



18343 - The First UV-Based Metallicity Constraints for AGN Dwarf Galaxies

Cycle: 34, Proposal Category: GO

(Availability Mode: SUPPORTED)

INVESTIGATORS

<i>Name</i>	<i>Institution</i>
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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) J0851+4247	COS/FUV COS/NUV	3	18-Aug-2026 11:02:35.0	yes
02	(1) J0851+4247	COS/FUV COS/NUV	2	18-Aug-2026 11:02:35.0	yes
03	(1) J0851+4247	COS/NUV	3	18-Aug-2026 11:02:36.0	yes
04	(2) J1000+0059	COS/FUV COS/NUV	3	18-Aug-2026 11:02:36.0	yes
05	(2) J1000+0059	COS/NUV	3	18-Aug-2026 11:02:37.0	yes
06	(3) J1109+6123	COS/FUV COS/NUV	3	18-Aug-2026 11:02:37.0	yes
07	(3) J1109+6123	COS/NUV	3	18-Aug-2026 11:02:38.0	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>
08	(4) J1220+2920	COS/FUV COS/NUV	3	18-Aug-2026 11:02:38.0	yes
09	(4) J1220+2920	COS/NUV	3	18-Aug-2026 11:02:39.0	yes
10	(5) J1626+2413	COS/FUV COS/NUV	3	18-Aug-2026 11:02:39.0	yes
11	(5) J1626+2413	COS/NUV	3	18-Aug-2026 11:02:39.0	yes

32 Total Orbits Used

ABSTRACT

Nearby dwarf galaxies hosting AGN provide a rare local laboratory for studying black hole formation and growth in the low-mass regime. Yet the metallicities of their narrow-line regions (NLRs) remain unconstrained. This is a major gap because NLR metallicity traces the chemical state of the gas surrounding the accreting black hole and encodes the effects of black hole growth, star formation, inflows, and outflows. In AGN, however, metallicity cannot be measured directly and instead must be inferred from a combination of emission line ratios and photoionization models. Optical spectra alone do not adequately constrain the gas density, abundance patterns, and ionization structure required to make those models reliable, especially for the conditions expected in dwarf AGN. We propose 32 orbits of HST/COS G160M+G185M spectroscopy of five dwarf AGN to obtain the UV diagnostics needed to break these degeneracies and place the first robust UV-based metallicity constraints on a sample of dwarf AGN. These observations will provide the density, abundance, and ionization constraints needed for reliable NLR metallicity measurements, filling a key gap in our ability to interpret the effect of AGN in low-mass galaxies. This program will establish the physical framework needed to understand the growing dwarf AGN population and assess how black holes shape the chemical evolution of low-mass galaxies.

OBSERVING DESCRIPTION

We observe five nearby dwarf AGN with COS/G160M and G185M through the Primary Science Aperture. The target-specific central wavelengths were selected to provide coverage of the redshifted C IV, He II, O III], and C III] emission lines while avoiding detector gaps. Each visit begins with a COS/NUV ACQ/IMAGE exposure to center the UV nucleus. MIRRORA is used for the fainter acquisition targets, while MIRRORB is used for the two brighter targets

All science exposures are obtained in TIME-TAG mode. The G160M observations use both FUV detector segments at LP10 and are divided among all four FP-POS positions to reduce fixed-pattern noise. Multiple FP-POS positions are also used for G185M. The observations are divided into 11

Proposal 18343 (STScI Edit Number: 0, Created: Tuesday, August 18, 2026, 10:02:40AM Eastern Standard Time) - Overview
visits of three orbits or fewer, for a total of 32 orbits. The acquisition and science exposure times are based on COS ETC calculations, and buffer times are chosen following the COS TIME-TAG recommendations.

According to the Bright Object Tool (BOT), there are no bright sources near our targets that could cause a problem for COS.

