



13774 - Feeding and feedback: The impact of AGN on the circumgalactic medium.

Cycle: 22, Proposal Category: GO

(UV Initiative)

(Availability Mode: SUPPORTED)

INVESTIGATORS

<i>Name</i>	<i>Institution</i>	<i>E-Mail</i>
Dr. Sara Ellison (PI) (Contact)	University of Victoria	sarae@uvic.ca
Dr. Benjamin Darwin Oppenheimer (CoI)	University of Colorado at Boulder	beop5934@colorado.edu
Dr. Jason Tumlinson (CoI) (AdminUSPI)	Space Telescope Science Institute	tumlinson@stsci.edu
Dr. Joop Schaye (CoI) (ESA Member)	Universiteit Leiden	schaye@strw.leidenuniv.nl

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) SDSSJ085259.22+031320.6	COS/FUV COS/NUV	3	20-May-2015 21:05:10.0	yes
02	(2) SDSSJ112736.38+265450.5	COS/FUV COS/NUV	3	20-May-2015 21:05:13.0	yes
52	(2) SDSSJ112736.38+265450.5	COS/FUV COS/NUV	3	20-May-2015 21:05:15.0	yes
03	(3) SDSSJ153644.90+141229.7	COS/FUV COS/NUV	4	20-May-2015 21:05:18.0	yes
04	(4) SDSSJ160709.88+133419.0	COS/FUV COS/NUV	4	20-May-2015 21:05:22.0	yes
05	(5) SDSSJ011623.04+142940.5	COS/FUV COS/NUV	2	20-May-2015 21:05:24.0	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>
11	(5) SDSSJ011623.04+142940.5	COS/FUV COS/NUV	4	20-May-2015 21:05:26.0	yes
06	(6) SDSSJ232259.98-005359.2	COS/FUV COS/NUV	2	20-May-2015 21:05:27.0	yes
12	(6) SDSSJ232259.98-005359.2	COS/FUV COS/NUV	4	20-May-2015 21:05:29.0	yes
07	(7) SDSSJ085116.14+424328.8	COS/FUV COS/NUV	2	20-May-2015 21:05:31.0	yes
13	(7) SDSSJ085116.14+424328.8	COS/FUV COS/NUV	4	20-May-2015 21:05:33.0	yes
08	(8) SDSSJ114212.32+301613.3	COS/FUV COS/NUV	4	20-May-2015 21:05:34.0	yes
09	(9) SDSSJ213357.89-071217.3	COS/FUV COS/NUV	3	20-May-2015 21:05:36.0	yes
14	(9) SDSSJ213357.89-071217.3	COS/FUV COS/NUV	4	20-May-2015 21:05:38.0	yes
10	(10) SDSSJ094840.08+580039.1	COS/FUV COS/NUV	4	20-May-2015 21:05:40.0	yes
15	(10) SDSSJ094840.08+580039.1	COS/FUV COS/NUV	5	20-May-2015 21:05:42.0	yes

55 Total Orbits Used

ABSTRACT

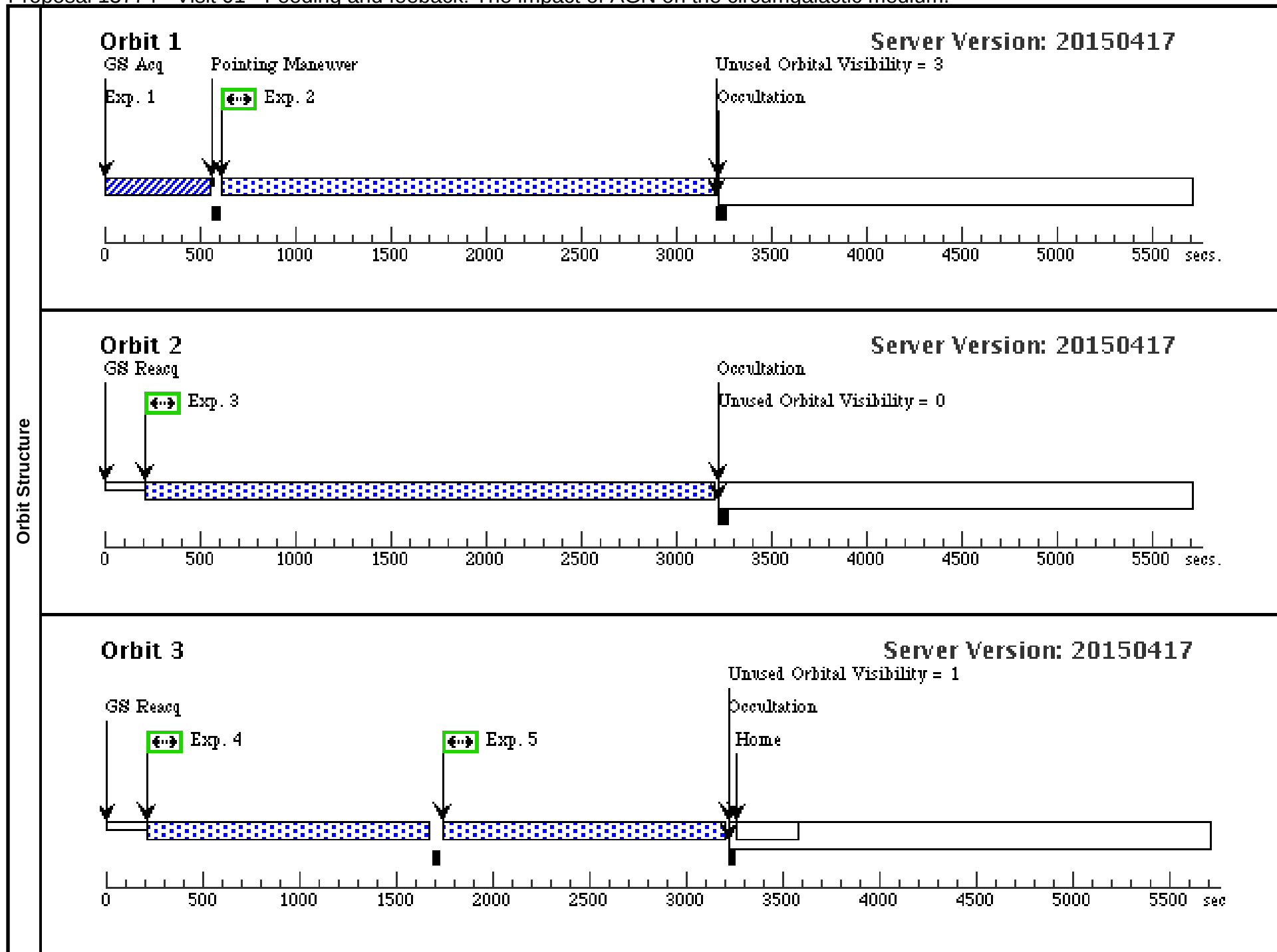
A galaxy's history is shaped by the fuelling and feedback of gas both from and into the circumgalactic medium (CGM). The importance of the CGM in low z galaxies has been unequivocally demonstrated in recent years, thanks to the availability of COS and a coupling with large galaxy surveys. These studies have traced the HI and metals out to several hundred kpc, revealing a rich and extended medium around star-forming galaxies. However, the impact of AGN on this CGM is almost completely unknown. We propose to observe the CGM probed by background QSOs at impact parameters up to 175 kpc around 10 moderately high luminosity AGN-dominated galaxies selected from the SDSS. By comparing with an archival

Proposal 13774 (STScI Edit Number: 2, Created: Wednesday, May 20, 2015 8:05:44 PM EST) - Overview

sample of non-AGN in the same stellar mass, redshift and impact parameter regime we will investigate 1) the extent of the halo, its velocity structure and its metal enrichment and 2) the ionization structure and physical properties of the AGN galaxies' CGM. These objectives are both scientifically timely and yet only recently achievable, thanks to the combination of COS's high sensitivity, the compilation of large numbers of local AGN, and the development of sophisticated ionization models by our team.

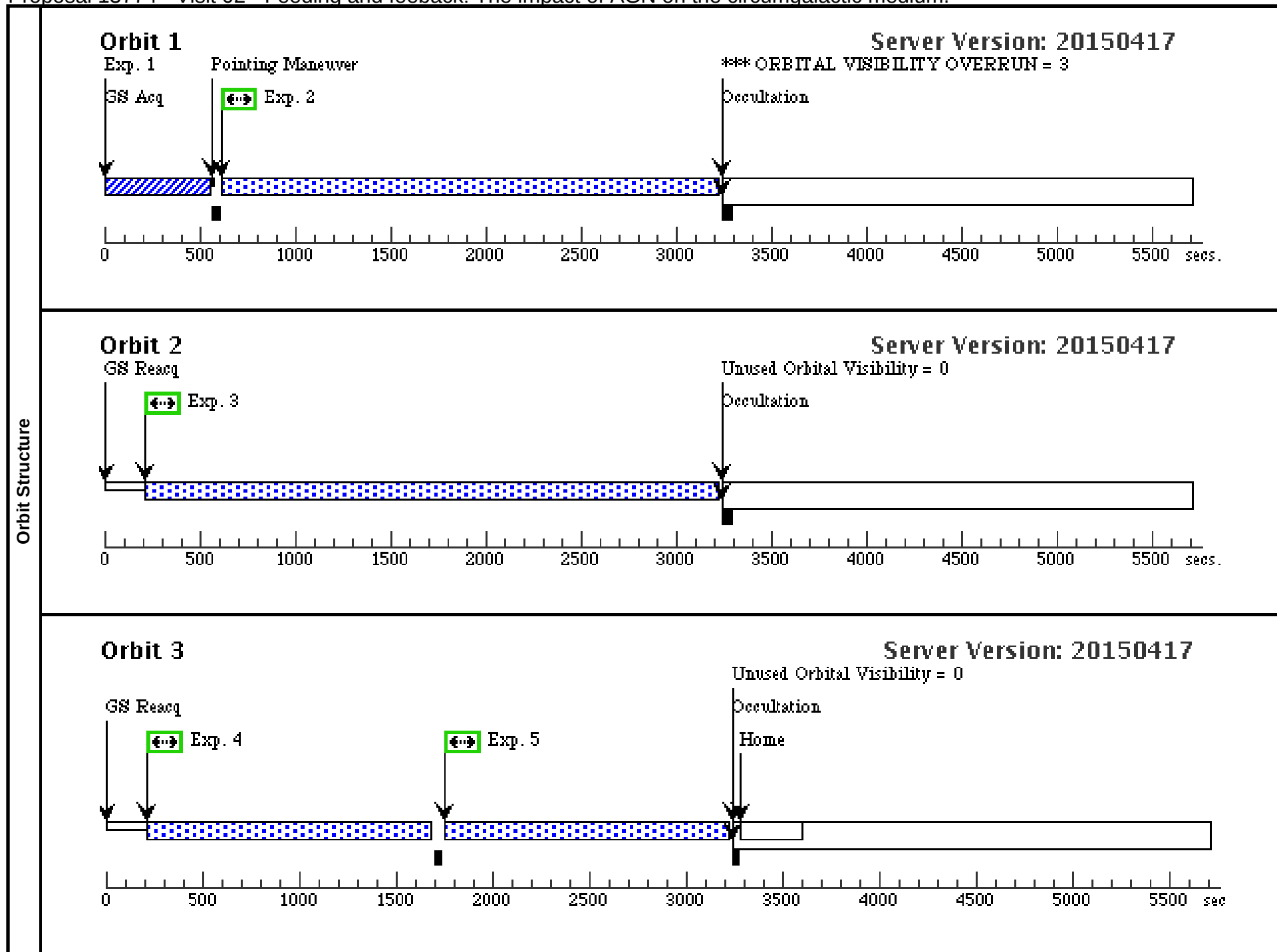
Proposal 13774 - Visit 01 - Feeding and feedback: The impact of AGN on the circumgalactic medium.

Visit	Proposal 13774, Visit 01, completed										Thu May 21 01:05:44 GMT 2015
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: COS/NUV, COS/FUV										
	Special Requirements: (none)										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	SDSSJ085259.22+031320.6	RA: 08 52 59.2200 (133.2467500d) Dec: +03 13 20.64 (3.22240d) Equinox: J2000		Redshift: 0.297		V=16.1 FUV=17.57		Reference Frame: ICRS		
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	ACQ/IMAG E Mirror B (COS.ta.616 561)	(1) SDSSJ085259.22 +031320.6	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				61 Secs (61 Secs)		
									[==>]		[1]
	2	G160M 160 0 FP1 (COS.sp.616 989)	(1) SDSSJ085259.22 +031320.6	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=67 58; FLASH=YES; FP-POS=1			2378 Secs (2378 Secs)		
									[==>]		[1]
	Comments: Buffer time set to 2/3 ETC time for FUV=17.6 and G160M combo										
	3	G160M 160 0 FP2 (COS.sp.616 989)	(1) SDSSJ085259.22 +031320.6	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=67 58; FP-POS=2; FLASH=YES			2936 Secs (2936 Secs)		
									[==>]		[2]
	Comments: Buffer time set to 2/3 ETC time for FUV=17.6 and G160M combo										
	4	G160M 160 0 FP3 (COS.sp.616 989)	(1) SDSSJ085259.22 +031320.6	COS/FUV, TIME-TAG, PSA	G160M 1600 A	FLASH=YES; BUFFER-TIME=67 58; FP-POS=3			1410 Secs (1410 Secs)		
								[==>]		[3]	
Comments: Buffer time set to 2/3 ETC time for FUV=17.6 and G160M combo											
5	G160M 160 0 FP4 (COS.sp.616 989)	(1) SDSSJ085259.22 +031320.6	COS/FUV, TIME-TAG, PSA	G160M 1600 A	FLASH=YES; BUFFER-TIME=67 58; FP-POS=4			1410 Secs (1410 Secs)			
								[==>]		[3]	
Comments: Buffer time set to 2/3 ETC time for FUV=17.6 and G160M combo											



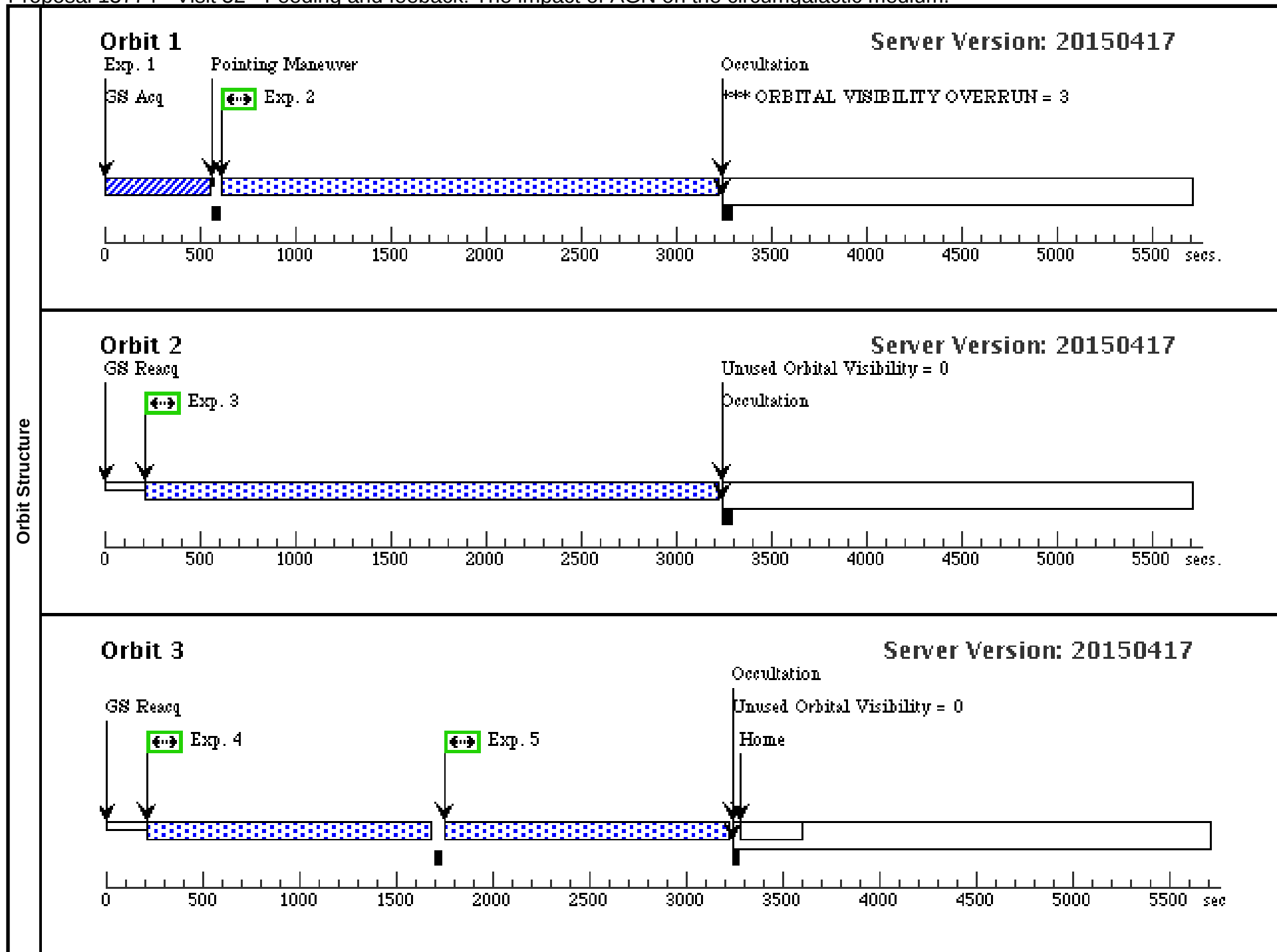
Proposal 13774 - Visit 02 - Feeding and feedback: The impact of AGN on the circumgalactic medium.

