	[2]
	3	IR-F110W	(1) RM775	WFC3/IR, MULTIACCUM, IRSUB512	F110W	NSAMP=7; SAMP-SEQ=SPAR S5		Pattern 1, Exps 3-3 i n RM775 (01) (1)	18.382069 Secs (73.528 Secs)	
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]



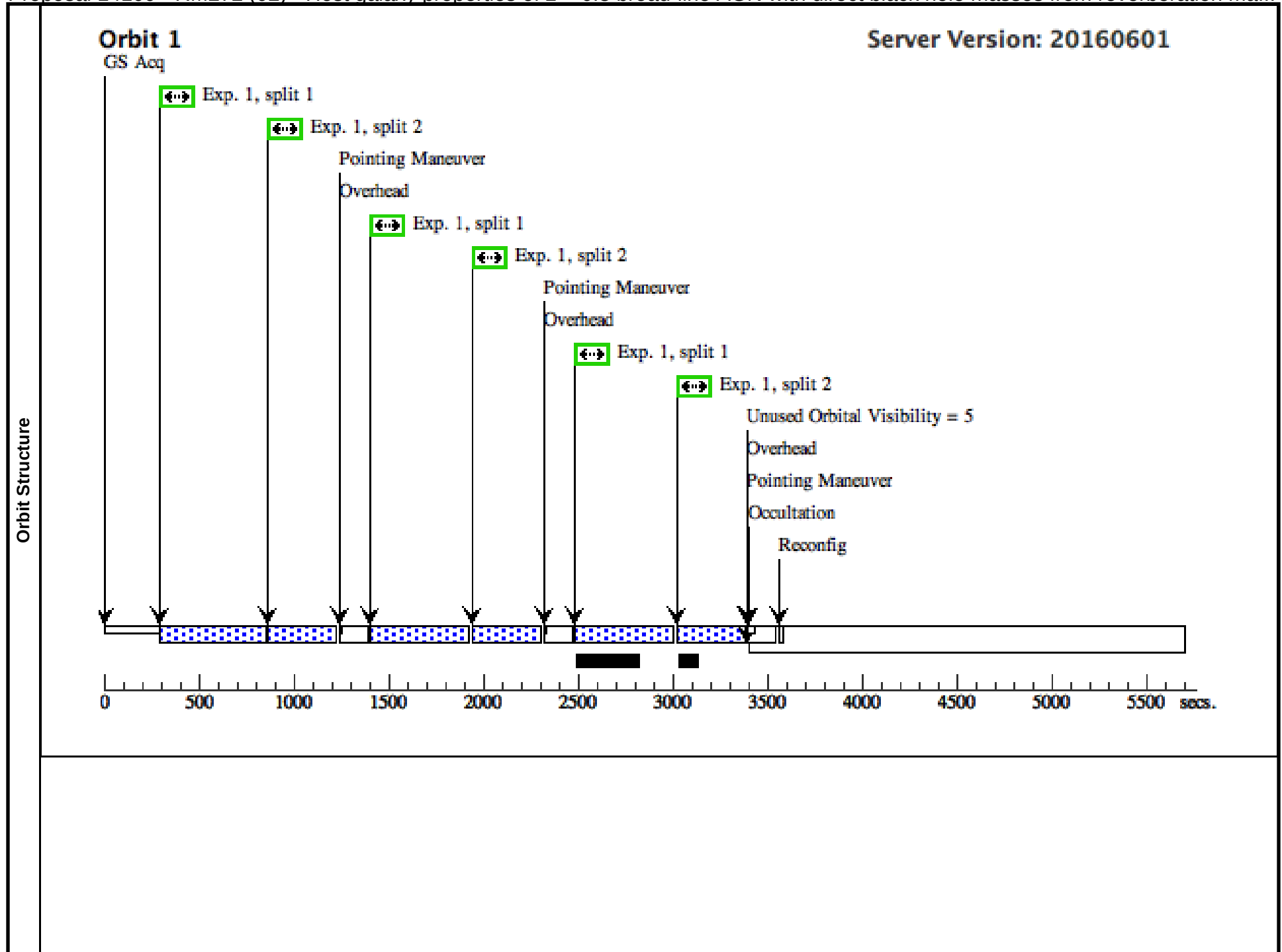


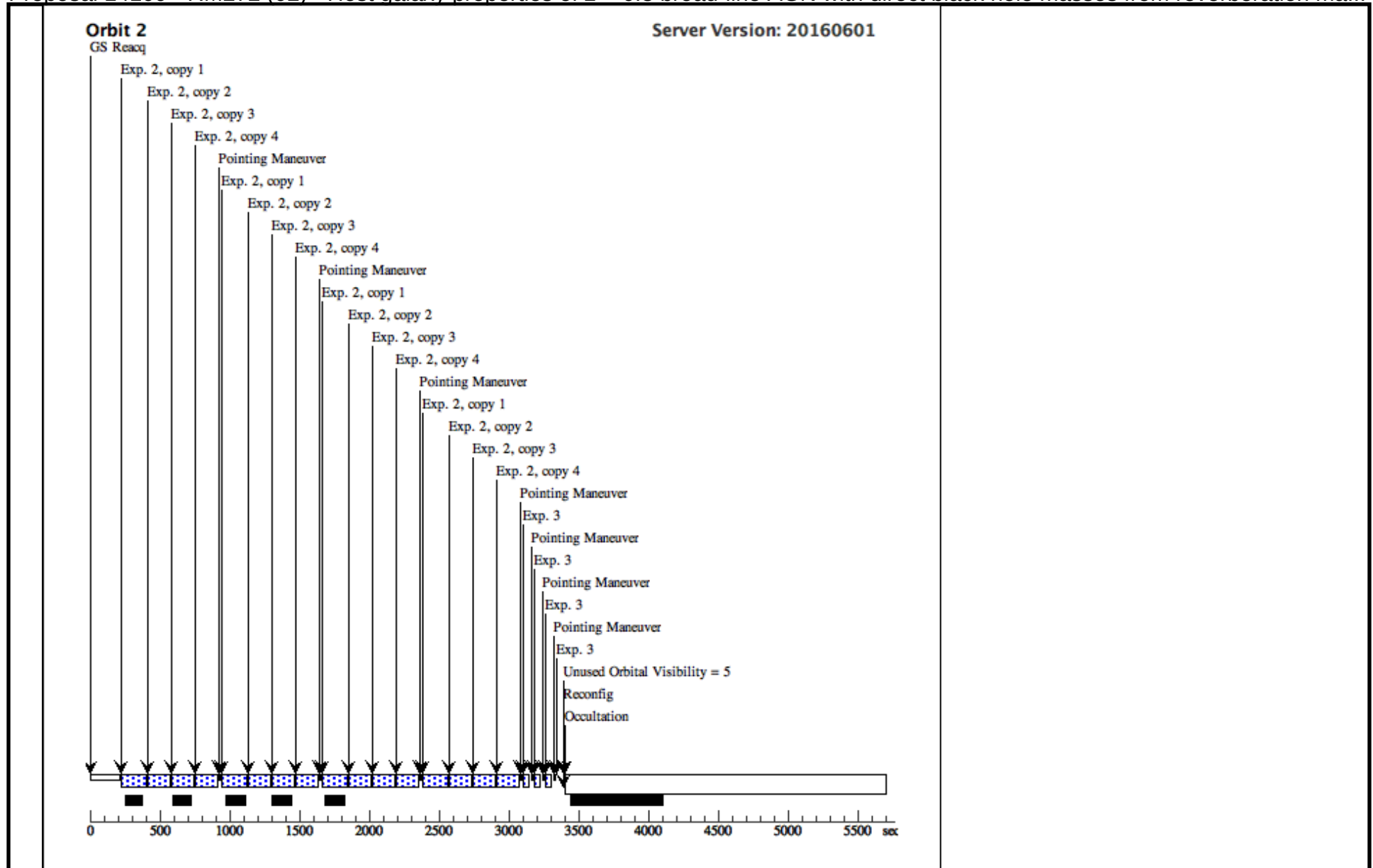
Proposal 14109 - RM272 (02) - Host galaxy properties of $z \sim 0.3$ broad-line AGN with direct black hole masses from reverberation ma...

Visit	Proposal 14109, RM272 (02), completed Wed Jan 18 02:01:21 GMT 2017				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(2), (3)
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(2)	RM272	RA: 14 16 25.7100 (214.1071250d) Dec: +53 54 38.50 (53.91069d) Equinox: J2000		V=(?) r=18.9
		Miscellaneous			
		Reference Frame: ICRS			

Proposal 14109 - RM272 (02) - Host galaxy properties of $z \sim 0.3$ broad-line AGN with direct black hole masses from reverberation ma...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	UVIS-F606W	(2) RM272	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F606W	CR-SPLIT=2	GS ACQ SCENARIO BASE1B3	Pattern 2, Exps 1-1 in RM272 (02) (2)	900 Secs (2172 Secs)	
									[==>362.0 Secs (Pattern 1, Split 1)] [==>362.0 Secs (Pattern 1, Split 2)] [==>362.0 Secs (Pattern 2, Split 1)] [==>362.0 Secs (Pattern 2, Split 2)] [==>362.0 Secs (Pattern 3, Split 1)] [==>362.0 Secs (Pattern 3, Split 2)]	[1]
	2	IR-F110W	(2) RM272	WFC3/IR, MULTIACCUM, IRSUB512	F110W	NSAMP=11; SAMP-SEQ=STEP25		Pattern 1, Exps 2-2 in RM272 (02) (1)	151.360897 Secs X 4 (2421.774 Secs)	
									[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 1, Copy 4)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)] [==>(Pattern 2, Copy 4)] [==>(Pattern 3, Copy 1)] [==>(Pattern 3, Copy 2)] [==>(Pattern 3, Copy 3)] [==>(Pattern 3, Copy 4)] [==>(Pattern 4, Copy 1)] [==>(Pattern 4, Copy 2)] [==>(Pattern 4, Copy 3)] [==>(Pattern 4, Copy 4)]	[2]
	3	IR-F110W	(2) RM272	WFC3/IR, MULTIACCUM, IRSUB512	F110W	NSAMP=7; SAMP-SEQ=SPARS5		Pattern 1, Exps 3-3 in RM272 (02) (1)	18.382069 Secs (73.528 Secs)	
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]