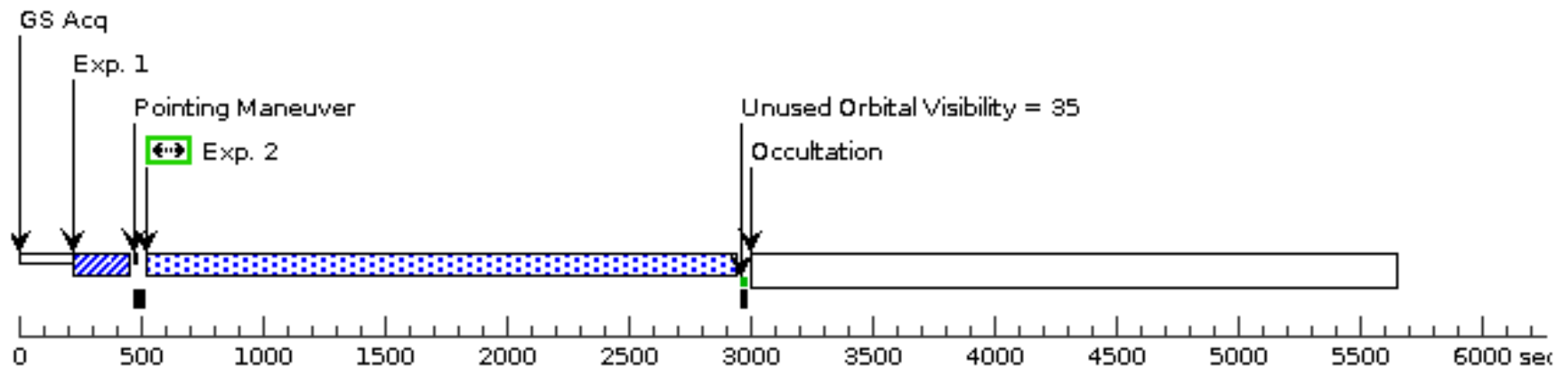
Proposal

Proposal 18343 - Visit 01 - The First UV-Based Metallicity Constraints for AGN Dwarf Galaxies

Visit	Proposal 18343, Visit 01								Tue Aug 18 15:02:40 GMT 2026	
	Diagnostic Status: Warning									
	Scientific Instruments: COS/FUV, COS/NUV									
	Special Requirements: (none)									
Diagnostics	(Visit 01) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions at a given COS cenwave (or 2 positions for certain exception cases). See extended explanation in the diagnostic browser.									
	(Exposure 2 (Visit 01)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details.									
	(Exposure 3 (Visit 01)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details.									
	(Exposure 4 (Visit 01)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details.									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	J0851+4247	RA: 08 51 49.5804 (132.9565850d)	Epoch of Position: 2000	V=15.81	Reference Frame: ICRS				
		Alt Name1: 2MASX-J08514952+4247180	Dec: +42 47 17.74 (42.78826d)	Redshift: 0.02472	GALEX NUV=18.299 FUV=18.875					
	Equinox: J2000									
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.									
	Category=GALAXY									
	Description=[NUCLEUS, SEYFERT]									
	Extended=YES									
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(2366189)	(1) J0851+4247	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				10 Secs (10 Secs)	
									[==>]	[1]
	2	(2364782)	(1) J0851+4247	COS/FUV, TIME-TAG, PSA	G160M 1623 A	LIFETIME-POS=LP 10; FP-POS=1; SEGMENT=BOTH; BUFFER-TIME=26 674			2200 Secs (2200 Secs)	
									[==>]	[1]
	3	(2364782)	(1) J0851+4247	COS/FUV, TIME-TAG, PSA	G160M 1623 A	LIFETIME-POS=LP 10; FP-POS=2; SEGMENT=BOTH; BUFFER-TIME=26 674			2500 Secs (2500 Secs)	
									[==>]	[2]
	4	(2364782)	(1) J0851+4247	COS/FUV, TIME-TAG, PSA	G160M 1623 A	LIFETIME-POS=LP 10; FP-POS=3; SEGMENT=BOTH; BUFFER-TIME=26 674			2500 Secs (2500 Secs)	
									[==>]	[3]