Visit	Proposal 13774, Visit 02, completed Thu May 21 01:05:44 GMT 2015									
	Diagnostic Status: Warning Scientific Instruments: COS/NUV, COS/FUV Special Requirements: (none)									
Diagnostics	(Visit 02) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	SDSSJ112736.38+265450.5	RA: 11 27 36.3792 (171.9015800d) Dec: +26 54 50.40 (26.91400d) Equinox: J2000	Redshift: 0.379	V=16.8 FUV=17.66	Reference Frame: ICRS				
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/IMAG E Mirror B (COS.ta.616 561)	(2) SDSSJ112736.38 +265450.5	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				61 Secs (61 Secs) [==>]	[1]
	2	G160M 157 7 FP1 (COS.sp.616 989)	(2) SDSSJ112736.38 +265450.5	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=67 58; FLASH=YES; FP-POS=1			2397 Secs (2397 Secs) [==>]	[1]
	<i>Comments: Buffer time set to 2/3 ETC time for FUV=17.6 and G160M combo</i>									
	3	G160M 157 7 FP2 (COS.sp.616 989)	(2) SDSSJ112736.38 +265450.5	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=67 58; FP-POS=2; FLASH=YES			2955 Secs (2955 Secs) [==>]	[2]
	<i>Comments: Buffer time set to 2/3 ETC time for FUV=17.6 and G160M combo</i>									
	4	G160M 157 7 FP3 (COS.sp.616 989)	(2) SDSSJ112736.38 +265450.5	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FLASH=YES; BUFFER-TIME=67 58; FP-POS=3			1420 Secs (1420 Secs) [==>]	[3]
	<i>Comments: Buffer time set to 2/3 ETC time for FUV=17.6 and G160M combo</i>									
	5	G160M 157 7 FP4 (COS.sp.616 989)	(2) SDSSJ112736.38 +265450.5	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FLASH=YES; BUFFER-TIME=67 58; FP-POS=4			1420 Secs (1420 Secs) [==>]	[3]
	<i>Comments: Buffer time set to 2/3 ETC time for FUV=17.6 and G160M combo</i>									



Proposal 13774 - Visit 52 - Feeding and feedback: The impact of AGN on the circumgalactic medium.

Visit	Proposal 13774, Visit 52										Thu May 21 01:05:45 GMT 2015	
	Diagnostic Status: Warning											
	Scientific Instruments: COS/NUV, COS/FUV											
	Special Requirements: (none)											
Comments: This is a repeat of visit 02 which failed.												
Diagnostics	(Visit 52) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(2)	SDSSJ112736.38+265450.5	RA: 11 27 36.3792 (171.9015800d) Dec: +26 54 50.40 (26.91400d) Equinox: J2000		Redshift: 0.379		V=16.8 FUV=17.66		Reference Frame: ICRS			
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	ACQ/IMAG E Mirror B (COS.ta.616 561)	(2) SDSSJ112736.38 +265450.5	COS/NUV, ACQ/IMAGE, PSA		MIRRORB				61 Secs (61 Secs) [==>]		[1]
	2	G160M 157 7 FP1 (COS.sp.616 989)	(2) SDSSJ112736.38 +265450.5	COS/FUV, TIME-TAG, PSA		G160M 1577 A	BUFFER-TIME=67 58; FLASH=YES; FP-POS=1			2397 Secs (2397 Secs) [==>]		[1]
	Comments: Buffer time set to 2/3 ETC time for FUV=17.6 and G160M combo											
	3	G160M 157 7 FP2 (COS.sp.616 989)	(2) SDSSJ112736.38 +265450.5	COS/FUV, TIME-TAG, PSA		G160M 1577 A	BUFFER-TIME=67 58; FP-POS=2; FLASH=YES			2955 Secs (2955 Secs) [==>]		[2]
	Comments: Buffer time set to 2/3 ETC time for FUV=17.6 and G160M combo											
	4	G160M 157 7 FP3 (COS.sp.616 989)	(2) SDSSJ112736.38 +265450.5	COS/FUV, TIME-TAG, PSA		G160M 1577 A	FLASH=YES; BUFFER-TIME=67 58; FP-POS=3			1420 Secs (1420 Secs) [==>]		[3]
	Comments: Buffer time set to 2/3 ETC time for FUV=17.6 and G160M combo											
	5	G160M 157 7 FP4 (COS.sp.616 989)	(2) SDSSJ112736.38 +265450.5	COS/FUV, TIME-TAG, PSA		G160M 1577 A	FLASH=YES; BUFFER-TIME=67 58; FP-POS=4			1420 Secs (1420 Secs) [==>]		[3]
	Comments: Buffer time set to 2/3 ETC time for FUV=17.6 and G160M combo											



Proposal 13774 - Visit 03 - Feeding and feedback: The impact of AGN on the circumgalactic medium.

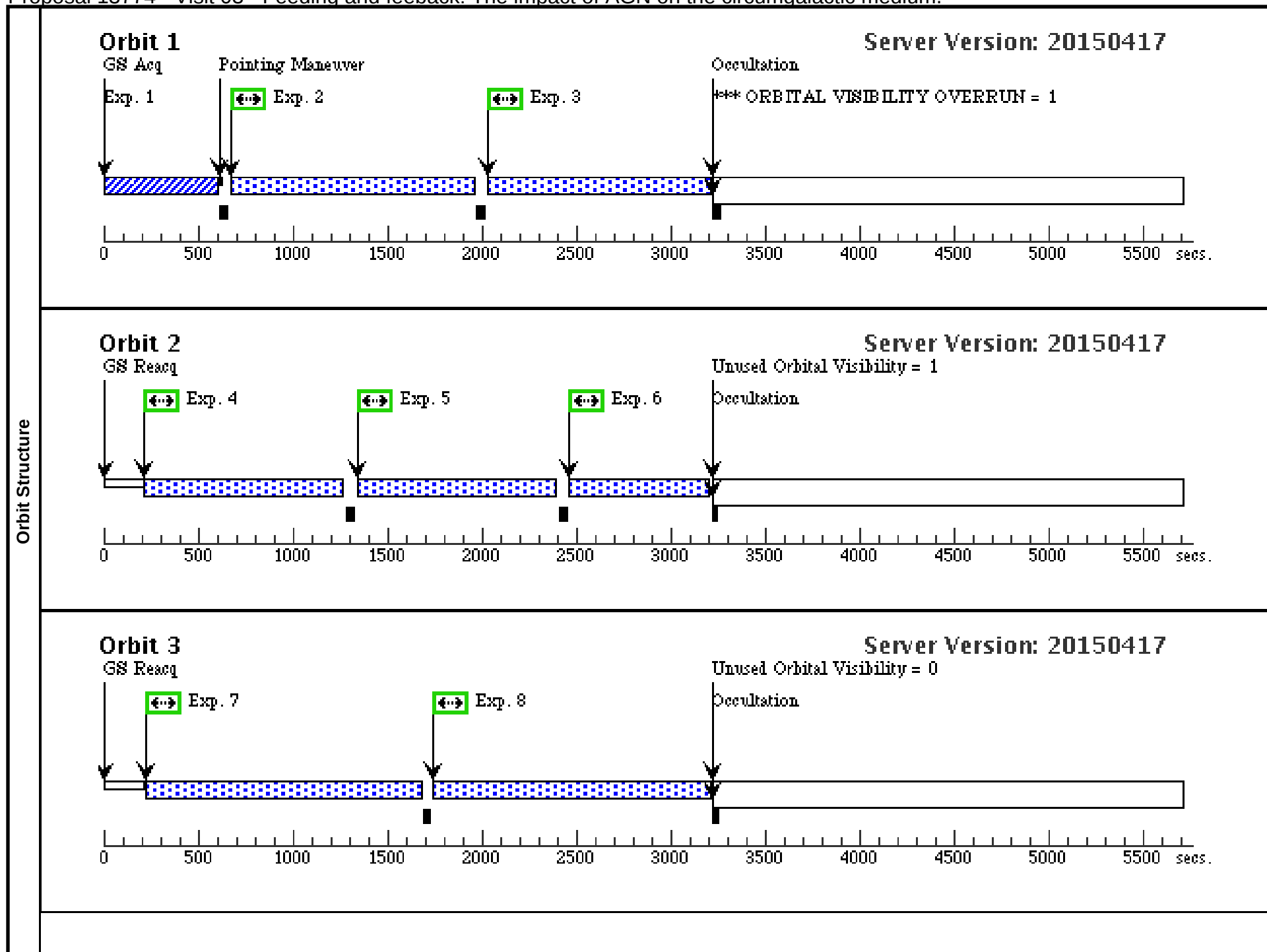
Visit	Proposal 13774, Visit 03, scheduling					Thu May 21 01:05:45 GMT 2015
	Diagnostic Status: Warning					
	Scientific Instruments: COS/NUV, COS/FUV					
	Special Requirements: (none)					
Diagnosics	(Visit 03) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(3)	SDSSJ153644.90+141229.7	RA: 15 36 44.9040 (234.1871000d) Dec: +14 12 29.88 (14.20830d) Equinox: J2000	Redshift: 0.397	V=17.5 FUV=17.94	Reference Frame: ICRS

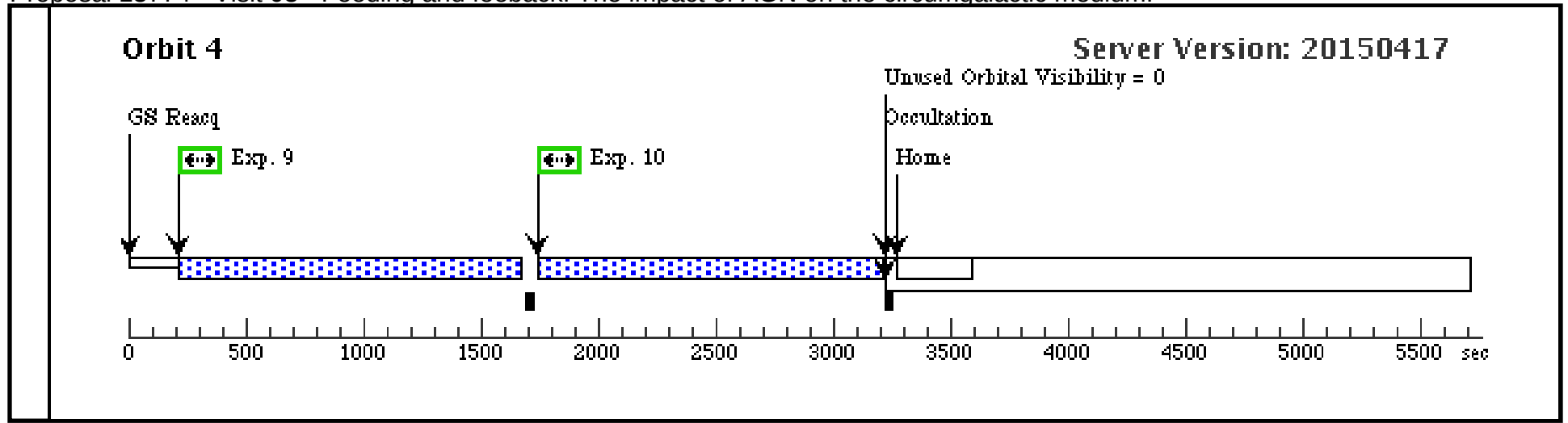
Proposal 13774 - Visit 03 - Feeding and feedback: The impact of AGN on the circumgalactic medium.

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/IMAG E Mirror B (COS.ta.616 562)	(3) SDSSJ153644.90 +141229.7	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				88 Secs (88 Secs) [==>]	[1]
	2	G130M 129 1 FP1 (COS.sp.617 122)	(3) SDSSJ153644.90 +141229.7	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=1; BUFFER-TIME=35 38; FLASH=YES			1125 Secs (1125 Secs) [==>]	[1]
	Comments: Buffer time set to 2/3 ETC time for FUV=18.0 and G130M combo									
	3	G130M 129 1 FP2 (COS.sp.617 122)	(3) SDSSJ153644.90 +141229.7	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=2; BUFFER-TIME=35 38; FLASH=YES			1125 Secs (1125 Secs) [==>]	[1]
	Comments: Buffer time set to 2/3 ETC time for FUV=18.0 and G130M combo									
	4	G130M 129 1 FP3 (COS.sp.617 122)	(3) SDSSJ153644.90 +141229.7	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=3; BUFFER-TIME=35 38; FLASH=YES			1000 Secs (1000 Secs) [==>]	[2]
	Comments: Buffer time set to 2/3 ETC time for FUV=18.0 and G130M combo									
	5	G130M 129 1 FP4 (COS.sp.617 122)	(3) SDSSJ153644.90 +141229.7	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=4; BUFFER-TIME=35 38; FLASH=YES			1000 Secs (1000 Secs) [==>]	[2]
	Comments: Buffer time set to 2/3 ETC time for FUV=18.0 and G130M combo									
	6	G160M 160 0 FP1 (COS.sp.617 130)	(3) SDSSJ153644.90 +141229.7	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=77 31; FLASH=YES; FP-POS=1			581 Secs (581 Secs) [==>]	[2]
	Comments: Buffer time set to 2/3 ETC time for FUV=18.0 and G160M combo									
	7	G160M 160 0 FP1 (COS.sp.617 130)	(3) SDSSJ153644.90 +141229.7	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=77 31; FLASH=YES; FP-POS=1			1412 Secs (1412 Secs) [==>]	[3]
	Comments: Buffer time set to 2/3 ETC time for FUV=18.0 and G160M combo									
	8	G160M 160 0 FP2 (COS.sp.617 130)	(3) SDSSJ153644.90 +141229.7	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=77 31; FLASH=YES; FP-POS=2			1413 Secs (1413 Secs) [==>]	[3]
	Comments: Buffer time set to 2/3 ETC time for FUV=18.0 and G160M combo									
	9	G160M 160 0 FP3 (COS.sp.617 130)	(3) SDSSJ153644.90 +141229.7	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=77 31; FLASH=YES; FP-POS=3			1412 Secs (1412 Secs) [==>]	[4]
	Comments: Buffer time set to 2/3 ETC time for FUV=18.0 and G160M combo									

Proposal 13774 - Visit 03 - Feeding and feedback: The impact of AGN on the circumgalactic medium.