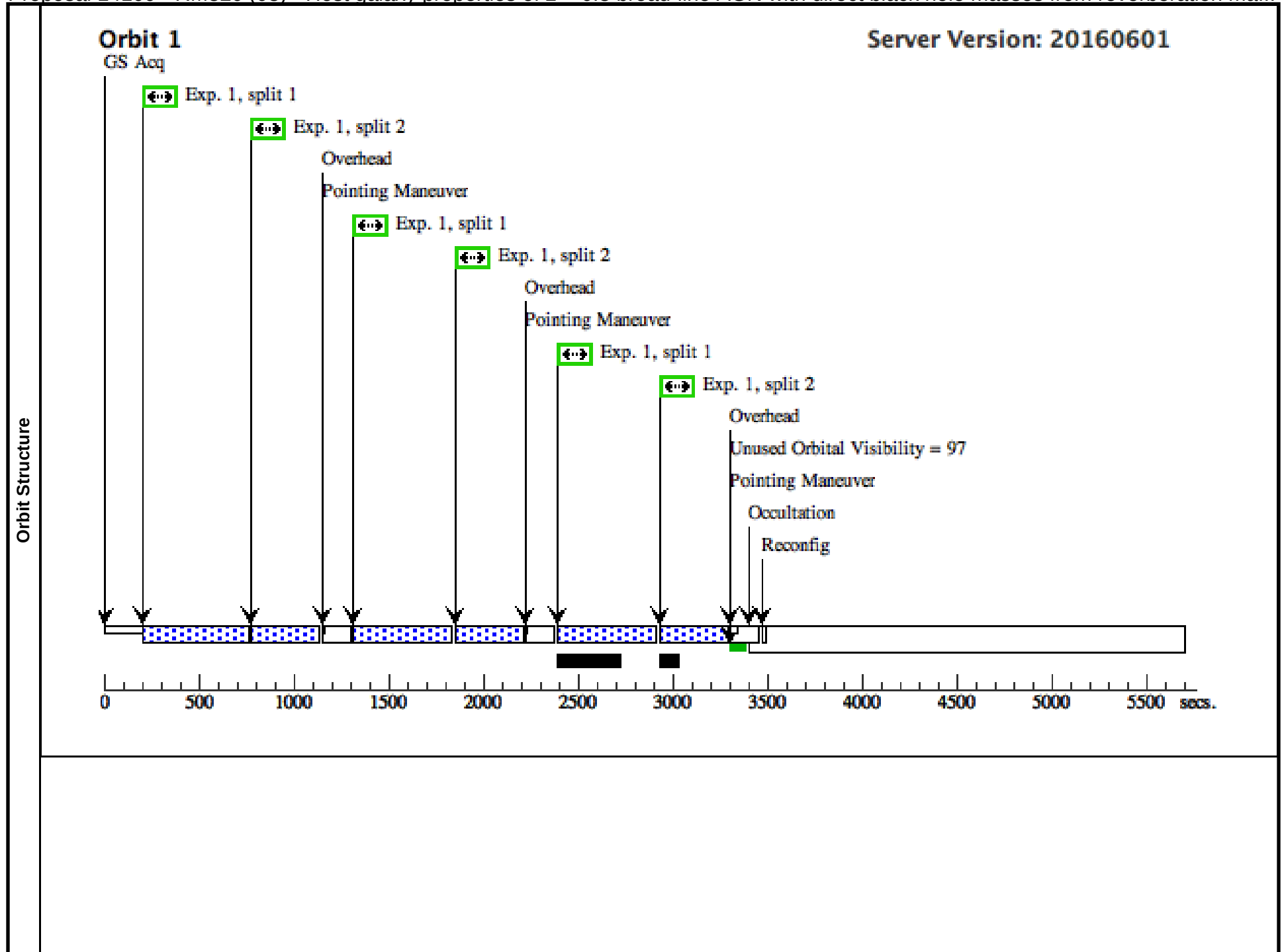


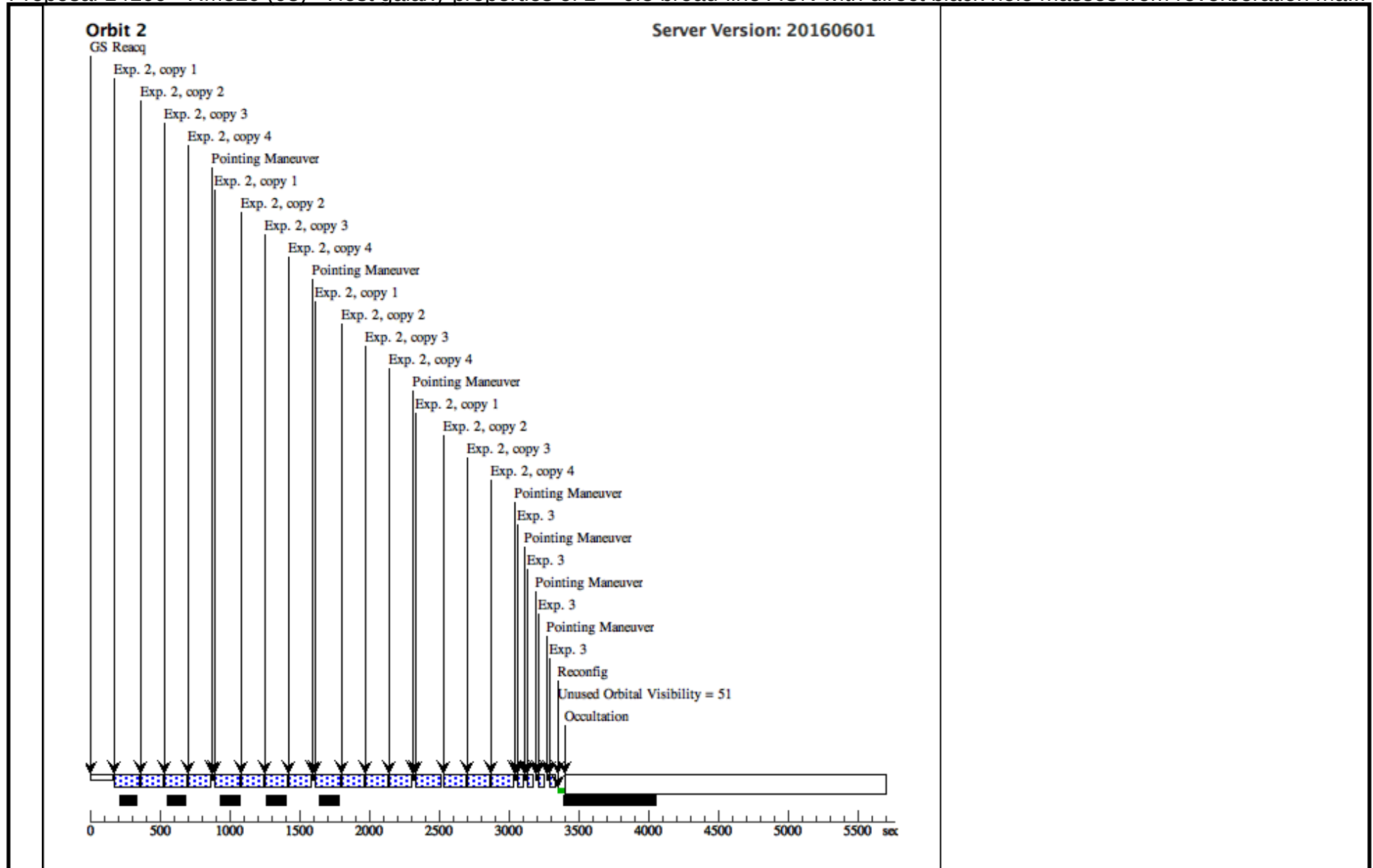
Proposal 14109 - RM320 (03) - Host galaxy properties of $z \sim 0.3$ broad-line AGN with direct black hole masses from reverberation ma...

Visit	Proposal 14109, RM320 (03), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)					Wed Jan 18 02:01:21 GMT 2017
Patterns	#	Primary Pattern		Secondary Pattern		Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false			(2), (3)
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false			(1)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(3)	RM320	RA: 14 20 38.5200 (215.1605000d) Dec: +53 24 16.50 (53.40458d) Equinox: J2000		V=(?) r=19.6	Reference Frame: ICRS

Proposal 14109 - RM320 (03) - Host galaxy properties of $z \sim 0.3$ broad-line AGN with direct black hole masses from reverberation ma...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	UVIS-F606W	(3) RM320	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F606W	CR-SPLIT=2	GS ACQ SCENARIO SINGLE	Pattern 2, Exps 1-1 in RM320 (03) (2)	900 Secs (2172 Secs)	
									[==>362.0 Secs (Pattern 1, Split 1)] [==>362.0 Secs (Pattern 1, Split 2)] [==>362.0 Secs (Pattern 2, Split 1)] [==>362.0 Secs (Pattern 2, Split 2)] [==>362.0 Secs (Pattern 3, Split 1)] [==>362.0 Secs (Pattern 3, Split 2)]	[1]
	2	IR-F110W	(3) RM320	WFC3/IR, MULTIACCUM, IRSUB512	F110W	NSAMP=11; SAMP-SEQ=STEP25		Pattern 1, Exps 2-2 in RM320 (03) (1)	151.360897 Secs X 4 (2421.774 Secs)	
									[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 1, Copy 4)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)] [==>(Pattern 2, Copy 4)] [==>(Pattern 3, Copy 1)] [==>(Pattern 3, Copy 2)] [==>(Pattern 3, Copy 3)] [==>(Pattern 3, Copy 4)] [==>(Pattern 4, Copy 1)] [==>(Pattern 4, Copy 2)] [==>(Pattern 4, Copy 3)] [==>(Pattern 4, Copy 4)]	[2]
	3	IR-F110W	(3) RM320	WFC3/IR, MULTIACCUM, IRSUB512	F110W	NSAMP=7; SAMP-SEQ=SPARS5		Pattern 1, Exps 3-3 in RM320 (03) (1)	18.382069 Secs (73.528 Secs)	
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]



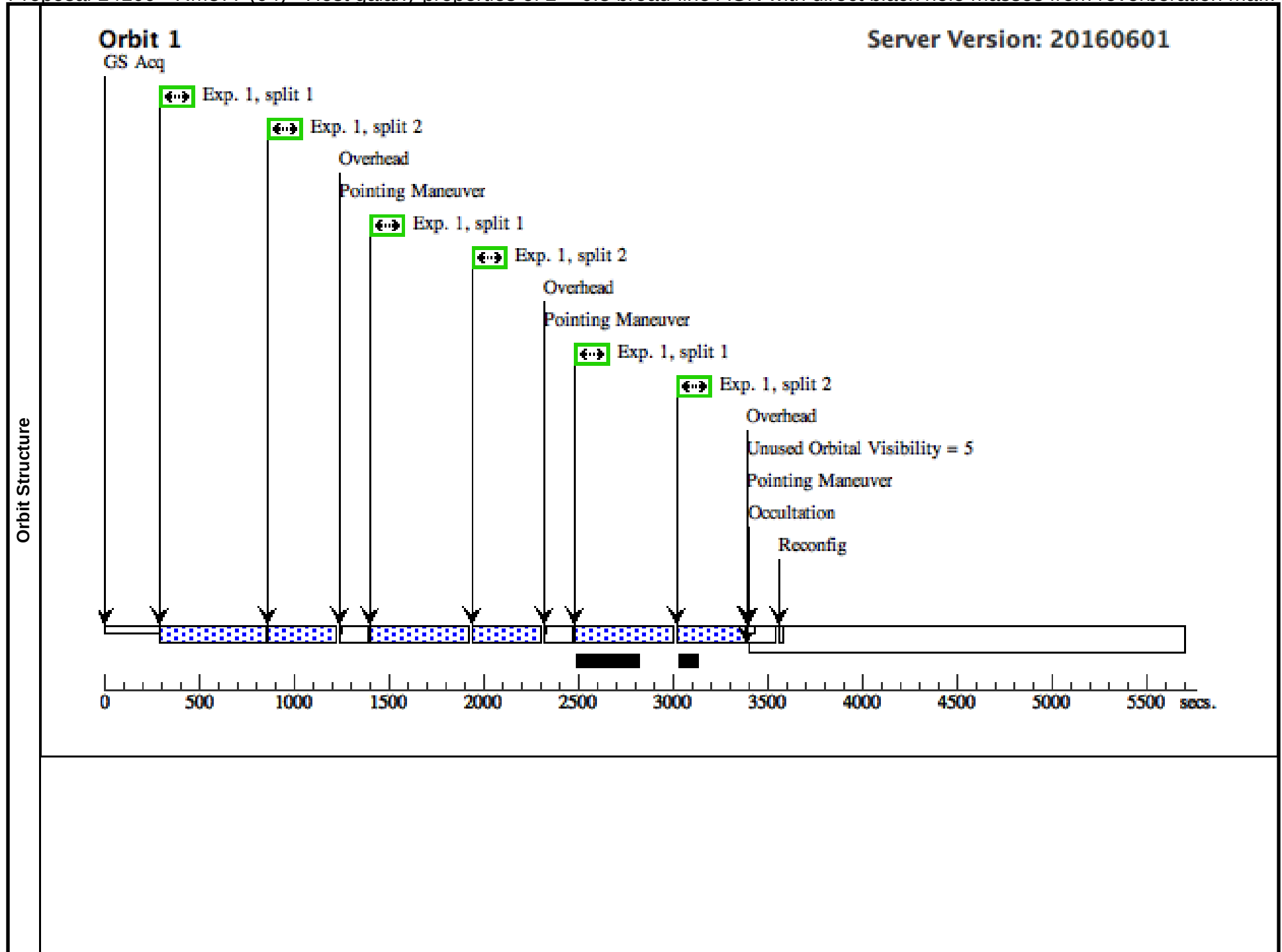


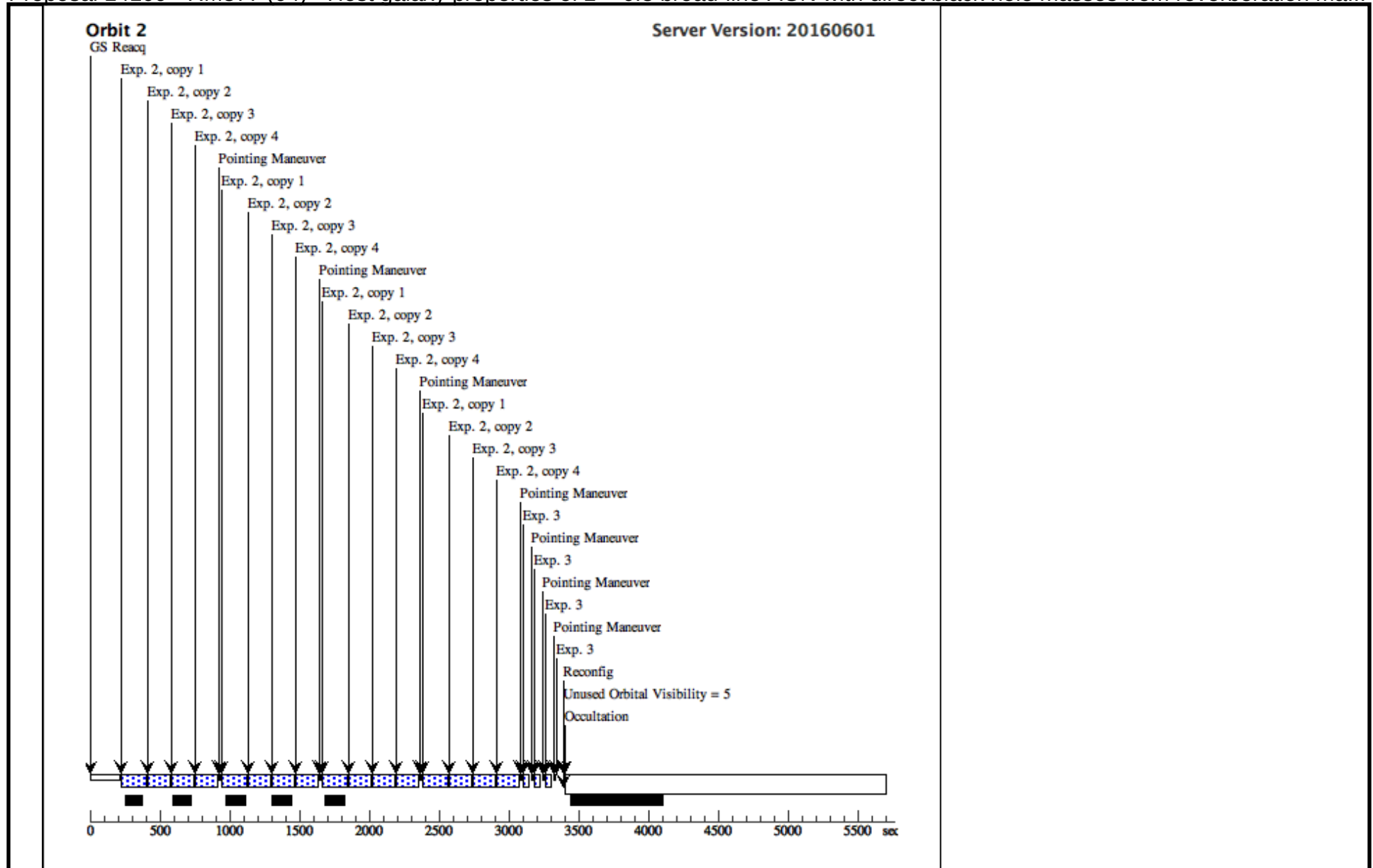
Proposal 14109 - RM377 (04) - Host galaxy properties of $z \sim 0.3$ broad-line AGN with direct black hole masses from reverberation ma...

Visit	Proposal 14109, RM377 (04), completed Wed Jan 18 02:01:21 GMT 2017				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(2), (3)
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(4)	RM377	RA: 14 20 43.5300 (215.1813750d) Dec: +52 36 11.40 (52.60317d) Equinox: J2000		V=(?) r=20.1
					Miscellaneous
					Reference Frame: ICRS

Proposal 14109 - RM377 (04) - Host galaxy properties of $z \sim 0.3$ broad-line AGN with direct black hole masses from reverberation ma...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	UVIS-F606W	(4) RM377	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F606W	CR-SPLIT=2	GS ACQ SCENARIO BASE1B3	Pattern 2, Exps 1-1 in RM377 (04) (2)	900 Secs (2172 Secs)	
									[==>362.0 Secs (Pattern 1, Split 1)] [==>362.0 Secs (Pattern 1, Split 2)] [==>362.0 Secs (Pattern 2, Split 1)] [==>362.0 Secs (Pattern 2, Split 2)] [==>362.0 Secs (Pattern 3, Split 1)] [==>362.0 Secs (Pattern 3, Split 2)]	[1]
	2	IR-F110W	(4) RM377	WFC3/IR, MULTIACCUM, IRSUB512	F110W	NSAMP=11; SAMP-SEQ=STEP25		Pattern 1, Exps 2-2 in RM377 (04) (1)	151.360897 Secs X 4 (2421.774 Secs)	
									[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 1, Copy 4)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)] [==>(Pattern 2, Copy 4)] [==>(Pattern 3, Copy 1)] [==>(Pattern 3, Copy 2)] [==>(Pattern 3, Copy 3)] [==>(Pattern 3, Copy 4)] [==>(Pattern 4, Copy 1)] [==>(Pattern 4, Copy 2)] [==>(Pattern 4, Copy 3)] [==>(Pattern 4, Copy 4)]	[2]
	3	IR-F110W	(4) RM377	WFC3/IR, MULTIACCUM, IRSUB512	F110W	NSAMP=7; SAMP-SEQ=SPARS5		Pattern 1, Exps 3-3 in RM377 (04) (1)	18.382069 Secs (73.528 Secs)	
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]



