



# 14219 - Homogeneous Distances and Central Profiles for MASSIVE Survey Galaxies with Supermassive Black Holes

Cycle: 23, Proposal Category: GO

(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>
01	(1) NGC-0057	WFC3/IR	1	07-Sep-2016 17:11:13.0	yes
02	(2) NGC-0315	WFC3/IR	1	07-Sep-2016 17:11:15.0	yes
03	(3) NGC-0383	WFC3/IR	1	07-Sep-2016 17:11:15.0	yes
04	(4) NGC-0410	WFC3/IR	1	07-Sep-2016 17:11:16.0	yes
05	(5) NGC-0507	WFC3/IR	1	07-Sep-2016 17:11:17.0	yes
06	(6) NGC-0533	WFC3/IR	1	07-Sep-2016 17:11:18.0	yes
07	(7) NGC-0547	WFC3/IR	1	07-Sep-2016 17:11:18.0	yes

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<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
08	(8) NGC-0665	WFC3/IR	1	07-Sep-2016 17:11:19.0	yes
09	(9) NGC-0708	WFC3/IR	1	07-Sep-2016 17:11:20.0	yes
10	(10) NGC-0741	WFC3/IR	1	07-Sep-2016 17:11:21.0	yes
11	(11) NGC-0777	WFC3/IR	1	07-Sep-2016 17:11:21.0	yes
12	(12) NGC-0890	WFC3/IR	1	07-Sep-2016 17:11:22.0	yes
13	(13) NGC-1016	WFC3/IR	1	07-Sep-2016 17:11:23.0	yes
63	(13) NGC-1016	WFC3/IR	1	07-Sep-2016 17:11:24.0	yes
14	(14) NGC-1060	WFC3/IR	1	07-Sep-2016 17:11:24.0	yes
15	(15) NGC-1129	WFC3/IR	1	07-Sep-2016 17:11:25.0	yes
16	(16) NGC-1167	WFC3/IR	1	07-Sep-2016 17:11:26.0	yes
17	(17) NGC-1272	WFC3/IR	1	07-Sep-2016 17:11:27.0	yes
18	(18) NGC-1453	WFC3/IR	1	07-Sep-2016 17:11:28.0	yes
19	(19) NGC-1573	WFC3/IR	1	07-Sep-2016 17:11:29.0	yes
20	(20) NGC-1600	WFC3/IR	1	07-Sep-2016 17:11:29.0	yes
21	(21) NGC-1700	WFC3/IR	1	07-Sep-2016 17:11:30.0	yes
22	(22) NGC-2258	WFC3/IR	1	07-Sep-2016 17:11:31.0	yes
23	(23) NGC-2274	WFC3/IR	1	07-Sep-2016 17:11:32.0	yes
24	(24) NGC-2513	WFC3/IR	1	07-Sep-2016 17:11:32.0	yes
25	(25) NGC-2672	WFC3/IR	1	07-Sep-2016 17:11:33.0	yes
26	(26) NGC-2693	WFC3/IR	1	07-Sep-2016 17:11:34.0	yes
27	(27) NGC-4914	WFC3/IR	1	07-Sep-2016 17:11:35.0	yes
28	(28) NGC-5322	WFC3/IR	1	07-Sep-2016 17:11:35.0	yes
29	(29) NGC-5353	WFC3/IR	1	07-Sep-2016 17:11:36.0	yes
30	(30) NGC-5557	WFC3/IR	1	07-Sep-2016 17:11:37.0	yes
31	(31) NGC-6482	WFC3/IR	1	07-Sep-2016 17:11:38.0	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>
32	(32) NGC-7052	WFC3/IR	1	07-Sep-2016 17:11:38.0	yes
33	(33) NGC-1684	WFC3/IR	1	07-Sep-2016 17:11:39.0	yes
34	(34) NGC-7619	WFC3/IR	1	07-Sep-2016 17:11:40.0	yes

35 Total Orbits Used

## ABSTRACT

Massive early-type galaxies are the subject of intense interest: they exhibit the most massive black holes (BHs), most extreme stellar IMFs, and most dramatic size evolution over cosmic time. Yet, their complex formation histories remain obscure. Enter MASSIVE: a volume-limited survey of the structure and dynamics of the 100 most massive early-type galaxies within  $\sim 100$  Mpc. We use integral-field spectroscopy (IFS) on sub-arcsecond (with AO) and large scales for simultaneous dynamical modeling of the supermassive BH, stars, and dark matter. The goals of MASSIVE include precise constraints on BH-galaxy scaling relations, the stellar IMF, and late-time assembly of ellipticals. We have already obtained much of the needed IFS and wide-field imaging for this project; here, we propose to add the one missing ingredient: high-resolution imaging with HST. This will nail down the central profiles, greatly reducing the degeneracy between M/L and BH masses in our dynamical orbit modeling. Further, we will measure efficient, high-quality WFC3/IR SBF distances for all targets, thereby removing potentially large errors from peculiar velocities (especially in the high-density regions occupied by massive early-types) or heterogeneous distance methods. Distance errors are insidious: they affect BH masses and galaxy properties in dissimilar ways, and thus can bias both the scatter and slopes of the scaling relations. The measured distances and central profiles will constrain the stellar, dark matter, and BH masses to high precision, ensuring the success of our ambitious MASSIVE survey.

## OBSERVING DESCRIPTION

We are targeting 34 bright early-type galaxies with WFC3/IR (all prime; no parallels).

Each target will be imaged for one orbit with WFC3/IR in the F110W bandpass.

The plan is straightforward; with each target having *\*at least\** the following exposures:

- 1) single exposure of 499.23 sec, centered at target coordinates
- 2) 4-pt tilted parallelogram dither pattern, with pattern center at targ coords; each of the 4 sub-exposure is 499.23s

Thus, total exposure time (for most galaxies) is  $5 \times 499.23 = 2496$  sec.

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(Plus, for a few galaxies at high DEC, we squeeze in an additional, shorter exposure at the end of the orbit.)

All of the exposures use the STEP50 non-destructive read sequence with NSAMP=15 (i.e., the maximum number of reads per exposure, except for the extra shorter exposures for the few high-DEC galaxies).

For the DITHER PATTERN, I slightly modified the scale and interior angles of the predefined WFC3-IR-DITHER-BOX-MIN such that:

point-spacing = 1.7149, line-spacing = 1.1447, pattern-orientation = 18.52845, angle-btwn-sides = 76.34268

If the first dither position were at 0,0, this would place exposures in the POSTARG (arcsec) coord frame at:

0.00000 0.00000  
1.62600 0.54495  
1.01625 1.51375  
-0.60975 0.96880

Using the WFC3/IR x,y pixel scales of 0.1355"/pix and 0.1211"/pix, as given by Appendix C of the Cy 23 WFC3/IR Instrument Handbook (which also notes that there are no significant cross terms), the above positions correspond to pixel offsets of:

0.0 0.0  
12.0 4.5  
7.5 12.5  
-4.5 8.0

which allows for improved sampling via the half-pixel offsets and improved cosmetics, even near defects several pix in size.

Further, we check the "Center Pattern" option, so that the dither positions become symmetric about zero:

-3.75 -6.25  
8.25 -1.75  
3.75 6.25  
-8.25 1.75

This symmetrized, modified box dither pattern (which is different from the simply rescaling and Centering the default BOX pattern) still allows for

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improved sampling and resolution for image processing with drizzle, while at the same enabling un-ambiguous determination of integer pixel shifts of the unrectified images with respect to the first exposure in each orbit (which is centered at 0,0).

[If we hadn't changed the interior angles, 2 of the 4 y-shifts would be half-integer with respect to 0,0, making those shifts ambiguous.]

The final consideration in the Phase 2 design was how to mitigate the danger of discontinuous changes in the F110W background caused by the varying helium airglow line at 1.083 microns (this has bitten us in previous programs). The advice from Gabe, our Contact Scientist, was:

"The worst timing for the He backgrounds seems to be in the month or two following the target reappearance after the sun avoidance, which you can see in the APT Visit Planner. At that time the orbital target visibility is mostly in sunlight and the zodi can also be high at this time when the sun-to-target angle is at a minimum. For example, I see that NGC 0057 isn't schedulable between 11-Feb to 20-May for the sun proximity. To add some padding, you could then apply an ORIENT constraint allowing only ORIENTS visible between, say 20-July and 11-Feb, which would be 48-240. You might also add a bit of padding on the front side as well, say Jan 1 in this case to avoid being close to the sun on the other side.

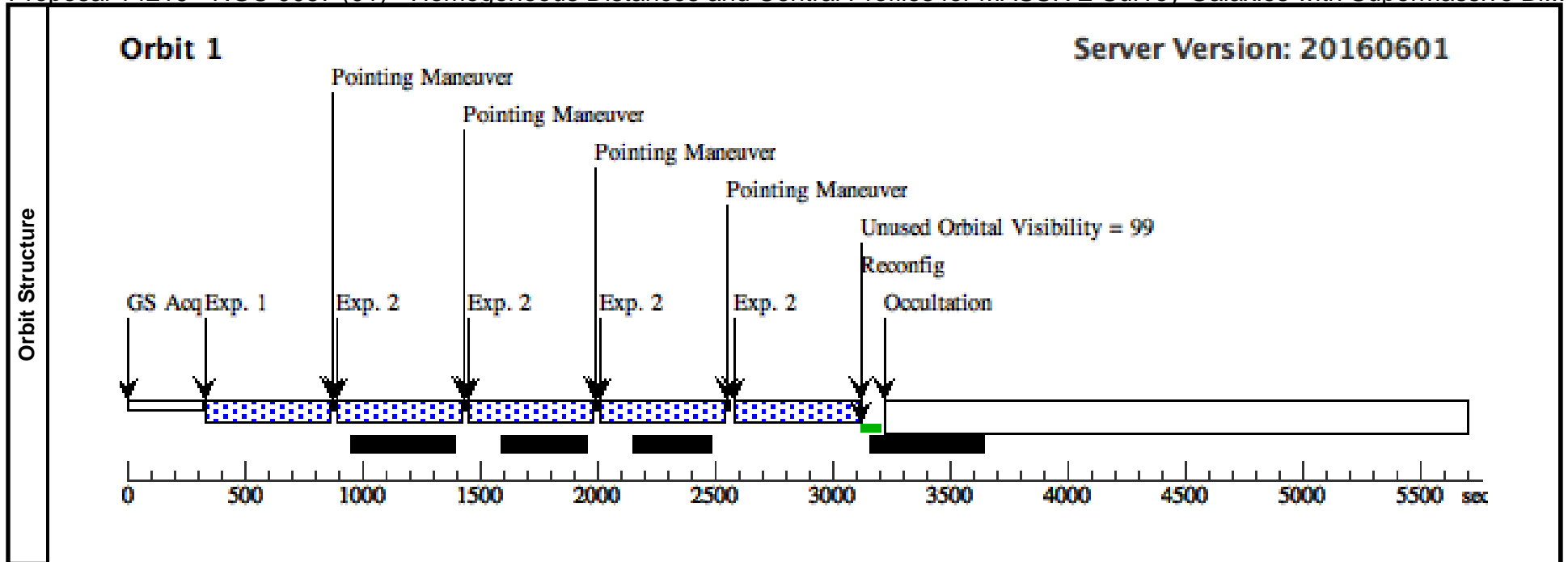
...It's also similar to the "LOW SKY" APT flag in that it reduces the zodi backgrounds, but it's not restrictive on the limb angle, which I think is less of a concern and not using it might give you a bit longer orbit lengths and improve schedulability. While LOW SKY doesn't explicitly address the airglow background, avoiding the closest sun angles should help to reduce it somewhat. Of course adding any additional constraints makes the visit harder to schedule and the scheduling of the observatory less efficient, so ideally these constraints would be as loose as possible."

We try to implement these sorts of preventive measures, without limiting the scheduling as much as with LOW-SKY.

Proposal 14219 - NGC 0057 (01) - Homogeneous Distances and Central Profiles for MASSIVE Survey Galaxies with Supermassive Bl...

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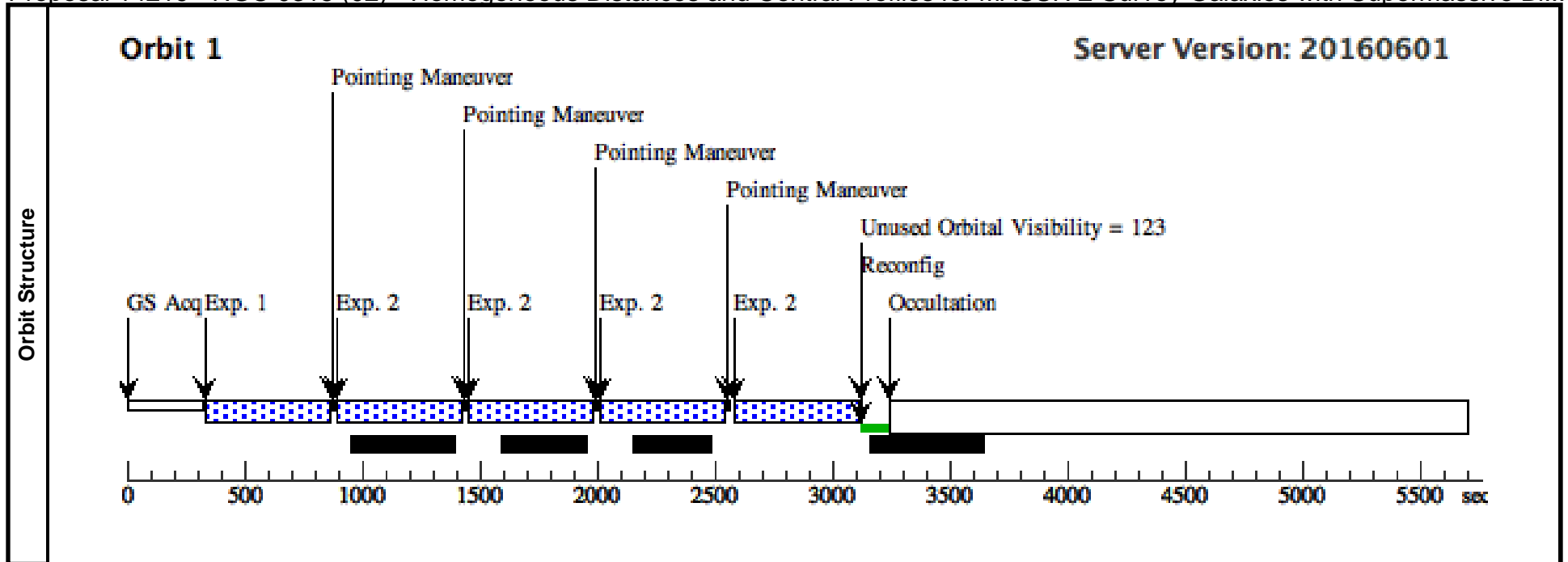
Visit	<b>Proposal 14219, NGC 0057 (01), completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: ORIENT 70D TO 240 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=1.7149 Line Spacing=1.1447	Coordinate Frame=POS-TARG Pattern Orientation=18.52845 Angle Between Sides=76.34268 Center Pattern=true		(2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	NGC-0057	RA: 00 15 30.8700 (3.8786250d) Dec: +17 19 42.70 (17.32853d) Equinox: J2000		V=(?) Htot = 8.98	Reference Frame: ICRS				
	<i>Comments: Extended=YES</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	WFC3/F110 W	(1) NGC-0057	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;				499.234285 Secs (499.234 Secs)
						NSAMP=15			[==>]	[1]
2	WFC3/F110 W	(1) NGC-0057	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;			Pattern 3, Exps 2-2 in NGC 0057 (01) (3)	499.234285 Secs (1996.937 Secs)	
						NSAMP=15			[==>(Pattern 1)]	
									[==>(Pattern 2)]	
									[==>(Pattern 3)]	
									[==>(Pattern 4)]	[1]



Proposal 14219 - NGC 0315 (02) - Homogeneous Distances and Central Profiles for MASSIVE Survey Galaxies with Supermassive Bl...

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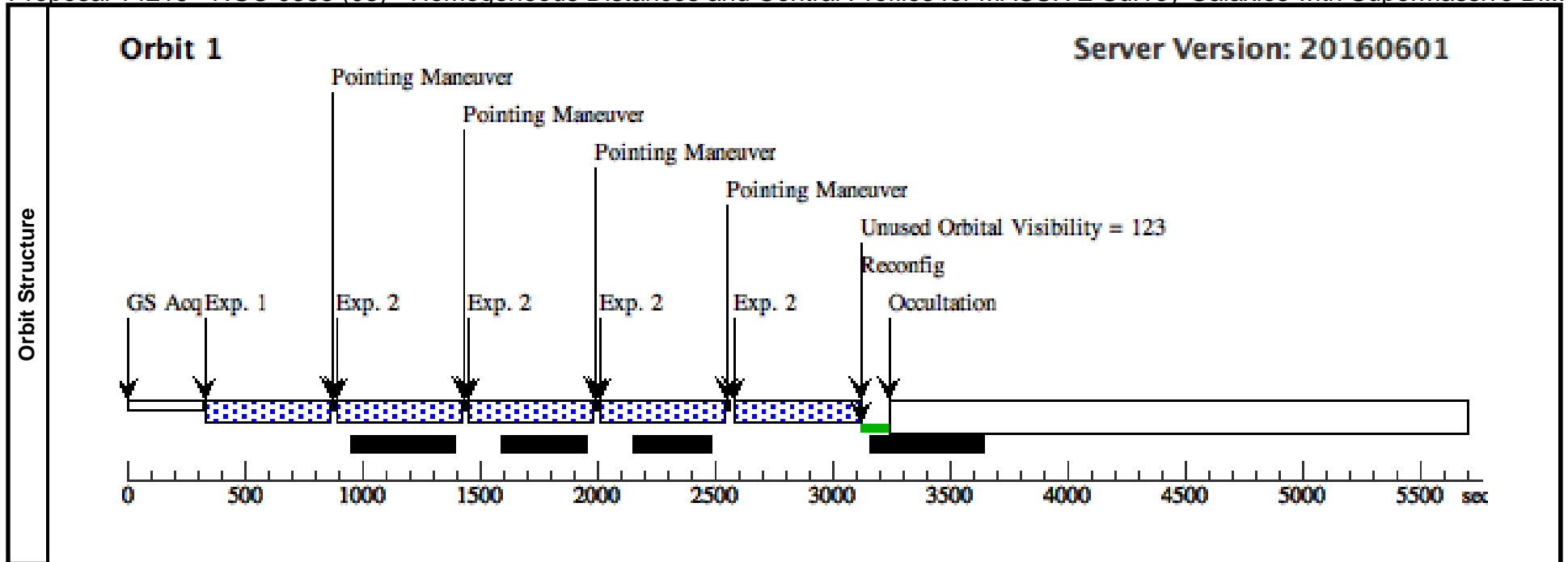
Visit	<b>Proposal 14219, NGC 0315 (02), completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: ORIENT 72D TO 242 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=1.7149 Line Spacing=1.1447	Coordinate Frame=POS-TARG Pattern Orientation=18.52845 Angle Between Sides=76.34268 Center Pattern=true		(2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	NGC-0315	RA: 00 57 48.8800 (14.4536667d) Dec: +30 21 8.80 (30.35244d) Equinox: J2000		V=(?) Htot = 8.20	Reference Frame: ICRS				
	<i>Comments: Extended=YES</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	WFC3/F110 W	(2) NGC-0315	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;			499.234285 Secs (499.234 Secs)	
						NSAMP=15			[==>]	[1]
	2	WFC3/F110 W	(2) NGC-0315	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;		Pattern 3, Exps 2-2 in NGC 0315 (02) (3)	499.234285 Secs (1996.937 Secs)	
						NSAMP=15			[==>(Pattern 1)]	
									[==>(Pattern 2)]	
									[==>(Pattern 3)]	[1]
									[==>(Pattern 4)]	



Proposal 14219 - NGC 0383 (03) - Homogeneous Distances and Central Profiles for MASSIVE Survey Galaxies with Supermassive Bl...