	10	G160M 160 0 FP4 (COS.sp.617 130)	(3) SDSSJ153644.90 +141229.7	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=77 31; FLASH=YES; FP-POS=4	1413 Secs (1413 Secs)	
							[==>]	[4]
							Comments: Buffer time set to 2/3 ETC time for FUV=18.0 and G160M combo	





Proposal 13774 - Visit 04 - Feeding and feedback: The impact of AGN on the circumgalactic medium.

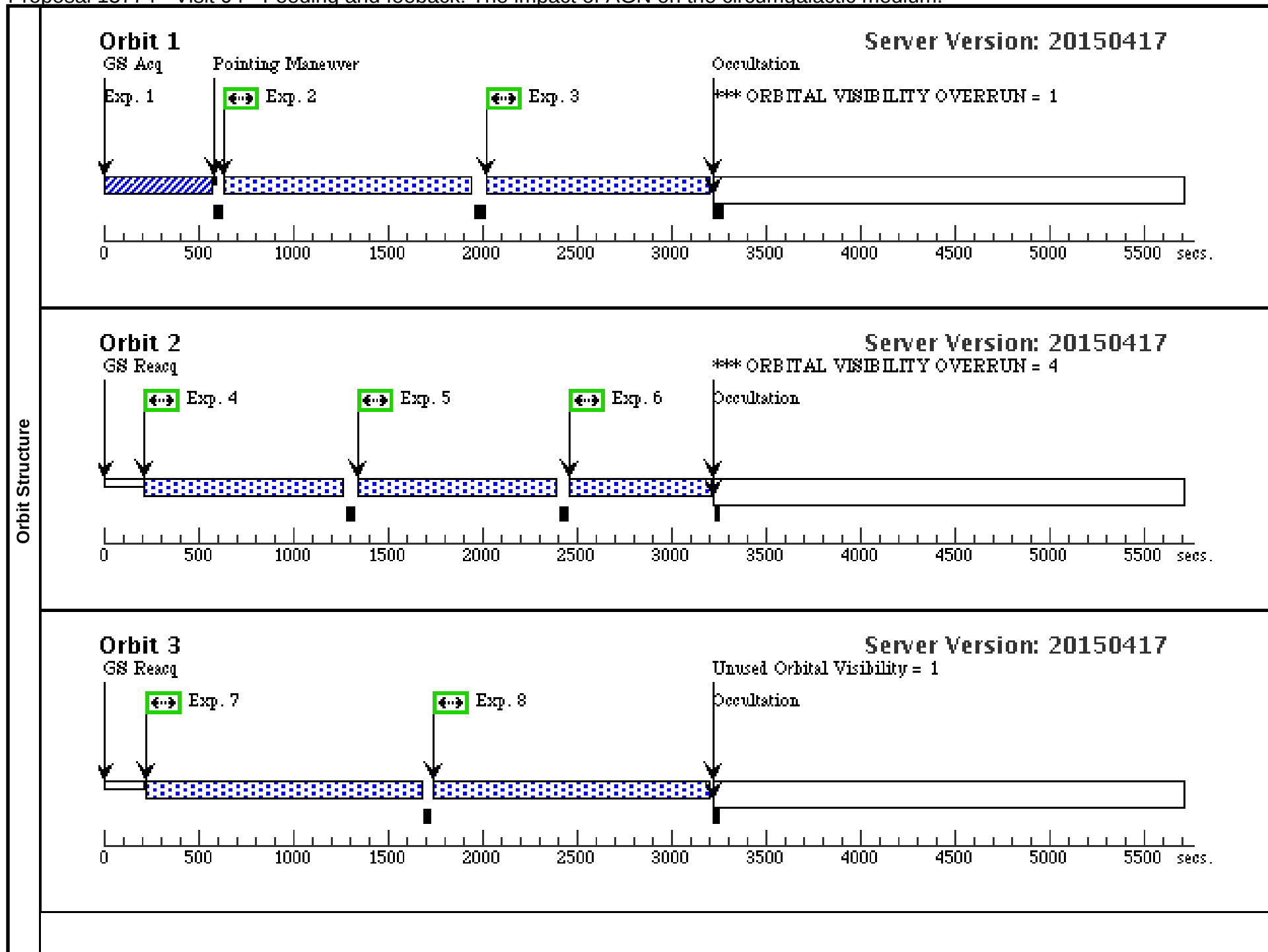
Visit	Proposal 13774, Visit 04, scheduling					Thu May 21 01:05:45 GMT 2015
	Diagnostic Status: Warning					
	Scientific Instruments: COS/NUV, COS/FUV					
	Special Requirements: (none)					
Diagnostics	(Visit 04) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(Visit 04) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(4)	SDSSJ160709.88+133419.0	RA: 16 07 9.8832 (241.7911800d) Dec: +13 34 19.20 (13.57200d) Equinox: J2000	Redshift: 0.209	V=17.2 FUV=17.76	Reference Frame: ICRS

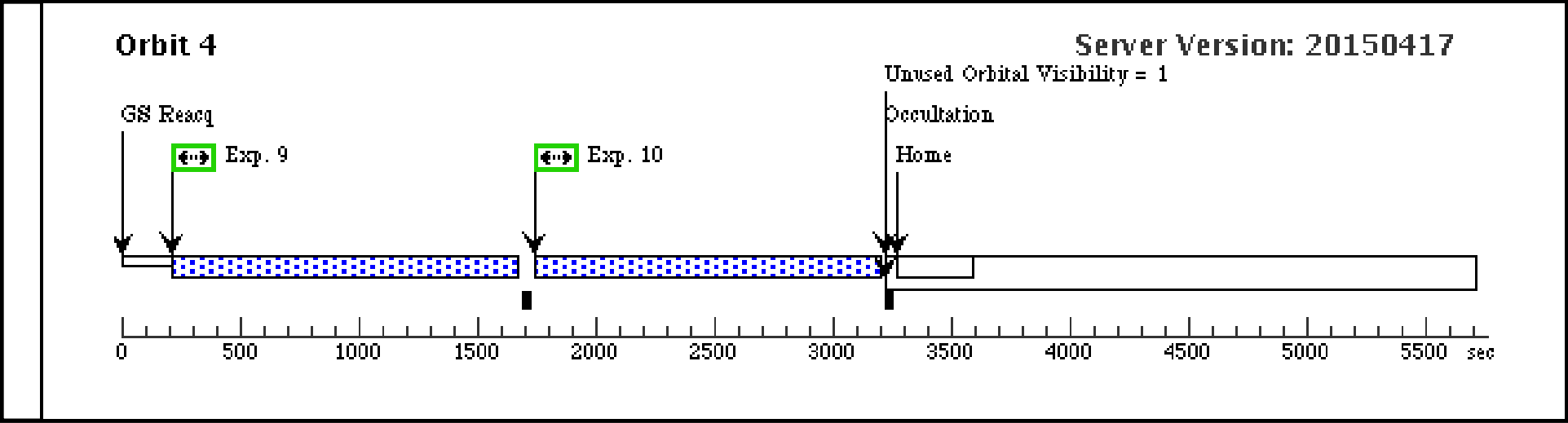
Proposal 13774 - Visit 04 - Feeding and feedback: The impact of AGN on the circumgalactic medium.

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/IMAG E Mirror B (COS.ta.616 563)	(4) SDSSJ160709.88 +133419.0	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				71 Secs (71 Secs) [==>]	[1]
	2	G130M 131 8 FP1 (COS.sp.618 255)	(4) SDSSJ160709.88 +133419.0	COS/FUV, TIME-TAG, PSA	G130M 1318 A	FP-POS=1; BUFFER-TIME=33 67; FLASH=YES			1132 Secs (1132 Secs) [==>]	[1]
	Comments: Buffer time set to 2/3 ETC time for FUV=17.75 and G130M combo									
	3	G130M 131 8 FP2 (COS.sp.618 255)	(4) SDSSJ160709.88 +133419.0	COS/FUV, TIME-TAG, PSA	G130M 1318 A	BUFFER-TIME=33 67; FLASH=YES; FP-POS=2			1132 Secs (1132 Secs) [==>]	[1]
	Comments: Buffer time set to 2/3 ETC time for FUV=17.75 and G130M combo									
	4	G130M 131 8 FP3 (COS.sp.618 255)	(4) SDSSJ160709.88 +133419.0	COS/FUV, TIME-TAG, PSA	G130M 1318 A	BUFFER-TIME=33 67; FLASH=YES; FP-POS=3			1000 Secs (1000 Secs) [==>]	[2]
	Comments: Buffer time set to 2/3 ETC time for FUV=17.75 and G130M combo									
	5	G130M 131 8 FP4 (COS.sp.618 255)	(4) SDSSJ160709.88 +133419.0	COS/FUV, TIME-TAG, PSA	G130M 1318 A	BUFFER-TIME=33 67; FLASH=YES; FP-POS=4			1000 Secs (1000 Secs) [==>]	[2]
	Comments: Buffer time set to 2/3 ETC time for FUV=17.75 and G130M combo									
Exposures	6	G160M 157 7 FP1 (COS.sp.618 256)	(4) SDSSJ160709.88 +133419.0	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=71 34; FLASH=YES; FP-POS=1			569 Secs (569 Secs) [==>]	[2]
	Comments: Buffer time set to 2/3 ETC time for FUV=17.75 and G160M combo									
	7	G160M 157 7 FP1 (COS.sp.618 256)	(4) SDSSJ160709.88 +133419.0	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=71 34; FLASH=YES; FP-POS=1			1412 Secs (1412 Secs) [==>]	[3]
	Comments: Buffer time set to 2/3 ETC time for FUV=17.75 and G160M combo									
	8	G160M 157 7 FP2 (COS.sp.618 256)	(4) SDSSJ160709.88 +133419.0	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=71 34; FLASH=YES; FP-POS=2			1412 Secs (1412 Secs) [==>]	[3]
	Comments: Buffer time set to 2/3 ETC time for FUV=17.75 and G160M combo									
	9	G160M 157 7 FP3 (COS.sp.618 256)	(4) SDSSJ160709.88 +133419.0	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=71 34; FLASH=YES; FP-POS=3			1412 Secs (1412 Secs) [==>]	[4]
	Comments: Buffer time set to 2/3 ETC time for FUV=17.75 and G160M combo									

Proposal 13774 - Visit 04 - Feeding and feedback: The impact of AGN on the circumgalactic medium.

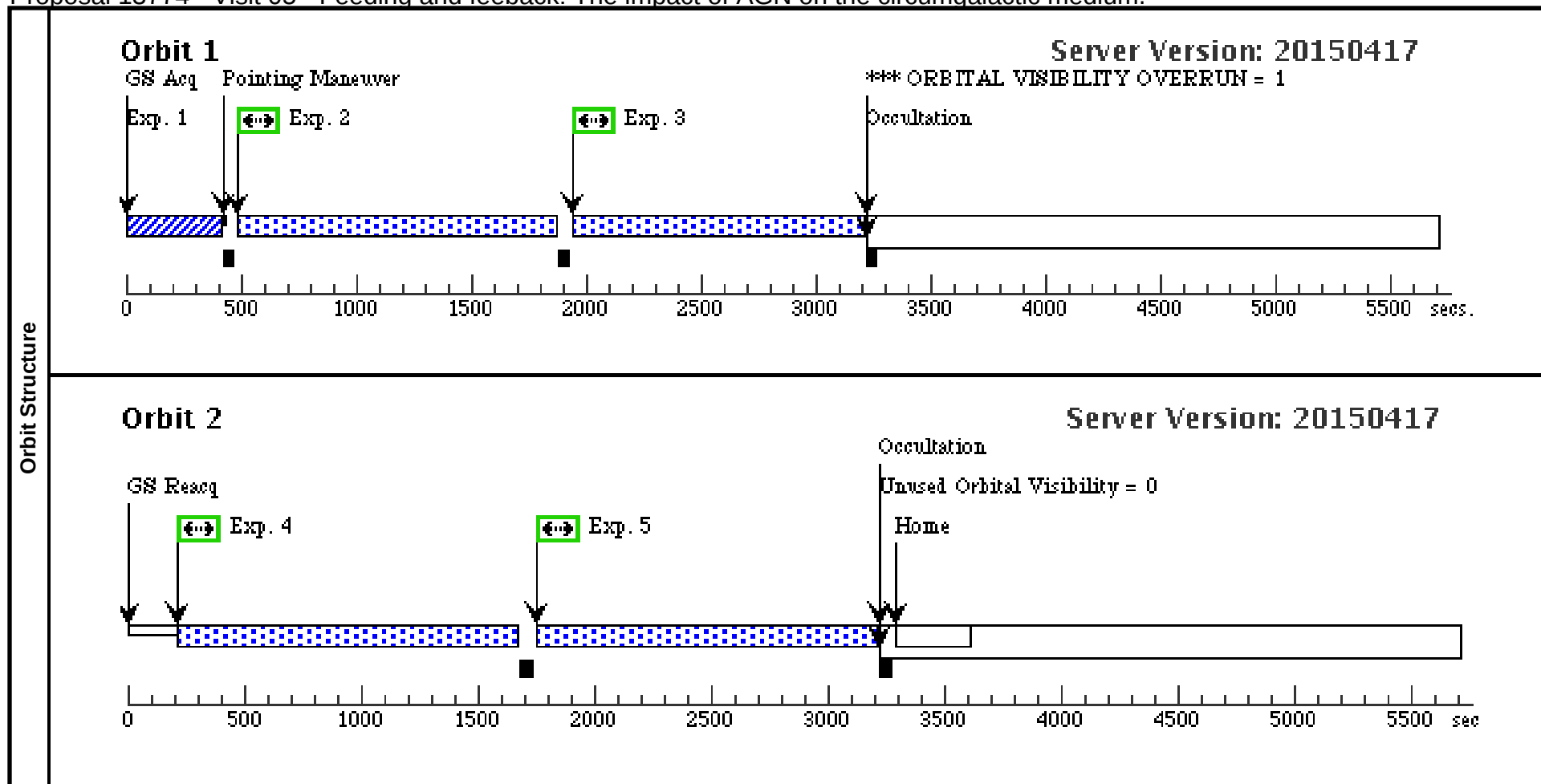
	10	G160M 157 (4) SDSSJ160709.88 7 FP4 +133419.0 (COS.sp.618 256)	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=71 34; FLASH=YES; FP-POS=4	1412 Secs (1412 Secs)	
						[==>]	[4]
						Comments: Buffer time set to 2/3 ETC time for FUV=17.75 and G160M combo	