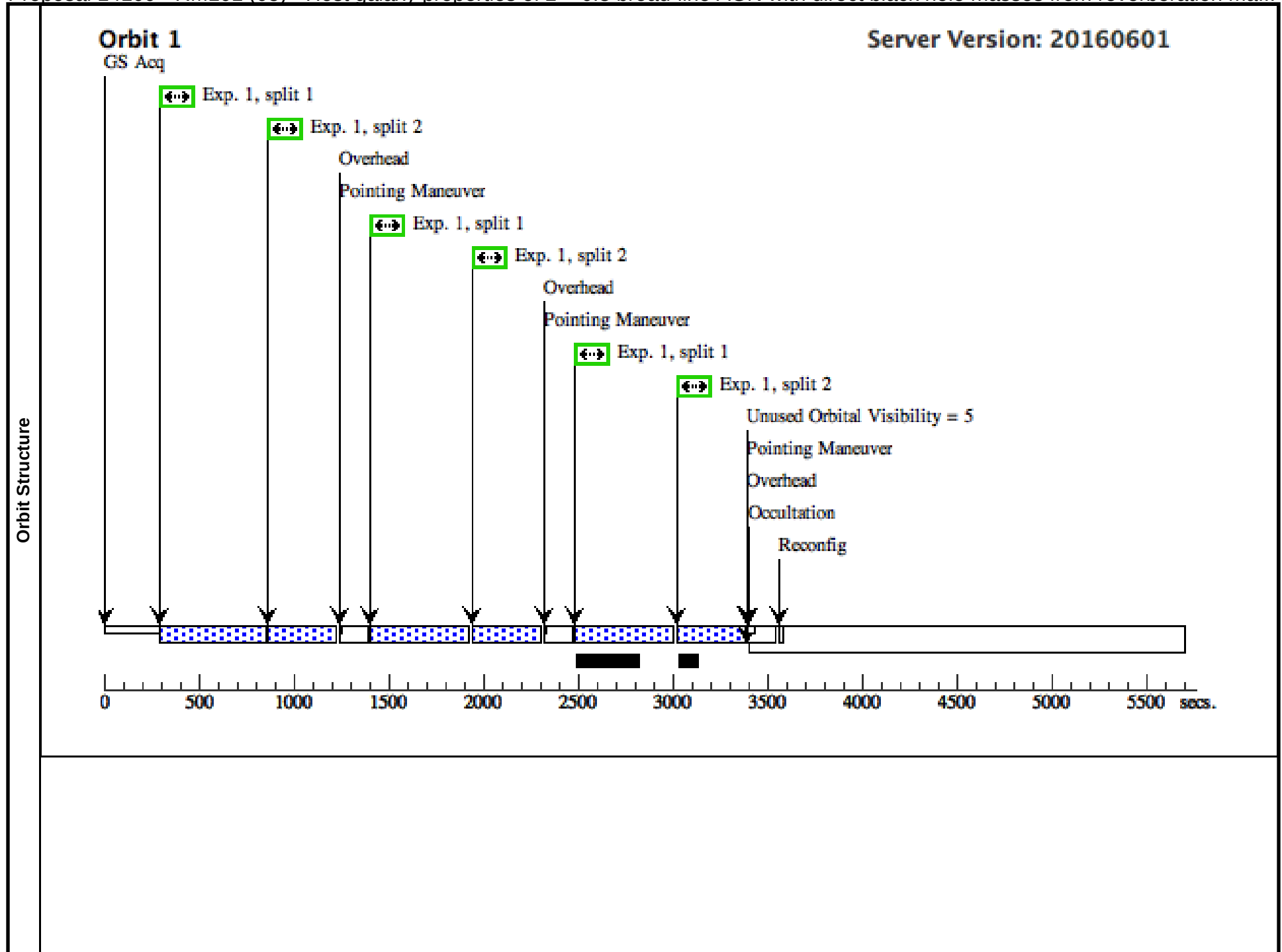


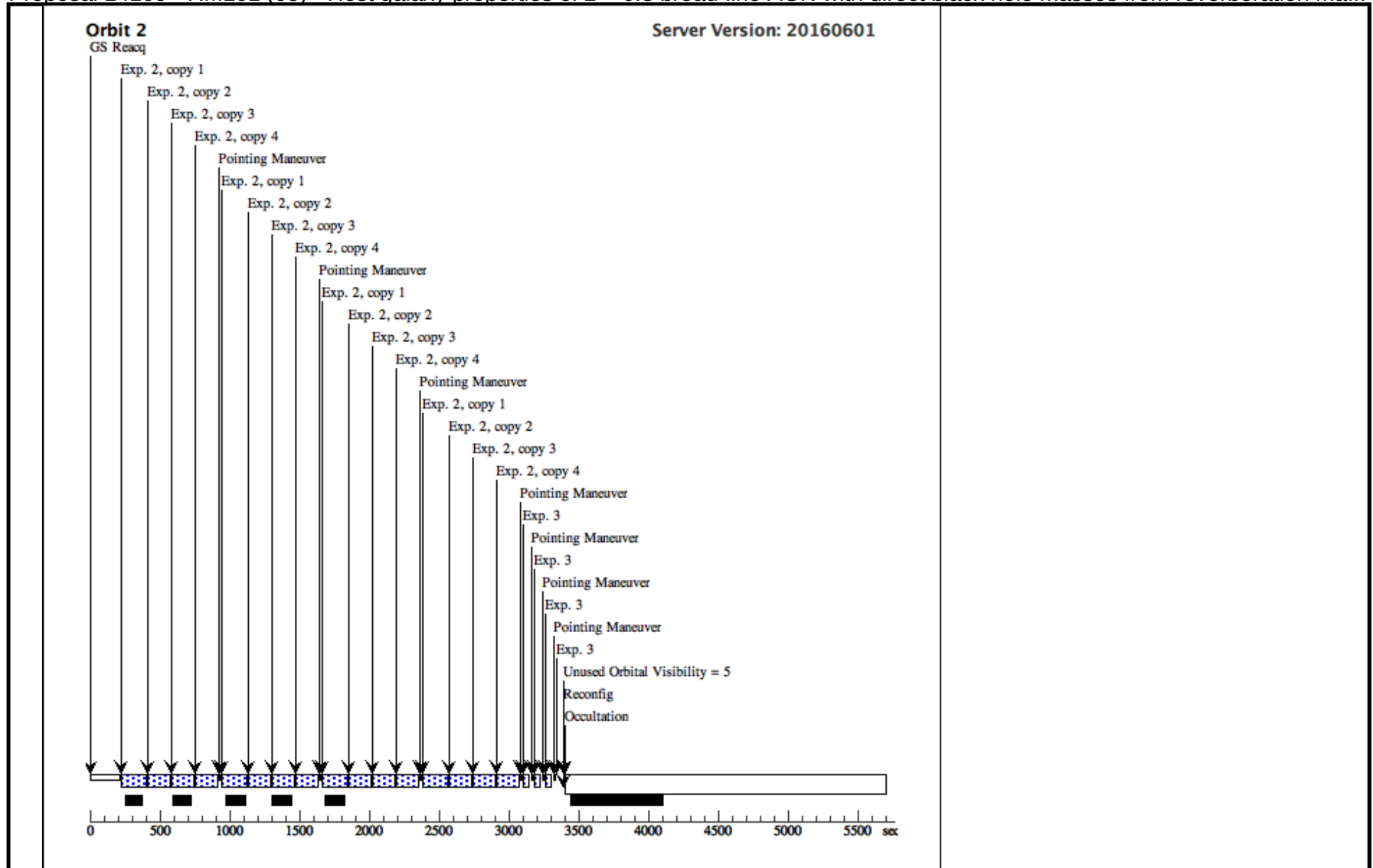
Proposal 14109 - RM101 (05) - Host galaxy properties of $z \sim 0.3$ broad-line AGN with direct black hole masses from reverberation ma...

Visit	Proposal 14109, RM101 (05), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)					Wed Jan 18 02:01:21 GMT 2017
Patterns	#	Primary Pattern		Secondary Pattern		Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false			(2), (3)
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false			(1)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(5)	RM101	RA: 14 12 14.2000 (213.0591667d) Dec: +53 25 46.70 (53.42964d) Equinox: J2000		V=(?) r=19.0	Reference Frame: ICRS

Proposal 14109 - RM101 (05) - Host galaxy properties of $z \sim 0.3$ broad-line AGN with direct black hole masses from reverberation ma...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	UVIS-F606W	(5) RM101	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F606W	CR-SPLIT=2	GS ACQ SCENARIO BASE1B3	Pattern 2, Exps 1-1 in RM101 (05) (2)	900 Secs (2172 Secs)	
									[==>362.0 Secs (Pattern 1, Split 1)] [==>362.0 Secs (Pattern 1, Split 2)] [==>362.0 Secs (Pattern 2, Split 1)] [==>362.0 Secs (Pattern 2, Split 2)] [==>362.0 Secs (Pattern 3, Split 1)] [==>362.0 Secs (Pattern 3, Split 2)]	[1]
	2	IR-F110W	(5) RM101	WFC3/IR, MULTIACCUM, IRSUB512	F110W	NSAMP=11; SAMP-SEQ=STEP25		Pattern 1, Exps 2-2 in RM101 (05) (1)	151.360897 Secs X 4 (2421.774 Secs)	
									[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 1, Copy 4)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)] [==>(Pattern 2, Copy 4)] [==>(Pattern 3, Copy 1)] [==>(Pattern 3, Copy 2)] [==>(Pattern 3, Copy 3)] [==>(Pattern 3, Copy 4)] [==>(Pattern 4, Copy 1)] [==>(Pattern 4, Copy 2)] [==>(Pattern 4, Copy 3)] [==>(Pattern 4, Copy 4)]	[2]
	3	IR-F110W	(5) RM101	WFC3/IR, MULTIACCUM, IRSUB512	F110W	NSAMP=7; SAMP-SEQ=SPARS5		Pattern 1, Exps 3-3 in RM101 (05) (1)	18.382069 Secs (73.528 Secs)	
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]



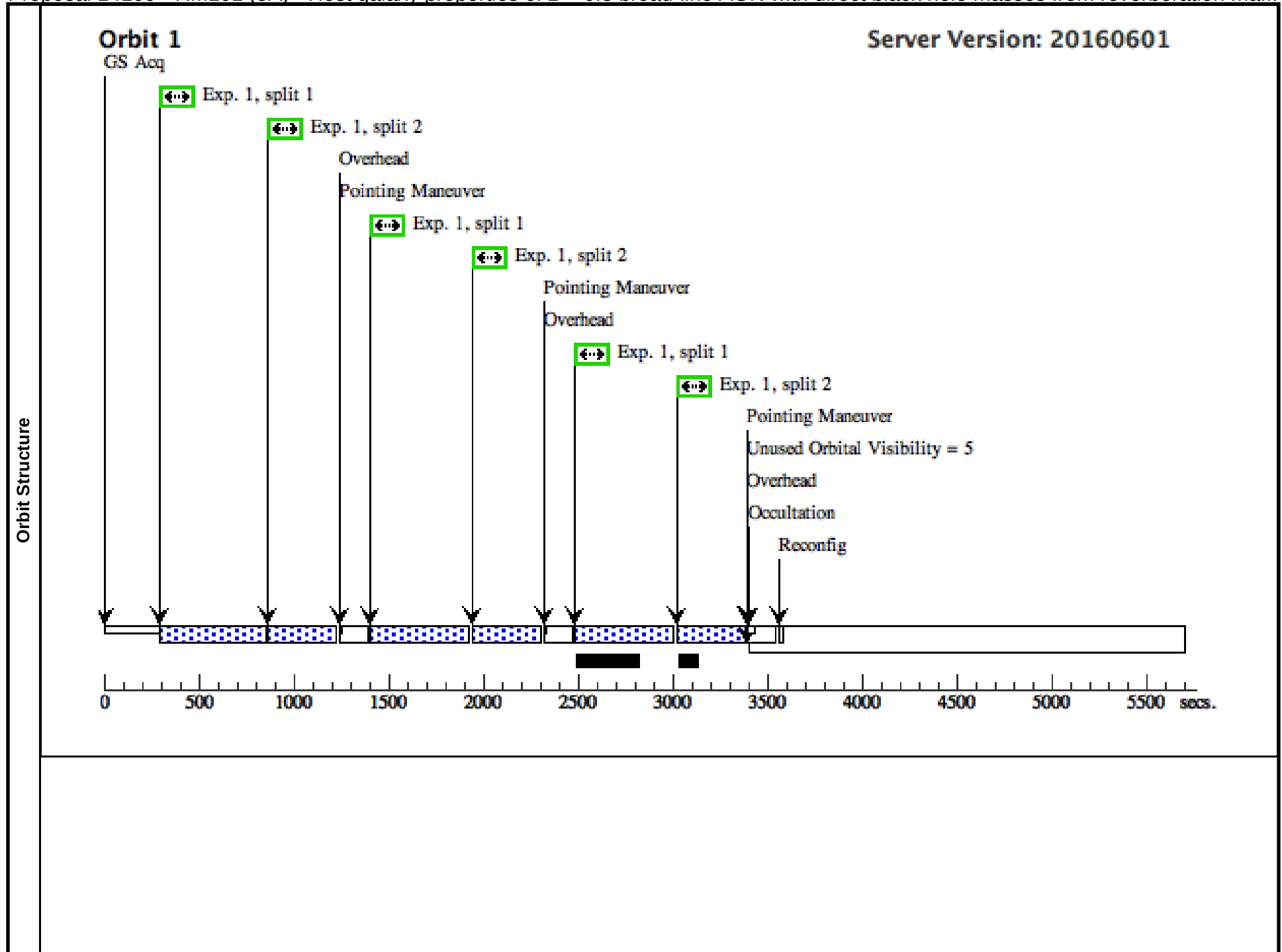


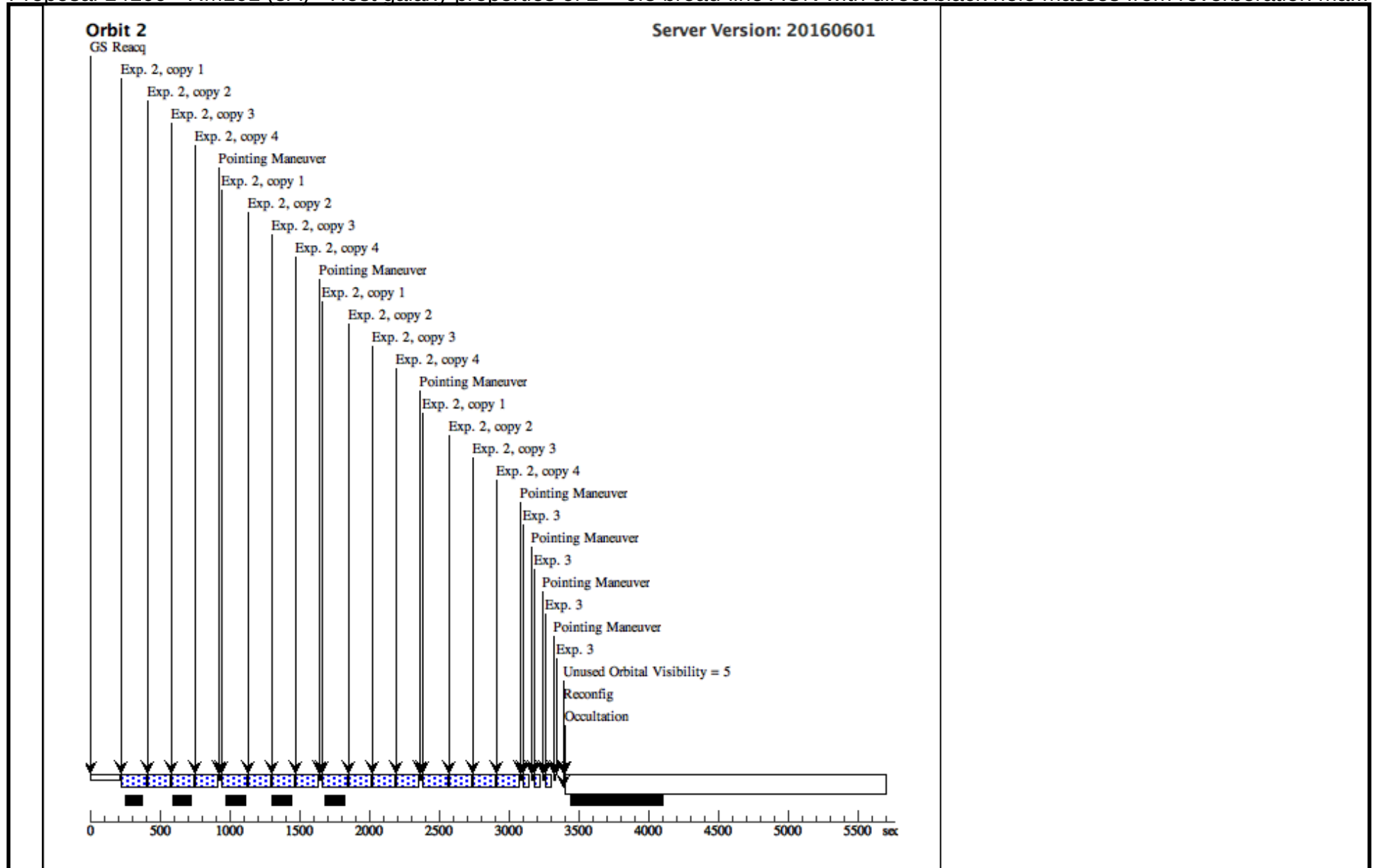
Proposal 14109 - RM101 (5A) - Host galaxy properties of $z \gtrsim 0.3$ broad-line AGN with direct black hole masses from reverberation ma...