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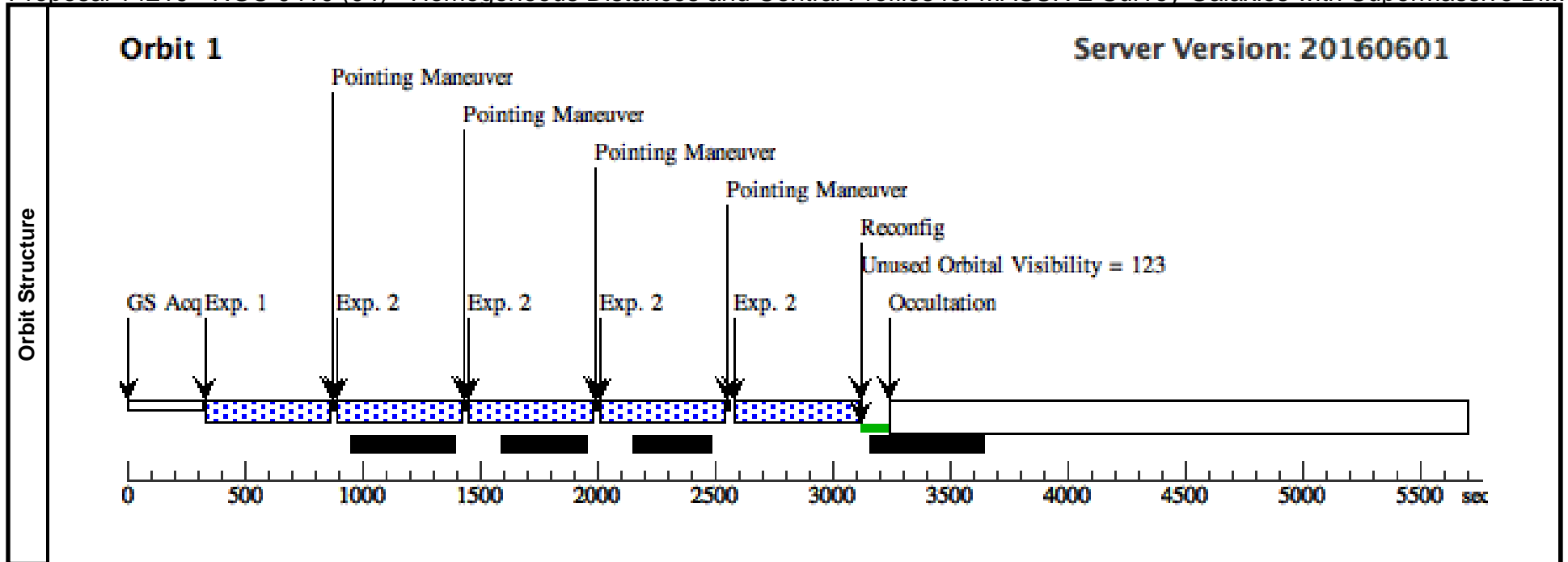
Visit	<b>Proposal 14219, NGC 0383 (03), scheduling</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: ORIENT 72D TO 240 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=1.7149 Line Spacing=1.1447	Coordinate Frame=POS-TARG Pattern Orientation=18.52845 Angle Between Sides=76.34268 Center Pattern=true		(2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	NGC-0383	RA: 01 07 24.9600 (16.8540000d) Dec: +32 24 45.20 (32.41256d) Equinox: J2000		V=(?) Htot = 8.76	Reference Frame: ICRS				
	<i>Comments: Extended=YES</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	WFC3/F110 W	(3) NGC-0383	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;				499.234285 Secs (499.234 Secs)
						NSAMP=15			[==>]	[1]
2	WFC3/F110 W	(3) NGC-0383	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;			Pattern 3, Exps 2-2 in NGC 0383 (03) (3)	499.234285 Secs (1996.937 Secs)	
						NSAMP=15			[==>(Pattern 1)]	
									[==>(Pattern 2)]	
									[==>(Pattern 3)]	
									[==>(Pattern 4)]	[1]



Proposal 14219 - NGC 0410 (04) - Homogeneous Distances and Central Profiles for MASSIVE Survey Galaxies with Supermassive Bl...

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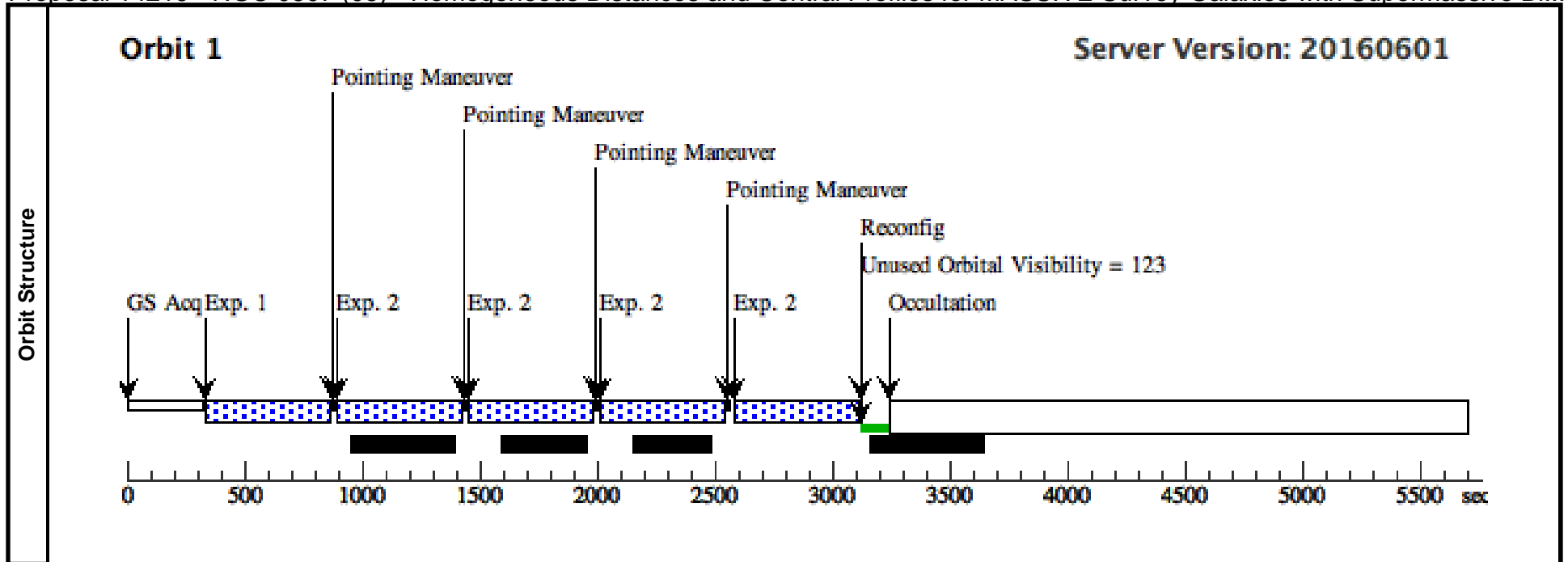
Visit	<b>Proposal 14219, NGC 0410 (04), completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: ORIENT 72D TO 240 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=1.7149 Line Spacing=1.1447	Coordinate Frame=POS-TARG Pattern Orientation=18.52845 Angle Between Sides=76.34268 Center Pattern=true		(2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(4)	NGC-0410	RA: 01 10 58.9000 (17.7454167d) Dec: +33 09 6.80 (33.15189d) Equinox: J2000		V=(?) Htot = 8.65	Reference Frame: ICRS				
	<i>Comments: Extended=YES</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	WFC3/F110 W	(4) NGC-0410	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;				499.234285 Secs (499.234 Secs)
						NSAMP=15			[==>]	[1]
	2	WFC3/F110 W	(4) NGC-0410	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;		Pattern 3, Exps 2-2 in NGC 0410 (04) (3)	499.234285 Secs (1996.937 Secs)	
						NSAMP=15			[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]



Proposal 14219 - NGC 0507 (05) - Homogeneous Distances and Central Profiles for MASSIVE Survey Galaxies with Supermassive Bl...

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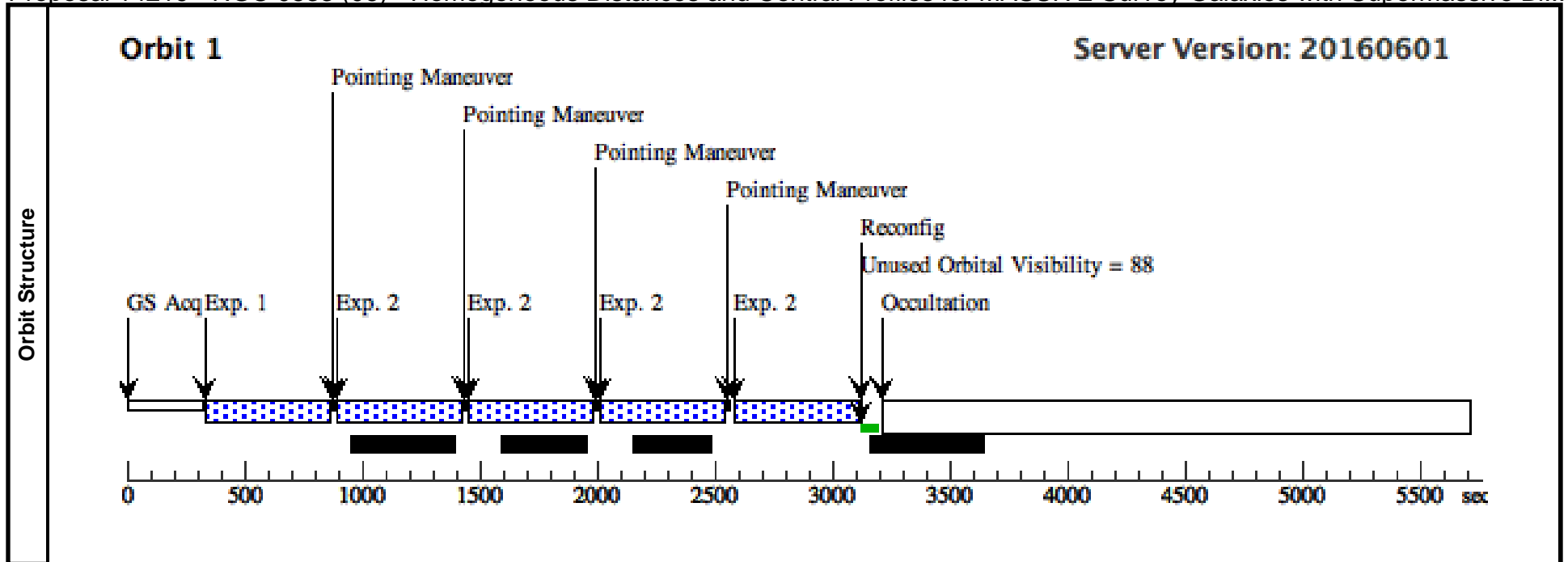
<b>Visit</b>	Proposal 14219, NGC 0507 (05), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ORIENT 71D TO 242 D										
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>				<b>Exposures</b>	
	(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=1.7149 Line Spacing=1.1447		Coordinate Frame=POS-TARG Pattern Orientation=18.52845 Angle Between Sides=76.34268 Center Pattern=true						(2)	
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>		<b>Miscellaneous</b>		
	(5)	NGC-0507	RA: 01 23 39.9100 (20.9162917d) Dec: +33 15 21.80 (33.25606d) Equinox: J2000				V=(?) Htot = 8.68		Reference Frame: ICRS		
<i>Comments: Extended=YES</i>											
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time (Total)/[Actual Dur.]</b>		<b>Orbit</b>
	1	WFC3/F110 W	(5) NGC-0507	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;			499.234285 Secs (499.234 Secs)		
							NSAMP=15			[==>]	[1]
2	WFC3/F110 W	(5) NGC-0507	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;			Pattern 3, Exps 2-2 in NGC 0507 (05) (3)	499.234285 Secs (1996.937 Secs)		
						NSAMP=15			[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
									[==>(Pattern 3)]		
									[==>(Pattern 4)]		



Proposal 14219 - NGC 0533 (06) - Homogeneous Distances and Central Profiles for MASSIVE Survey Galaxies with Supermassive Bl...

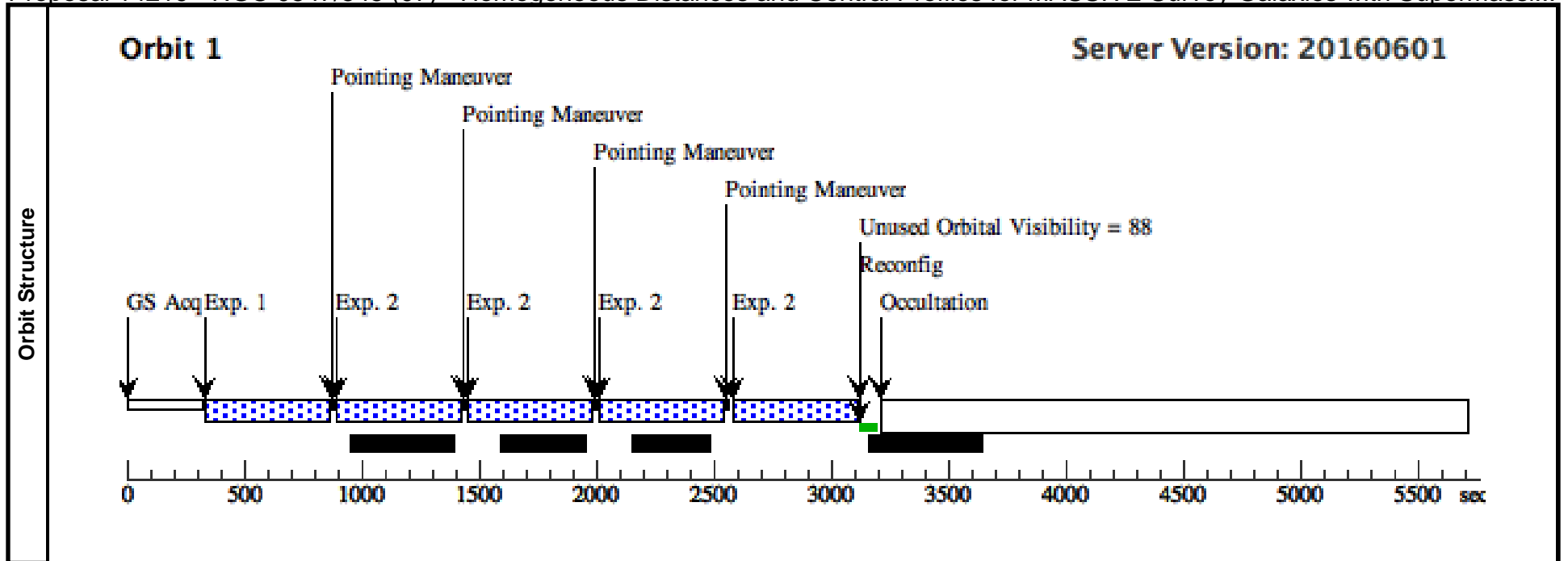
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Visit	<b>Proposal 14219, NGC 0533 (06), completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: ORIENT 255D TO 62 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=1.7149 Line Spacing=1.1447	Coordinate Frame=POS-TARG Pattern Orientation=18.52845 Angle Between Sides=76.34268 Center Pattern=true		(2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(6)	NGC-0533	RA: 01 25 31.3600 (21.3806667d) Dec: +01 45 32.80 (1.75911d) Equinox: J2000		V=(?) Htot = 8.71	Reference Frame: ICRS				
	<i>Comments: Extended=YES</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	WFC3/F110 W	(6) NGC-0533	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50; NSAMP=15				499.234285 Secs (499.234 Secs) [==>]
2	WFC3/F110 W	(6) NGC-0533	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50; NSAMP=15			Pattern 3, Exps 2-2 in NGC 0533 (06) (3)	499.234285 Secs (1996.937 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]



Proposal 14219 - NGC 0547/545 (07) - Homogeneous Distances and Central Profiles for MASSIVE Survey Galaxies with Supermassi...