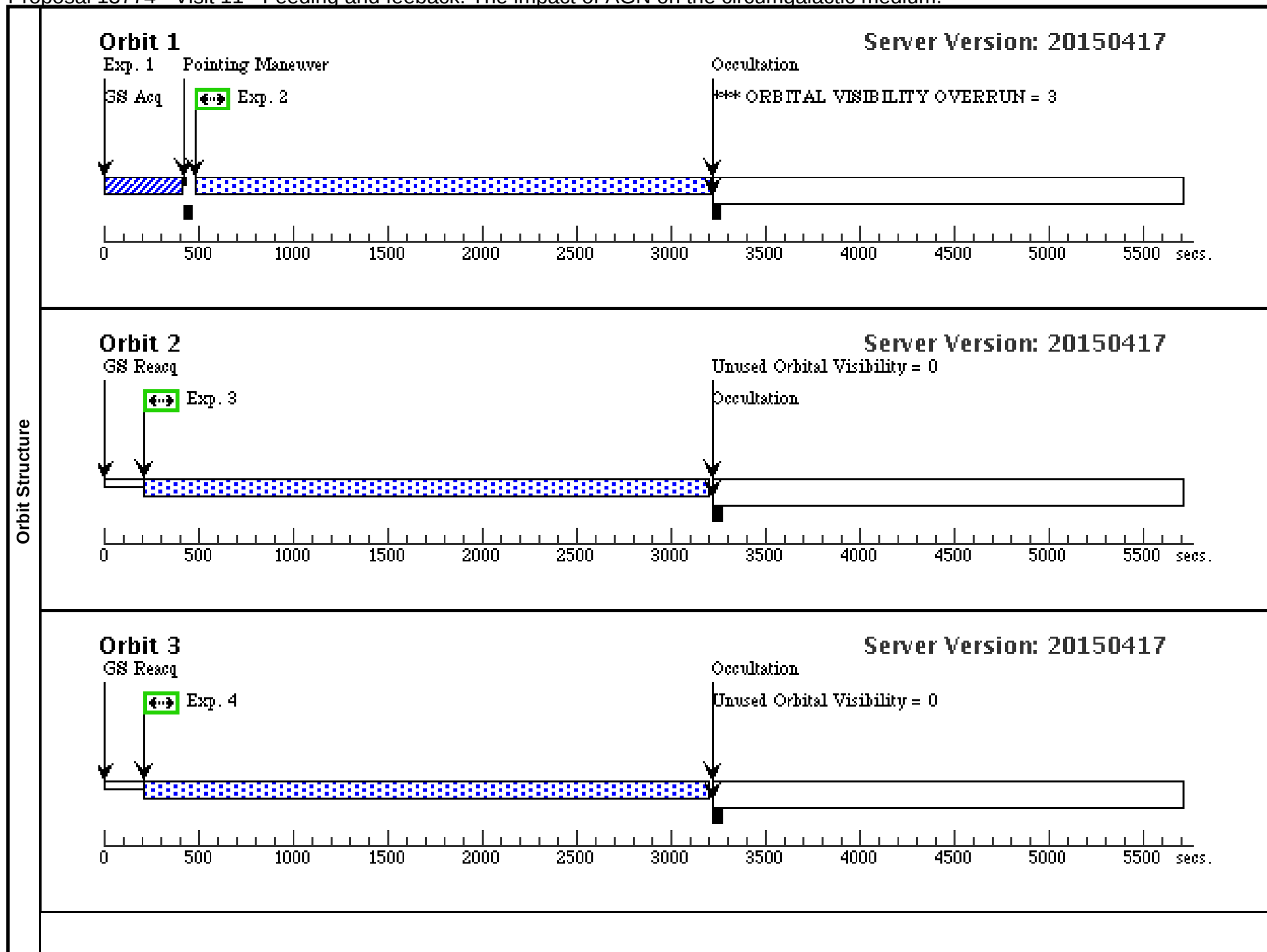
Proposal 13774 - Visit 05 - Feeding and feedback: The impact of AGN on the circumgalactic medium.

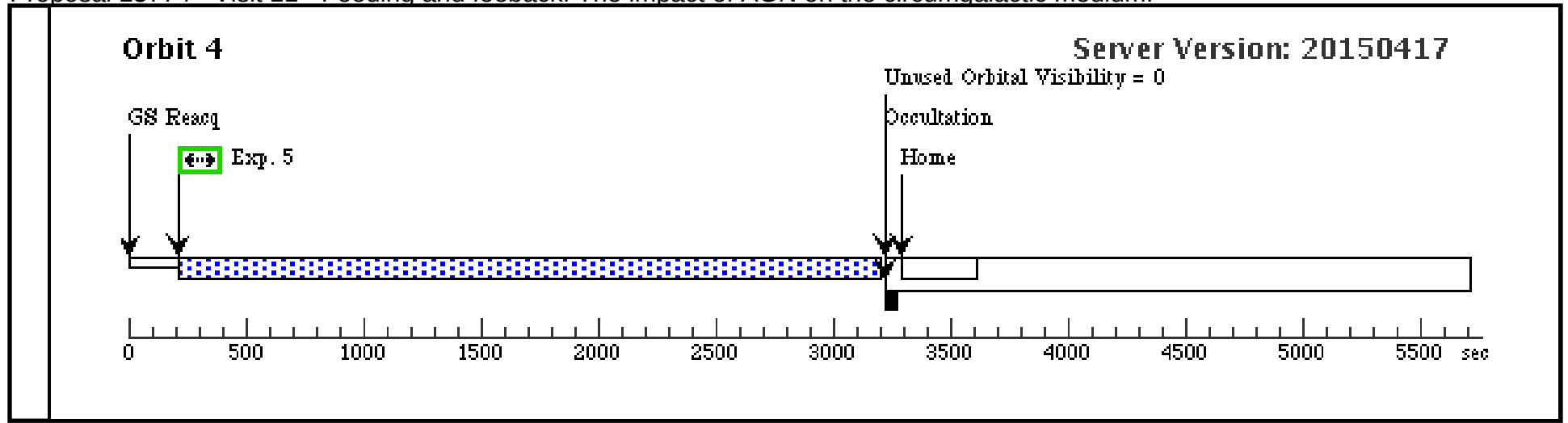
Visit	Proposal 13774, Visit 05, completed Thu May 21 01:05:46 GMT 2015									
	Diagnostic Status: Warning Scientific Instruments: COS/NUV, COS/FUV Special Requirements: (none)									
Diagnostics	(Visit 05) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(5)	SDSSJ011623.04+142940.5	RA: 01 16 23.0496 (19.0960400d) Dec: +14 29 40.56 (14.49460d) Equinox: J2000	Redshift: 0.394	V=17.6 FUV=18.44	Reference Frame: ICRS				
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/IMAG E Mirror A (COS.ta.616 565)	(5) SDSSJ011623.04 +142940.5	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				8 Secs (8 Secs) [==>]	[1]
	2	G130M 130 9 FP 1 (COS.sp.617 353)	(5) SDSSJ011623.04 +142940.5	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=38 14; FLASH=YES; FP-POS=1			1216 Secs (1216 Secs) [==>]	[1]
	<i>Comments: Buffer time set to 2/3 ETC time for FUV=18.5 and G130M combo</i>									
	3	G130M 130 9 FP 2 (COS.sp.617 353)	(5) SDSSJ011623.04 +142940.5	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=38 14; FLASH=YES; FP-POS=2			1216 Secs (1216 Secs) [==>]	[1]
	<i>Comments: Buffer time set to 2/3 ETC time for FUV=18.5 and G130M combo</i>									
	4	G130M 130 9 FP 3 (COS.sp.617 353)	(5) SDSSJ011623.04 +142940.5	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=38 14; FLASH=YES; FP-POS=3			1403 Secs (1403 Secs) [==>]	[2]
	<i>Comments: Buffer time set to 2/3 ETC time for FUV=18.5 and G130M combo</i>									
	5	G130M 130 9 FP 4 (COS.sp.617 353)	(5) SDSSJ011623.04 +142940.5	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=38 14; FLASH=YES; FP-POS=4			1403 Secs (1403 Secs) [==>]	[2]
	<i>Comments: Buffer time set to 2/3 ETC time for FUV=18.5 and G130M combo</i>									



Proposal 13774 - Visit 11 - Feeding and feedback: The impact of AGN on the circumgalactic medium.

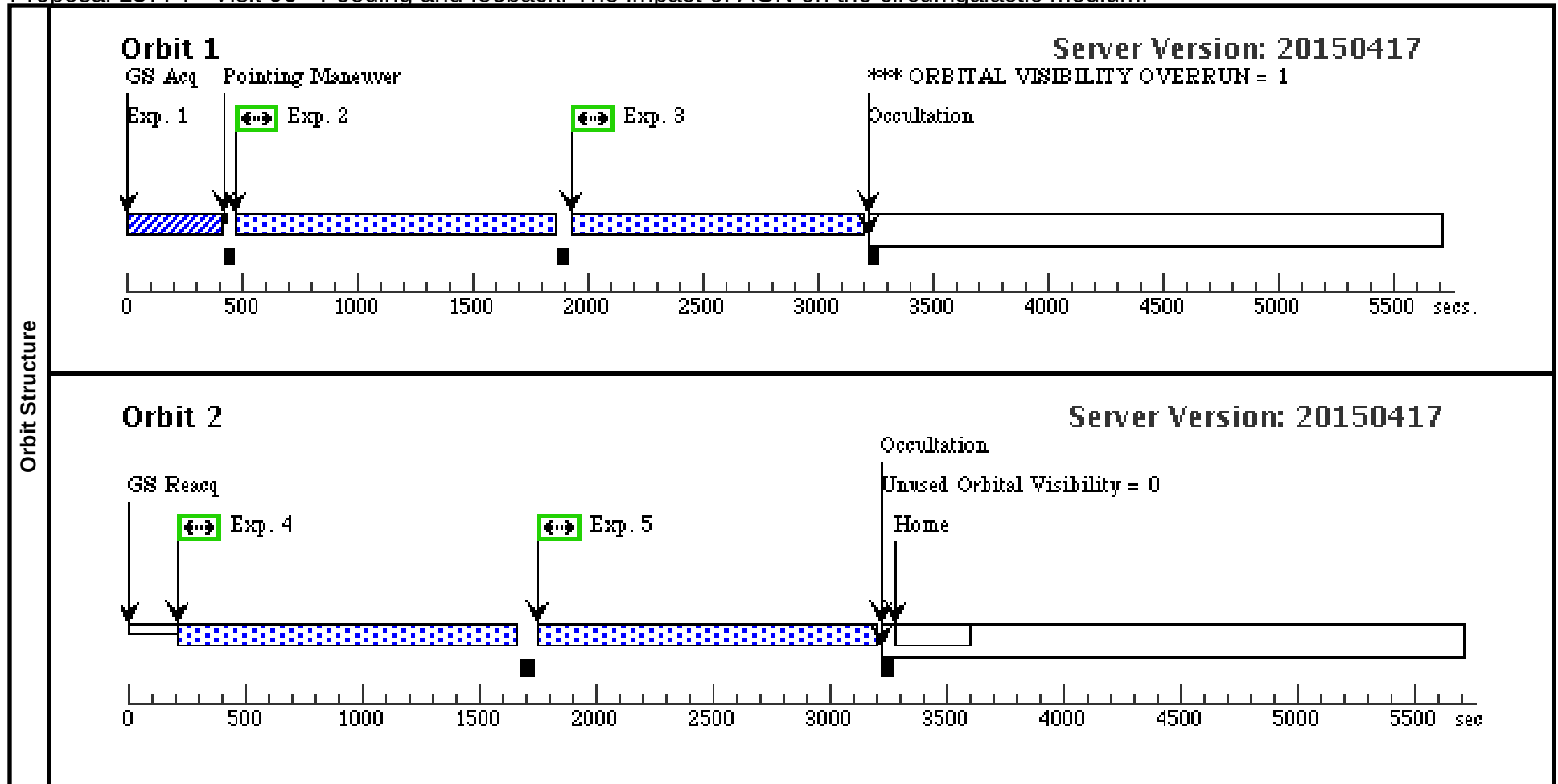
Visit	Proposal 13774, Visit 11, completed Thu May 21 01:05:46 GMT 2015									
	Diagnostic Status: Warning Scientific Instruments: COS/NUV, COS/FUV Special Requirements: (none)									
Diagnostics	(Visit 11) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(5)	SDSSJ011623.04+142940.5	RA: 01 16 23.0496 (19.0960400d) Dec: +14 29 40.56 (14.49460d) Equinox: J2000	Redshift: 0.394	V=17.6 FUV=18.44	Reference Frame: ICRS				
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/IMAG E Mirror A (COS.ta.616 565)	(5) SDSSJ011623.04 +142940.5	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				8 Secs (8 Secs) [==>]	[1]
	2	G160M 157 7 FP 1 (COS.sp.617 352)	(5) SDSSJ011623.04 +142940.5	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=87 77; FLASH=YES; FP-POS=1			2517 Secs (2517 Secs) [==>]	[1]
	<i>Comments: Buffer time set to 2/3 ETC time for FUV=18.5 and G160M combo</i>									
	3	G160M 157 7 FP 2 (COS.sp.617 352)	(5) SDSSJ011623.04 +142940.5	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=87 77; FLASH=YES; FP-POS=2			2940 Secs (2940 Secs) [==>]	[2]
	<i>Comments: Buffer time set to 2/3 ETC time for FUV=18.5 and G160M combo</i>									
	4	G160M 157 7 FP 3 (COS.sp.617 352)	(5) SDSSJ011623.04 +142940.5	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=87 77; FLASH=YES; FP-POS=3			2940 Secs (2940 Secs) [==>]	[3]
	<i>Comments: Buffer time set to 2/3 ETC time for FUV=18.5 and G160M combo</i>									
	5	G160M 157 7 FP 4 (COS.sp.617 352)	(5) SDSSJ011623.04 +142940.5	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=87 77; FLASH=YES; FP-POS=4			2940 Secs (2940 Secs) [==>]	[4]
	<i>Comments: Buffer time set to 2/3 ETC time for FUV=18.5 and G160M combo</i>									





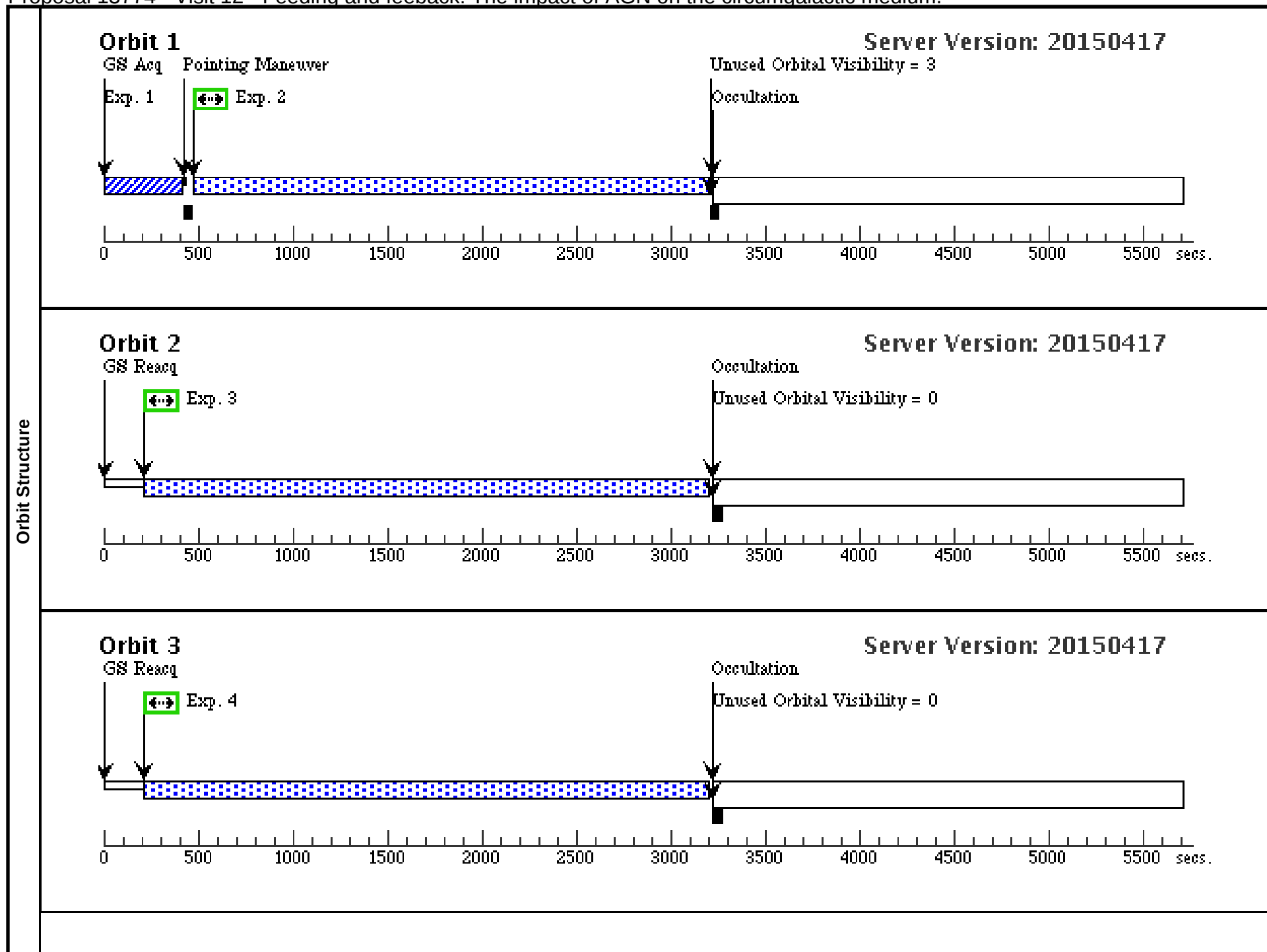
Proposal 13774 - Visit 06 - Feeding and feedback: The impact of AGN on the circumgalactic medium.