Visit	Proposal 14109, RM101 (5A) Wed Jan 18 02:01:21 GMT 2017				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none) Comments: Copy of failed visit 05				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(2), (3)
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(5)	RM101	RA: 14 12 14.2000 (213.0591667d) Dec: +53 25 46.70 (53.42964d) Equinox: J2000		V=(?) r=19.0
		Miscellaneous			
		Reference Frame: ICRS			

Proposal 14109 - RM101 (5A) - Host galaxy properties of $z \gtrsim 0.3$ broad-line AGN with direct black hole masses from reverberation ma...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	UVIS-F606W	(5) RM101	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F606W	CR-SPLIT=2	GS ACQ SCENARIO BASE1B3	Pattern 2, Exps 1-1 in RM101 (5A) (2)	900 Secs (2172 Secs)	
									[==>362.0 Secs (Pattern 1, Split 1)] [==>362.0 Secs (Pattern 1, Split 2)] [==>362.0 Secs (Pattern 2, Split 1)] [==>362.0 Secs (Pattern 2, Split 2)] [==>362.0 Secs (Pattern 3, Split 1)] [==>362.0 Secs (Pattern 3, Split 2)]	[1]
	2	IR-F110W	(5) RM101	WFC3/IR, MULTIACCUM, IRSUB512	F110W	NSAMP=11; SAMP-SEQ=STEP25		Pattern 1, Exps 2-2 in RM101 (5A) (1)	151.360897 Secs X 4 (2421.774 Secs)	
									[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 1, Copy 4)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)] [==>(Pattern 2, Copy 4)] [==>(Pattern 3, Copy 1)] [==>(Pattern 3, Copy 2)] [==>(Pattern 3, Copy 3)] [==>(Pattern 3, Copy 4)] [==>(Pattern 4, Copy 1)] [==>(Pattern 4, Copy 2)] [==>(Pattern 4, Copy 3)] [==>(Pattern 4, Copy 4)]	[2]
	3	IR-F110W	(5) RM101	WFC3/IR, MULTIACCUM, IRSUB512	F110W	NSAMP=7; SAMP-SEQ=SPARS5		Pattern 1, Exps 3-3 in RM101 (5A) (1)	18.382069 Secs (73.528 Secs)	
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]



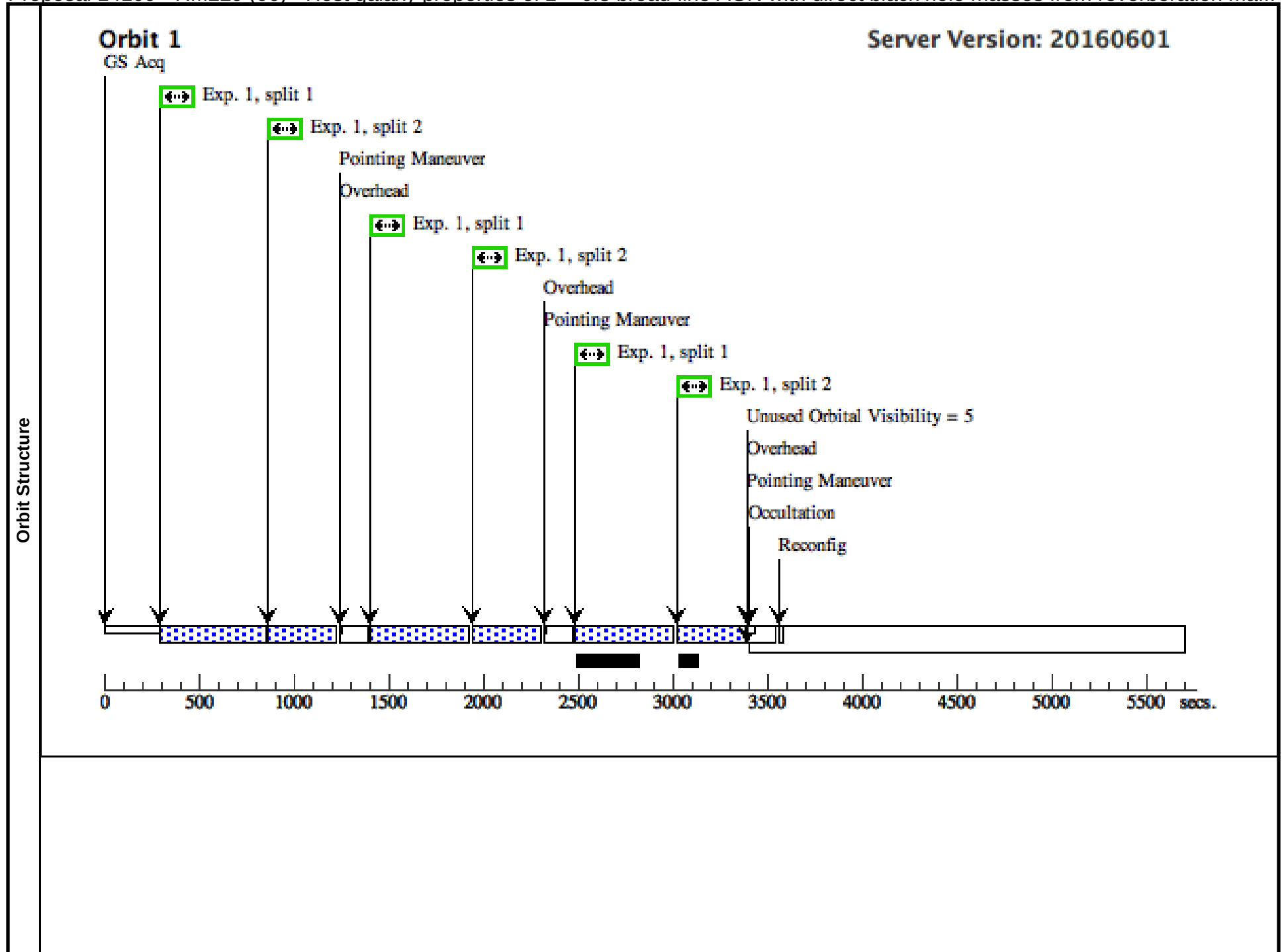


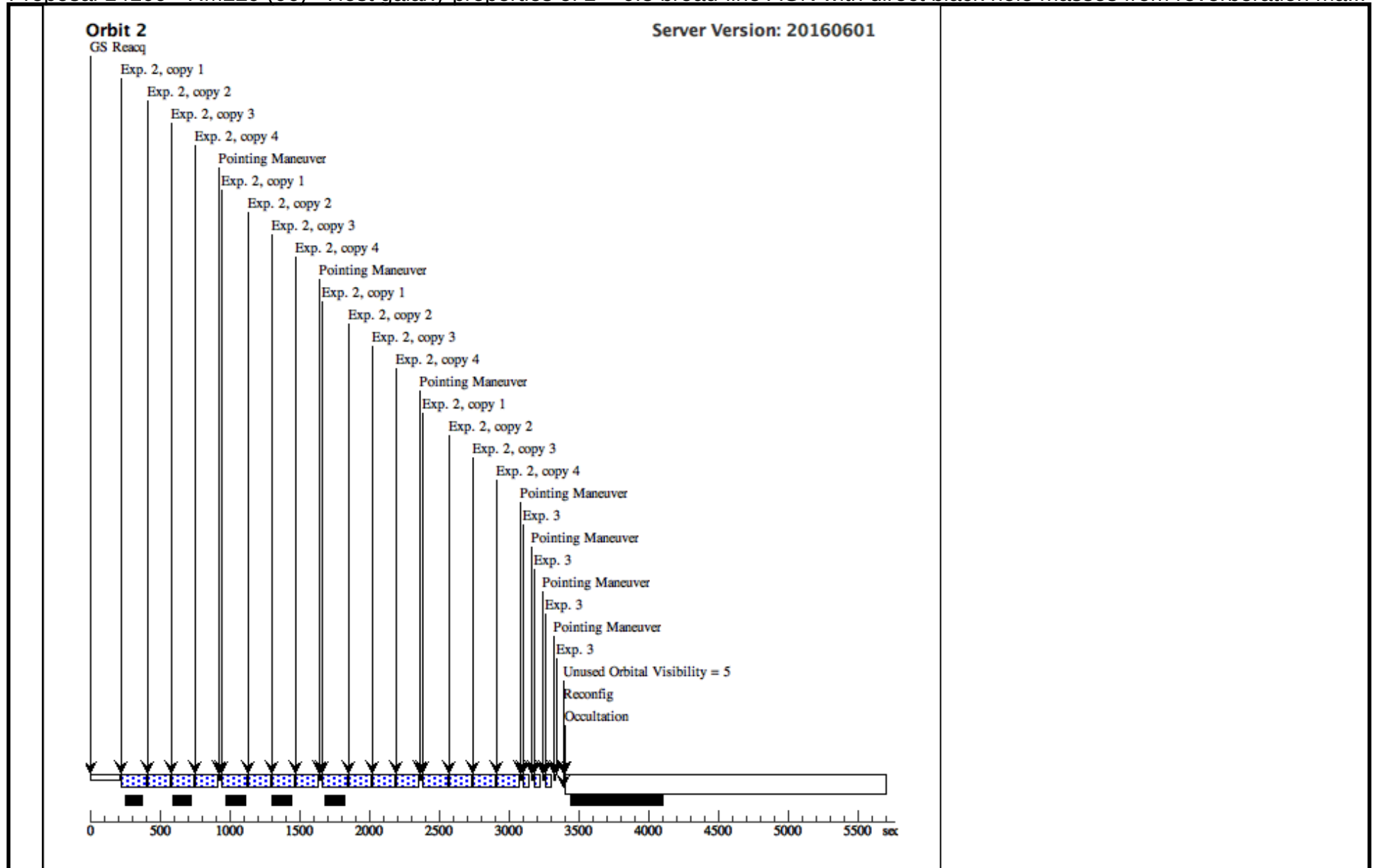
Proposal 14109 - RM229 (06) - Host galaxy properties of $z \sim 0.3$ broad-line AGN with direct black hole masses from reverberation ma...

Visit	Proposal 14109, RM229 (06), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)					Wed Jan 18 02:01:21 GMT 2017
Patterns	#	Primary Pattern		Secondary Pattern		Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false			(2), (3)
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false			(1)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(6)	RM229	RA: 14 10 18.0400 (212.5751667d) Dec: +53 29 37.50 (53.49375d) Equinox: J2000		V=(?) r=20.7	Reference Frame: ICRS

Proposal 14109 - RM229 (06) - Host galaxy properties of $z \sim 0.3$ broad-line AGN with direct black hole masses from reverberation ma...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	UVIS-F606W	(6) RM229	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F606W	CR-SPLIT=2	GS ACQ SCENARIO BASE1B3	Pattern 2, Exps 1-1 in RM229 (06) (2)	900 Secs (2172 Secs)	
									[==>362.0 Secs (Pattern 1, Split 1)] [==>362.0 Secs (Pattern 1, Split 2)] [==>362.0 Secs (Pattern 2, Split 1)] [==>362.0 Secs (Pattern 2, Split 2)] [==>362.0 Secs (Pattern 3, Split 1)] [==>362.0 Secs (Pattern 3, Split 2)]	[1]
	2	IR-F110W	(6) RM229	WFC3/IR, MULTIACCUM, IRSUB512	F110W	NSAMP=11; SAMP-SEQ=STEP25		Pattern 1, Exps 2-2 in RM229 (06) (1)	151.360897 Secs X 4 (2421.774 Secs)	
									[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 1, Copy 4)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)] [==>(Pattern 2, Copy 4)] [==>(Pattern 3, Copy 1)] [==>(Pattern 3, Copy 2)] [==>(Pattern 3, Copy 3)] [==>(Pattern 3, Copy 4)] [==>(Pattern 4, Copy 1)] [==>(Pattern 4, Copy 2)] [==>(Pattern 4, Copy 3)] [==>(Pattern 4, Copy 4)]	[2]
	3	IR-F110W	(6) RM229	WFC3/IR, MULTIACCUM, IRSUB512	F110W	NSAMP=7; SAMP-SEQ=SPARS5		Pattern 1, Exps 3-3 in RM229 (06) (1)	18.382069 Secs (73.528 Secs)	
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]