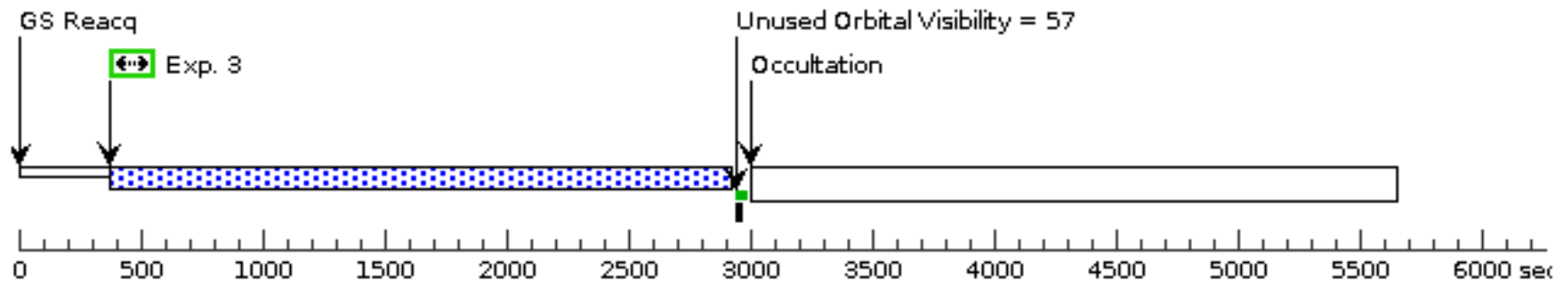
Orbit 1

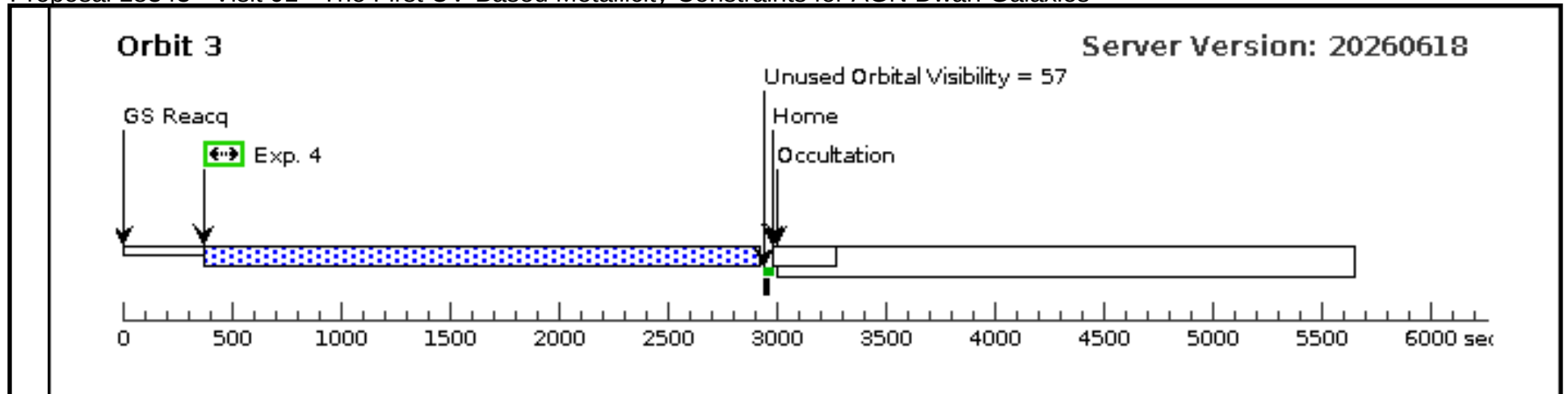
Server Version: 20260618