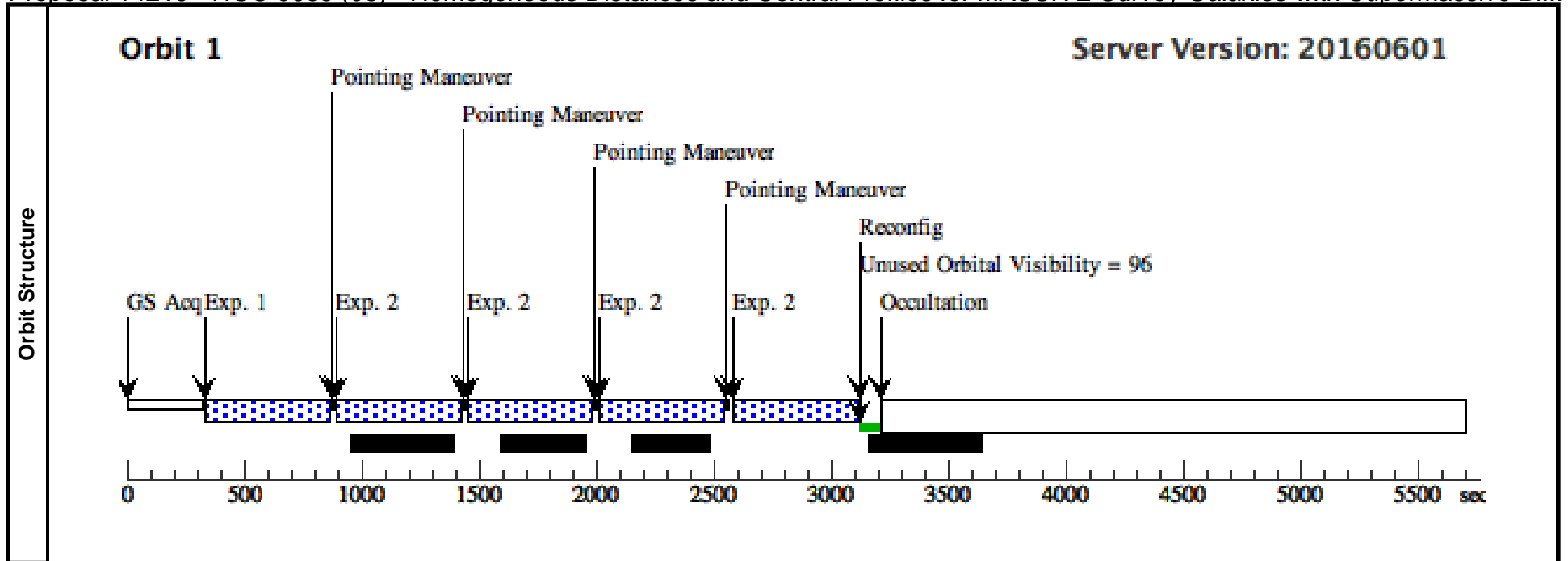
<b>Visit</b>	Proposal 14219, NGC 0547/545 (07), completed <span style="float: right;">Wed Sep 07 21:11:42 GMT 2016</span> Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ORIENT 260D TO 60 D									
	<b>Patterns</b>	#	Primary Pattern	Secondary Pattern	Exposures					
	(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=1.7149 Line Spacing=1.1447	Coordinate Frame=POS-TARG Pattern Orientation=18.52845 Angle Between Sides=76.34268 Center Pattern=true		(2)					
<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(7)	NGC-0547	RA: 01 26 0.1540 (21.5006417d) Dec: -01 20 36.54 (-1.34348d) Equinox: J2000		V=(?) Htot = 8.76	Reference Frame: ICRS				
	<i>Comments: Extended=YES</i>									
<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	WFC3/F110 W	(7) NGC-0547	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;			499.234285 Secs (499.234 Secs)	
						NSAMP=15			[==>]	[1]
	2	WFC3/F110 W	(7) NGC-0547	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;		Pattern 3, Exps 2-2 in NGC 0547/545 (07) (3)	499.234285 Secs (1996.937 Secs)	
						NSAMP=15			[==>(Pattern 1)]	
									[==>(Pattern 2)]	
									[==>(Pattern 3)]	[1]
									[==>(Pattern 4)]	



Proposal 14219 - NGC 0665 (08) - Homogeneous Distances and Central Profiles for MASSIVE Survey Galaxies with Supermassive Bl...

Wed Sep 07 21:11:42 GMT 2016

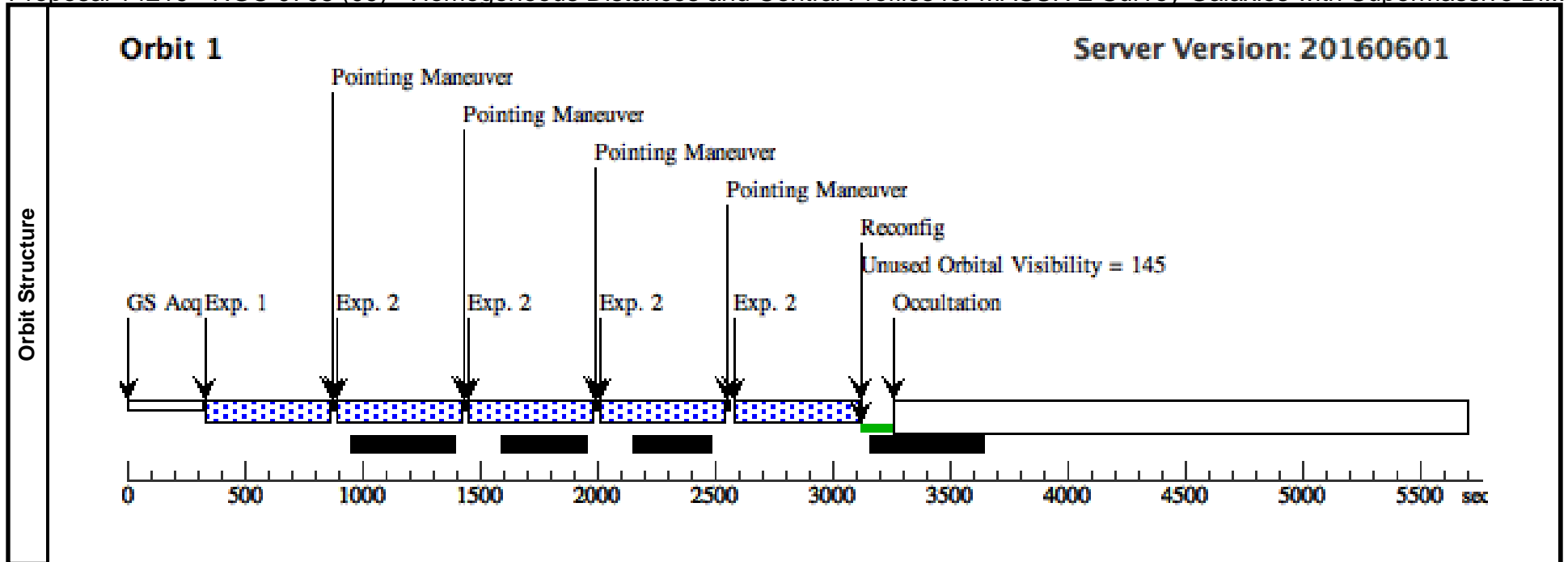
Visit	<b>Proposal 14219, NGC 0665 (08), scheduling</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: ORIENT 257D TO 60 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=1.7149 Line Spacing=1.1447	Coordinate Frame=POS-TARG Pattern Orientation=18.52845 Angle Between Sides=76.34268 Center Pattern=true		(2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(8)	NGC-0665	RA: 01 44 56.1000 (26.2337500d) Dec: +10 25 22.90 (10.42303d) Equinox: J2000		V=(?) Htot = 9.05	Reference Frame: ICRS				
	<i>Comments: Extended=YES</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	WFC3/F110 W	(8) NGC-0665	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;				499.234285 Secs (499.234 Secs)
						NSAMP=15			[==>]	[1]
2	WFC3/F110 W	(8) NGC-0665	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;			Pattern 3, Exps 2-2 in NGC 0665 (08) (3)	499.234285 Secs (1996.937 Secs)	
						NSAMP=15			[==>(Pattern 1)]	
									[==>(Pattern 2)]	
									[==>(Pattern 3)]	
									[==>(Pattern 4)]	[1]



Proposal 14219 - NGC 0708 (09) - Homogeneous Distances and Central Profiles for MASSIVE Survey Galaxies with Supermassive Bl...

Wed Sep 07 21:11:42 GMT 2016

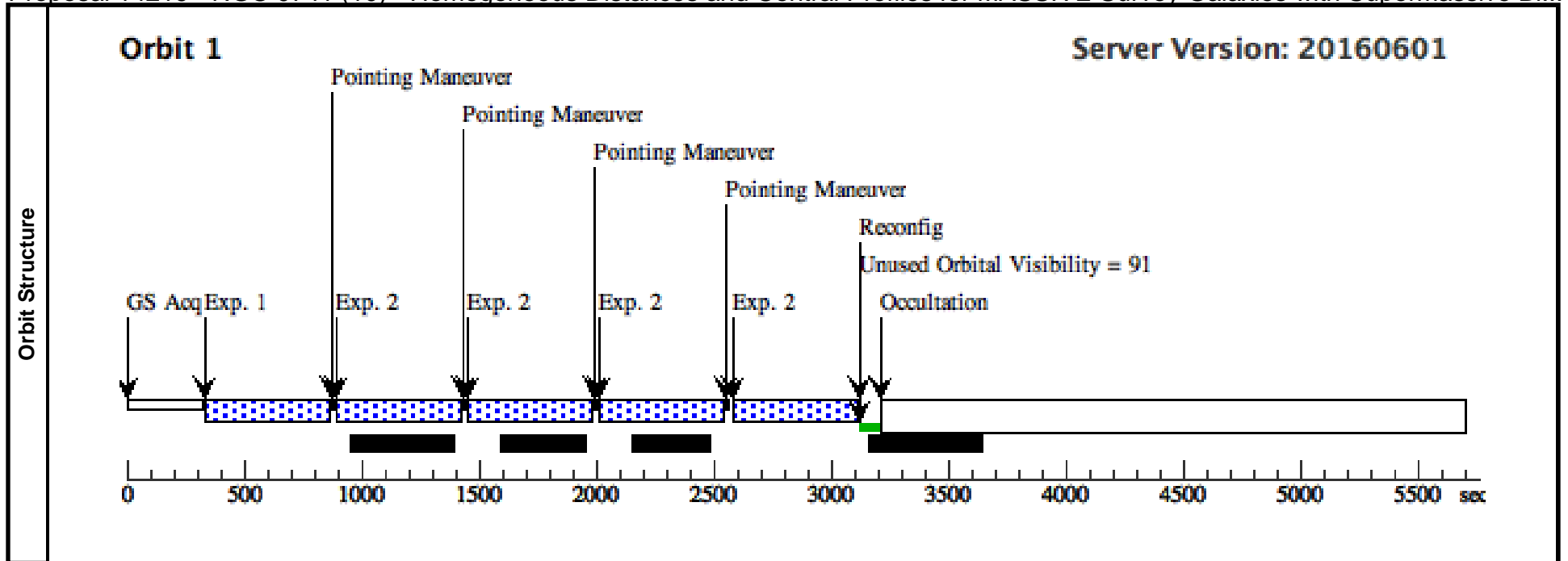
<b>Visit</b>	Proposal 14219, NGC 0708 (09), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ORIENT 70D TO 240 D									
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>	<b>Secondary Pattern</b>	<b>Exposures</b>						
	(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=1.7149 Line Spacing=1.1447	Coordinate Frame=POS-TARG Pattern Orientation=18.52845 Angle Between Sides=76.34268 Center Pattern=true		(2)					
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(9)	NGC-0708	RA: 01 52 46.4800 (28.1936667d) Dec: +36 09 6.60 (36.15183d) Equinox: J2000		V=(?) Htot = 8.69	Reference Frame: ICRS				
	<i>Comments: Extended=YES</i>									
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time (Total)/[Actual Dur.]</b>	<b>Orbit</b>
	1	WFC3/F110 W	(9) NGC-0708	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;			499.234285 Secs (499.234 Secs)	
							NSAMP=15		[==>]	[1]
2	WFC3/F110 W	(9) NGC-0708	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;			Pattern 3, Exps 2-2 in NGC 0708 (09) (3)	499.234285 Secs (1996.937 Secs)	
						NSAMP=15			[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]



Proposal 14219 - NGC 0741 (10) - Homogeneous Distances and Central Profiles for MASSIVE Survey Galaxies with Supermassive Bl...

Wed Sep 07 21:11:42 GMT 2016

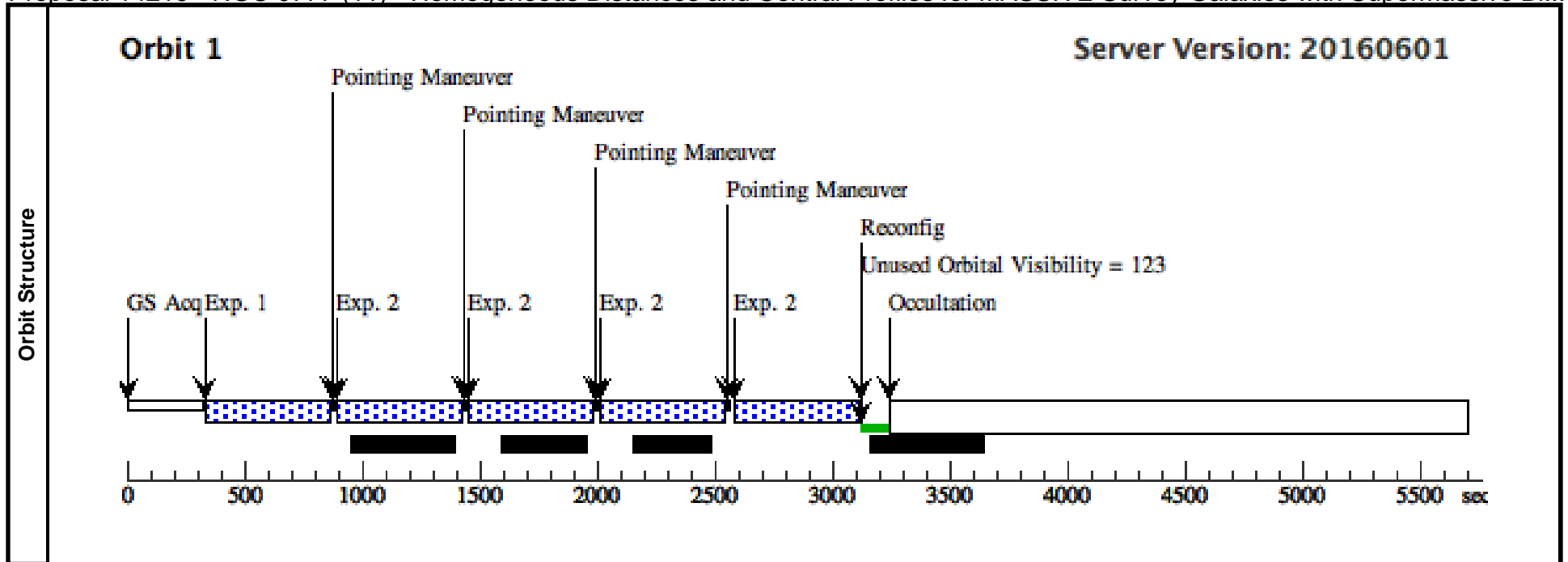
Visit	<b>Proposal 14219, NGC 0741 (10), scheduling</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: ORIENT 260D TO 60 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=1.7149 Line Spacing=1.1447	Coordinate Frame=POS-TARG Pattern Orientation=18.52845 Angle Between Sides=76.34268 Center Pattern=true		(2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(10)	NGC-0741	RA: 01 56 21.0300 (29.0876250d) Dec: +05 37 44.20 (5.62894d) Equinox: J2000		V=(?) Htot = 8.53	Reference Frame: ICRS				
	<i>Comments: Extended=YES</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	WFC3/F110 W	(10) NGC-0741	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;				499.234285 Secs (499.234 Secs)
						NSAMP=15			[==>]	[1]
2	WFC3/F110 W	(10) NGC-0741	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;			Pattern 3, Exps 2-2 in NGC 0741 (10) (3)	499.234285 Secs (1996.937 Secs)	
						NSAMP=15			[==>(Pattern 1)]	
									[==>(Pattern 2)]	
									[==>(Pattern 3)]	
									[==>(Pattern 4)]	[1]



Proposal 14219 - NGC 0777 (11) - Homogeneous Distances and Central Profiles for MASSIVE Survey Galaxies with Supermassive Bl...

Wed Sep 07 21:11:42 GMT 2016

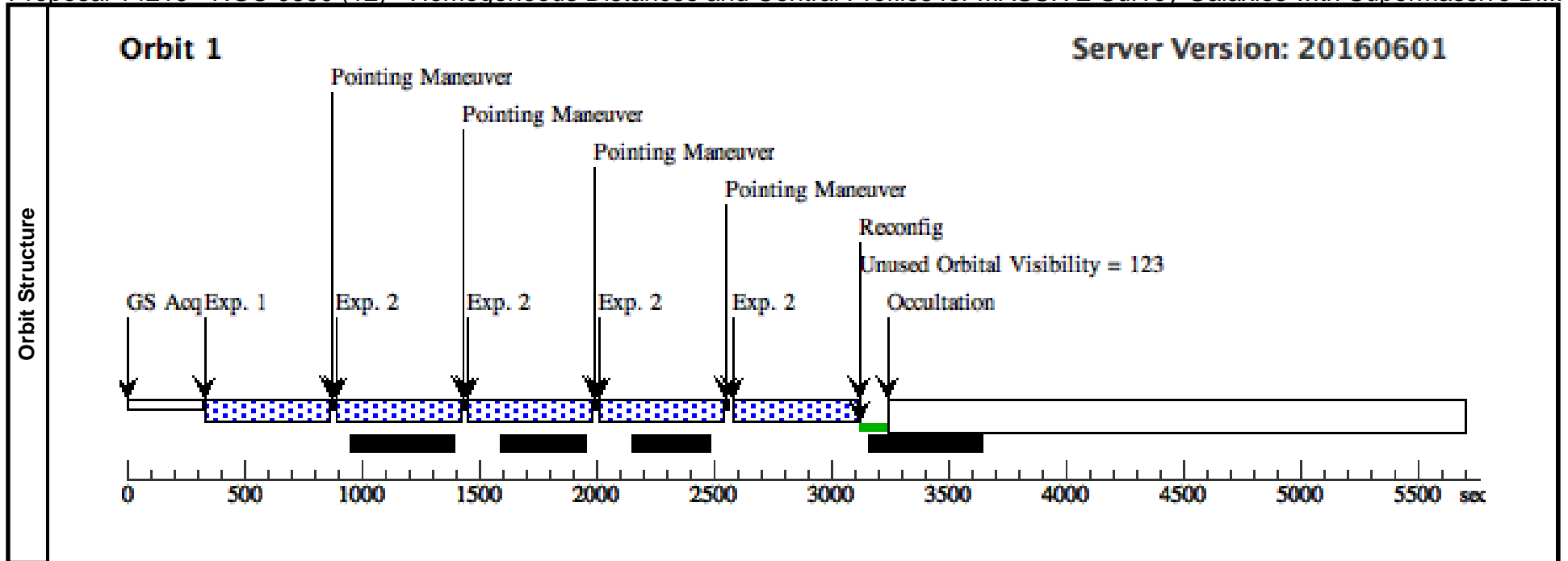
Visit	<b>Proposal 14219, NGC 0777 (11), completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: ORIENT 75D TO 240 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=1.7149 Line Spacing=1.1447	Coordinate Frame=POS-TARG Pattern Orientation=18.52845 Angle Between Sides=76.34268 Center Pattern=true		(2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(11)	NGC-0777	RA: 02 00 14.9000 (30.0620833d) Dec: +31 25 46.50 (31.42958d) Equinox: J2000		V=(?) Htot = 8.66	Reference Frame: ICRS				
	<i>Comments: Extended=YES</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	WFC3/F110 W	(11) NGC-0777	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;				499.234285 Secs (499.234 Secs)
						NSAMP=15			[==>]	[1]
	2	WFC3/F110 W	(11) NGC-0777	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;		Pattern 3, Exps 2-2 in NGC 0777 (11) (3)	499.234285 Secs (1996.937 Secs)	
						NSAMP=15			[==>(Pattern 1)]	
									[==>(Pattern 2)]	
									[==>(Pattern 3)]	
									[==>(Pattern 4)]	[1]



Proposal 14219 - NGC 0890 (12) - Homogeneous Distances and Central Profiles for MASSIVE Survey Galaxies with Supermassive Bl...