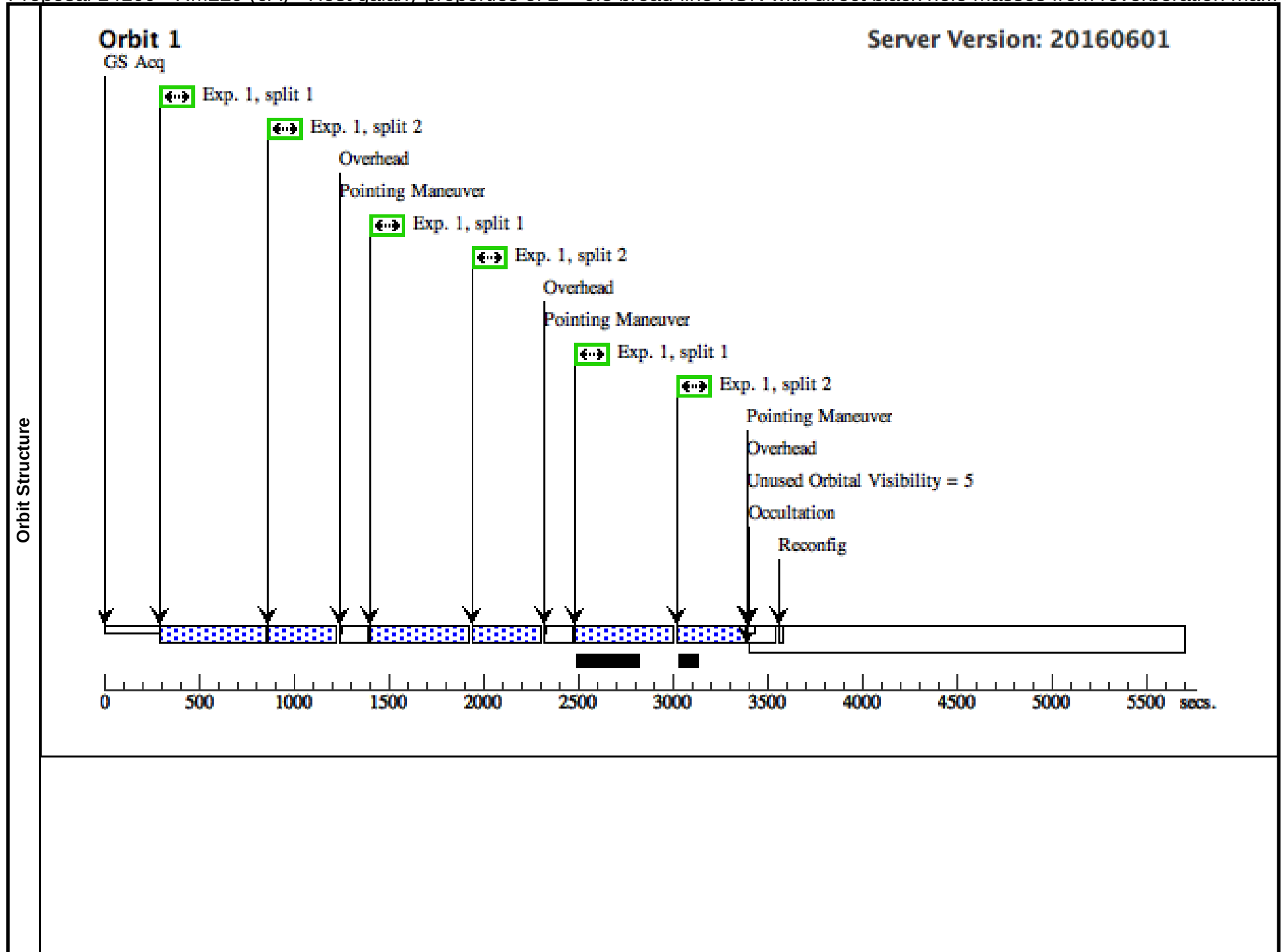


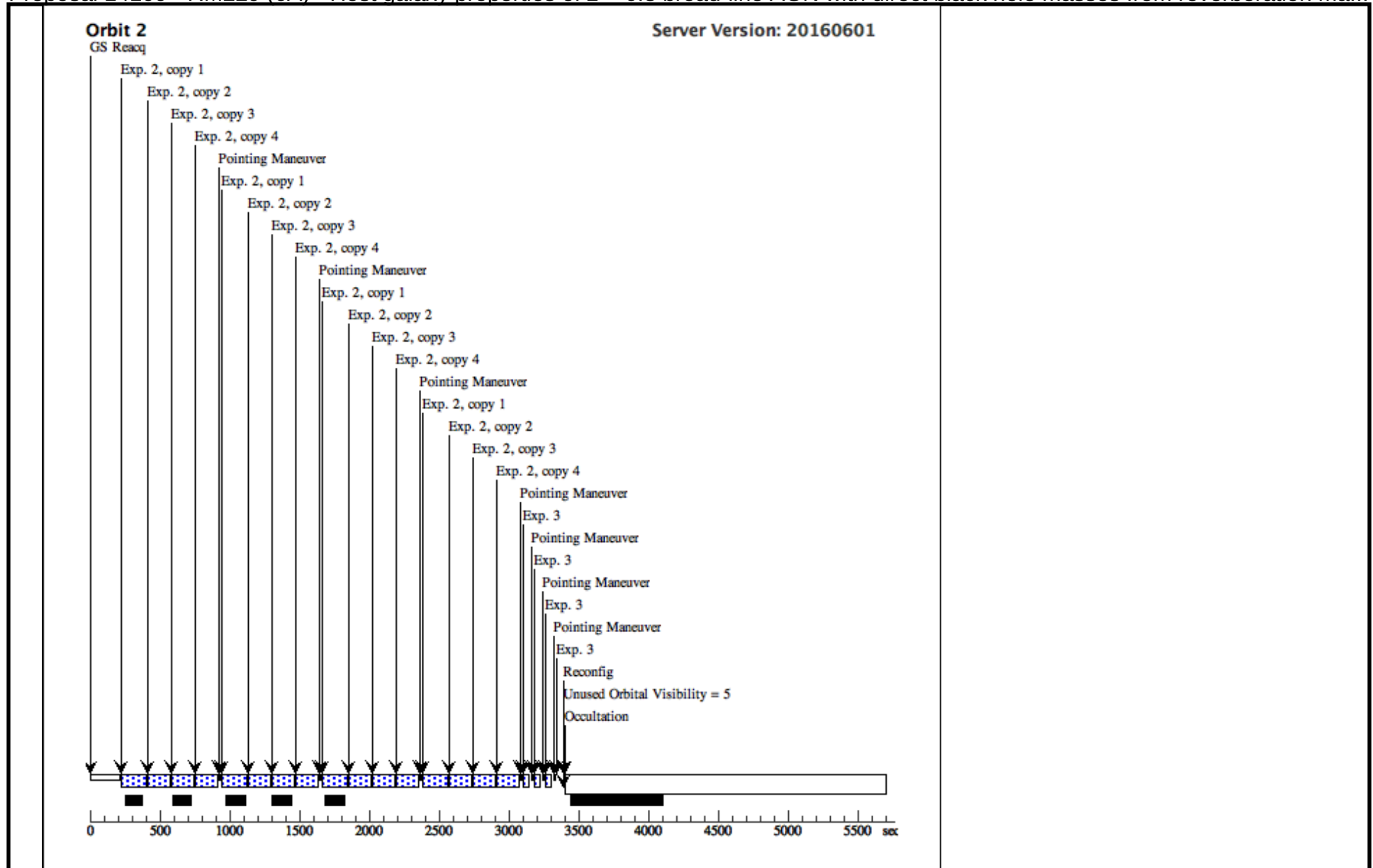
Proposal 14109 - RM229 (6A) - Host galaxy properties of $z \gtrsim 0.3$ broad-line AGN with direct black hole masses from reverberation ma...

Visit	Proposal 14109, RM229 (6A)				Wed Jan 18 02:01:21 GMT 2017	
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: WFC3/IR, WFC3/UVIS					
	Special Requirements: (none)					
	Comments: Copy of failed visit 06					
Patterns	#	Primary Pattern		Secondary Pattern	Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(2), (3)	
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(6)	RM229	RA: 14 10 18.0400 (212.5751667d) Dec: +53 29 37.50 (53.49375d) Equinox: J2000		V=(?) r=20.7	Reference Frame: ICRS

Proposal 14109 - RM229 (6A) - Host galaxy properties of $z \gtrsim 0.3$ broad-line AGN with direct black hole masses from reverberation ma...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	UVIS-F606W	(6) RM229	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F606W	CR-SPLIT=2	GS ACQ SCENARIO BASE1B3	Pattern 2, Exps 1-1 in RM229 (6A) (2)	900 Secs (2172 Secs)	
									[==>362.0 Secs (Pattern 1, Split 1)] [==>362.0 Secs (Pattern 1, Split 2)] [==>362.0 Secs (Pattern 2, Split 1)] [==>362.0 Secs (Pattern 2, Split 2)] [==>362.0 Secs (Pattern 3, Split 1)] [==>362.0 Secs (Pattern 3, Split 2)]	[1]
	2	IR-F110W	(6) RM229	WFC3/IR, MULTIACCUM, IRSUB512	F110W	NSAMP=11; SAMP-SEQ=STEP25		Pattern 1, Exps 2-2 in RM229 (6A) (1)	151.360897 Secs X 4 (2421.774 Secs)	
									[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 1, Copy 4)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)] [==>(Pattern 2, Copy 4)] [==>(Pattern 3, Copy 1)] [==>(Pattern 3, Copy 2)] [==>(Pattern 3, Copy 3)] [==>(Pattern 3, Copy 4)] [==>(Pattern 4, Copy 1)] [==>(Pattern 4, Copy 2)] [==>(Pattern 4, Copy 3)] [==>(Pattern 4, Copy 4)]	[2]
	3	IR-F110W	(6) RM229	WFC3/IR, MULTIACCUM, IRSUB512	F110W	NSAMP=7; SAMP-SEQ=SPARS5		Pattern 1, Exps 3-3 in RM229 (6A) (1)	18.382069 Secs (73.528 Secs)	
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]



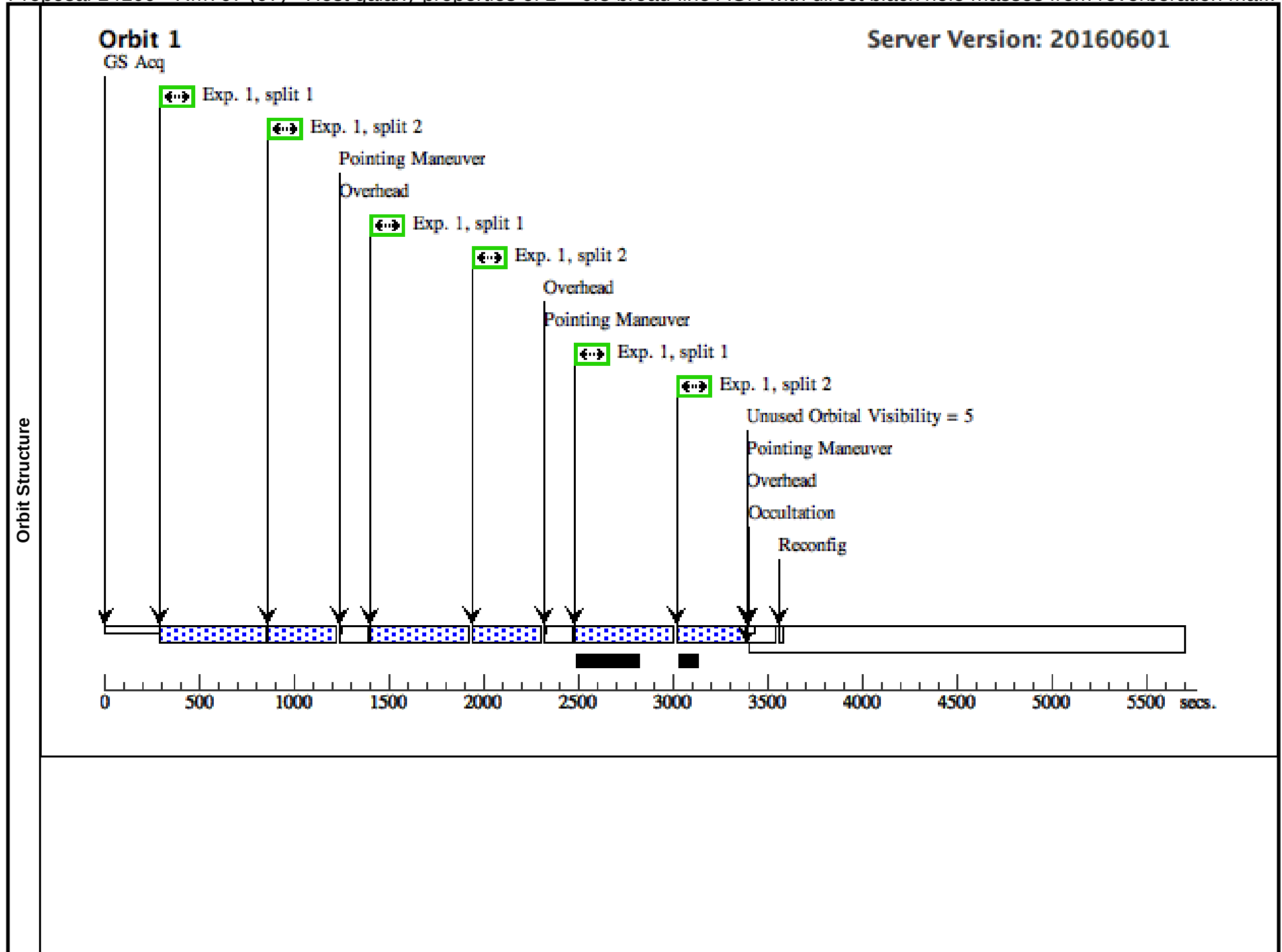


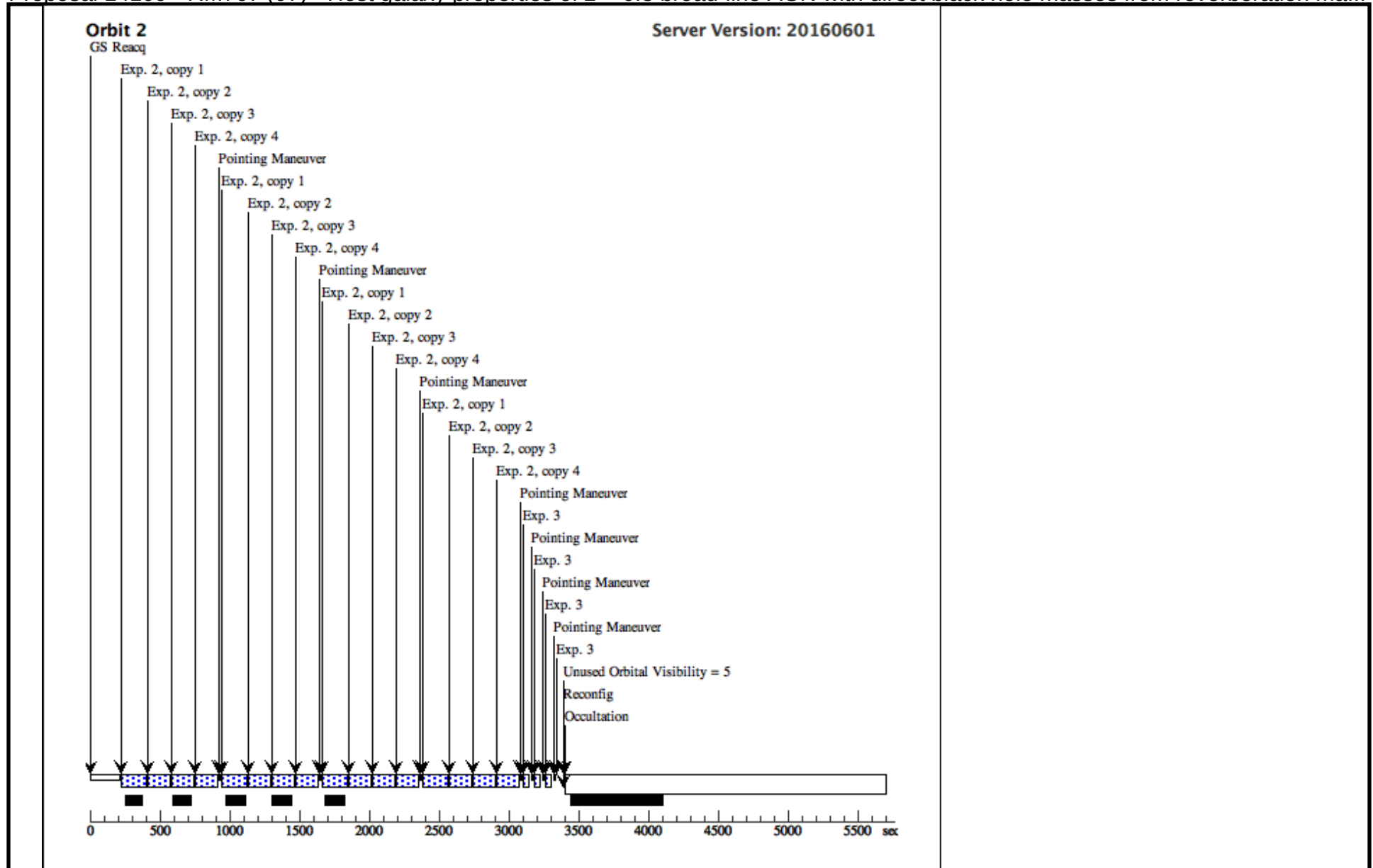
Proposal 14109 - RM767 (07) - Host galaxy properties of $z \sim 0.3$ broad-line AGN with direct black hole masses from reverberation ma...