Orbit 2

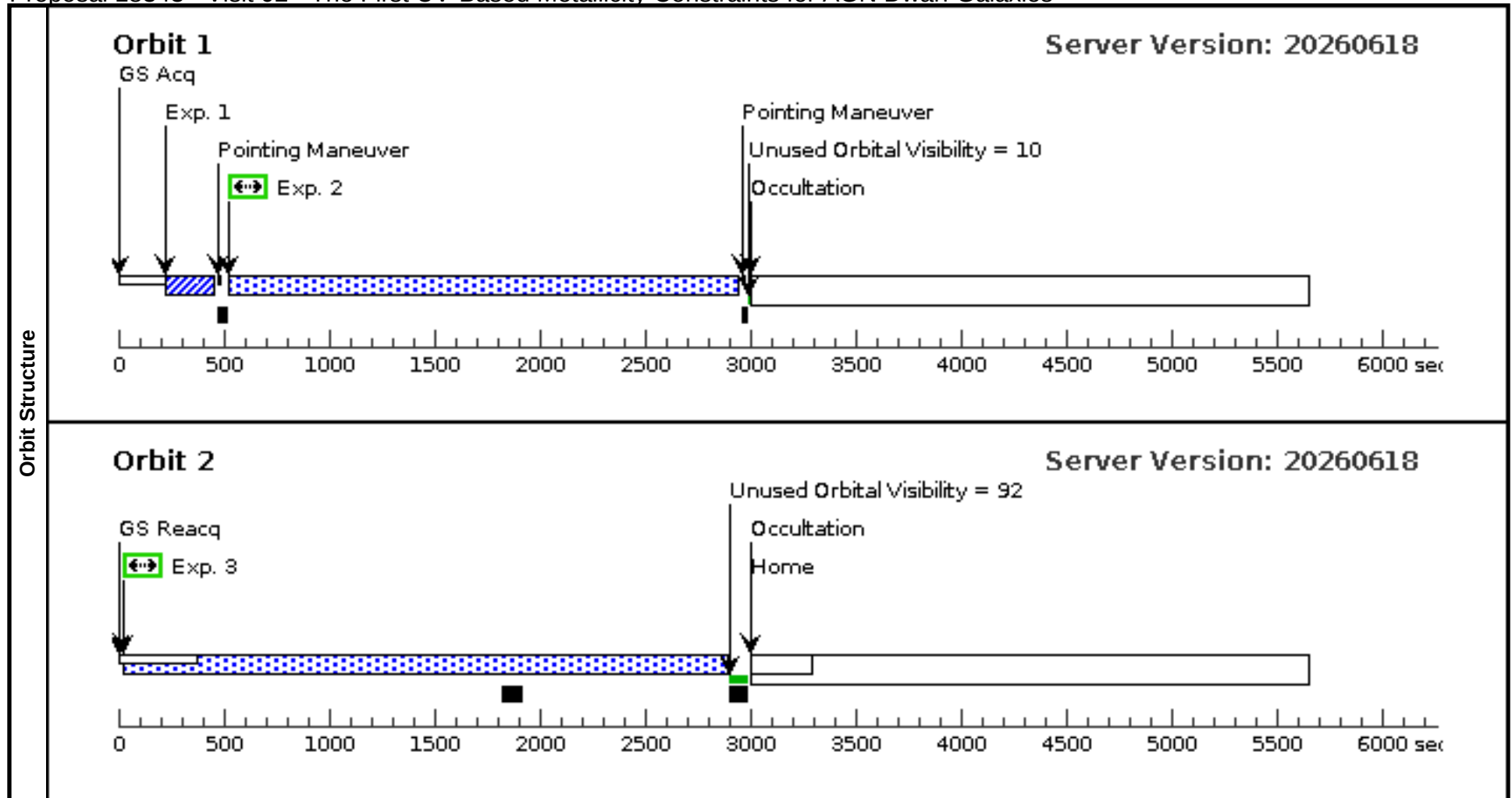
Server Version: 20260618





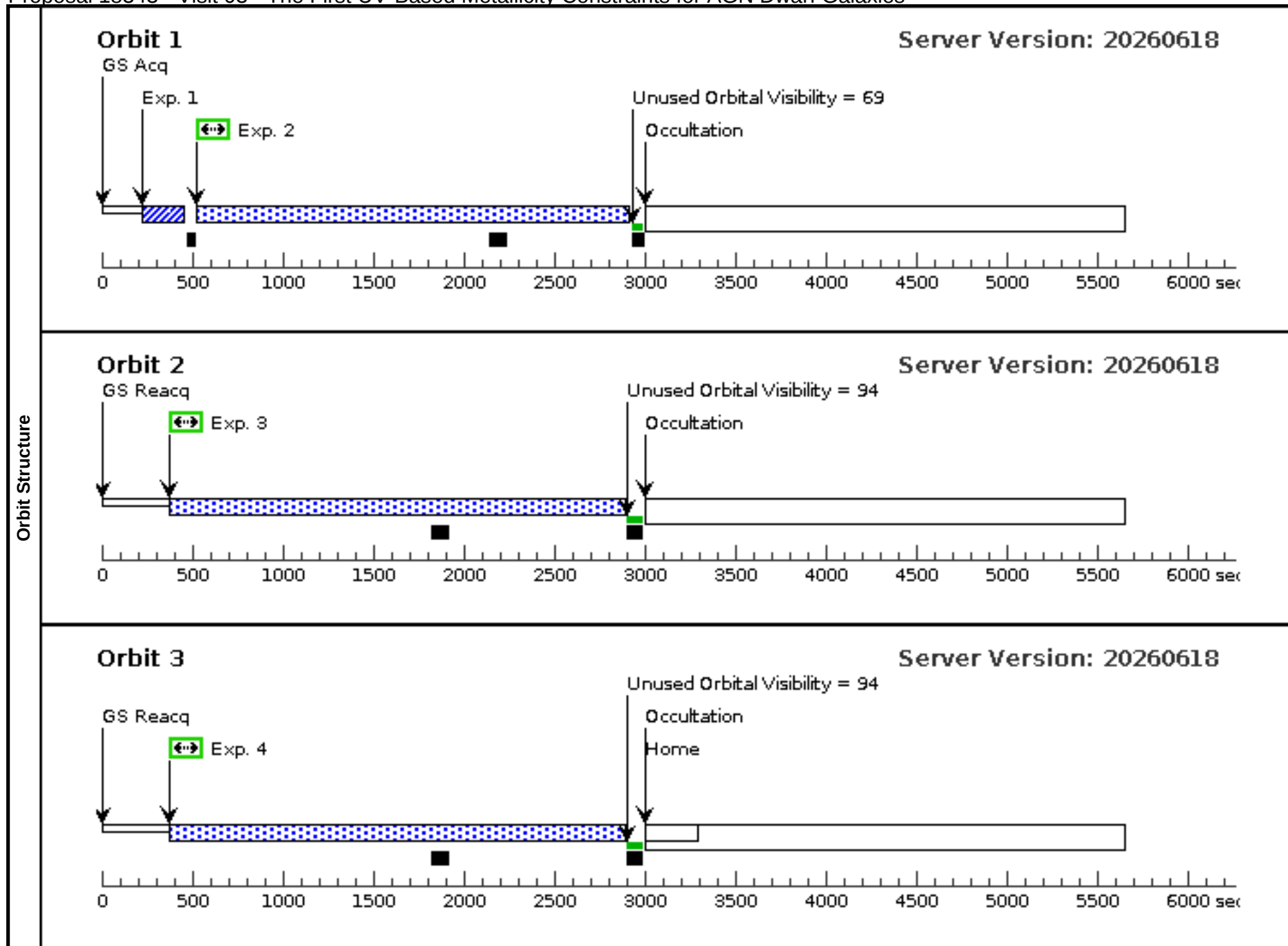
Proposal 18343 - Visit 02 - The First UV-Based Metallicity Constraints for AGN Dwarf Galaxies