Wed Sep 07 21:11:42 GMT 2016

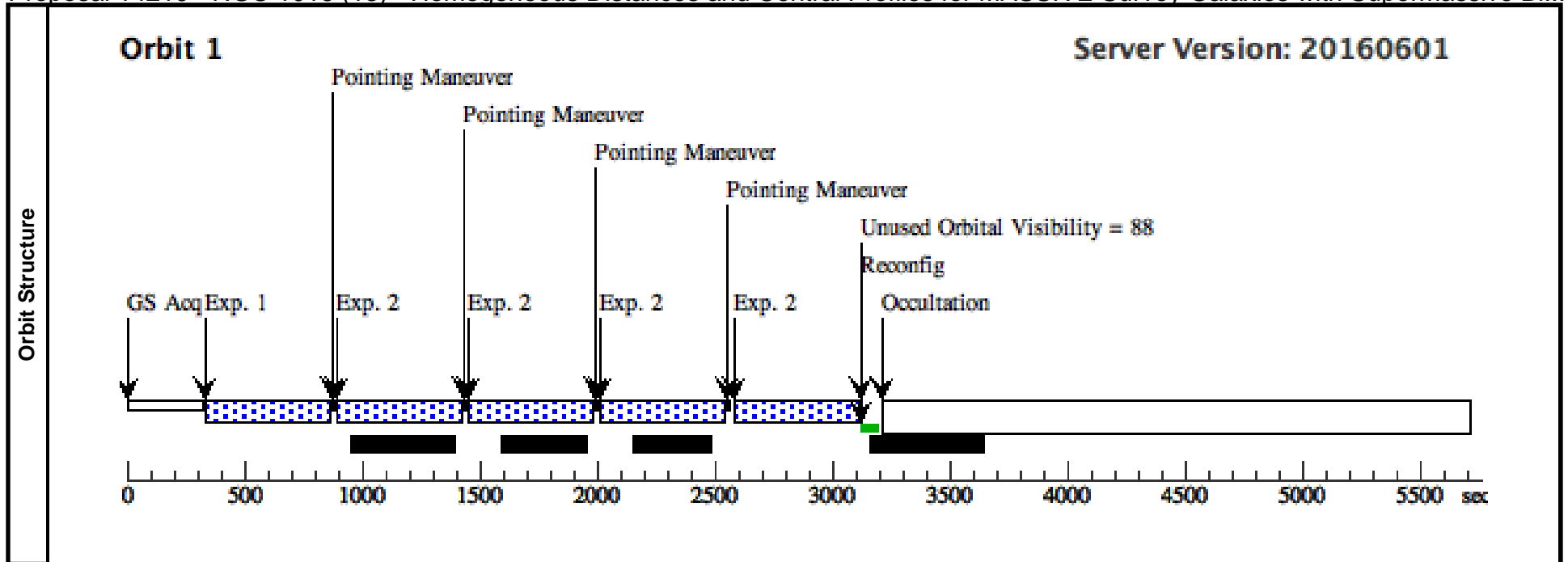
Visit	<b>Proposal 14219, NGC 0890 (12), completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: ORIENT 76D TO 240 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=1.7149 Line Spacing=1.1447	Coordinate Frame=POS-TARG Pattern Orientation=18.52845 Angle Between Sides=76.34268 Center Pattern=true		(2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(12)	NGC-0890	RA: 02 22 1.0100 (35.5042083d) Dec: +33 15 57.80 (33.26606d) Equinox: J2000		V=(?) Htot = 8.48	Reference Frame: ICRS				
	<i>Comments: Extended=YES</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	WFC3/F110 W	(12) NGC-0890	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;				499.234285 Secs (499.234 Secs)
						NSAMP=15			[==>]	[1]
	2	WFC3/F110 W	(12) NGC-0890	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;		Pattern 3, Exps 2-2 in NGC 0890 (12) (3)	499.234285 Secs (1996.937 Secs)	
						NSAMP=15			[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]



Proposal 14219 - NGC 1016 (13) - Homogeneous Distances and Central Profiles for MASSIVE Survey Galaxies with Supermassive Bl...

Wed Sep 07 21:11:42 GMT 2016

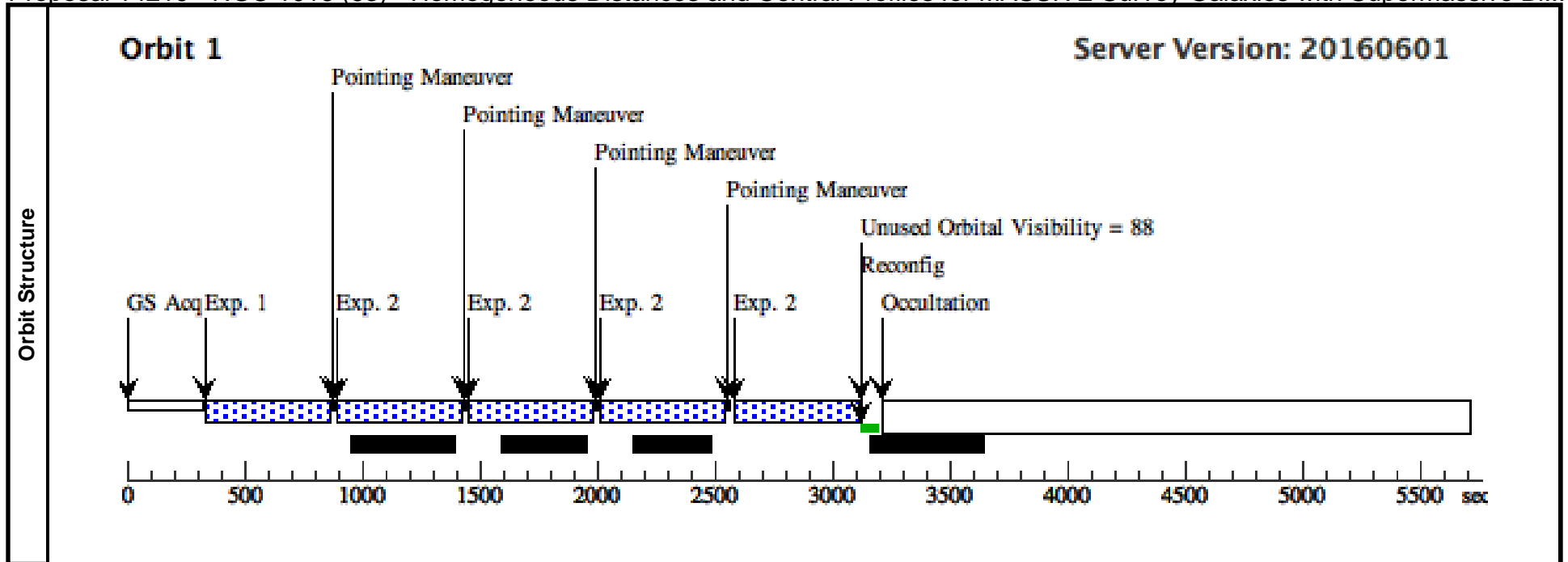
Visit	<b>Proposal 14219, NGC 1016 (13), scheduled</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: ORIENT 260D TO 49 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=1.7149 Line Spacing=1.1447	Coordinate Frame=POS-TARG Pattern Orientation=18.52845 Angle Between Sides=76.34268 Center Pattern=true		(2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(13)	NGC-1016	RA: 02 38 19.5600 (39.5815000d) Dec: +02 07 9.30 (2.11925d) Equinox: J2000		V=(?) Htot = 8.84	Reference Frame: ICRS				
	<i>Comments: Extended=YES</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	WFC3/F110 W	(13) NGC-1016	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;				499.234285 Secs (499.234 Secs)
						NSAMP=15			[==>]	[1]
2	WFC3/F110 W	(13) NGC-1016	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;			Pattern 3, Exps 2-2 in NGC 1016 (13) (3)	499.234285 Secs (1996.937 Secs)	
						NSAMP=15			[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]



Proposal 14219 - NGC 1016 (63) - Homogeneous Distances and Central Profiles for MASSIVE Survey Galaxies with Supermassive Bl...

Wed Sep 07 21:11:42 GMT 2016

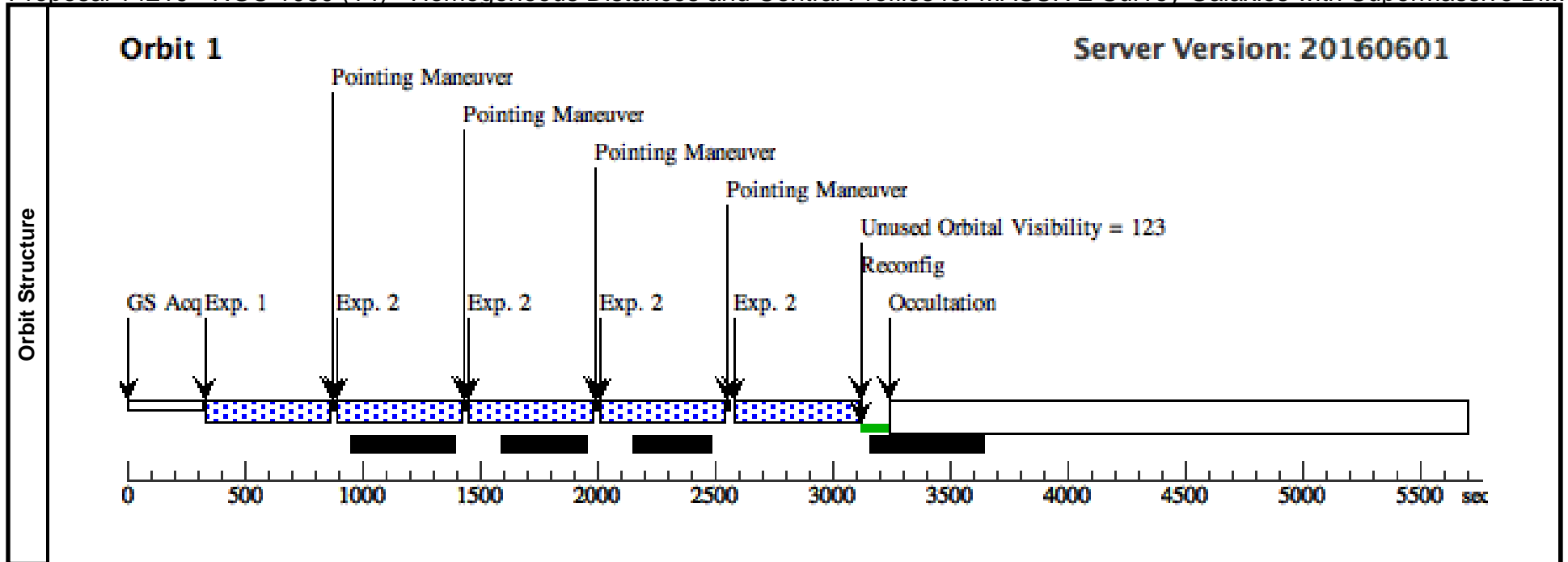
<b>Visit</b>	<b>Proposal 14219, NGC 1016 (63)</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: ORIENT 260D TO 49 D Comments: Duplicate of visit 13 lost during HST safing on 7/31/16									
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			<b>Exposures</b>
(3)		Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=1.7149 Line Spacing=1.1447		Coordinate Frame=POS-TARG Pattern Orientation=18.52845 Angle Between Sides=76.34268 Center Pattern=true					(2)	
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>		<b>Miscellaneous</b>	
	(13)	NGC-1016	RA: 02 38 19.5600 (39.5815000d) Dec: +02 07 9.30 (2.11925d) Equinox: J2000				V=(?) Htot = 8.84		Reference Frame: ICRS	
Comments: Extended=YES										
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time (Total)/[Actual Dur.]</b>	<b>Orbit</b>
	1	WFC3/F110 W	(13) NGC-1016	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;			499.234285 Secs (499.234 Secs)	
						NSAMP=15			[==>]	[1]
2	WFC3/F110 W	(13) NGC-1016	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;			Pattern 3, Exps 2-2 in NGC 1016 (63) (3)	499.234285 Secs (1996.937 Secs)	
					NSAMP=15				[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]



Proposal 14219 - NGC 1060 (14) - Homogeneous Distances and Central Profiles for MASSIVE Survey Galaxies with Supermassive Bl...

Wed Sep 07 21:11:42 GMT 2016

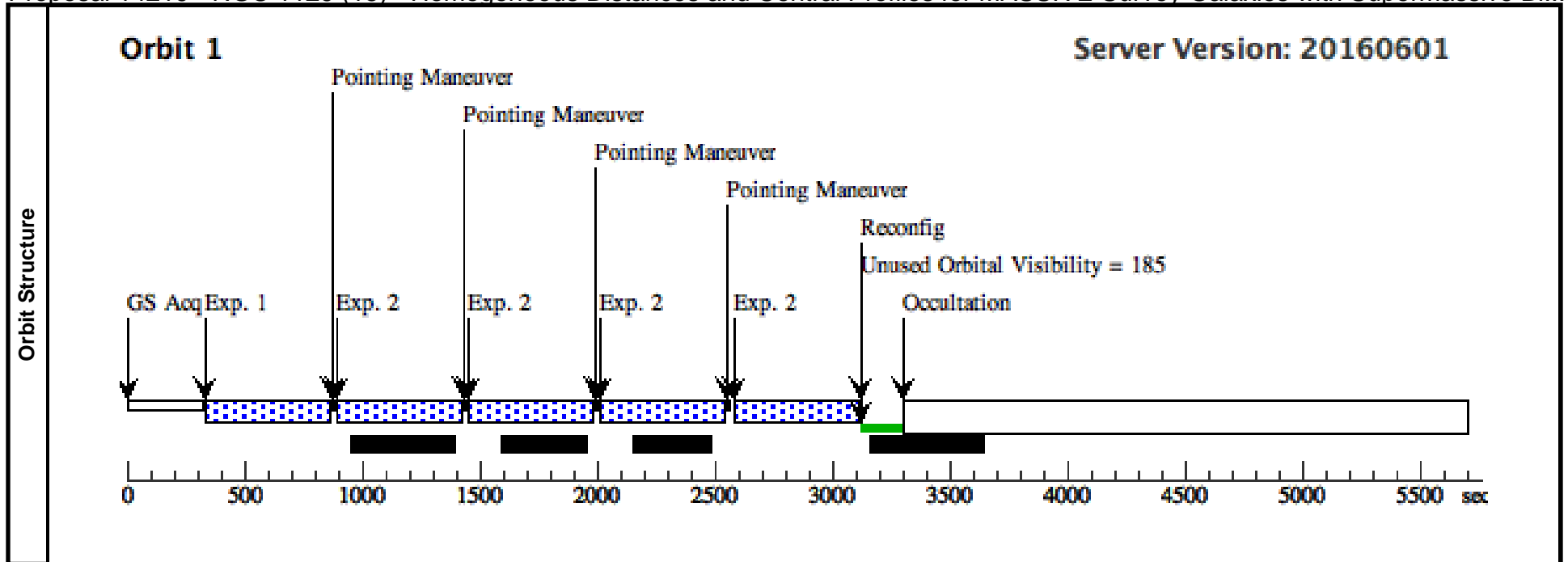
Visit	<b>Proposal 14219, NGC 1060 (14), completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: ORIENT 80D TO 242 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=1.7149 Line Spacing=1.1447	Coordinate Frame=POS-TARG Pattern Orientation=18.52845 Angle Between Sides=76.34268 Center Pattern=true		(2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(14)	NGC-1060	RA: 02 43 15.0500 (40.8127083d) Dec: +32 25 29.90 (32.42497d) Equinox: J2000		V=(?) Htot = 8.48	Reference Frame: ICRS				
	<i>Comments: Extended=YES</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	WFC3/F110 W	(14) NGC-1060	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;				499.234285 Secs (499.234 Secs)
						NSAMP=15			[==>]	[1]
2	WFC3/F110 W	(14) NGC-1060	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;			Pattern 3, Exps 2-2 in NGC 1060 (14) (3)	499.234285 Secs (1996.937 Secs)	
						NSAMP=15			[==>(Pattern 1)]	
									[==>(Pattern 2)]	
									[==>(Pattern 3)]	
									[==>(Pattern 4)]	[1]



Proposal 14219 - NGC 1129 (15) - Homogeneous Distances and Central Profiles for MASSIVE Survey Galaxies with Supermassive Bl...