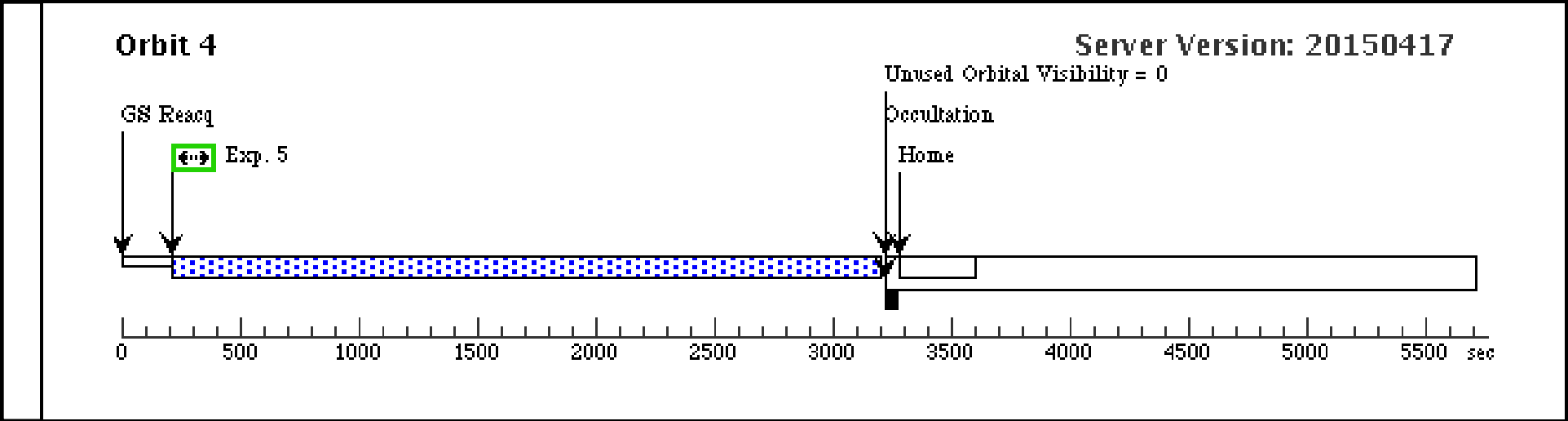
Visit	Proposal 13774, Visit 06, scheduling Thu May 21 01:05:46 GMT 2015									
	Diagnostic Status: Warning Scientific Instruments: COS/NUV, COS/FUV Special Requirements: (none)									
Diagnostics	(Visit 06) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(6)	SDSSJ232259.98-005359.2	RA: 23 22 59.9928 (350.7499700d) Dec: -00 53 59.28 (-.89980d) Equinox: J2000	Redshift: 0.150	V=16.8 FUV=18.31	Reference Frame: ICRS				
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/IMAG E Mirror A (COS.ta.616 566)	(6) SDSSJ232259.98-005359.2	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				6 Secs (6 Secs) [==>]	[1]
	2	G130M 129 1 FP1 (COS.sp.617 066)	(6) SDSSJ232259.98-005359.2	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=36 87; FLASH=YES; FP-POS=1			1219 Secs (1219 Secs) [==>]	[1]
	<i>Comments: Buffer time set to 2/3 ETC time for FUV=18.25 and G130M combo</i>									
	3	G130M 129 1 FP2 (COS.sp.617 066)	(6) SDSSJ232259.98-005359.2	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=36 87; FLASH=YES; FP-POS=2			1220 Secs (1220 Secs) [==>]	[1]
	<i>Comments: Buffer time set to 2/3 ETC time for FUV=18.25 and G130M combo</i>									
	4	G130M 129 1 FP3 (COS.sp.617 066)	(6) SDSSJ232259.98-005359.2	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=36 87; FLASH=YES; FP-POS=3			1401 Secs (1401 Secs) [==>]	[2]
	<i>Comments: Buffer time set to 2/3 ETC time for FUV=18.25 and G130M combo</i>									
	5	G130M 129 1 FP4 (COS.sp.617 066)	(6) SDSSJ232259.98-005359.2	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=36 87; FLASH=YES; FP-POS=4			1401 Secs (1401 Secs) [==>]	[2]
	<i>Comments: Buffer time set to 2/3 ETC time for FUV=18.25 and G130M combo</i>									



Proposal 13774 - Visit 12 - Feeding and feedback: The impact of AGN on the circumgalactic medium.

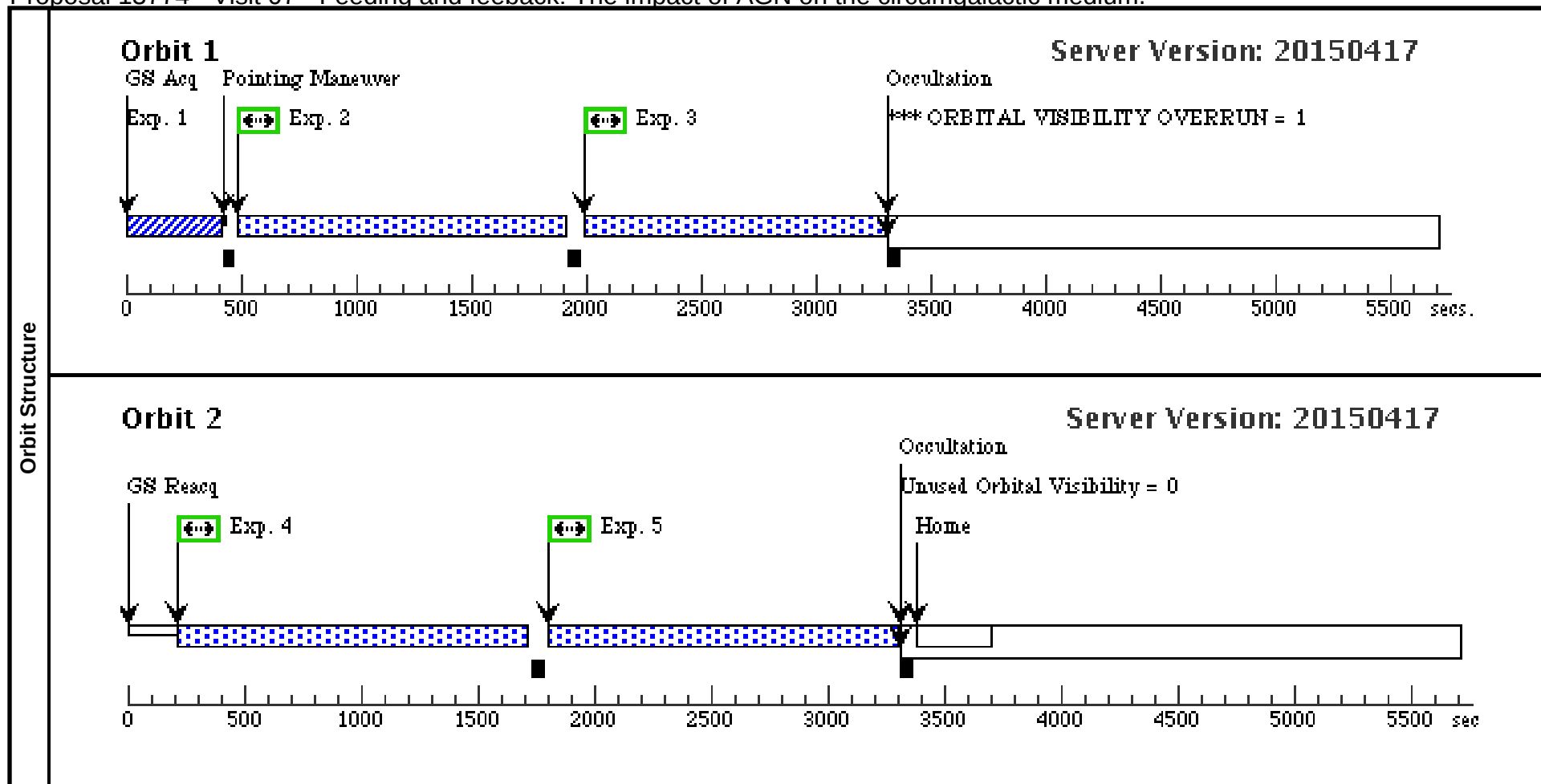
Visit	Proposal 13774, Visit 12, scheduling										Thu May 21 01:05:46 GMT 2015	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: COS/NUV, COS/FUV											
	Special Requirements: (none)											
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(6)	SDSSJ232259.98-005359.2		RA: 23 22 59.9928 (350.7499700d) Dec: -00 53 59.28 (-.89980d) Equinox: J2000		Redshift: 0.150		V=16.8 FUV=18.31		Reference Frame: ICRS		
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	ACQ/IMAG E Mirror A (COS.ta.616 566)	(6) SDSSJ232259.98 -005359.2	COS/NUV, ACQ/IMAGE, PSA		MIRRORA				6 Secs (6 Secs) [==>]		[1]
	2	G160M 160 0 FP1 (COS.sp.617 070)	(6) SDSSJ232259.98 -005359.2	COS/FUV, TIME-TAG, PSA		G160M 1600 A	BUFFER-TIME=82 81; FLASH=YES; FP-POS=1			2517 Secs (2517 Secs) [==>]		[1]
	Comments: Buffer time set to 2/3 ETC time for FUV=18.25 and G160M combo											
	3	G160M 160 0 FP2 (COS.sp.617 070)	(6) SDSSJ232259.98 -005359.2	COS/FUV, TIME-TAG, PSA		G160M 1600 A	BUFFER-TIME=82 81; FLASH=YES; FP-POS=2			2936 Secs (2936 Secs) [==>]		[2]
	Comments: Buffer time set to 2/3 ETC time for FUV=18.25 and G160M combo											
	4	G160M 160 0 FP3 (COS.sp.617 070)	(6) SDSSJ232259.98 -005359.2	COS/FUV, TIME-TAG, PSA		G160M 1600 A	BUFFER-TIME=82 81; FLASH=YES; FP-POS=3			2936 Secs (2936 Secs) [==>]		[3]
	Comments: Buffer time set to 2/3 ETC time for FUV=18.25 and G160M combo											
	5	G160M 160 0 FP4 (COS.sp.617 070)	(6) SDSSJ232259.98 -005359.2	COS/FUV, TIME-TAG, PSA		G160M 1600 A	BUFFER-TIME=82 81; FLASH=YES; FP-POS=4			2936 Secs (2936 Secs) [==>]		[4]
	Comments: Buffer time set to 2/3 ETC time for FUV=18.25 and G160M combo											





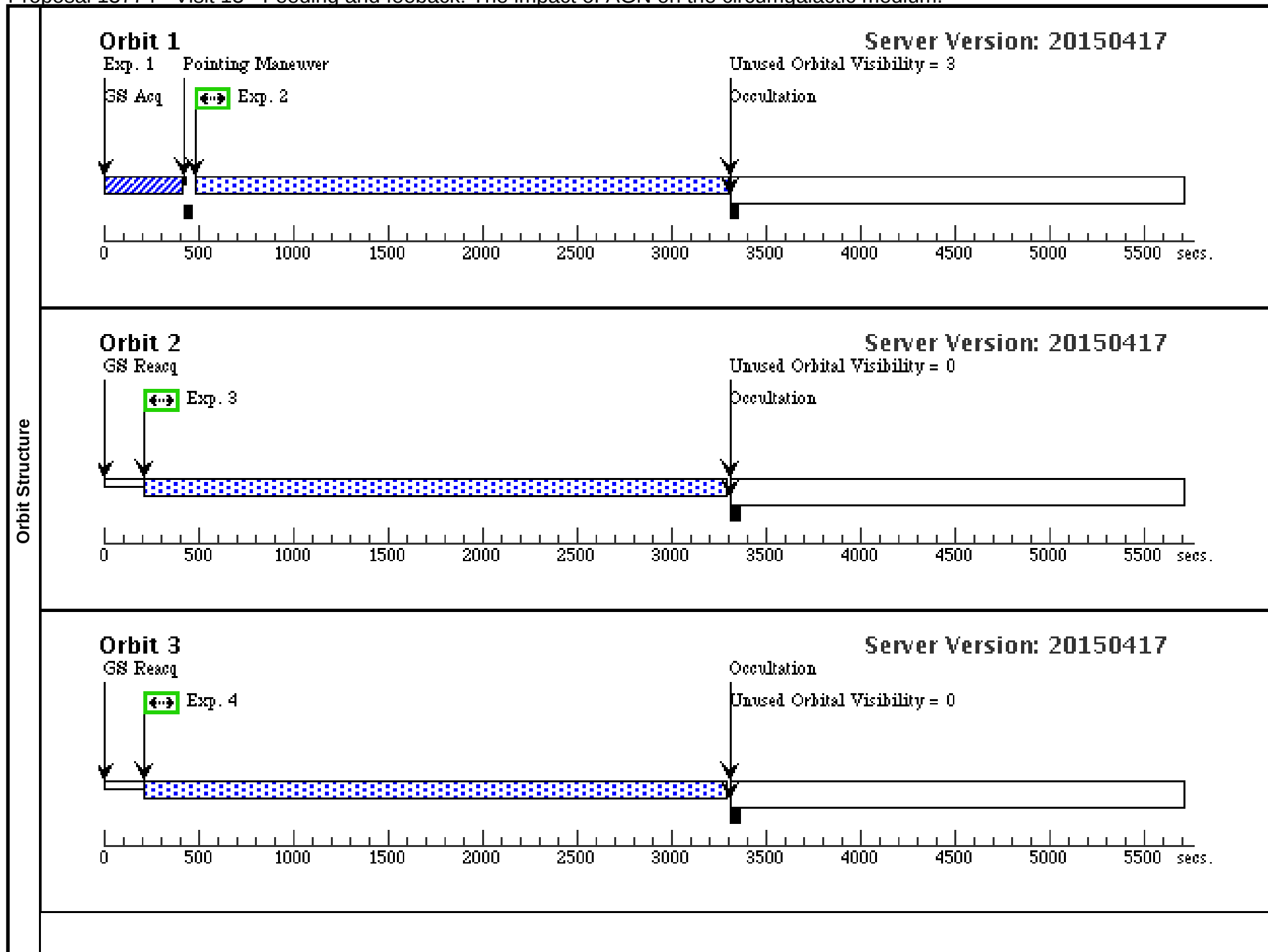
Proposal 13774 - Visit 07 - Feeding and feedback: The impact of AGN on the circumgalactic medium.