Visit	Proposal 14109, RM767 (07), scheduling Wed Jan 18 02:01:21 GMT 2017				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(2), (3)
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(7)	RM767	RA: 14 16 50.9300 (214.2122083d) Dec: +53 51 57.00 (53.86583d) Equinox: J2000		V=(?) r=20.7
		Miscellaneous			
		Reference Frame: ICRS			

Proposal 14109 - RM767 (07) - Host galaxy properties of $z \sim 0.3$ broad-line AGN with direct black hole masses from reverberation ma...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	UVIS-F606W	(7) RM767	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F606W	CR-SPLIT=2	GS ACQ SCENARIO BASE1B3	Pattern 2, Exps 1-1 in RM767 (07) (2)	900 Secs (2172 Secs)	
									[==>362.0 Secs (Pattern 1, Split 1)] [==>362.0 Secs (Pattern 1, Split 2)] [==>362.0 Secs (Pattern 2, Split 1)] [==>362.0 Secs (Pattern 2, Split 2)] [==>362.0 Secs (Pattern 3, Split 1)] [==>362.0 Secs (Pattern 3, Split 2)]	[1]
	2	IR-F110W	(7) RM767	WFC3/IR, MULTIACCUM, IRSUB512	F110W	NSAMP=11; SAMP-SEQ=STEP25		Pattern 1, Exps 2-2 in RM767 (07) (1)	151.360897 Secs X 4 (2421.774 Secs)	
									[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 1, Copy 4)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)] [==>(Pattern 2, Copy 4)] [==>(Pattern 3, Copy 1)] [==>(Pattern 3, Copy 2)] [==>(Pattern 3, Copy 3)] [==>(Pattern 3, Copy 4)] [==>(Pattern 4, Copy 1)] [==>(Pattern 4, Copy 2)] [==>(Pattern 4, Copy 3)] [==>(Pattern 4, Copy 4)]	[2]
	3	IR-F110W	(7) RM767	WFC3/IR, MULTIACCUM, IRSUB512	F110W	NSAMP=7; SAMP-SEQ=SPARS5		Pattern 1, Exps 3-3 in RM767 (07) (1)	18.382069 Secs (73.528 Secs)	
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]



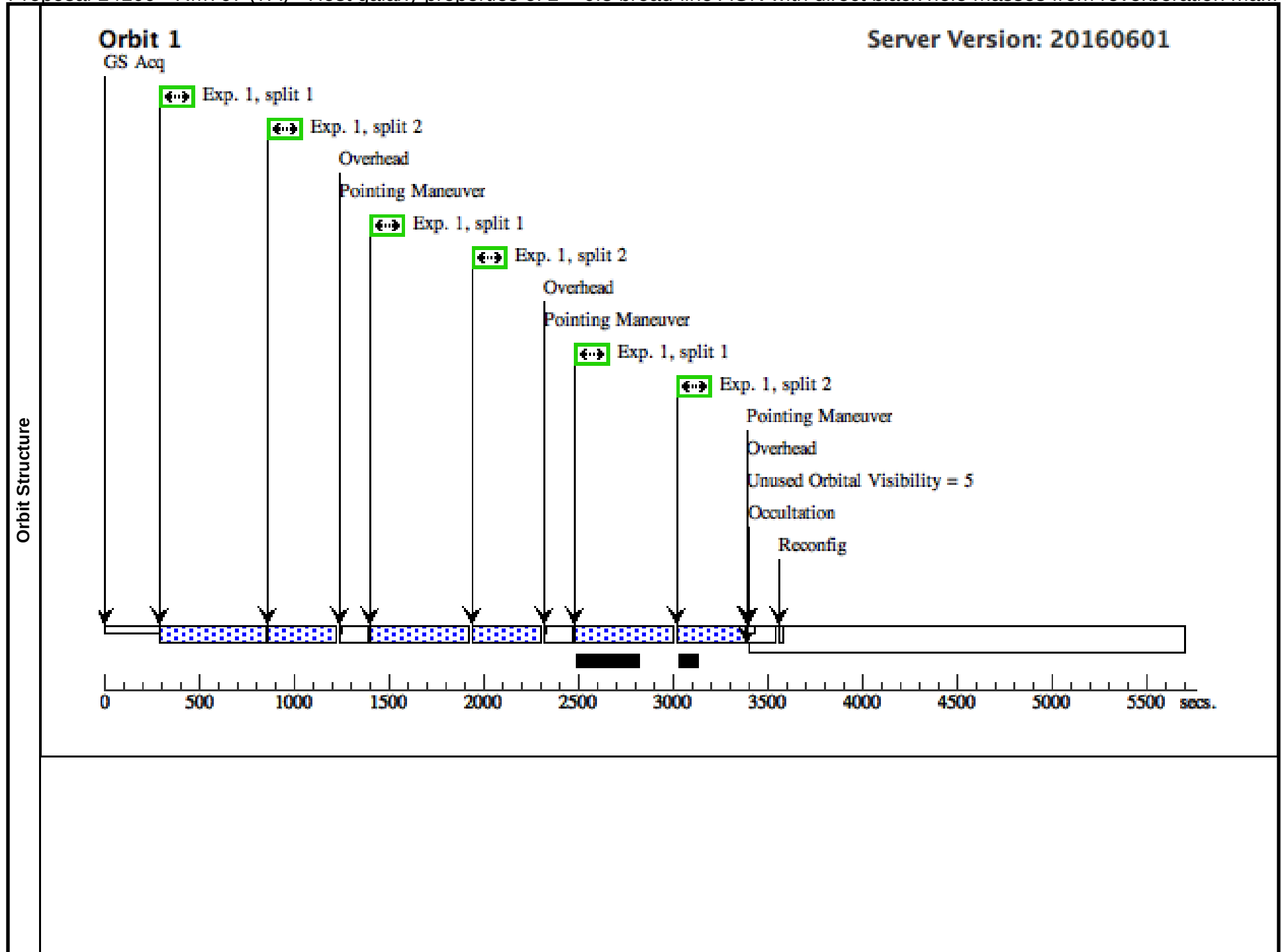


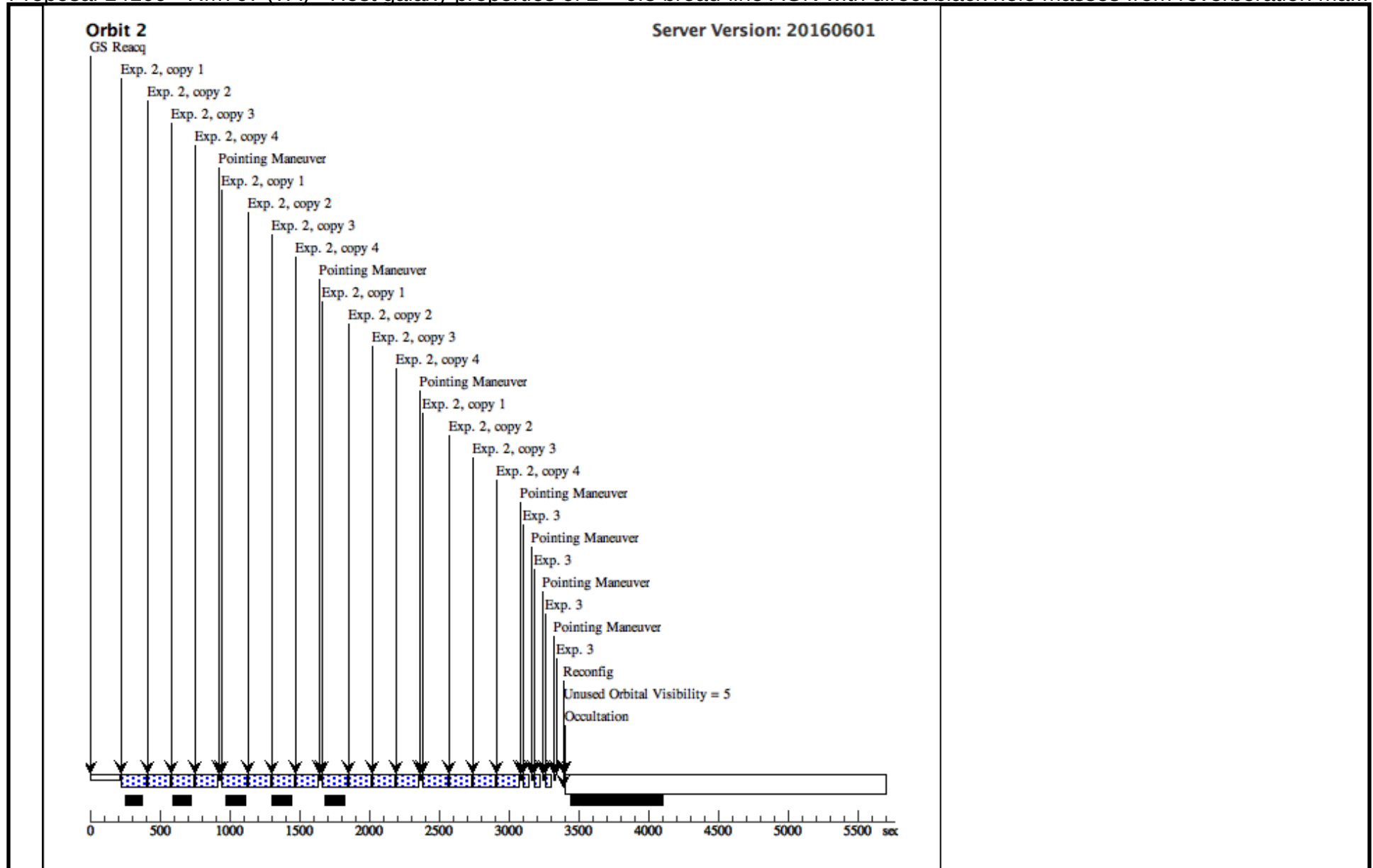
Proposal 14109 - RM767 (7A) - Host galaxy properties of $z \gtrsim 0.3$ broad-line AGN with direct black hole masses from reverberation ma...

Visit	Proposal 14109, RM767 (7A) Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none) <i>Comments: Copy of visit 07.</i>					Wed Jan 18 02:01:21 GMT 2017
Patterns	#	Primary Pattern		Secondary Pattern		Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false			(2), (3)
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false			(1)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(7)	RM767	RA: 14 16 50.9300 (214.2122083d) Dec: +53 51 57.00 (53.86583d) Equinox: J2000		V=(?) r=20.7	Reference Frame: ICRS

Proposal 14109 - RM767 (7A) - Host galaxy properties of $z \sim 0.3$ broad-line AGN with direct black hole masses from reverberation ma...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	UVIS-F606W	(7) RM767	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F606W	CR-SPLIT=2	GS ACQ SCENARIO BASE1B3	Pattern 2, Exps 1-1 in RM767 (7A) (2)	900 Secs (2172 Secs)	
									[==>362.0 Secs (Pattern 1, Split 1)] [==>362.0 Secs (Pattern 1, Split 2)] [==>362.0 Secs (Pattern 2, Split 1)] [==>362.0 Secs (Pattern 2, Split 2)] [==>362.0 Secs (Pattern 3, Split 1)] [==>362.0 Secs (Pattern 3, Split 2)]	[1]
	2	IR-F110W	(7) RM767	WFC3/IR, MULTIACCUM, IRSUB512	F110W	NSAMP=11; SAMP-SEQ=STEP25		Pattern 1, Exps 2-2 in RM767 (7A) (1)	151.360897 Secs X 4 (2421.774 Secs)	
									[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 1, Copy 4)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)] [==>(Pattern 2, Copy 4)] [==>(Pattern 3, Copy 1)] [==>(Pattern 3, Copy 2)] [==>(Pattern 3, Copy 3)] [==>(Pattern 3, Copy 4)] [==>(Pattern 4, Copy 1)] [==>(Pattern 4, Copy 2)] [==>(Pattern 4, Copy 3)] [==>(Pattern 4, Copy 4)]	[2]
	3	IR-F110W	(7) RM767	WFC3/IR, MULTIACCUM, IRSUB512	F110W	NSAMP=7; SAMP-SEQ=SPARS5		Pattern 1, Exps 3-3 in RM767 (7A) (1)	18.382069 Secs (73.528 Secs)	
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]