Wed Sep 07 21:11:42 GMT 2016

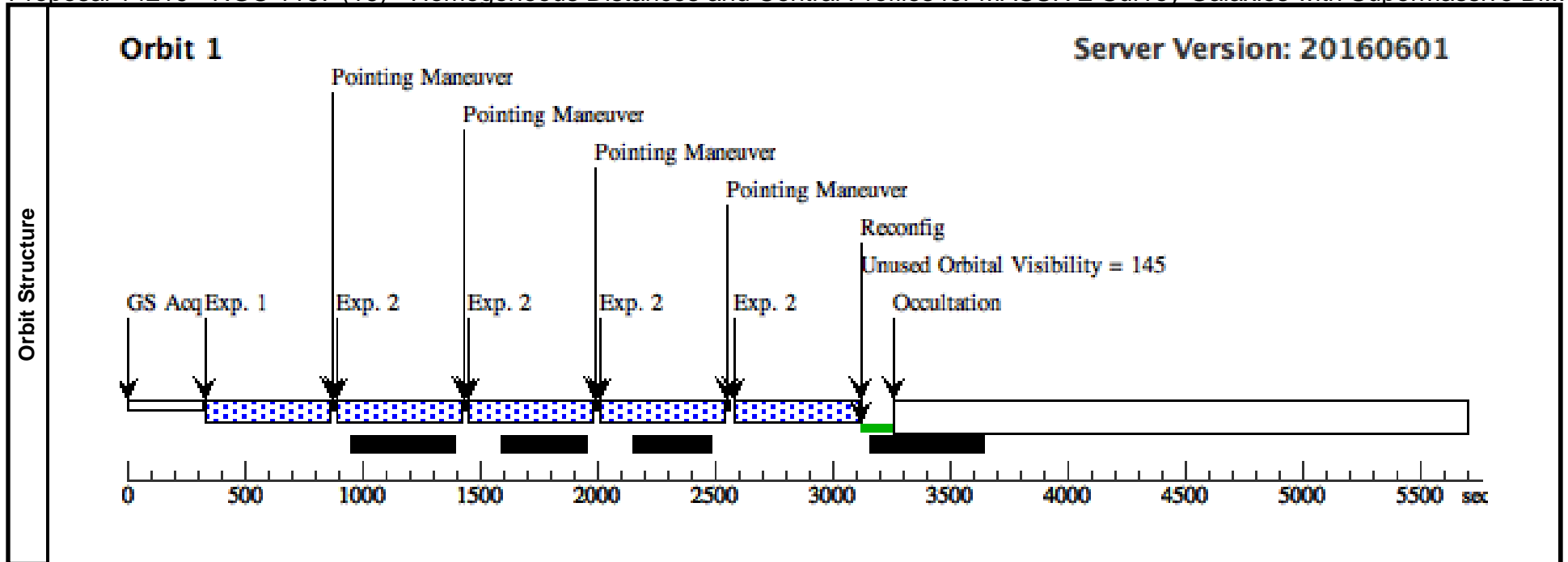
Visit	<b>Proposal 14219, NGC 1129 (15), completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: ORIENT 76D TO 245 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=1.7149 Line Spacing=1.1447	Coordinate Frame=POS-TARG Pattern Orientation=18.52845 Angle Between Sides=76.34268 Center Pattern=true		(2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(15)	NGC-1129	RA: 02 54 27.3800 (43.6140833d) Dec: +41 34 46.50 (41.57958d) Equinox: J2000		V=(?) Htot = 8.55	Reference Frame: ICRS				
	<i>Comments: Extended=YES</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	WFC3/F110 W	(15) NGC-1129	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;				499.234285 Secs (499.234 Secs)
						NSAMP=15			[==>]	[1]
2	WFC3/F110 W	(15) NGC-1129	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;			Pattern 3, Exps 2-2 in NGC 1129 (15) (3)	499.234285 Secs (1996.937 Secs)	
						NSAMP=15			[==>(Pattern 1)]	
									[==>(Pattern 2)]	
									[==>(Pattern 3)]	
									[==>(Pattern 4)]	[1]



Proposal 14219 - NGC 1167 (16) - Homogeneous Distances and Central Profiles for MASSIVE Survey Galaxies with Supermassive Bl...

Wed Sep 07 21:11:42 GMT 2016

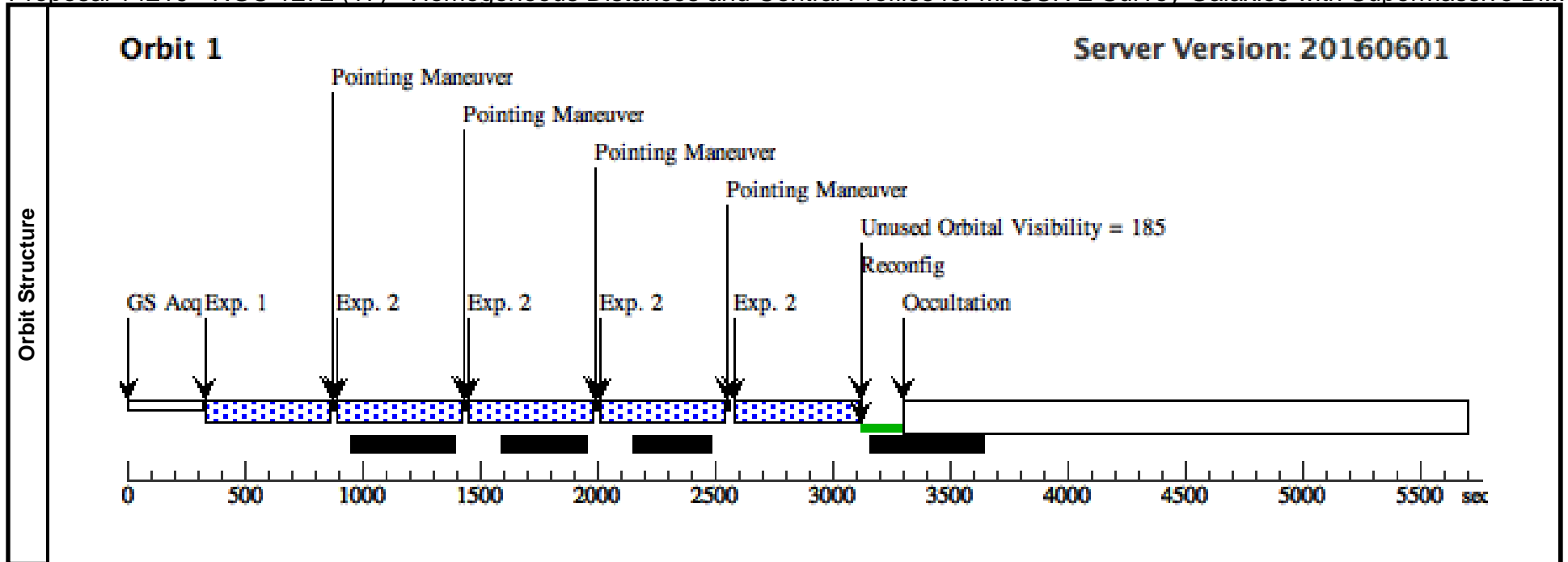
Visit	<b>Proposal 14219, NGC 1167 (16), completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: ORIENT 80D TO 248 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=1.7149 Line Spacing=1.1447	Coordinate Frame=POS-TARG Pattern Orientation=18.52845 Angle Between Sides=76.34268 Center Pattern=true		(2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(16)	NGC-1167	RA: 03 01 42.3700 (45.4265417d) Dec: +35 12 20.70 (35.20575d) Equinox: J2000		V=(?) Htot = 8.84	Reference Frame: ICRS				
	<i>Comments: Extended=YES</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	WFC3/F110 W	(16) NGC-1167	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;				499.234285 Secs (499.234 Secs)
						NSAMP=15			[==>]	[1]
2	WFC3/F110 W	(16) NGC-1167	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;			Pattern 3, Exps 2-2 in NGC 1167 (16) (3)	499.234285 Secs (1996.937 Secs)	
						NSAMP=15			[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]



Proposal 14219 - NGC 1272 (17) - Homogeneous Distances and Central Profiles for MASSIVE Survey Galaxies with Supermassive Bl...

Wed Sep 07 21:11:42 GMT 2016

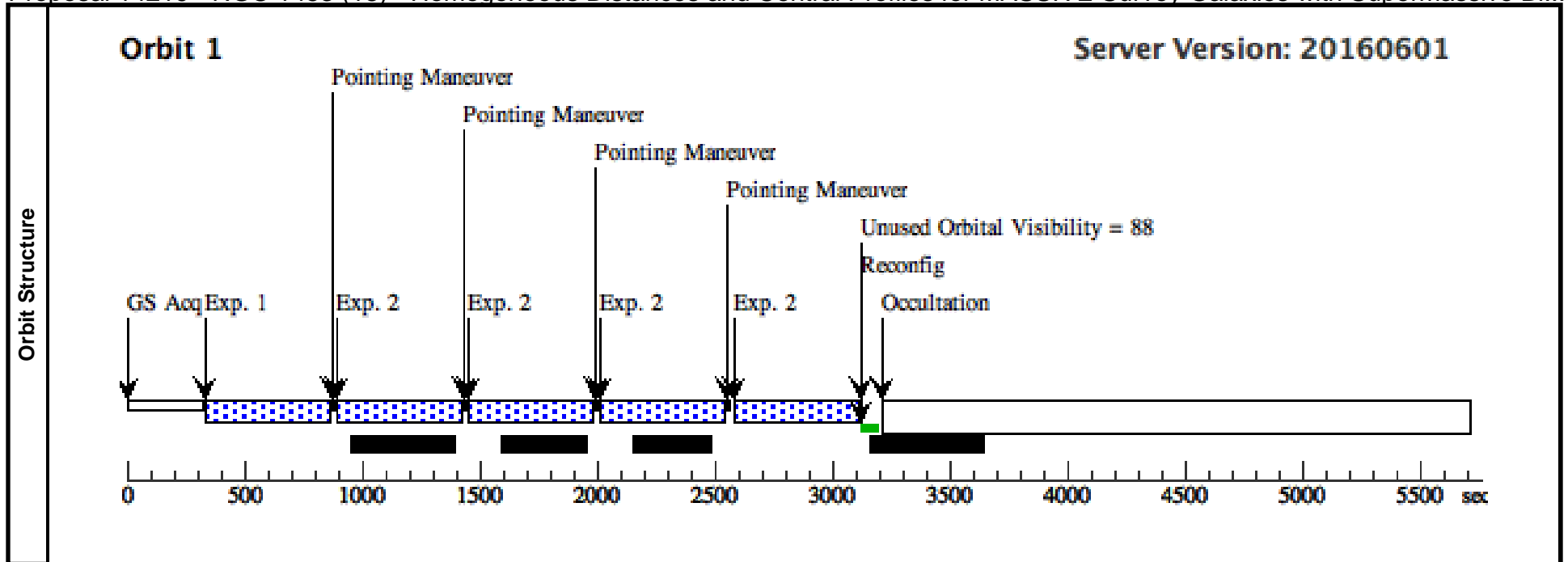
Visit	<b>Proposal 14219, NGC 1272 (17), completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: ORIENT 80D TO 249 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=1.7149 Line Spacing=1.1447	Coordinate Frame=POS-TARG Pattern Orientation=18.52845 Angle Between Sides=76.34268 Center Pattern=true		(2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(17)	NGC-1272	RA: 03 19 21.2900 (49.8387083d) Dec: +41 29 26.30 (41.49064d) Equinox: J2000		V=(?) Htot = 8.99	Reference Frame: ICRS				
	<i>Comments: Extended=YES</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	WFC3/F110 W	(17) NGC-1272	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;				499.234285 Secs (499.234 Secs)
						NSAMP=15			[==>]	[1]
2	WFC3/F110 W	(17) NGC-1272	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;			Pattern 3, Exps 2-2 in NGC 1272 (17) (3)	499.234285 Secs (1996.937 Secs)	
						NSAMP=15			[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]



Proposal 14219 - NGC 1453 (18) - Homogeneous Distances and Central Profiles for MASSIVE Survey Galaxies with Supermassive Bl...

Wed Sep 07 21:11:42 GMT 2016

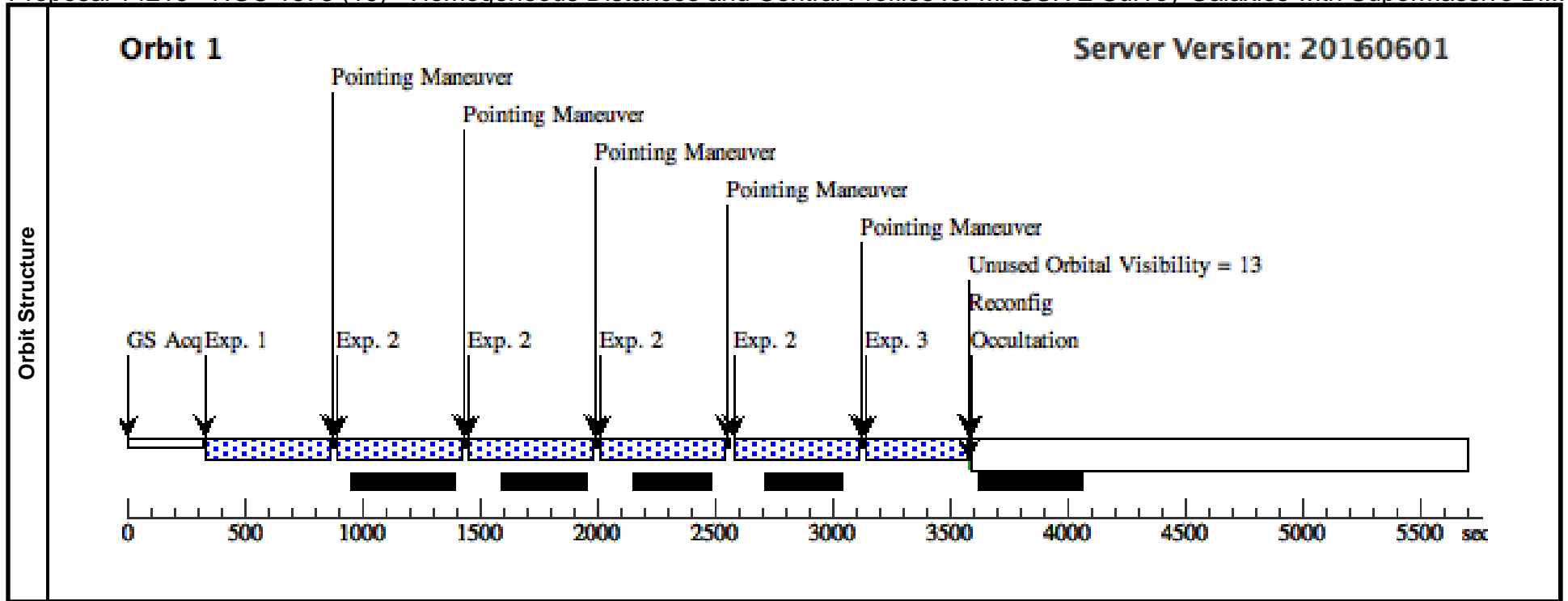
Visit	<b>Proposal 14219, NGC 1453 (18), scheduling</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: ORIENT 260D TO 72 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=1.7149 Line Spacing=1.1447	Coordinate Frame=POS-TARG Pattern Orientation=18.52845 Angle Between Sides=76.34268 Center Pattern=true		(2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(18)	NGC-1453	RA: 03 46 27.2500 (56.6135417d) Dec: -03 58 7.60 (-3.96878d) Equinox: J2000		V=(?) Htot = 8.43	Reference Frame: ICRS				
	<i>Comments: Extended=YES</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	WFC3/F110 W	(18) NGC-1453	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;				499.234285 Secs (499.234 Secs)
						NSAMP=15			[==>]	[1]
2	WFC3/F110 W	(18) NGC-1453	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;			Pattern 3, Exps 2-2 in NGC 1453 (18) (3)	499.234285 Secs (1996.937 Secs)	
						NSAMP=15			[==>(Pattern 1)]	
									[==>(Pattern 2)]	
									[==>(Pattern 3)]	
									[==>(Pattern 4)]	[1]



Proposal 14219 - NGC 1573 (19) - Homogeneous Distances and Central Profiles for MASSIVE Survey Galaxies with Supermassive Bl...

Wed Sep 07 21:11:42 GMT 2016

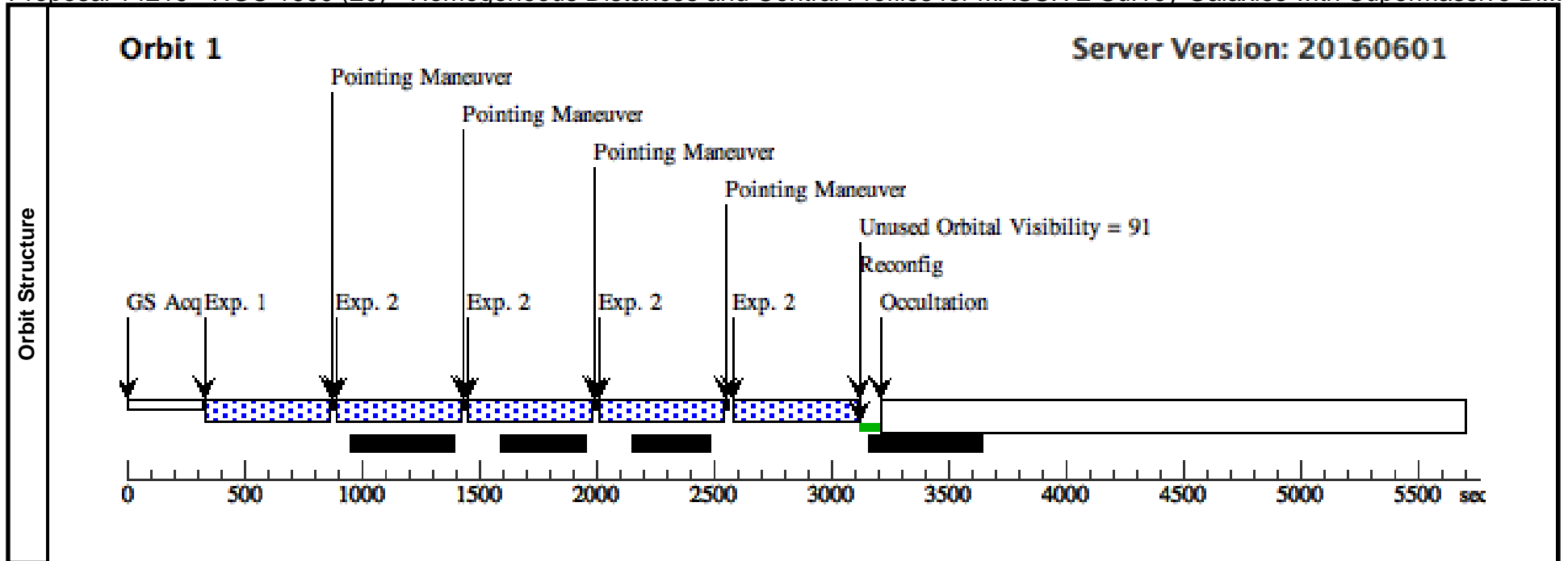
Visit	<b>Proposal 14219, NGC 1573 (19), completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=1.7149 Line Spacing=1.1447	Coordinate Frame=POS-TARG Pattern Orientation=18.52845 Angle Between Sides=76.34268 Center Pattern=true		(2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(19)	NGC-1573	RA: 04 35 3.9900 (68.7666250d) Dec: +73 15 44.70 (73.26242d) Equinox: J2000		V=(?) Htot = 8.85	Reference Frame: ICRS				
	<i>Comments: Extended=YES</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	WFC3/F110 W	(19) NGC-1573	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP5 0;			499.234285 Secs (499.234 Secs)	
						NSAMP=15			[==>]	[1]
	2	WFC3/F110 W	(19) NGC-1573	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP5 0;		Pattern 3, Exps 2-2 in NGC 1573 (19) (3)	499.234285 Secs (1996.937 Secs)	
					NSAMP=15			[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]	
3	WFC3/F110 W	(19) NGC-1573	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP5 0;	POS TARG -0.271,-0.484		399.233383 Secs (399.233 Secs)		
					NSAMP=13			[==>]	[1]	



Proposal 14219 - NGC 1600 (20) - Homogeneous Distances and Central Profiles for MASSIVE Survey Galaxies with Supermassive Bl...