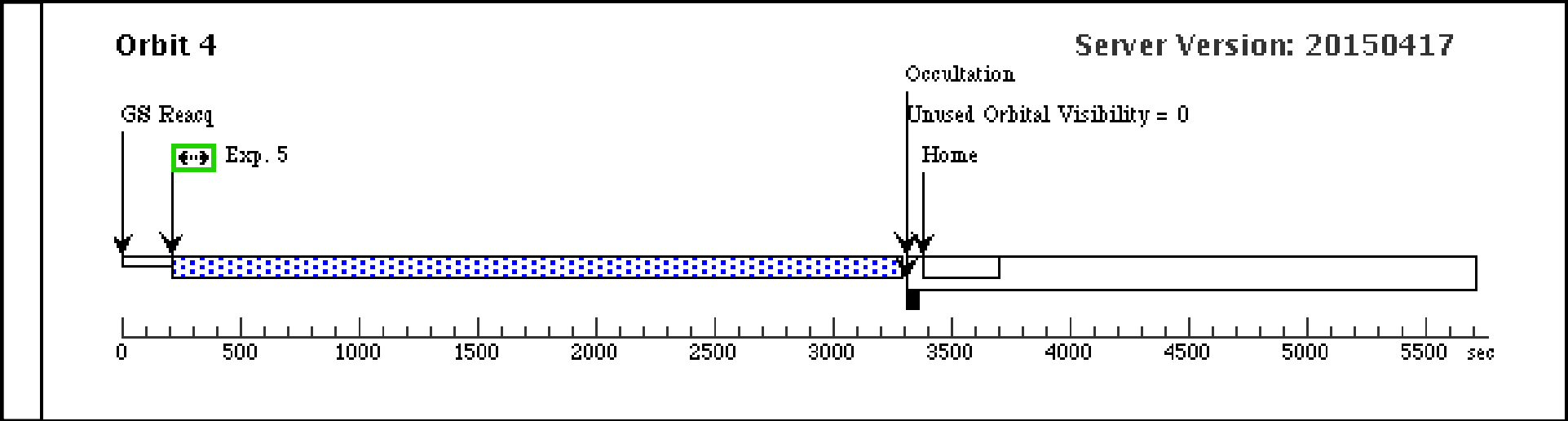
Visit	Proposal 13774, Visit 07, completed										Thu May 21 01:05:46 GMT 2015
	Diagnostic Status: Warning										
	Scientific Instruments: COS/NUV, COS/FUV										
	Special Requirements: (none)										
Diagnos	(Visit 07) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(7)	SDSSJ085116.14+424328.8	RA: 08 51 16.1472 (132.8172800d) Dec: +42 43 28.92 (42.72470d) Equinox: J2000		Redshift: 0.482		V=17.5 FUV=18.35		Reference Frame: ICRS		
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	ACQ/IMAG E Mirror A (COS.ta.616 566)	(7) SDSSJ085116.14 +424328.8	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				7 Secs (7 Secs)		
									[==>]	[1]	
	2	G130M 131 8 FP1 (COS.sp.617 066)	(7) SDSSJ085116.14 +424328.8	COS/FUV, TIME-TAG, PSA	G130M 1318 A	BUFFER-TIME=36 87; FLASH=YES; FP-POS=1			1255 Secs (1255 Secs)		
									[==>]	[1]	
	Comments: Buffer time set to 2/3 ETC time for FUV=18.25 and G130M combo										
	3	G130M 131 8 FP2 (COS.sp.617 066)	(7) SDSSJ085116.14 +424328.8	COS/FUV, TIME-TAG, PSA	G130M 1318 A	BUFFER-TIME=36 87; FLASH=YES; FP-POS=2			1256 Secs (1256 Secs)		
									[==>]	[1]	
	Comments: Buffer time set to 2/3 ETC time for FUV=18.25 and G130M combo										
	4	G130M 131 8 FP3 (COS.sp.617 066)	(7) SDSSJ085116.14 +424328.8	COS/FUV, TIME-TAG, PSA	G130M 1318 A	BUFFER-TIME=36 87; FLASH=YES; FP-POS=3			1448 Secs (1448 Secs)		
								[==>]	[2]		
Comments: Buffer time set to 2/3 ETC time for FUV=18.25 and G130M combo											
5	G130M F13 18 P4 (COS.sp.617 066)	(7) SDSSJ085116.14 +424328.8	COS/FUV, TIME-TAG, PSA	G130M 1318 A	BUFFER-TIME=36 87; FLASH=YES; FP-POS=4			1448 Secs (1448 Secs)			
								[==>]	[2]		
Comments: Buffer time set to 2/3 ETC time for FUV=18.25 and G130M combo											



Proposal 13774 - Visit 13 - Feeding and feedback: The impact of AGN on the circumgalactic medium.

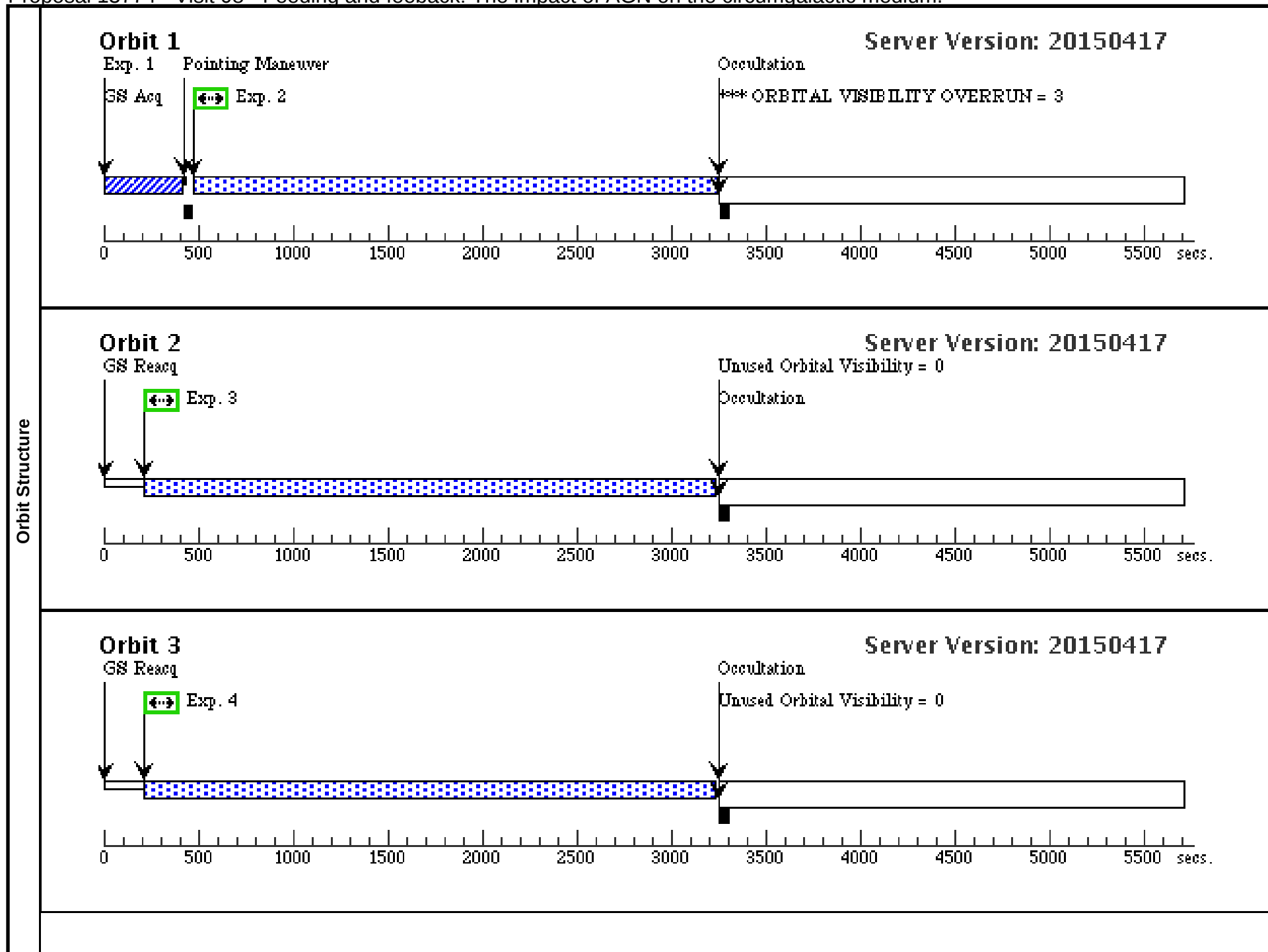
Visit	Proposal 13774, Visit 13, scheduled										Thu May 21 01:05:46 GMT 2015
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: COS/NUV, COS/FUV										
	Special Requirements: (none)										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(7)	SDSSJ085116.14+424328.8	RA: 08 51 16.1472 (132.8172800d) Dec: +42 43 28.92 (42.72470d) Equinox: J2000		Redshift: 0.482		V=17.5 FUV=18.35		Reference Frame: ICRS		
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	ACQ/IMAG E Mirror A (COS.ta.616 566)	(7) SDSSJ085116.14 +424328.8	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				7 Secs (7 Secs) [==>]		[1]
	2	G160M 161 1 FP1 (COS.sp.617 070)	(7) SDSSJ085116.14 +424328.8	COS/FUV, TIME-TAG, PSA	G160M 1611 A	BUFFER-TIME=82 81; FLASH=YES; FP-POS=1			2605 Secs (2605 Secs) [==>]		[1]
	Comments: Buffer time set to 2/3 ETC time for FUV=18.25 and G160M combo										
	3	G160M 161 1 FP2 (COS.sp.617 070)	(7) SDSSJ085116.14 +424328.8	COS/FUV, TIME-TAG, PSA	G160M 1611 A	BUFFER-TIME=82 81; FLASH=YES; FP-POS=2			3030 Secs (3030 Secs) [==>]		[2]
	Comments: Buffer time set to 2/3 ETC time for FUV=18.25 and G160M combo										
	4	G160M 161 1 FP3 (COS.sp.617 070)	(7) SDSSJ085116.14 +424328.8	COS/FUV, TIME-TAG, PSA	G160M 1611 A	BUFFER-TIME=82 81; FLASH=YES; FP-POS=3			3030 Secs (3030 Secs) [==>]		[3]
	Comments: Buffer time set to 2/3 ETC time for FUV=18.25 and G160M combo										
	5	G160M 161 1 FP4 (COS.sp.617 070)	(7) SDSSJ085116.14 +424328.8	COS/FUV, TIME-TAG, PSA	G160M 1611 A	BUFFER-TIME=82 81; FLASH=YES; FP-POS=4			3030 Secs (3030 Secs) [==>]		[4]
	Comments: Buffer time set to 2/3 ETC time for FUV=18.25 and G160M combo										

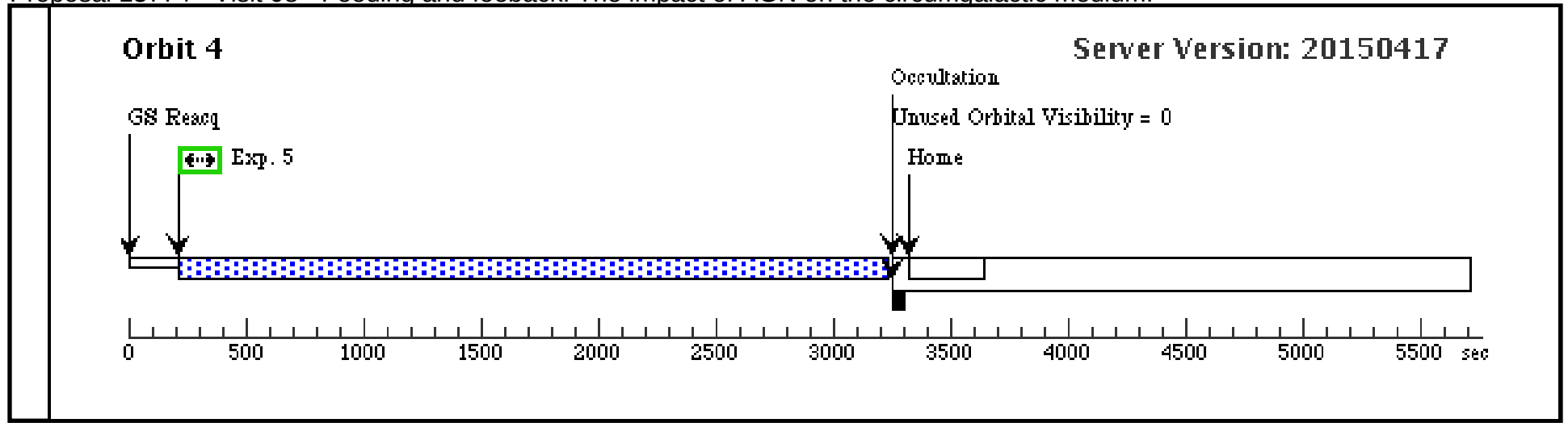




Proposal 13774 - Visit 08 - Feeding and feedback: The impact of AGN on the circumgalactic medium.