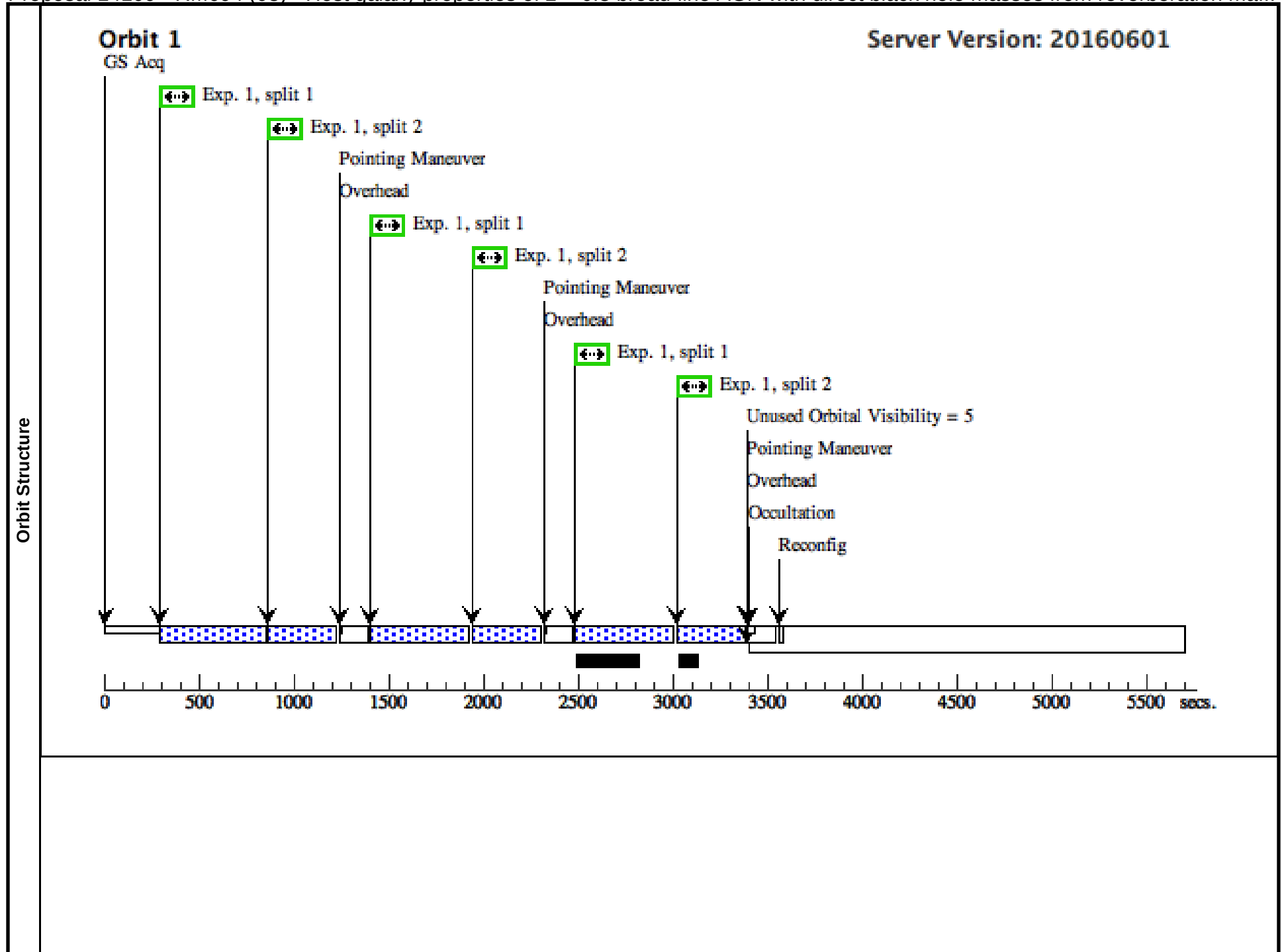


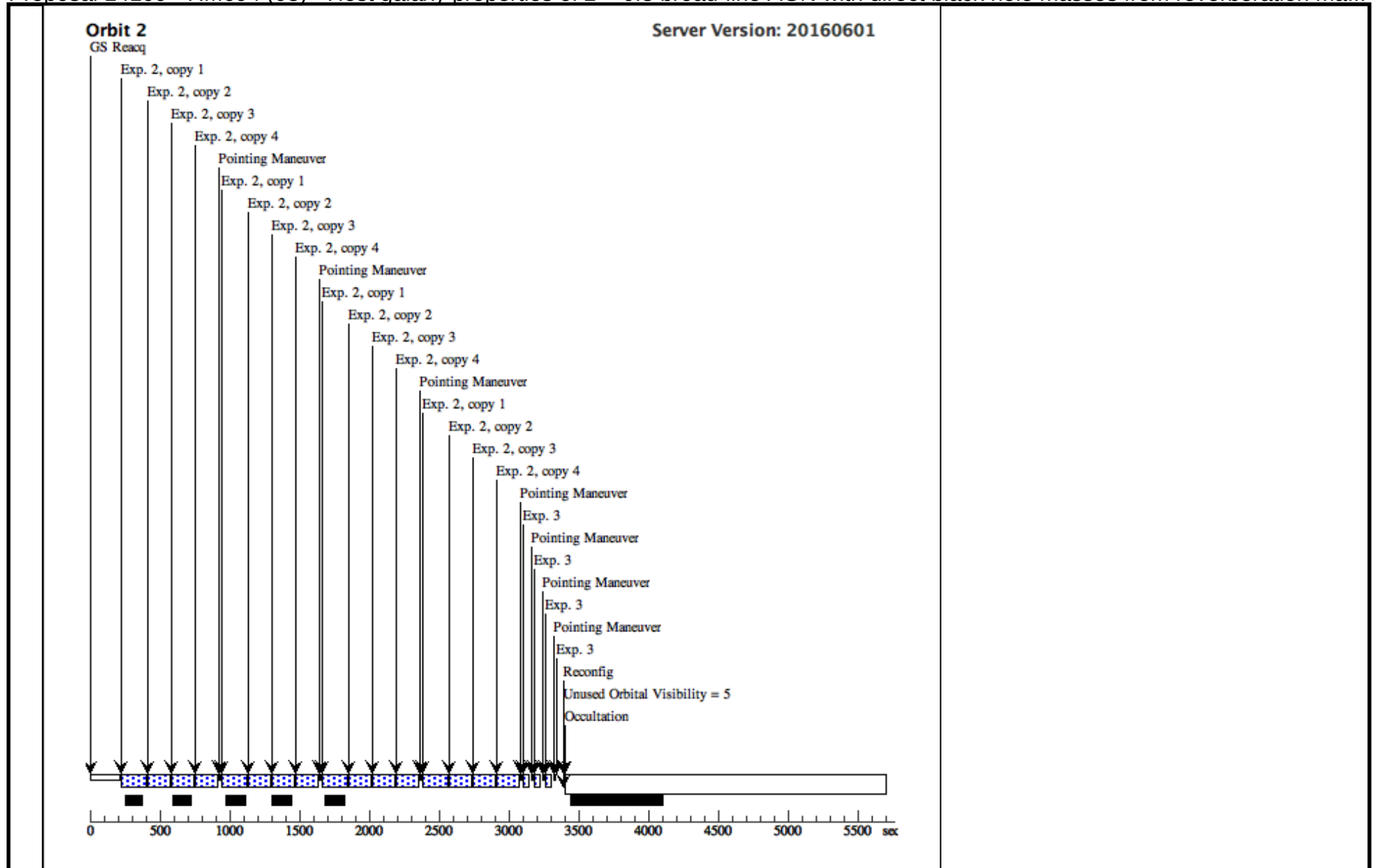
Proposal 14109 - RM694 (08) - Host galaxy properties of $z \sim 0.3$ broad-line AGN with direct black hole masses from reverberation ma...

Visit	Proposal 14109, RM694 (08), completed Wed Jan 18 02:01:21 GMT 2017				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(2), (3)
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(8)	RM694	RA: 14 17 6.6800 (214.2778333d) Dec: +51 43 40.10 (51.72781d) Equinox: J2000		V=(?) r=19.9
		Miscellaneous			
		Reference Frame: ICRS			

Proposal 14109 - RM694 (08) - Host galaxy properties of $z \sim 0.3$ broad-line AGN with direct black hole masses from reverberation ma...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	UVIS-F606W	(8) RM694	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F606W	CR-SPLIT=2	GS ACQ SCENARIO BASE1B3	Pattern 2, Exps 1-1 in RM694 (08) (2)	900 Secs (2172 Secs)	
									[==>362.0 Secs (Pattern 1, Split 1)] [==>362.0 Secs (Pattern 1, Split 2)] [==>362.0 Secs (Pattern 2, Split 1)] [==>362.0 Secs (Pattern 2, Split 2)] [==>362.0 Secs (Pattern 3, Split 1)] [==>362.0 Secs (Pattern 3, Split 2)]	[1]
	2	IR-F110W	(8) RM694	WFC3/IR, MULTIACCUM, IRSUB512	F110W	NSAMP=11; SAMP-SEQ=STEP25		Pattern 1, Exps 2-2 in RM694 (08) (1)	151.360897 Secs X 4 (2421.774 Secs)	
									[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 1, Copy 4)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)] [==>(Pattern 2, Copy 4)] [==>(Pattern 3, Copy 1)] [==>(Pattern 3, Copy 2)] [==>(Pattern 3, Copy 3)] [==>(Pattern 3, Copy 4)] [==>(Pattern 4, Copy 1)] [==>(Pattern 4, Copy 2)] [==>(Pattern 4, Copy 3)] [==>(Pattern 4, Copy 4)]	[2]
	3	IR-F110W	(8) RM694	WFC3/IR, MULTIACCUM, IRSUB512	F110W	NSAMP=7; SAMP-SEQ=SPARS5		Pattern 1, Exps 3-3 in RM694 (08) (1)	18.382069 Secs (73.528 Secs)	
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]



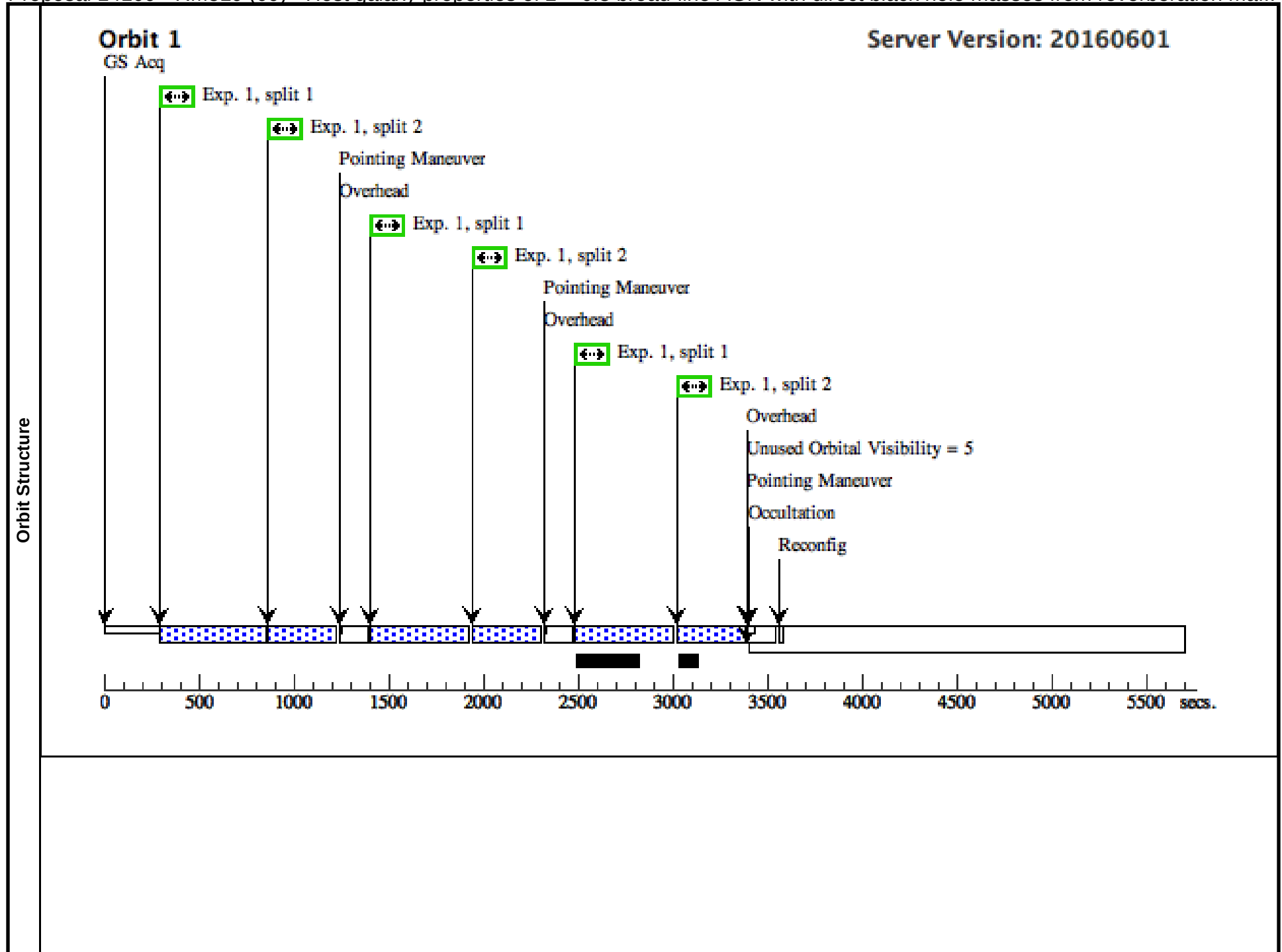


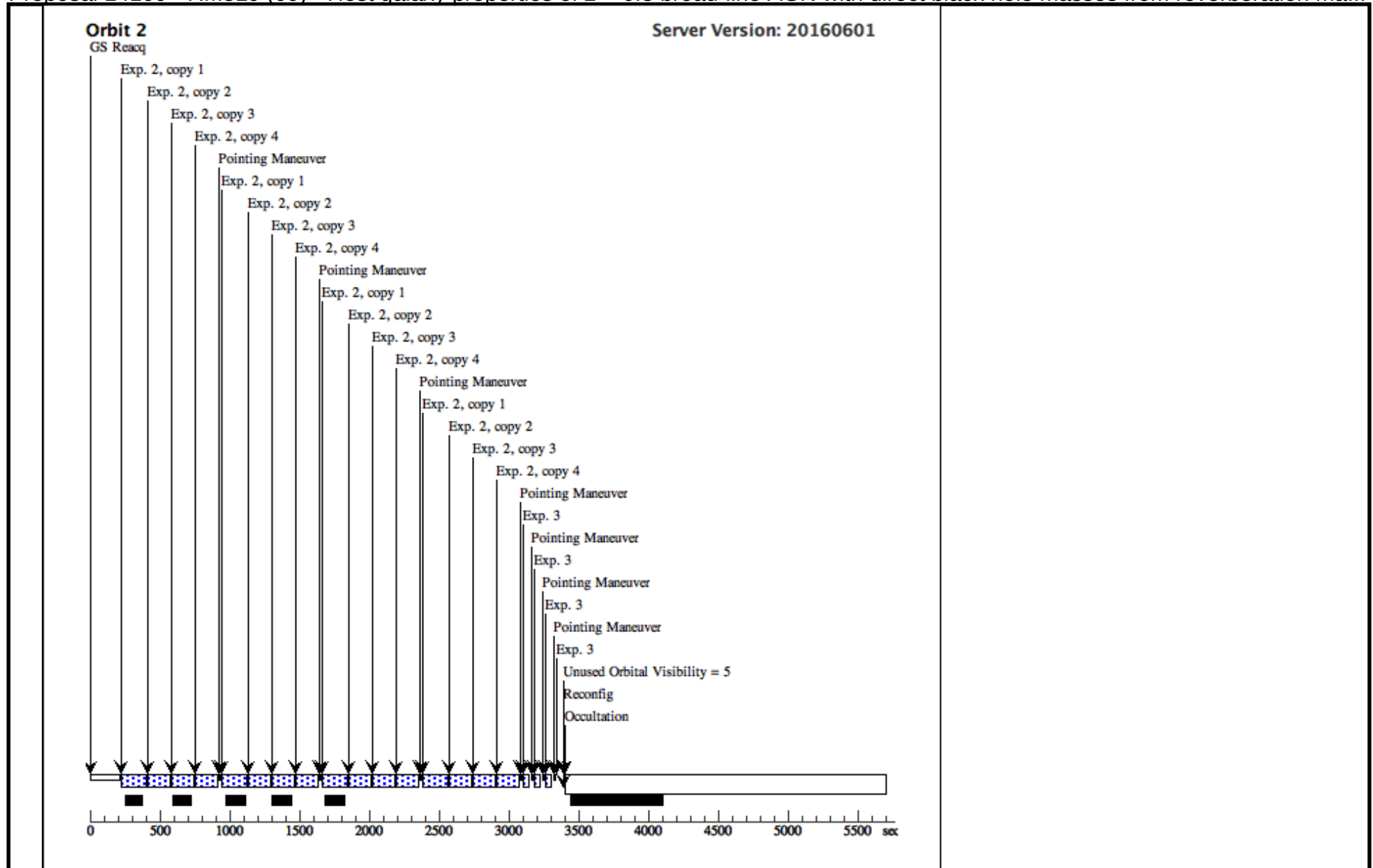
Proposal 14109 - RM519 (09) - Host galaxy properties of $z \sim 0.3$ broad-line AGN with direct black hole masses from reverberation ma...