Visit	Proposal 18343, Visit 02								Tue Aug 18 15:02:40 GMT 2026	
	Diagnostic Status: Warning									
	Scientific Instruments: COS/FUV, COS/NUV									
	Special Requirements: (none)									
Diagnostics	(Visit 02) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions at a given COS cenwave (or 2 positions for certain exception cases). See extended explanation in the diagnostic browser.									
	(Exposure 2 (Visit 02)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details.									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	J0851+4247	RA: 08 51 49.5804 (132.9565850d)	Epoch of Position: 2000	V=15.81	Reference Frame: ICRS				
		Alt Name1: 2MASX-J08514952+4247180	Dec: +42 47 17.74 (42.78826d)	Redshift: 0.02472	GALEX NUV=18.299 FUV=18.875					
			Equinox: J2000							
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[NUCLEUS, SEYFERT] Extended=YES									
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(2366189)	(1) J0851+4247	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				10 Secs (10 Secs)	
									[==>]	[1]
	2	(2364782)	(1) J0851+4247	COS/FUV, TIME-TAG, PSA	G160M 1623 A	LIFETIME-POS=LP 10; FP-POS=4; SEGMENT=BOTH; BUFFER-TIME=26 674			2200 Secs (2200 Secs)	
									[==>]	[1]
	3	(2364795)	(1) J0851+4247	COS/NUV, TIME-TAG, PSA	G185M 1850 A	FP-POS=1; BUFFER-TIME=14 42			2500 Secs (2500 Secs)	
								[==>]	[2]	



Proposal 18343 - Visit 03 - The First UV-Based Metallicity Constraints for AGN Dwarf Galaxies

Visit	Proposal 18343, Visit 03										Tue Aug 18 15:02:40 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: COS/NUV											
	Special Requirements: (none)											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(1)	J0851+4247	RA: 08 51 49.5804 (132.9565850d)		Epoch of Position: 2000		V=15.81		Reference Frame: ICRS			
		Alt Name1: 2MASX-J08514952+4247180	Dec: +42 47 17.74 (42.78826d)		Redshift: 0.02472		GALEX NUV=18.299 FUV=18.875					
		Equinox: J2000										
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.											
	Category=GALAXY											
	Description=[NUCLEUS, SEYFERT]											
	Extended=YES											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(2366189)	(1) J0851+4247	COS/NUV, ACQ/IMAGE, PSA		MIRRORA				10 Secs (10 Secs)		
										[==>]		[1]
	2	(2364795)	(1) J0851+4247	COS/NUV, TIME-TAG, PSA		G185M	FP-POS=2;			2200 Secs (2200 Secs)		
						1850 A	BUFFER-TIME=14			[==>]		[1]
							42					
	3	(2364795)	(1) J0851+4247	COS/NUV, TIME-TAG, PSA		G185M	FP-POS=3;			2500 Secs (2500 Secs)		
						1850 A	BUFFER-TIME=14			[==>]		[2]
							42					
4	(2364795)	(1) J0851+4247	COS/NUV, TIME-TAG, PSA		G185M	FP-POS=4;			2500 Secs (2500 Secs)			
					1850 A	BUFFER-TIME=14			[==>]		[3]	
						42						