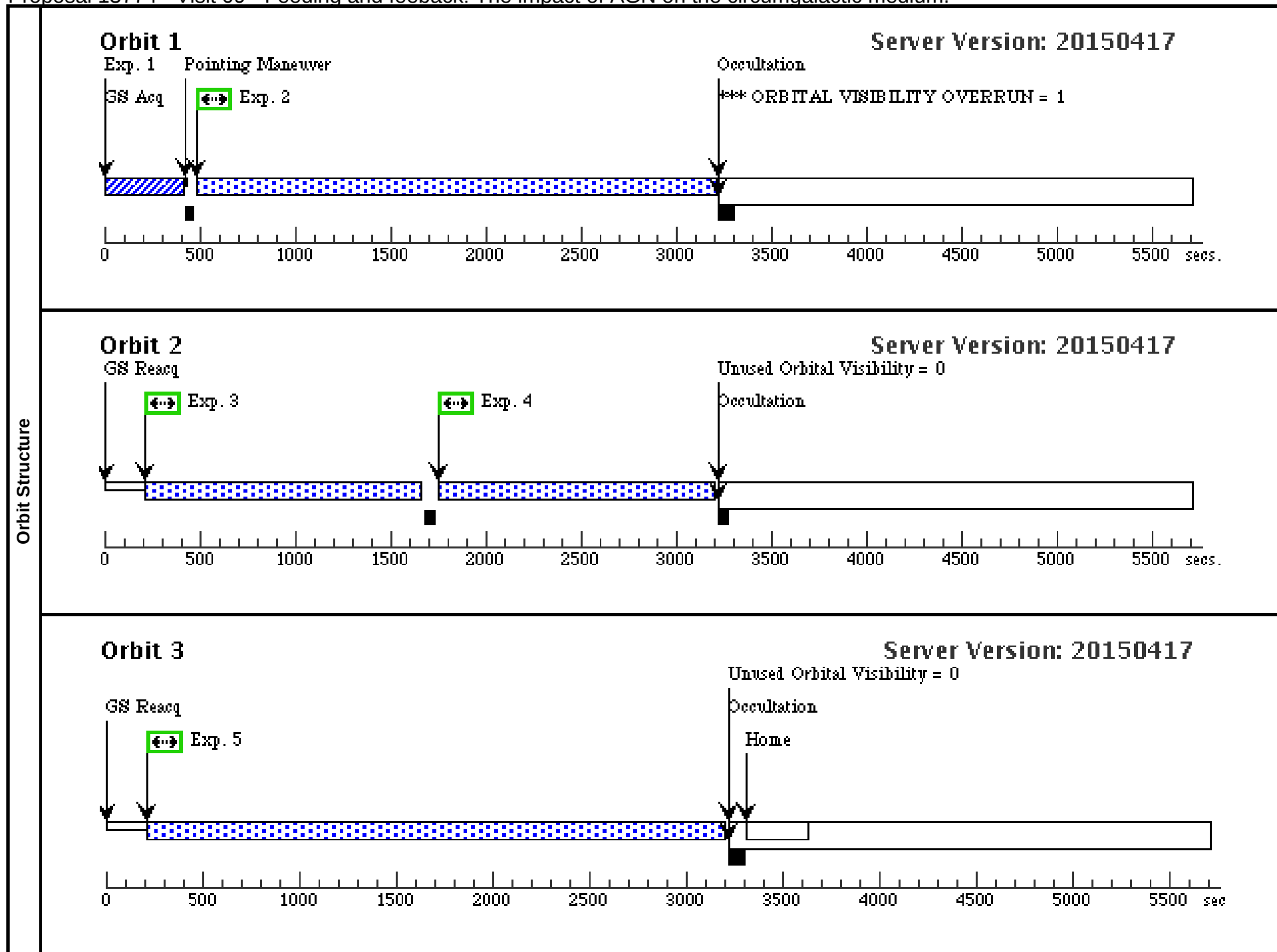
Visit	Proposal 13774, Visit 08, completed Thu May 21 01:05:47 GMT 2015									
	Diagnostic Status: Warning Scientific Instruments: COS/NUV, COS/FUV Special Requirements: (none)									
Diagnostics	(Visit 08) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(8)	SDSSJ114212.32+301613.3	RA: 11 42 12.3240 (175.5513500d) Dec: +30 16 13.44 (30.27040d) Equinox: J2000	Redshift: 0.481	V=17.0 FUV=18.25	Reference Frame: ICRS				
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/IMAG E Mirror A (COS.ta.616 566)	(8) SDSSJ114212.32 +301613.3	COS/NUV, ACQ/IMAGE, PSA	MIRRORA		GS ACQ SCENARI O BASE1B3		6 Secs (6 Secs) [==>]	[1]
	2	G160M 157 7 FP1 (COS.sp.617 070)	(8) SDSSJ114212.32 +301613.3	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=82 81; FP-POS=1; FLASH=YES			2552 Secs (2552 Secs) [==>]	[1]
	Comments: Buffer time set to 2/3 ETC time for FUV=18.25 and G160M combo									
	3	G160M 157 7 FP2 (COS.sp.617 070)	(8) SDSSJ114212.32 +301613.3	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=82 81; FP-POS=2; FLASH=YES			2971 Secs (2971 Secs) [==>]	[2]
	Comments: Buffer time set to 2/3 ETC time for FUV=18.25 and G160M combo									
	4	G160M 157 7 FP3 (COS.sp.617 070)	(8) SDSSJ114212.32 +301613.3	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=82 81; FP-POS=3; FLASH=YES			2971 Secs (2971 Secs) [==>]	[3]
	Comments: Buffer time set to 2/3 ETC time for FUV=18.25 and G160M combo									
	5	G160M 157 7 FP4 (COS.sp.617 070)	(8) SDSSJ114212.32 +301613.3	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=82 81; FP-POS=4; FLASH=YES			2971 Secs (2971 Secs) [==>]	[4]
	Comments: Buffer time set to 2/3 ETC time for FUV=18.25 and G160M combo									





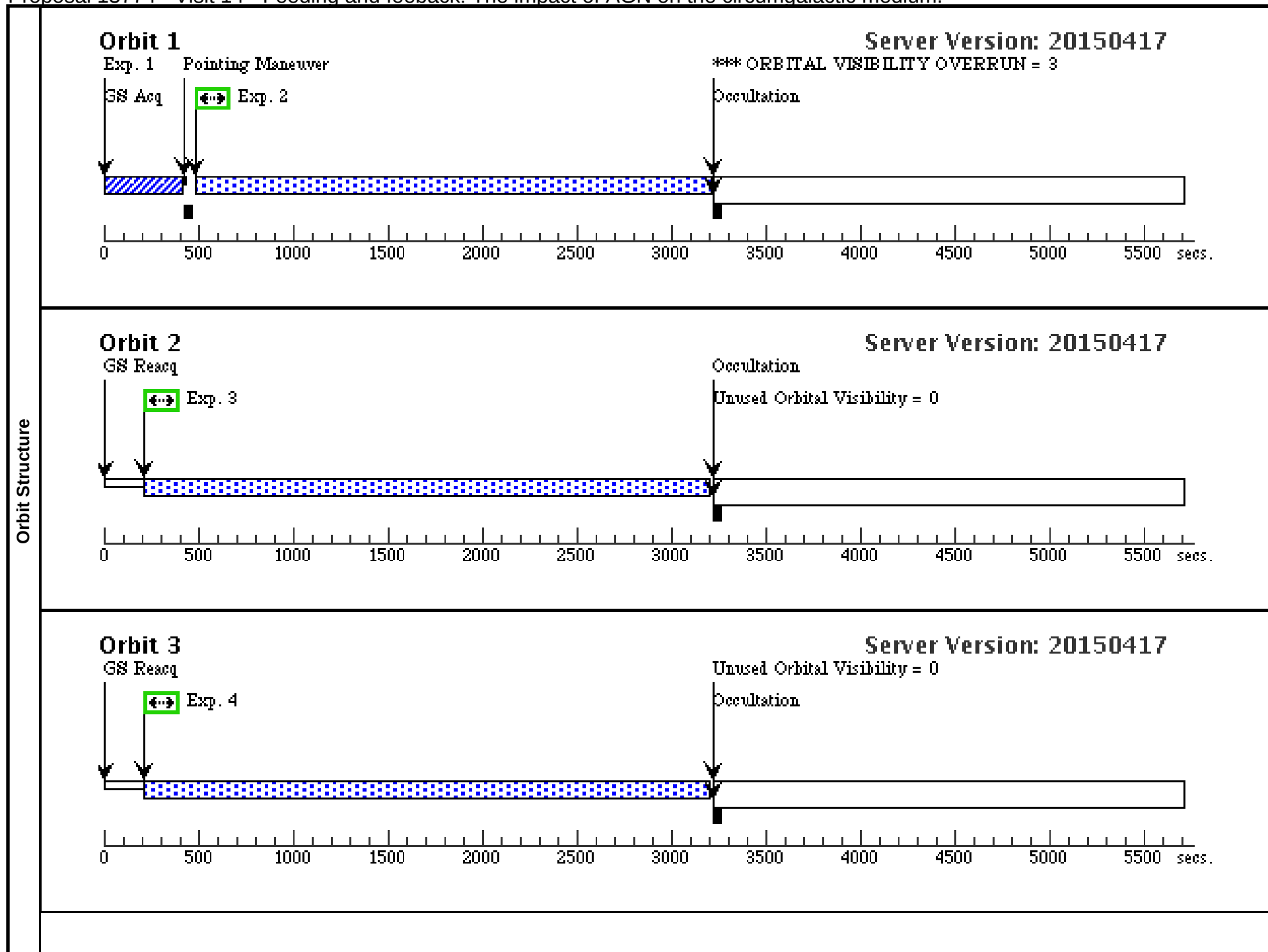
Proposal 13774 - Visit 09 - Feeding and feedback: The impact of AGN on the circumgalactic medium.

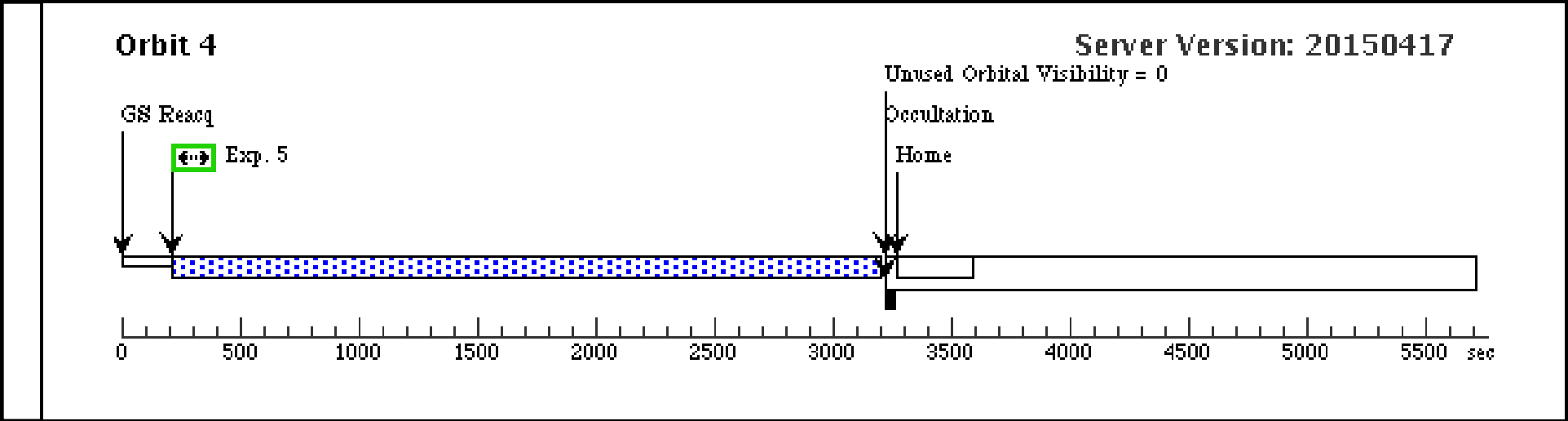
Visit	Proposal 13774, Visit 09, completed										Thu May 21 01:05:47 GMT 2015
	Diagnostic Status: Warning										
	Scientific Instruments: COS/NUV, COS/FUV										
	Special Requirements: (none)										
Diagnos	(Visit 09) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(9)	SDSSJ213357.89-071217.3	RA: 21 33 57.8904 (323.4912100d) Dec: -07 12 17.28 (-7.20480d) Equinox: J2000		Redshift: 0.24		V=18.2 FUV=18.60		Reference Frame: ICRS		
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	ACQ/IMAG E Mirror A (COS.ta.616 567)	(9) SDSSJ213357.89-071217.3	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				8 Secs (8 Secs) [==>]		[1]
	2	G130M 130 9 FP 1 (COS.sp.618 259)	(9) SDSSJ213357.89-071217.3	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=38 24; FLASH=YES; FP-POS=1			2552 Secs (2552 Secs) [==>]		[1]
	Comments: Buffer time set to 2/3 ETC time for FUV=18.6 and G130M combo										
	3	G130M 130 9 FP 2 (COS.sp.618 259)	(9) SDSSJ213357.89-071217.3	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=38 24; FLASH=YES; FP-POS=2			1401 Secs (1401 Secs) [==>]		[2]
	Comments: Buffer time set to 2/3 ETC time for FUV=18.6 and G130M combo										
	4	G130M 130 9 FP 3 (COS.sp.618 259)	(9) SDSSJ213357.89-071217.3	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=38 24; FLASH=YES; FP-POS=3			1401 Secs (1401 Secs) [==>]		[2]
	Comments: Buffer time set to 2/3 ETC time for FUV=18.6 and G130M combo										
	5	G130M 130 9 FP 4 (COS.sp.618 259)	(9) SDSSJ213357.89-071217.3	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=38 24; FLASH=YES; FP-POS=4			2936 Secs (2936 Secs) [==>]		[3]
	Comments: Buffer time set to 2/3 ETC time for FUV=18.6 and G130M combo										



Proposal 13774 - Visit 14 - Feeding and feedback: The impact of AGN on the circumgalactic medium.

Visit	Proposal 13774, Visit 14, completed										Thu May 21 01:05:47 GMT 2015	
	Diagnostic Status: Warning											
	Scientific Instruments: COS/NUV, COS/FUV											
	Special Requirements: (none)											
Diagnos	(Visit 14) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(9)	SDSSJ213357.89-071217.3	RA: 21 33 57.8904 (323.4912100d) Dec: -07 12 17.28 (-7.20480d) Equinox: J2000		Redshift: 0.24		V=18.2 FUV=18.60		Reference Frame: ICRS			
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	ACQ/IMAG E Mirror A (COS.ta.616 567)	(9) SDSSJ213357.89 -071217.3	COS/NUV, ACQ/IMAGE, PSA		MIRRORA				8 Secs (8 Secs) [==>]		[1]
	2	G160M 157 7 FP1 (COS.sp.618 264)	(9) SDSSJ213357.89 -071217.3	COS/FUV, TIME-TAG, PSA		G160M 1577 A	BUFFER-TIME=88 79; FLASH=YES; FP-POS=1			2513 Secs (2513 Secs) [==>]		[1]
	Comments: Buffer time set to 2/3 ETC time for FUV=18.6 and G160M combo											
	3	G160M 157 7 FP2 (COS.sp.618 264)	(9) SDSSJ213357.89 -071217.3	COS/FUV, TIME-TAG, PSA		G160M 1577 A	BUFFER-TIME=88 79; FLASH=YES; FP-POS=2			2936 Secs (2936 Secs) [==>]		[2]
	Comments: Buffer time set to 2/3 ETC time for FUV=18.6 and G160M combo											
	4	G160M 157 7 FP3 (COS.sp.618 264)	(9) SDSSJ213357.89 -071217.3	COS/FUV, TIME-TAG, PSA		G160M 1577 A	BUFFER-TIME=88 79; FLASH=YES; FP-POS=3			2936 Secs (2936 Secs) [==>]		[3]
	Comments: Buffer time set to 2/3 ETC time for FUV=18.6 and G160M combo											
	5	G160M 157 7 FP4 (COS.sp.618 264)	(9) SDSSJ213357.89 -071217.3	COS/FUV, TIME-TAG, PSA		G160M 1577 A	BUFFER-TIME=88 79; FLASH=YES; FP-POS=4			2936 Secs (2936 Secs) [==>]		[4]
	Comments: Buffer time set to 2/3 ETC time for FUV=18.6 and G160M combo											



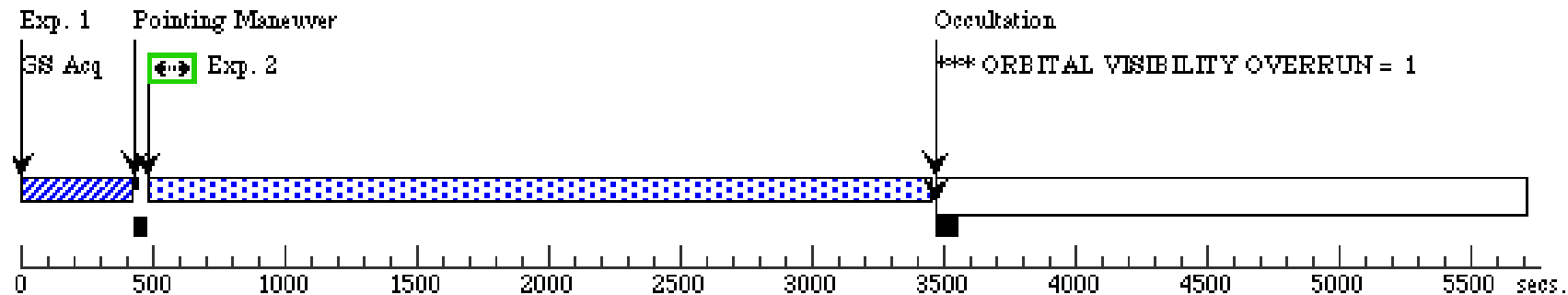


Proposal 13774 - Visit 10 - Feeding and feedback: The impact of AGN on the circumgalactic medium.