Wed Sep 07 21:11:42 GMT 2016

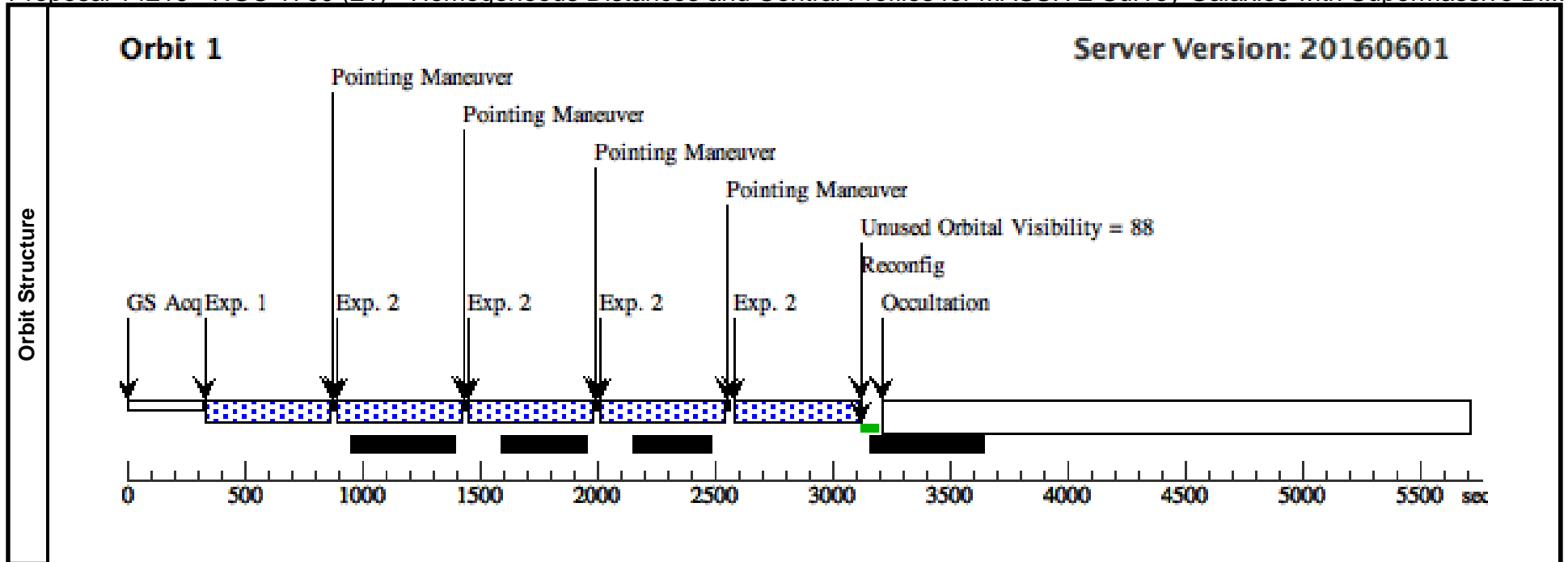
Visit	<b>Proposal 14219, NGC 1600 (20), scheduling</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: ORIENT 267D TO 75 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=1.7149 Line Spacing=1.1447	Coordinate Frame=POS-TARG Pattern Orientation=18.52845 Angle Between Sides=76.34268 Center Pattern=true		(2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(20)	NGC-1600	RA: 04 31 39.9400 (67.9164167d) Dec: -05 05 10.50 (-5.08625d) Equinox: J2000		V=(?) Htot = 8.34	Reference Frame: ICRS				
	<i>Comments: Extended=YES</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	WFC3/F110 W	(20) NGC-1600	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;				499.234285 Secs (499.234 Secs)
						NSAMP=15			[==>]	[1]
2	WFC3/F110 W	(20) NGC-1600	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;			Pattern 3, Exps 2-2 in NGC 1600 (20) (3)	499.234285 Secs (1996.937 Secs)	
						NSAMP=15			[==>(Pattern 1)]	
									[==>(Pattern 2)]	
									[==>(Pattern 3)]	
									[==>(Pattern 4)]	[1]



Proposal 14219 - NGC 1700 (21) - Homogeneous Distances and Central Profiles for MASSIVE Survey Galaxies with Supermassive Bl...

Wed Sep 07 21:11:42 GMT 2016

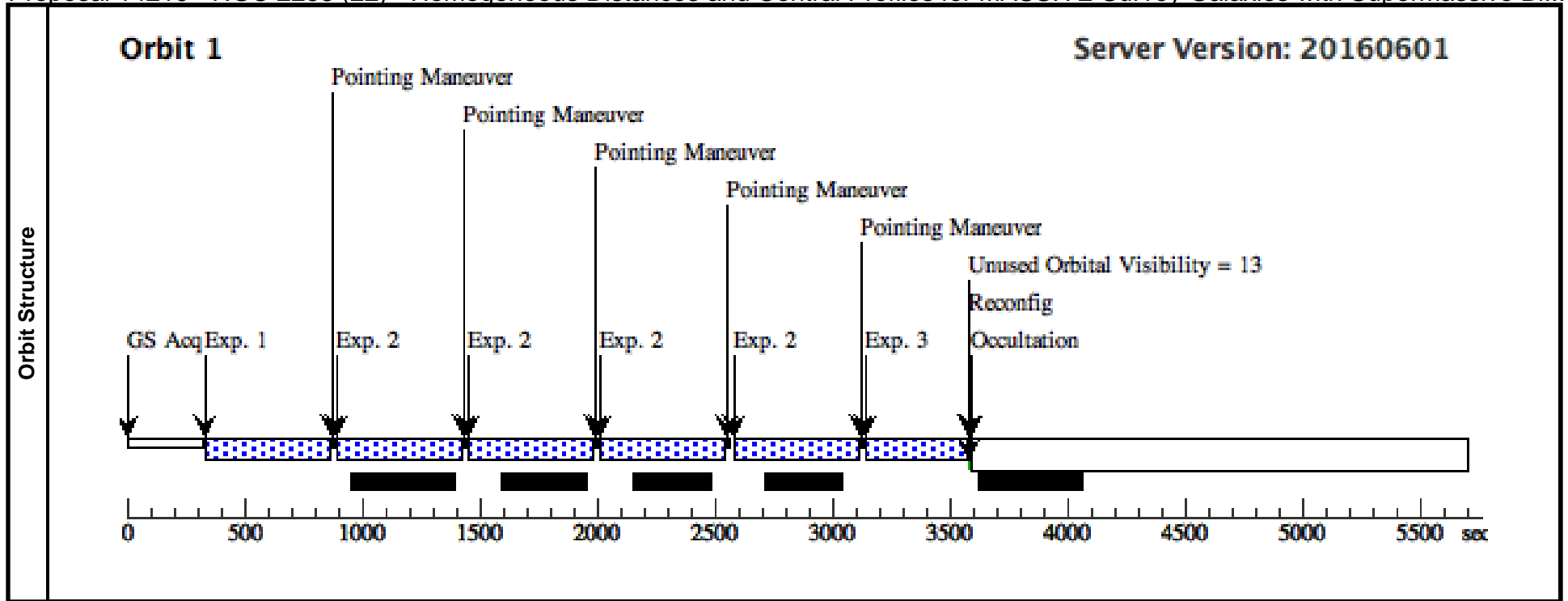
Visit	<b>Proposal 14219, NGC 1700 (21), scheduling</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: ORIENT 268D TO 80 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=1.7149 Line Spacing=1.1447	Coordinate Frame=POS-TARG Pattern Orientation=18.52845 Angle Between Sides=76.34268 Center Pattern=true		(2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(21)	NGC-1700	RA: 04 56 56.3100 (74.2346250d) Dec: -04 51 56.80 (-4.86578d) Equinox: J2000		V=(?) Htot = 8.32	Reference Frame: ICRS				
	<i>Comments: Extended=YES</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	WFC3/F110 W	(21) NGC-1700	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;				499.234285 Secs (499.234 Secs)
						NSAMP=15			[==>]	[1]
	2	WFC3/F110 W	(21) NGC-1700	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;		Pattern 3, Exps 2-2 in NGC 1700 (21) (3)	499.234285 Secs (1996.937 Secs)	
						NSAMP=15			[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]



Proposal 14219 - NGC 2258 (22) - Homogeneous Distances and Central Profiles for MASSIVE Survey Galaxies with Supermassive Bl...

Wed Sep 07 21:11:42 GMT 2016

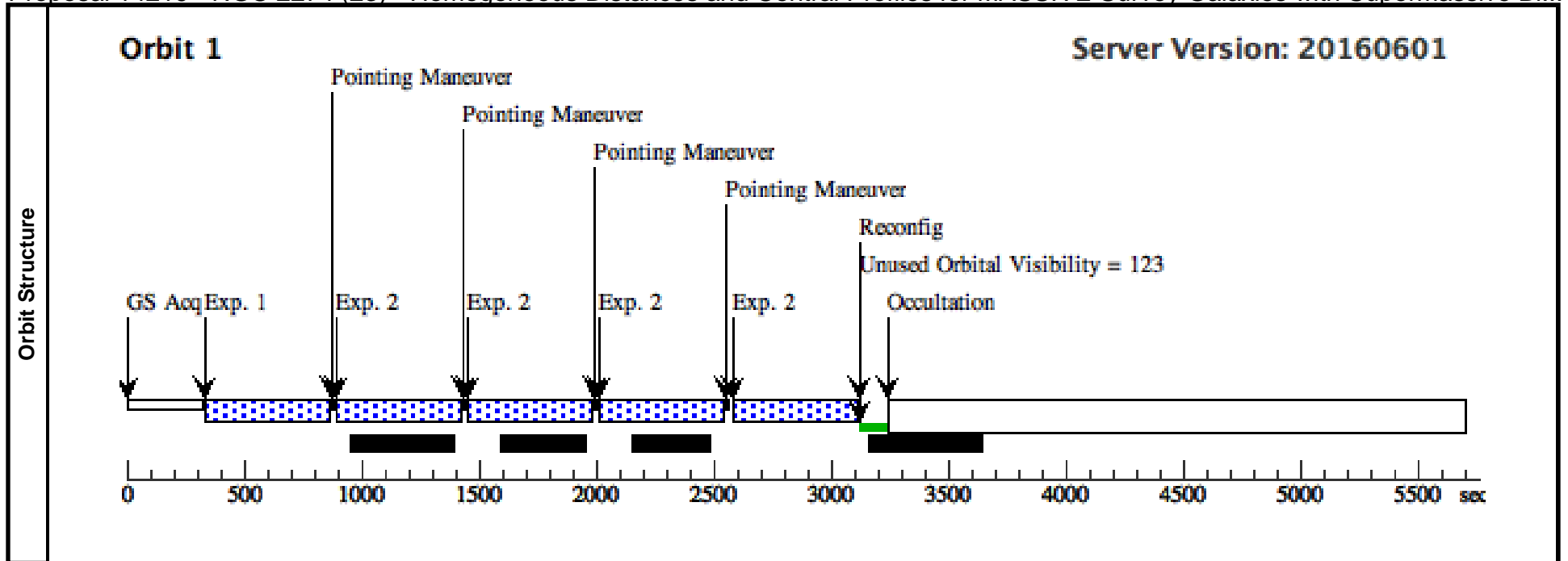
Visit	<b>Proposal 14219, NGC 2258 (22), completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=1.7149 Line Spacing=1.1447	Coordinate Frame=POS-TARG Pattern Orientation=18.52845 Angle Between Sides=76.34268 Center Pattern=true		(2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(22)	NGC-2258	RA: 06 47 45.8000 (101.9408333d) Dec: +74 28 54.00 (74.48167d) Equinox: J2000		V=(?) Htot = 8.21	Reference Frame: ICRS				
	<i>Comments: Extended=YES</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	WFC3/F110 W	(22) NGC-2258	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP5 0;			499.234285 Secs (499.234 Secs)	
						NSAMP=15			[==>]	[1]
	2	WFC3/F110 W	(22) NGC-2258	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP5 0;		Pattern 3, Exps 2-2 in NGC 2258 (22) (3)	499.234285 Secs (1996.937 Secs)	
					NSAMP=15			[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]	
3	WFC3/F110 W	(22) NGC-2258	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP5 0;	POS TARG -0.271,-0.484			399.233383 Secs (399.233 Secs)	
					NSAMP=13			[==>]	[1]	



Proposal 14219 - NGC 2274 (23) - Homogeneous Distances and Central Profiles for MASSIVE Survey Galaxies with Supermassive Bl...

Wed Sep 07 21:11:42 GMT 2016

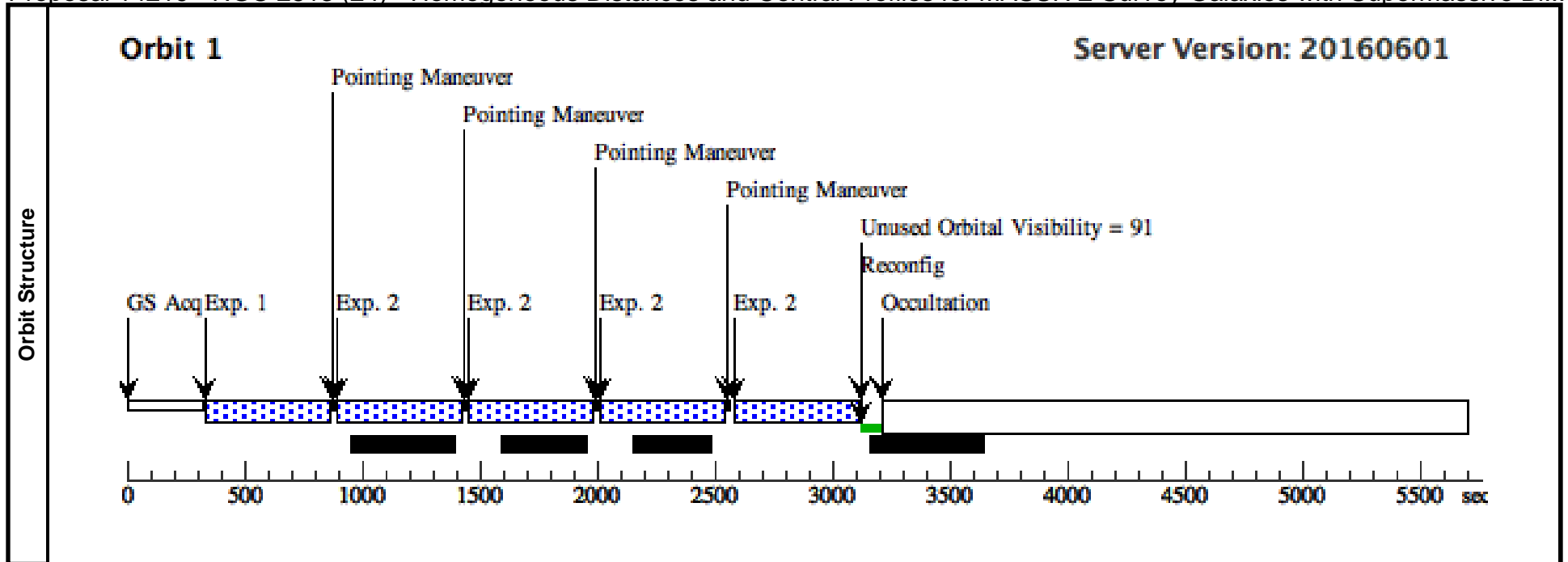
Visit	<b>Proposal 14219, NGC 2274 (23), completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: ORIENT 100D TO 252 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=1.7149 Line Spacing=1.1447	Coordinate Frame=POS-TARG Pattern Orientation=18.52845 Angle Between Sides=76.34268 Center Pattern=true		(2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(23)	NGC-2274	RA: 06 47 17.3700 (101.8223750d) Dec: +33 34 1.90 (33.56719d) Equinox: J2000		V=(?) Htot = 8.94	Reference Frame: ICRS				
	<i>Comments: Extended=YES</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	WFC3/F110 W	(23) NGC-2274	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;				499.234285 Secs (499.234 Secs)
						NSAMP=15			[==>]	[1]
2	WFC3/F110 W	(23) NGC-2274	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;			Pattern 3, Exps 2-2 in NGC 2274 (23) (3)	499.234285 Secs (1996.937 Secs)	
						NSAMP=15			[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]



Proposal 14219 - NGC 2513 (24) - Homogeneous Distances and Central Profiles for MASSIVE Survey Galaxies with Supermassive Bl...

Wed Sep 07 21:11:42 GMT 2016

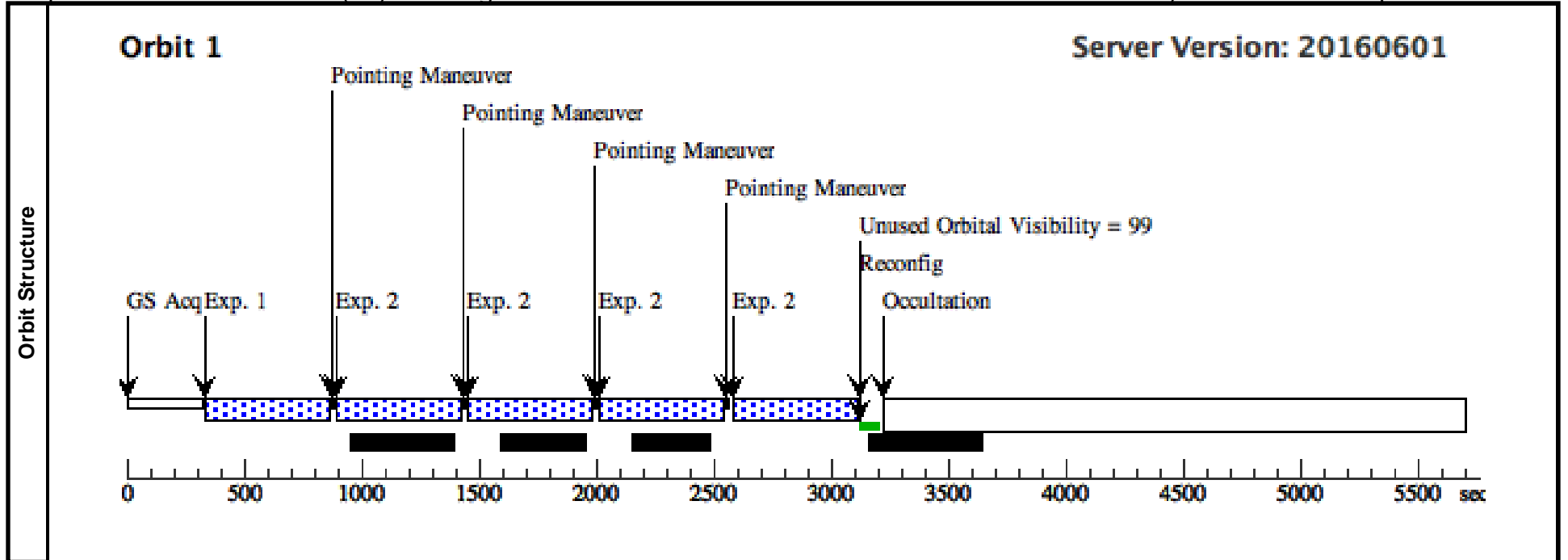
Visit	<b>Proposal 14219, NGC 2513 (24), scheduling</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: ORIENT 290D TO 95 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=1.7149 Line Spacing=1.1447	Coordinate Frame=POS-TARG Pattern Orientation=18.52845 Angle Between Sides=76.34268 Center Pattern=true		(2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(24)	NGC-2513	RA: 08 02 24.6700 (120.6027917d) Dec: +09 24 48.80 (9.41356d) Equinox: J2000		V=(?) Htot = 9.01	Reference Frame: ICRS				
	<i>Comments: Extended=YES</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	WFC3/F110 W	(24) NGC-2513	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;				499.234285 Secs (499.234 Secs)
						NSAMP=15			[==>]	[1]
2	WFC3/F110 W	(24) NGC-2513	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;			Pattern 3, Exps 2-2 in NGC 2513 (24) (3)	499.234285 Secs (1996.937 Secs)	
						NSAMP=15			[==>(Pattern 1)]	
									[==>(Pattern 2)]	
									[==>(Pattern 3)]	[1]
									[==>(Pattern 4)]	



Proposal 14219 - NGC 2672 (25) - Homogeneous Distances and Central Profiles for MASSIVE Survey Galaxies with Supermassive Bl...