Visit	Proposal 14109, RM519 (09), completed Wed Jan 18 02:01:22 GMT 2017				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(2), (3)
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(9)	RM519	RA: 14 17 12.3000 (214.3012500d) Dec: +51 56 45.50 (51.94597d) Equinox: J2000		V=(?) r=21.9
		Miscellaneous			
		Reference Frame: ICRS			

Proposal 14109 - RM519 (09) - Host galaxy properties of $z \sim 0.3$ broad-line AGN with direct black hole masses from reverberation ma...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	UVIS-F606W	(9) RM519	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F606W	CR-SPLIT=2	GS ACQ SCENARIO BASE1B3	Pattern 2, Exps 1-1 in RM519 (09) (2)	900 Secs (2172 Secs)	
									[==>362.0 Secs (Pattern 1, Split 1)] [==>362.0 Secs (Pattern 1, Split 2)] [==>362.0 Secs (Pattern 2, Split 1)] [==>362.0 Secs (Pattern 2, Split 2)] [==>362.0 Secs (Pattern 3, Split 1)] [==>362.0 Secs (Pattern 3, Split 2)]	[1]
	2	IR-F110W	(9) RM519	WFC3/IR, MULTIACCUM, IRSUB512	F110W	NSAMP=11; SAMP-SEQ=STEP25		Pattern 1, Exps 2-2 in RM519 (09) (1)	151.360897 Secs X 4 (2421.774 Secs)	
									[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 1, Copy 4)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)] [==>(Pattern 2, Copy 4)] [==>(Pattern 3, Copy 1)] [==>(Pattern 3, Copy 2)] [==>(Pattern 3, Copy 3)] [==>(Pattern 3, Copy 4)] [==>(Pattern 4, Copy 1)] [==>(Pattern 4, Copy 2)] [==>(Pattern 4, Copy 3)] [==>(Pattern 4, Copy 4)]	[2]
	3	IR-F110W	(9) RM519	WFC3/IR, MULTIACCUM, IRSUB512	F110W	NSAMP=7; SAMP-SEQ=SPARS5		Pattern 1, Exps 3-3 in RM519 (09) (1)	18.382069 Secs (73.528 Secs)	
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]



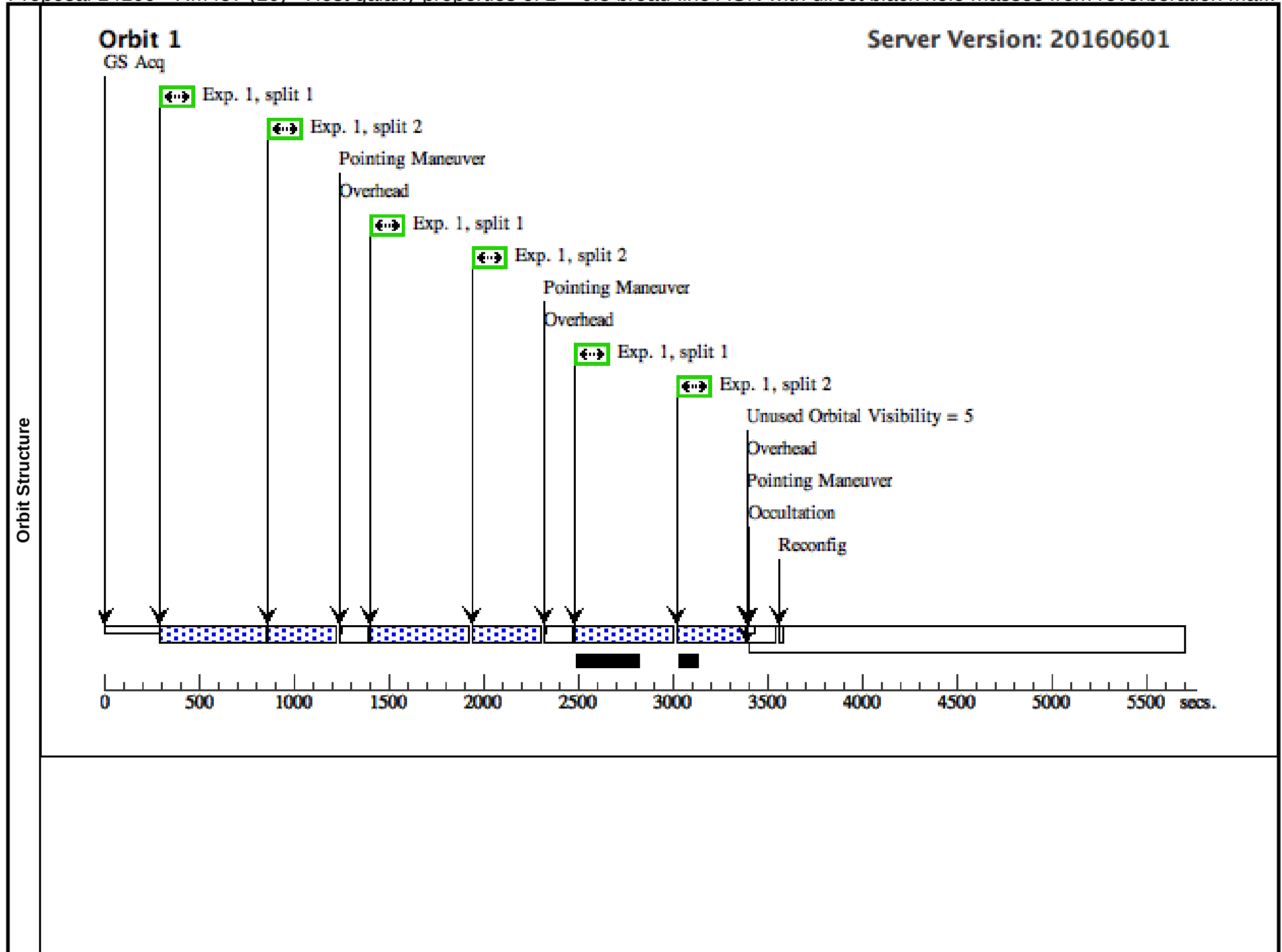


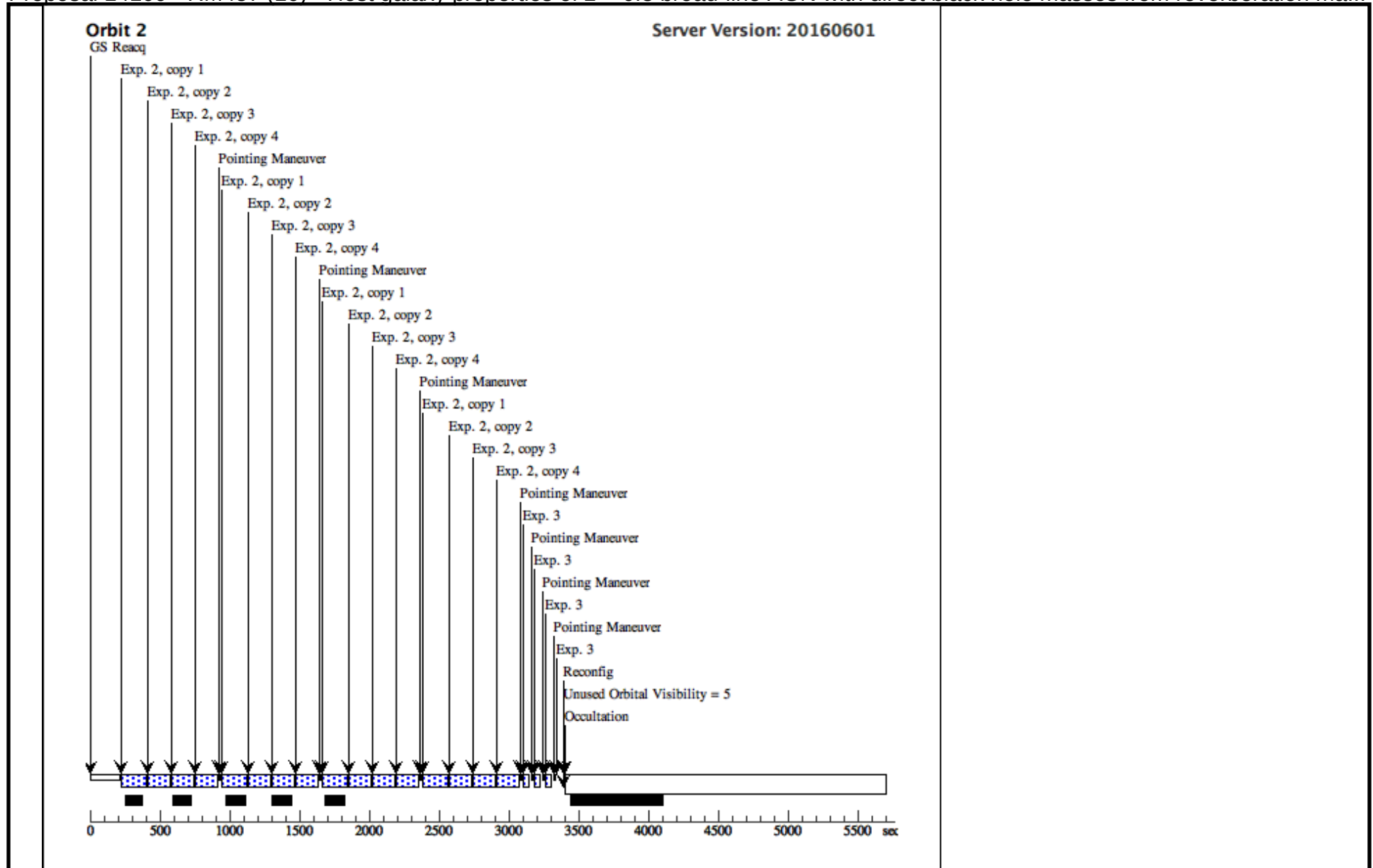
Proposal 14109 - RM457 (10) - Host galaxy properties of $z \sim 0.3$ broad-line AGN with direct black hole masses from reverberation ma...

Visit	Proposal 14109, RM457 (10), scheduled Wed Jan 18 02:01:22 GMT 2017				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(2), (3)
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(10)	RM457	RA: 14 14 17.1300 (213.5713750d) Dec: +51 57 22.60 (51.95628d) Equinox: J2000		V=(?) r=20.5
		Miscellaneous			
		Reference Frame: ICRS			

Proposal 14109 - RM457 (10) - Host galaxy properties of $z \sim 0.3$ broad-line AGN with direct black hole masses from reverberation ma...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	UVIS-F606W	(10) RM457	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB	F606W	CR-SPLIT=2	GS ACQ SCENARIO BASE1B3	Pattern 2, Exps 1-1 in RM457 (10) (2)	900 Secs (2172 Secs)	
									[==>362.0 Secs (Pattern 1, Split 1)] [==>362.0 Secs (Pattern 1, Split 2)] [==>362.0 Secs (Pattern 2, Split 1)] [==>362.0 Secs (Pattern 2, Split 2)] [==>362.0 Secs (Pattern 3, Split 1)] [==>362.0 Secs (Pattern 3, Split 2)]	[1]
	2	IR-F110W	(10) RM457	WFC3/IR, MULTIACCUM, IRSUB512	F110W	NSAMP=11; SAMP-SEQ=STEP25		Pattern 1, Exps 2-2 in RM457 (10) (1)	151.360897 Secs X 4 (2421.774 Secs)	
									[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 1, Copy 4)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)] [==>(Pattern 2, Copy 4)] [==>(Pattern 3, Copy 1)] [==>(Pattern 3, Copy 2)] [==>(Pattern 3, Copy 3)] [==>(Pattern 3, Copy 4)] [==>(Pattern 4, Copy 1)] [==>(Pattern 4, Copy 2)] [==>(Pattern 4, Copy 3)] [==>(Pattern 4, Copy 4)]	[2]
	3	IR-F110W	(10) RM457	WFC3/IR, MULTIACCUM, IRSUB512	F110W	NSAMP=7; SAMP-SEQ=SPARS5		Pattern 1, Exps 3-3 in RM457 (10) (1)	18.382069 Secs (73.528 Secs)	
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]





Proposal 14109 - EGGR-26 (11) - Host galaxy properties of $z \sim 0.3$ broad-line AGN with direct black hole masses from reverberation ...

Visit	Proposal 14109, EGGR-26 (11), completed										Wed Jan 18 02:01:22 GMT 2017	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/IR, WFC3/UVIS											
	Special Requirements: SCHED 100%											
	Comments: One orbit with IR-SUB512, and with UVIS-SUB2k PSF star observation											
Patterns	#	Primary Pattern					Secondary Pattern			Exposures		
	(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365			Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false					(1), (2)		
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=			Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false					(3), (4)		
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(11)	EGGR-26		RA: 03 55 21.9900 (58.8416250d) Dec: +09 47 18.00 (9.78833d) Equinox: J2000				V=14.506		Reference Frame: SIMBAD		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.											
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	IR-F110W	(11) EGGR-26	WFC3/IR, MULTIACCUM, IRSUB512		F110W	SAMP-SEQ=STEP2 5; NSAMP=5	GS ACQ SCENARIO BASE1B3	Pattern 1, Exps 1-1 in EGGR-26 (11) (1)	13.833391 Secs (55.334 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]		[1]
	2	IR-F110W	(11) EGGR-26	WFC3/IR, MULTIACCUM, IRSUB512		F110W	SAMP-SEQ=STEP2 5; NSAMP=8		Pattern 1, Exps 2-2 in EGGR-26 (11) (1)	82.597144 Secs (330.389 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]		[1]
	3	UVIS-F606W	(11) EGGR-26	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB		F606W	FLASH=12		Pattern 2, Exps 3-3 in EGGR-26 (11) (2)	8 Secs (24 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]		[1]
	4	UVIS-F606W	(11) EGGR-26	WFC3/UVIS, ACCUM, UVIS2-2K2C-SUB		F606W	FLASH=12		Pattern 2, Exps 4-4 in EGGR-26 (11) (2)	30 Secs (90 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]		[1]