Visit	Proposal 13774, Visit 10, scheduled										Thu May 21 01:05:47 GMT 2015
	Diagnostic Status: Warning										
	Scientific Instruments: COS/NUV, COS/FUV										
	Special Requirements: (none)										
Diagnostics	(Visit 10) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.										
	(Visit 10) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
	(10)	SDSSJ094840.08+580039.1	RA: 09 48 40.0824 (147.1670100d) Dec: +58 00 39.24 (58.01090d) Equinox: J2000	Redshift: 0.492	V=18.6 FUV=18.85	Reference Frame: ICRS					
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	ACQ/IMAG E Mirror A (COS.ta.616 568)	(10) SDSSJ094840.0 8+580039.1	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				11 Secs (11 Secs) [==>]	[1]	
	2	G130M 129 1 FP1 (COS.sp.617 363)	(10) SDSSJ094840.0 8+580039.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FLASH=YES; BUFFER-TIME=39 22; FP-POS=1			2801 Secs (2801 Secs) [==>]	[1]	
	Comments: Buffer time set to 2/3 ETC time for FUV=18.75 and G130M combo										
	3	G130M 129 1 FP2 (COS.sp.617 363)	(10) SDSSJ094840.0 8+580039.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FLASH=YES; BUFFER-TIME=39 22; FP-POS=2			3184 Secs (3184 Secs) [==>]	[2]	
	Comments: Buffer time set to 2/3 ETC time for FUV=18.75 and G130M combo										
	4	G130M 129 1 FP3 (COS.sp.617 363)	(10) SDSSJ094840.0 8+580039.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FLASH=YES; BUFFER-TIME=39 22; FP-POS=3			1525 Secs (1525 Secs) [==>]	[3]	
	Comments: Buffer time set to 2/3 ETC time for FUV=18.75 and G130M combo										
	5	G130M 129 1 FP4 (COS.sp.617 363)	(10) SDSSJ094840.0 8+580039.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FLASH=YES; BUFFER-TIME=39 22; FP-POS=4			1525 Secs (1525 Secs) [==>]	[3]	
	Comments: Buffer time set to 2/3 ETC time for FUV=18.75 and G130M combo										
	6	G160M 158 9 FP4 (COS.sp.617 365)	(10) SDSSJ094840.0 8+580039.1	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=92 16; FLASH=YES; FP-POS=4			3182 Secs (3182 Secs) [==>]	[4]	
	Comments: Buffer time set to 2/3 ETC time for FUV=18.75 and G160M combo										

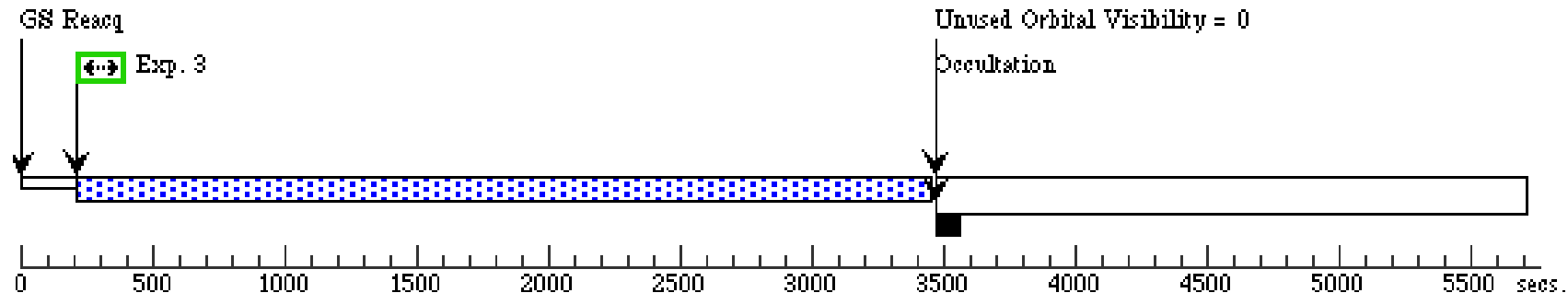
Orbit 1

Server Version: 20150417



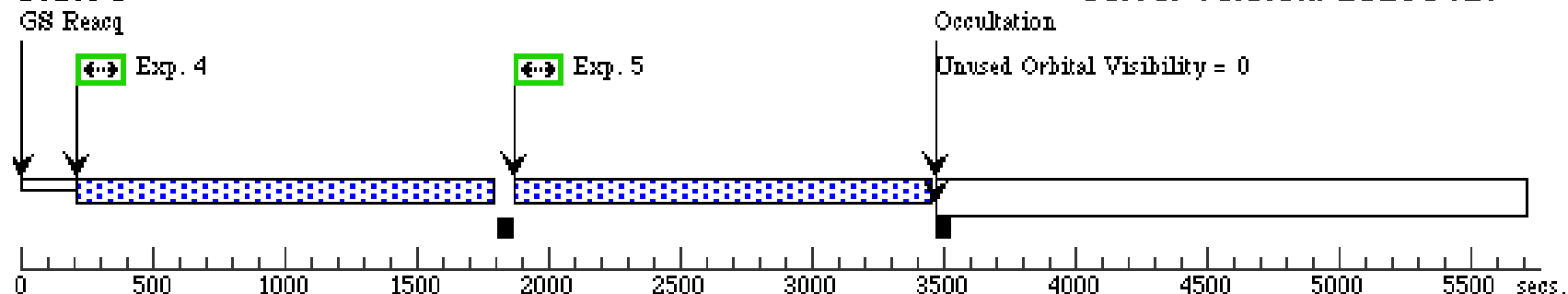
Orbit 2

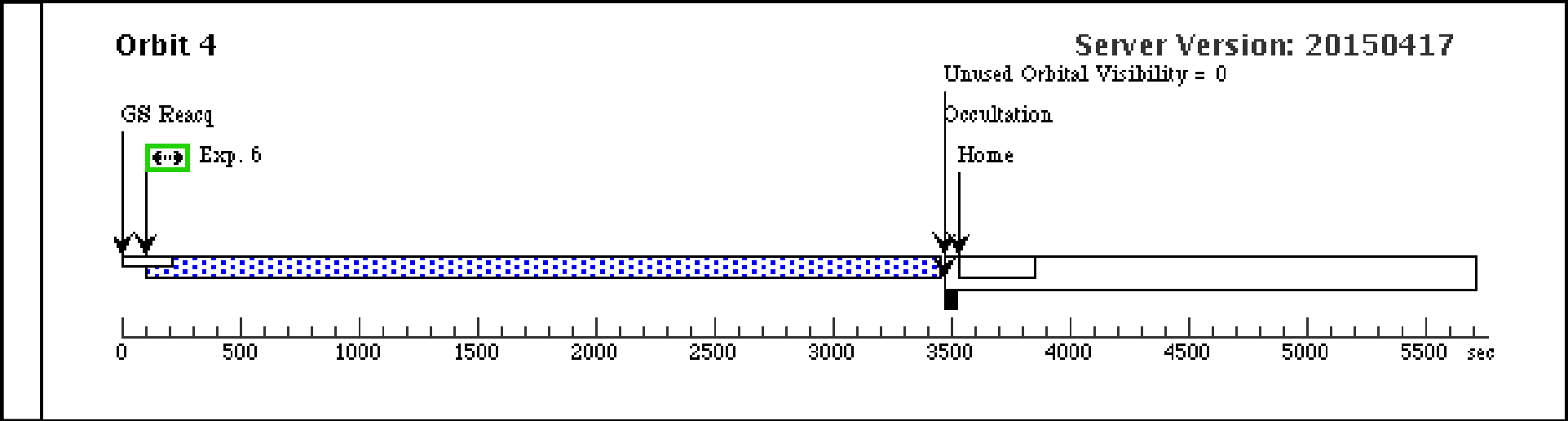
Server Version: 20150417



Orbit 3

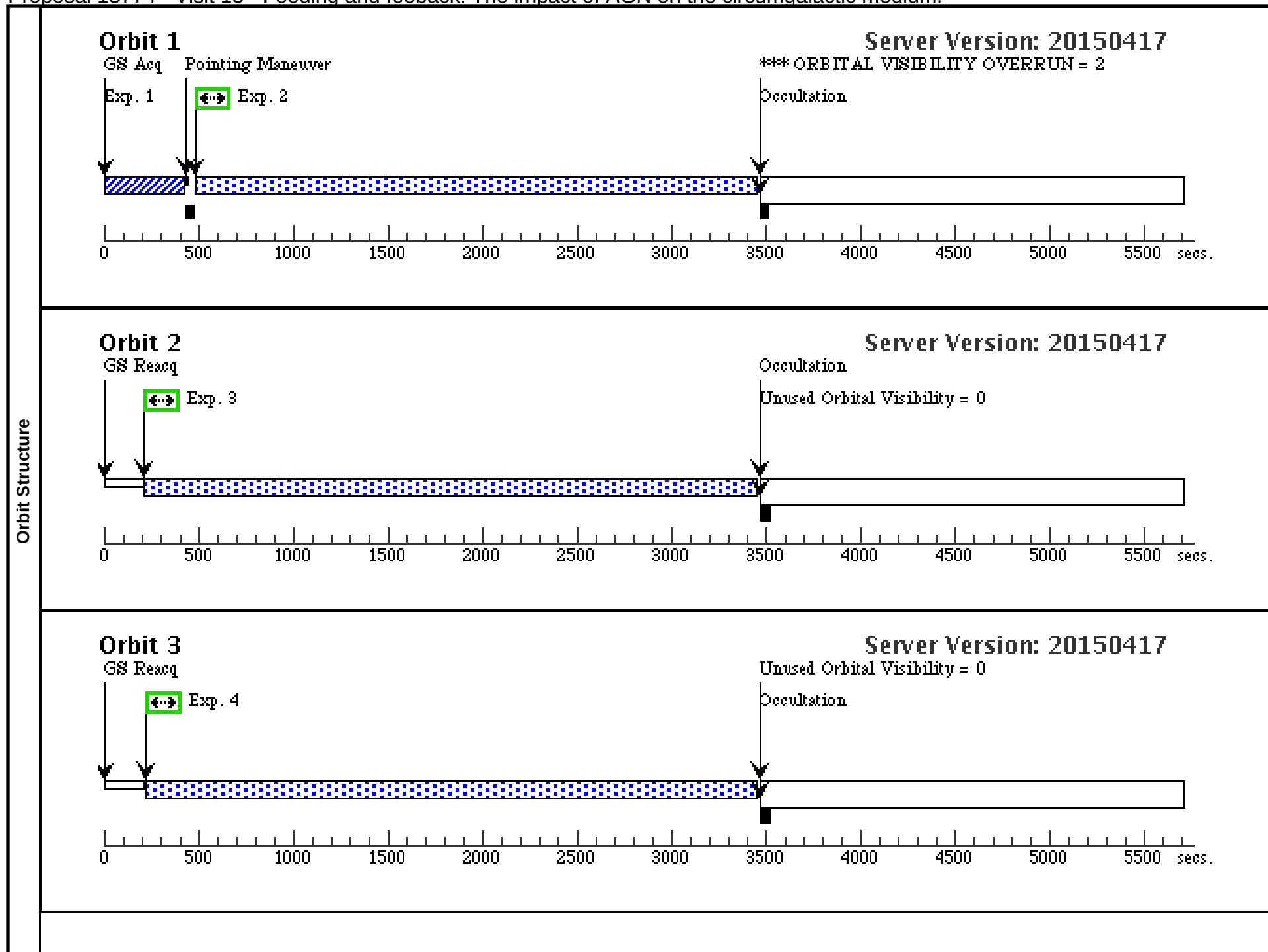
Server Version: 20150417





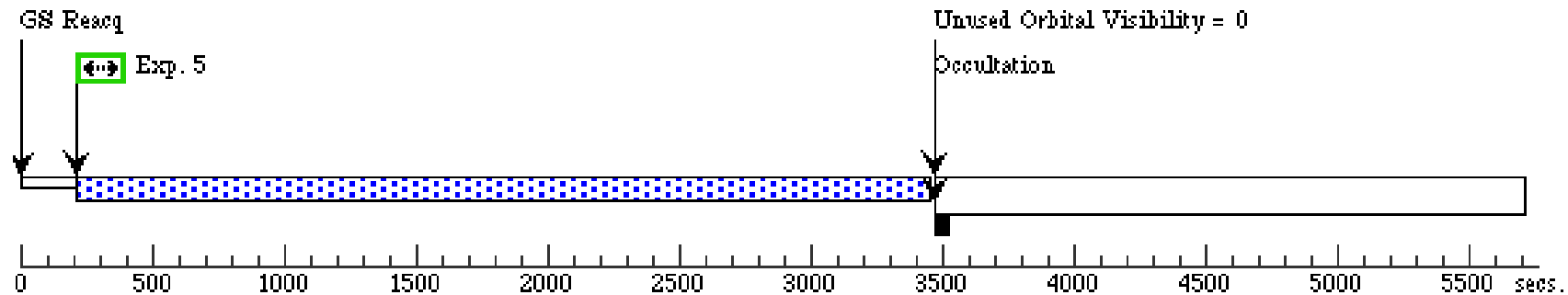
Proposal 13774 - Visit 15 - Feeding and feedback: The impact of AGN on the circumgalactic medium.

Visit	Proposal 13774, Visit 15, scheduling										Thu May 21 01:05:47 GMT 2015
	Diagnostic Status: Warning										
	Scientific Instruments: COS/NUV, COS/FUV										
	Special Requirements: (none)										
Diagnostics	(Visit 15) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
	(10)	SDSSJ094840.08+580039.1	RA: 09 48 40.0824 (147.1670100d) Dec: +58 00 39.24 (58.01090d) Equinox: J2000	Redshift: 0.492	V=18.6 FUV=18.85	Reference Frame: ICRS					
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	ACQ/IMAG E Mirror A (COS.ta.616 568)	(10) SDSSJ094840.0 8+580039.1	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				11 Secs (11 Secs) [==>]	[1]	
	2	G160M 158 9 FP1 (COS.sp.617 365)	(10) SDSSJ094840.0 8+580039.1	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=92 16; FLASH=YES; FP-POS=1			2758 Secs (2758 Secs) [==>]	[1]	
	Comments: Buffer time set to 2/3 ETC time for FUV=18.75 and G160M combo										
	3	G160M 158 9 FP2 (COS.sp.617 365)	(10) SDSSJ094840.0 8+580039.1	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=92 16; FLASH=YES; FP-POS=2			3184 Secs (3184 Secs) [==>]	[2]	
	Comments: Buffer time set to 2/3 ETC time for FUV=18.75 and G160M combo										
	4	G160M 158 9 FP2 (COS.sp.617 365)	(10) SDSSJ094840.0 8+580039.1	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=92 16; FLASH=YES; FP-POS=2			3184 Secs (3184 Secs) [==>]	[3]	
	Comments: Buffer time set to 2/3 ETC time for FUV=18.75 and G160M combo										
	5	G160M 158 9 FP3 (COS.sp.617 365)	(10) SDSSJ094840.0 8+580039.1	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=92 16; FLASH=YES; FP-POS=3			3184 Secs (3184 Secs) [==>]	[4]	
	Comments: Buffer time set to 2/3 ETC time for FUV=18.75 and G160M combo										
	6	G160M 158 9 FP4 (COS.sp.617 365)	(10) SDSSJ094840.0 8+580039.1	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=92 16; FLASH=YES; FP-POS=4			3184 Secs (3184 Secs) [==>]	[5]	
	Comments: Buffer time set to 2/3 ETC time for FUV=18.75 and G160M combo										



Orbit 4

Server Version: 20150417



Orbit 5

Server Version: 20150417