Wed Sep 07 21:11:42 GMT 2016

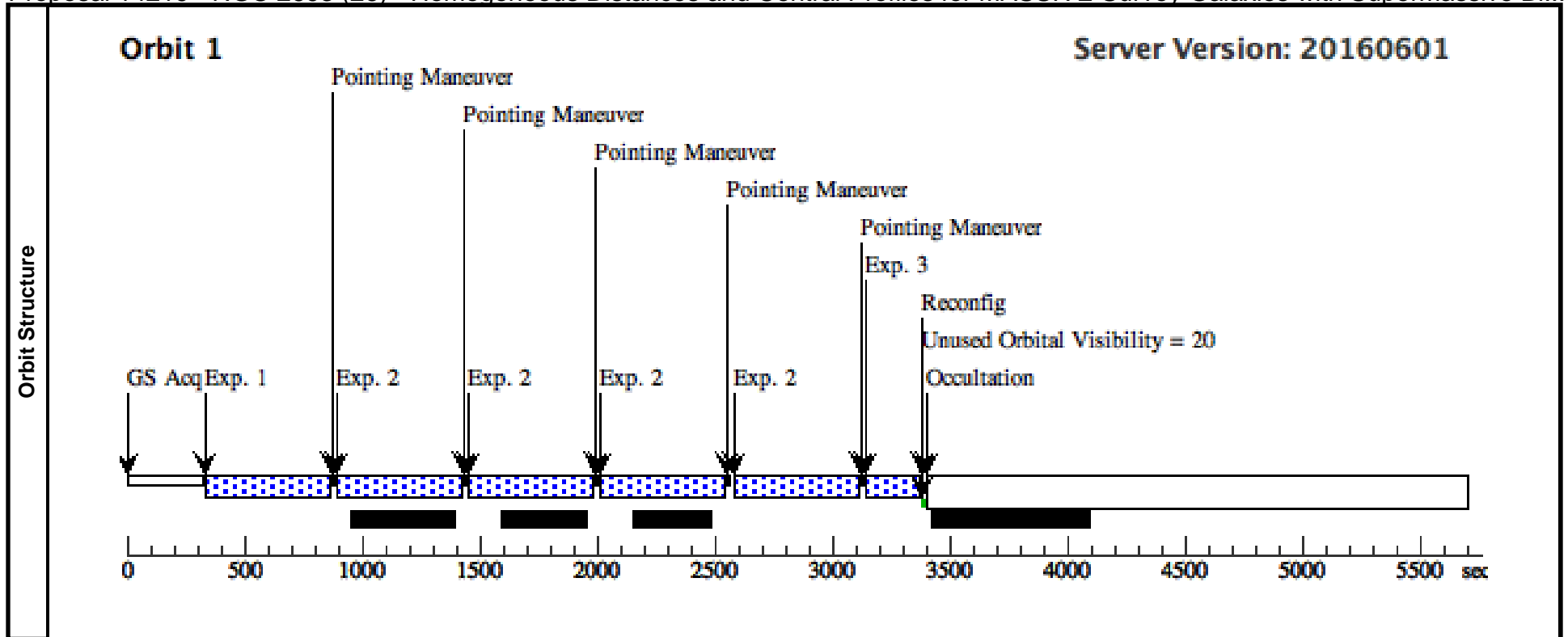
Visit	<b>Proposal 14219, NGC 2672 (25), completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: ORIENT 115D TO 275 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=1.7149 Line Spacing=1.1447	Coordinate Frame=POS-TARG Pattern Orientation=18.52845 Angle Between Sides=76.34268 Center Pattern=true		(2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(25)	NGC-2672	RA: 08 49 21.8900 (132.3412083d) Dec: +19 04 29.90 (19.07497d) Equinox: J2000		V=(?) Htot = 8.55	Reference Frame: ICRS				
	<i>Comments: Extended=YES</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	WFC3/F110 W	(25) NGC-2672	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;				499.234285 Secs (499.234 Secs)
						NSAMP=15			[==>]	[1]
2	WFC3/F110 W	(25) NGC-2672	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;			Pattern 3, Exps 2-2 in NGC 2672 (25) (3)	499.234285 Secs (1996.937 Secs)	
						NSAMP=15			[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]



Proposal 14219 - NGC 2693 (26) - Homogeneous Distances and Central Profiles for MASSIVE Survey Galaxies with Supermassive Bl...

Wed Sep 07 21:11:42 GMT 2016

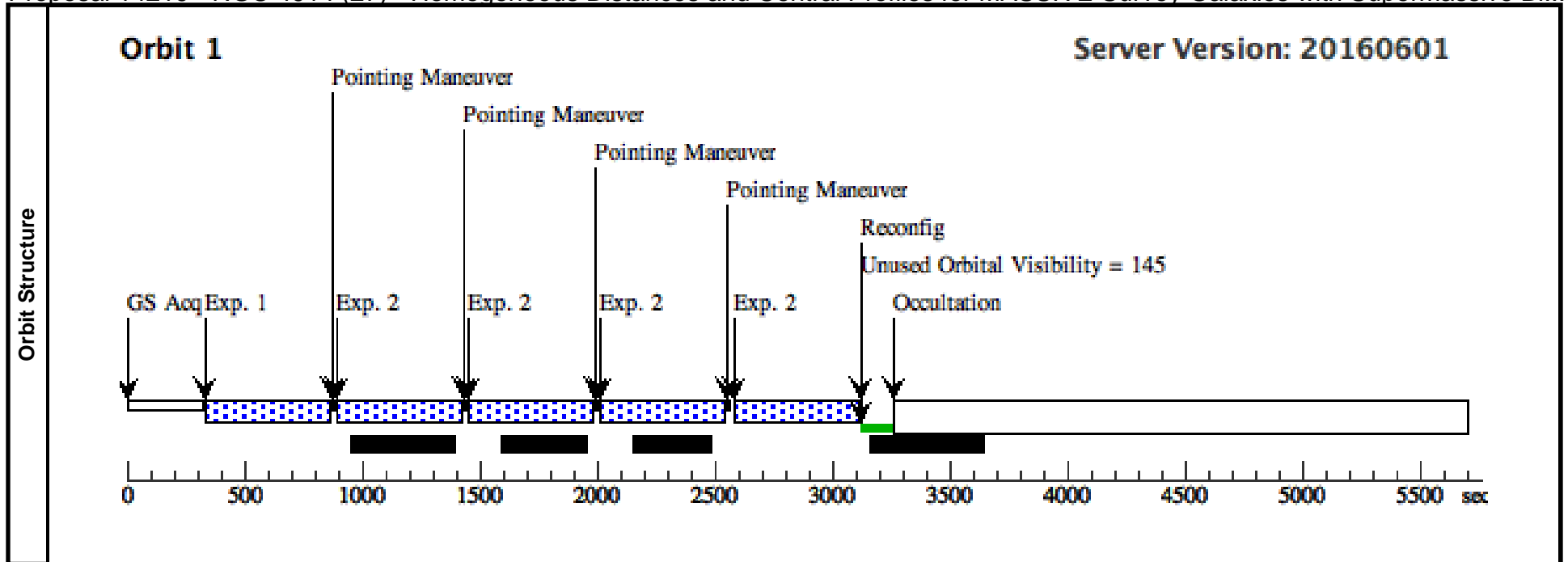
Visit	<b>Proposal 14219, NGC 2693 (26), completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: ORIENT 110D TO 285 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=1.7149 Line Spacing=1.1447	Coordinate Frame=POS-TARG Pattern Orientation=18.52845 Angle Between Sides=76.34268 Center Pattern=true		(2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(26)	NGC-2693	RA: 08 56 59.2700 (134.2469583d) Dec: +51 20 50.80 (51.34744d) Equinox: J2000		V=(?) Htot = 8.91	Reference Frame: ICRS				
	<i>Comments: Extended=YES</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	WFC3/F110 W	(26) NGC-2693	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;			499.234285 Secs (499.234 Secs)	
						NSAMP=15			[==>]	[1]
	2	WFC3/F110 W	(26) NGC-2693	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;		Pattern 3, Exps 2-2 in NGC 2693 (26) (3)	499.234285 Secs (1996.937 Secs)	
					NSAMP=15			[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]	
3	WFC3/F110 W	(26) NGC-2693	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;	POS TARG -0.271,-0.484		199.231579 Secs (199.232 Secs)		
					NSAMP=9			[==>]	[1]	



Proposal 14219 - NGC 4914 (27) - Homogeneous Distances and Central Profiles for MASSIVE Survey Galaxies with Supermassive Bl...

Wed Sep 07 21:11:42 GMT 2016

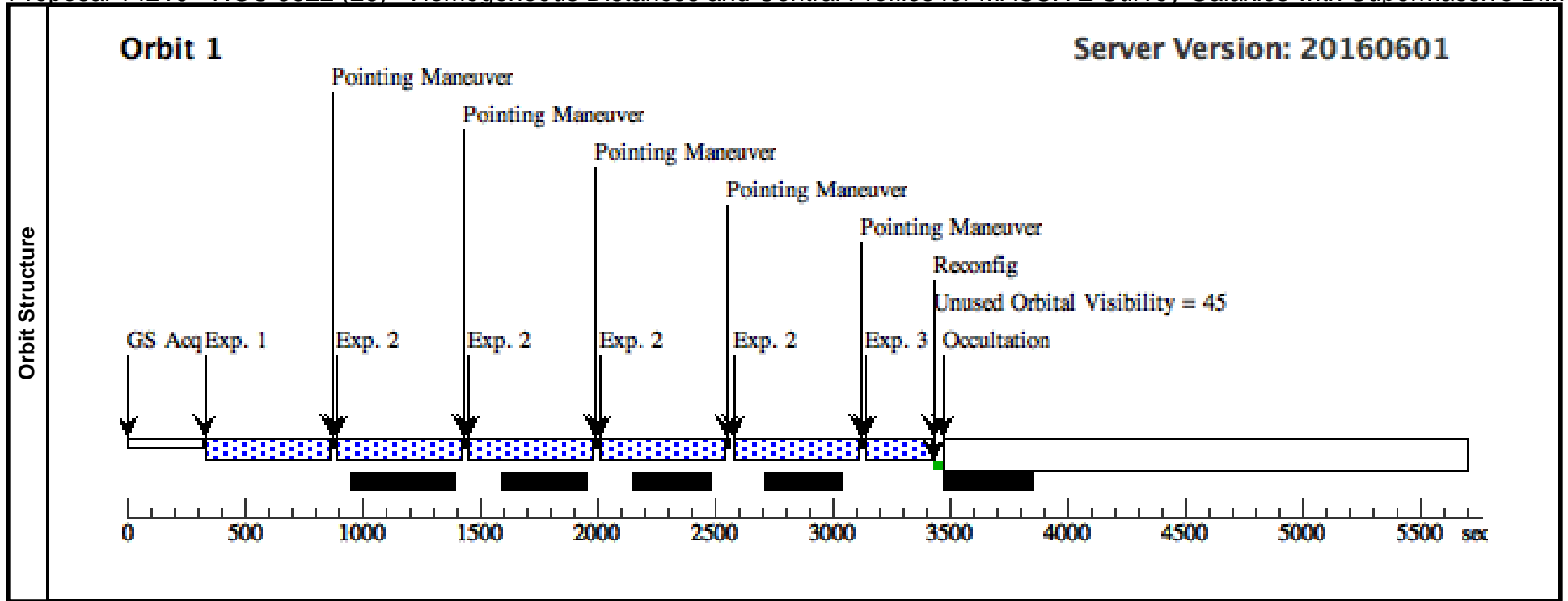
Visit	<b>Proposal 14219, NGC 4914 (27), completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: ORIENT 115D TO 295 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=1.7149 Line Spacing=1.1447	Coordinate Frame=POS-TARG Pattern Orientation=18.52845 Angle Between Sides=76.34268 Center Pattern=true		(2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(27)	NGC-4914	RA: 13 00 42.9500 (195.1789583d) Dec: +37 18 55.00 (37.31528d) Equinox: J2000		V=(?) Htot = 8.90	Reference Frame: ICRS				
	<i>Comments: Extended=YES</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	WFC3/F110 W	(27) NGC-4914	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;				499.234285 Secs (499.234 Secs)
						NSAMP=15			[==>]	[1]
2	WFC3/F110 W	(27) NGC-4914	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;			Pattern 3, Exps 2-2 in NGC 4914 (27) (3)	499.234285 Secs (1996.937 Secs)	
						NSAMP=15			[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]



Proposal 14219 - NGC 5322 (28) - Homogeneous Distances and Central Profiles for MASSIVE Survey Galaxies with Supermassive Bl...

Wed Sep 07 21:11:42 GMT 2016

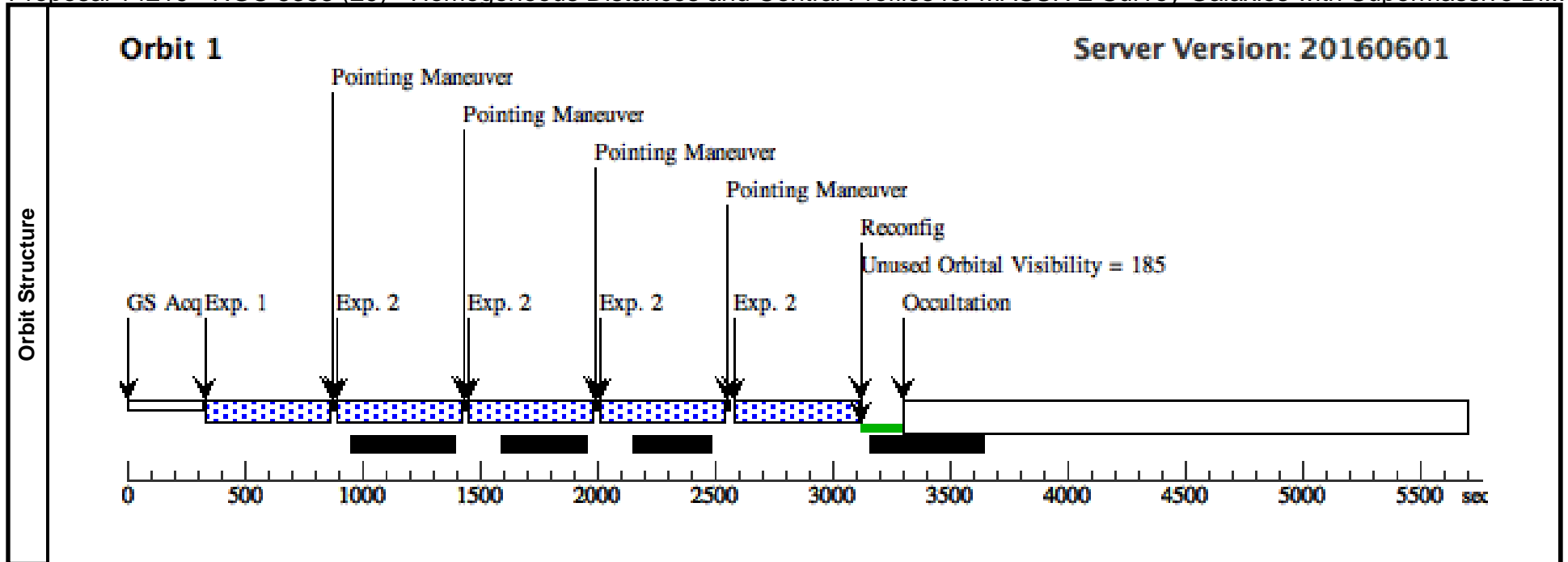
Visit	<b>Proposal 14219, NGC 5322 (28), completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=1.7149 Line Spacing=1.1447	Coordinate Frame=POS-TARG Pattern Orientation=18.52845 Angle Between Sides=76.34268 Center Pattern=true		(2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(28)	NGC-5322	RA: 13 49 15.2700 (207.3136250d) Dec: +60 11 25.90 (60.19053d) Equinox: J2000		V=(?) Htot = 7.35	Reference Frame: ICRS				
	<i>Comments: Extended=YES</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	WFC3/F110 W	(28) NGC-5322	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP5 0;			499.234285 Secs (499.234 Secs)	
						NSAMP=15			[==>]	[1]
	2	WFC3/F110 W	(28) NGC-5322	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP5 0;		Pattern 3, Exps 2-2 in NGC 5322 (28) (3)	499.234285 Secs (1996.937 Secs)	
					NSAMP=15			[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]	
3	WFC3/F110 W	(28) NGC-5322	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP5 0;	POS TARG -0.271,-0.484			249.23203 Secs (249.232 Secs)	
					NSAMP=10			[==>]	[1]	



Proposal 14219 - NGC 5353 (29) - Homogeneous Distances and Central Profiles for MASSIVE Survey Galaxies with Supermassive Bl...

Wed Sep 07 21:11:42 GMT 2016

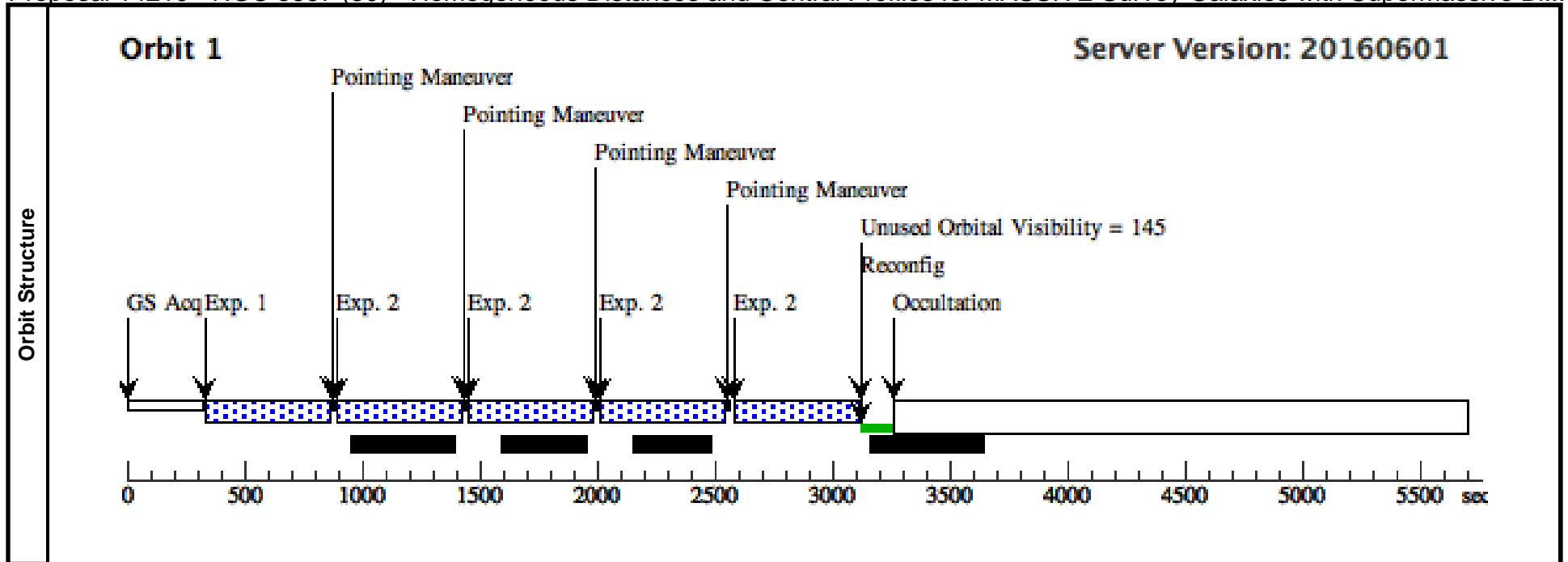
Visit	<b>Proposal 14219, NGC 5353 (29), completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: ORIENT 115D TO 305 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=1.7149 Line Spacing=1.1447	Coordinate Frame=POS-TARG Pattern Orientation=18.52845 Angle Between Sides=76.34268 Center Pattern=true		(2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(29)	NGC-5353	RA: 13 53 26.6900 (208.3612083d) Dec: +40 16 58.90 (40.28303d) Equinox: J2000		V=(?) Htot = 7.72	Reference Frame: ICRS				
	<i>Comments: Extended=YES</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	WFC3/F110 W	(29) NGC-5353	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;				499.234285 Secs (499.234 Secs)
						NSAMP=15			[==>]	[1]
	2	WFC3/F110 W	(29) NGC-5353	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;		Pattern 3, Exps 2-2 in NGC 5353 (29) (3)	499.234285 Secs (1996.937 Secs)	
						NSAMP=15			[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]



Proposal 14219 - NGC 5557 (30) - Homogeneous Distances and Central Profiles for MASSIVE Survey Galaxies with Supermassive Bl...

Wed Sep 07 21:11:42 GMT 2016

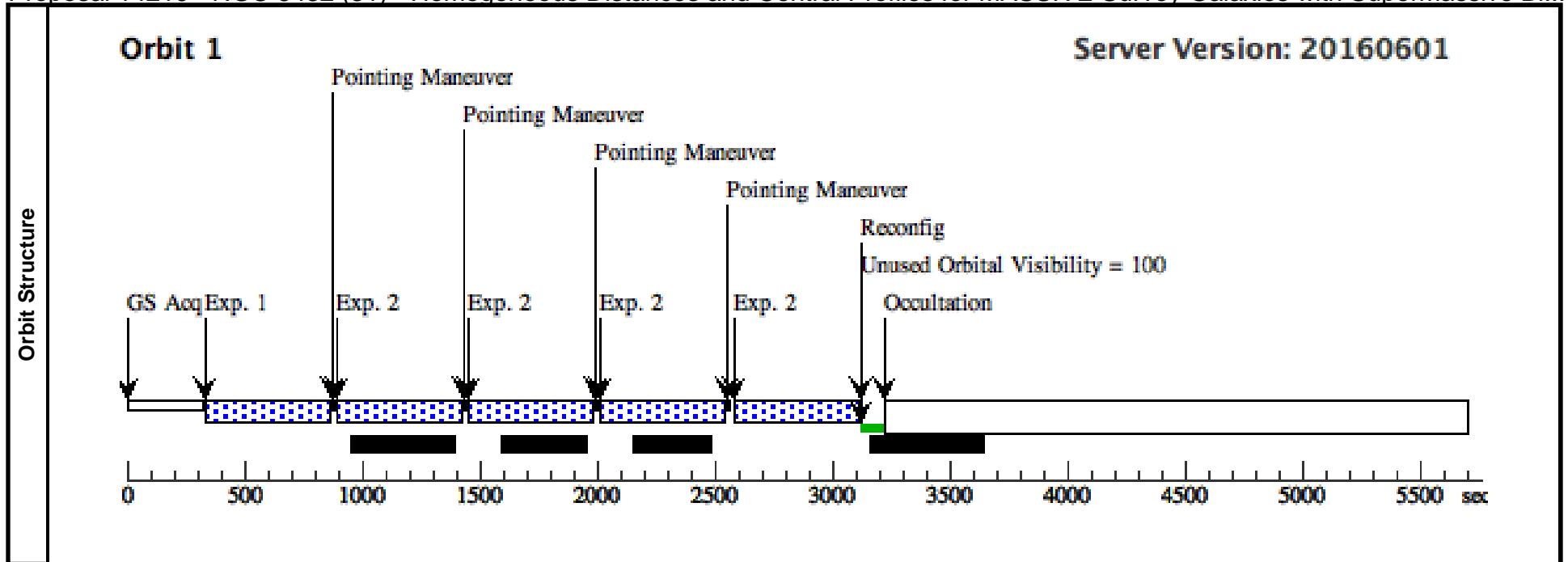
<b>Visit</b>	Proposal 14219, NGC 5557 (30), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ORIENT 106D TO 306 D									
<b>Patterns</b>	#	<b>Primary Pattern</b>	<b>Secondary Pattern</b>		<b>Exposures</b>					
	(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=1.7149 Line Spacing=1.1447	Coordinate Frame=POS-TARG Pattern Orientation=18.52845 Angle Between Sides=76.34268 Center Pattern=true		(2)					
<b>Fixed Targets</b>	#	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(30)	NGC-5557	RA: 14 18 25.7200 (214.6071667d) Dec: +36 29 36.80 (36.49356d) Equinox: J2000		V=(?) Htot = 8.34	Reference Frame: ICRS				
<i>Comments: Extended=YES</i>										
<b>Exposures</b>	#	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time (Total)/[Actual Dur.]</b>	<b>Orbit</b>
	1	WFC3/F110 W	(30) NGC-5557	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;			499.234285 Secs (499.234 Secs)	
							NSAMP=15		[==>]	[1]
2	WFC3/F110 W	(30) NGC-5557	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;			Pattern 3, Exps 2-2 in NGC 5557 (30) (3)	499.234285 Secs (1996.937 Secs)	
						NSAMP=15			[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]



Proposal 14219 - NGC 6482 (31) - Homogeneous Distances and Central Profiles for MASSIVE Survey Galaxies with Supermassive Bl...

Wed Sep 07 21:11:42 GMT 2016

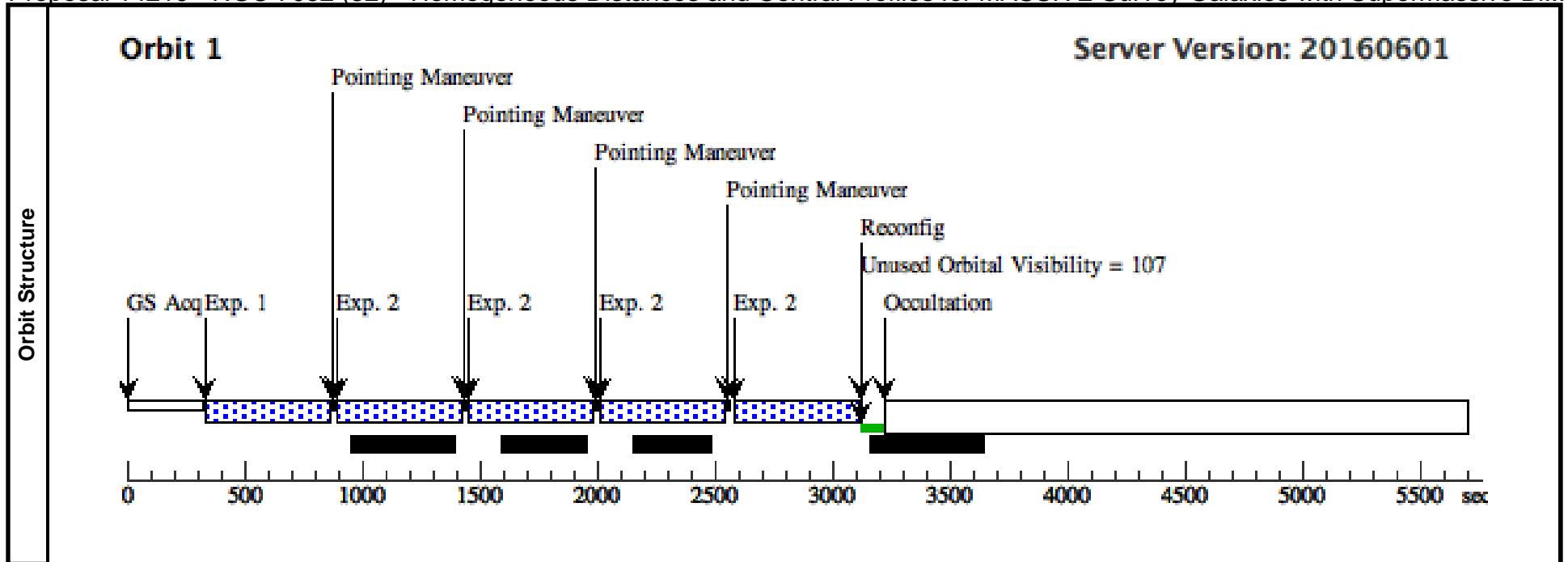
Visit	<b>Proposal 14219, NGC 6482 (31), completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: ORIENT 80D TO 280 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=1.7149 Line Spacing=1.1447	Coordinate Frame=POS-TARG Pattern Orientation=18.52845 Angle Between Sides=76.34268 Center Pattern=true		(2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(31)	NGC-6482	RA: 17 51 48.8100 (267.9533750d) Dec: +23 04 19.00 (23.07194d) Equinox: J2000		V=(?) Htot = 8.61	Reference Frame: ICRS				
	<i>Comments: Extended=YES</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	WFC3/F110 W	(31) NGC-6482	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;	NSAMP=15			499.234285 Secs (499.234 Secs)
									[==>]	[1]
2	WFC3/F110 W	(31) NGC-6482	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;	NSAMP=15		Pattern 3, Exps 2-2 in NGC 6482 (31) (3)	499.234285 Secs (1996.937 Secs)	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	
									[==>(Pattern 3)]	
									[==>(Pattern 4)]	[1]



Proposal 14219 - NGC 7052 (32) - Homogeneous Distances and Central Profiles for MASSIVE Survey Galaxies with Supermassive Bl...

Wed Sep 07 21:11:42 GMT 2016

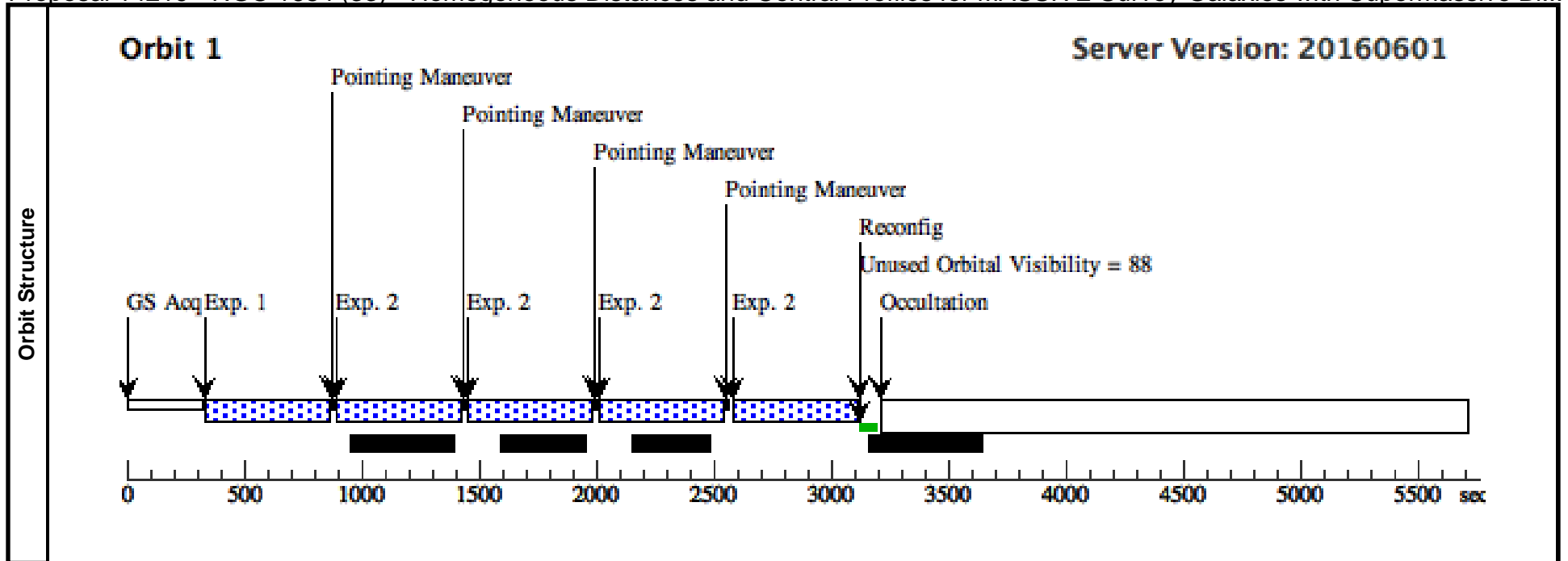
Visit	<b>Proposal 14219, NGC 7052 (32), completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: ORIENT 64D TO 250 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=1.7149 Line Spacing=1.1447	Coordinate Frame=POS-TARG Pattern Orientation=18.52845 Angle Between Sides=76.34268 Center Pattern=true		(2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(32)	NGC-7052	RA: 21 18 33.0500 (319.6377083d) Dec: +26 26 49.30 (26.44703d) Equinox: J2000		V=(?) Htot = 8.85	Reference Frame: ICRS				
	<i>Comments: Extended=YES</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	WFC3/F110 W	(32) NGC-7052	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;	NSAMP=15			499.234285 Secs (499.234 Secs)
2	WFC3/F110 W	(32) NGC-7052	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;	NSAMP=15		Pattern 3, Exps 2-2 in NGC 7052 (32) (3)	499.234285 Secs (1996.937 Secs)	[1]
									[=>(Pattern 1)]	
									[=>(Pattern 2)]	
									[=>(Pattern 3)]	
									[=>(Pattern 4)]	



Proposal 14219 - NGC 1684 (33) - Homogeneous Distances and Central Profiles for MASSIVE Survey Galaxies with Supermassive Bl...

Wed Sep 07 21:11:42 GMT 2016

<b>Visit</b>	Proposal 14219, NGC 1684 (33), scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ORIENT 270D TO 80 D										
	<b>Patterns</b>	#	<b>Primary Pattern</b>				<b>Secondary Pattern</b>				<b>Exposures</b>
(3)		Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=1.7149 Line Spacing=1.1447		Coordinate Frame=POS-TARG Pattern Orientation=18.52845 Angle Between Sides=76.34268 Center Pattern=true						(2)	
<b>Fixed Targets</b>	#	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>		<b>Miscellaneous</b>		
	(33)	NGC-1684	RA: 04 52 31.1500 (73.1297917d) Dec: -03 06 21.80 (-3.10606d) Equinox: J2000				V=(?) Htot = 8.92		Reference Frame: ICRS		
<i>Comments: Extended=YES</i>											
<b>Exposures</b>	#	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time (Total)/[Actual Dur.]</b>		<b>Orbit</b>
	1	WFC3/F110 W	(33) NGC-1684	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;			499.234285 Secs (499.234 Secs)		
						NSAMP=15			[==>]		[1]
2	WFC3/F110 W	(33) NGC-1684	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;			Pattern 3, Exps 2-2 in NGC 1684 (33) (3)	499.234285 Secs (1996.937 Secs)		
					NSAMP=15				[==>(Pattern 1)]		
									[==>(Pattern 2)]		
									[==>(Pattern 3)]		
									[==>(Pattern 4)]		[1]



Proposal 14219 - NGC 7619 (34) - Homogeneous Distances and Central Profiles for MASSIVE Survey Galaxies with Supermassive Bl...

Wed Sep 07 21:11:42 GMT 2016

Visit	<b>Proposal 14219, NGC 7619 (34), completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: ORIENT 75D TO 240 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(3)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=1.7149 Line Spacing=1.1447	Coordinate Frame=POS-TARG Pattern Orientation=18.52845 Angle Between Sides=76.34268 Center Pattern=true		(2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(34)	NGC-7619	RA: 23 20 14.5300 (350.0605417d) Dec: +08 12 22.50 (8.20625d) Equinox: J2000		V=(?) Htot = 8.35	Reference Frame: ICRS				
	<i>Comments: Extended=YES</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	WFC3/F110 W	(34) NGC-7619	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;				499.234285 Secs (499.234 Secs)
						NSAMP=15			[==>]	[1]
2	WFC3/F110 W	(34) NGC-7619	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP50;			Pattern 3, Exps 2-2 in NGC 7619 (34) (3)	499.234285 Secs (1996.937 Secs)	
						NSAMP=15			[==>(Pattern 1)]	
									[==>(Pattern 2)]	
									[==>(Pattern 3)]	
									[==>(Pattern 4)]	[1]