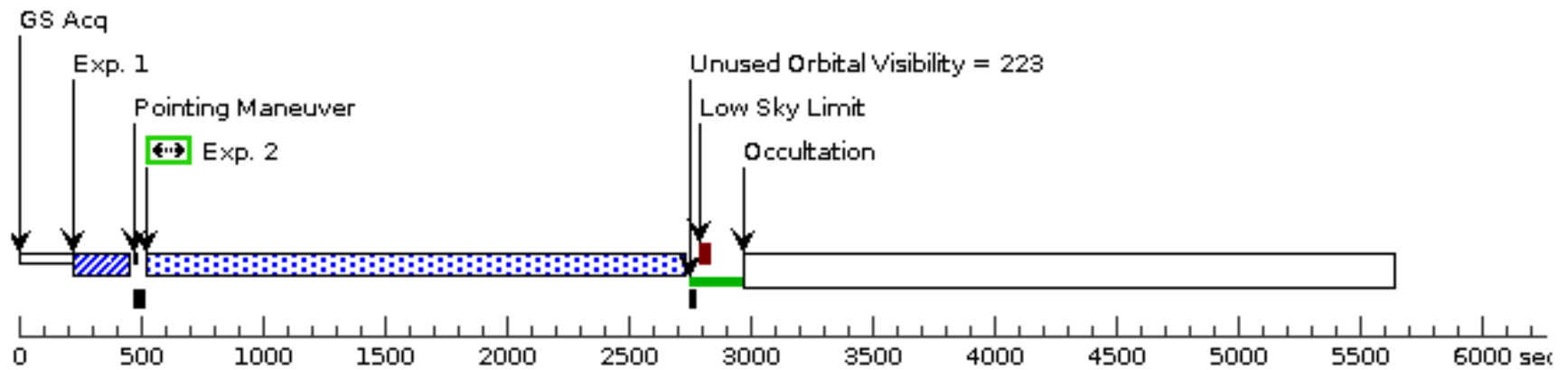


Proposal 18343 - Visit 04 - The First UV-Based Metallicity Constraints for AGN Dwarf Galaxies

Visit	Proposal 18343, Visit 04										Tue Aug 18 15:02:40 GMT 2026						
	Diagnostic Status: Warning																
	Scientific Instruments: COS/FUV, COS/NUV																
	Special Requirements: (none)																
Diagnostics	(Exposure 2 (Visit 04)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details.																
	(Exposure 3 (Visit 04)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details.																
	(Exposure 4 (Visit 04)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details.																
	(Exposure 5 (Visit 04)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details.																
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Fluxes		Miscellaneous						
	(2)	J1000+0059	RA: 10 00 8.4130 (150.0350542d)			Epoch of Position: 2000			V=16.2		Reference Frame: ICRS						
		Alt Name1: 2DFGRS-TGN420Z105	Dec: +00 59 5.32 (.98481d)			Redshift: 0.03182			GALEX NUV = 18.219 FUV = 18.799								
			Equinox: J2000														
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.																
	Category=GALAXY																
	Description=[NUCLEUS, SEYFERT]																
	Extended=YES																
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.		Opt. Params.		Special Reqs.		Groups		Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	(2366188)	(2) J1000+0059	COS/NUV, ACQ/IMAGE, PSA		MIRRORA				LOW-SKY				10 Secs (10 Secs)			
														[==>]		[1]	
	2	(2364802)	(2) J1000+0059	COS/FUV, TIME-TAG, PSA		G160M 1589 A		BUFFER-TIME=26 672; FP-POS=1; LIFETIME-POS=L P10; SEGMENT=BOTH		LOW-SKY				2000 Secs (2000 Secs)			
														[==>]		[1]	
	3	(2364802)	(2) J1000+0059	COS/FUV, TIME-TAG, PSA		G160M 1589 A		BUFFER-TIME=26 672; FP-POS=2; LIFETIME-POS=L P10; SEGMENT=BOTH		LOW-SKY				1100 Secs (1100 Secs)			
														[==>]		[2]	
	4	(2364802)	(2) J1000+0059	COS/FUV, TIME-TAG, PSA		G160M 1589 A		BUFFER-TIME=26 672; FP-POS=3; LIFETIME-POS=L P10; SEGMENT=BOTH		LOW-SKY				1100 Secs (1100 Secs)			
														[==>]		[2]	
	5	(2364802)	(2) J1000+0059	COS/FUV, TIME-TAG, PSA		G160M 1589 A		BUFFER-TIME=26 672; FP-POS=4; LIFETIME-POS=L P10; SEGMENT=BOTH		LOW-SKY				2300 Secs (2300 Secs)			
														[==>]		[3]	

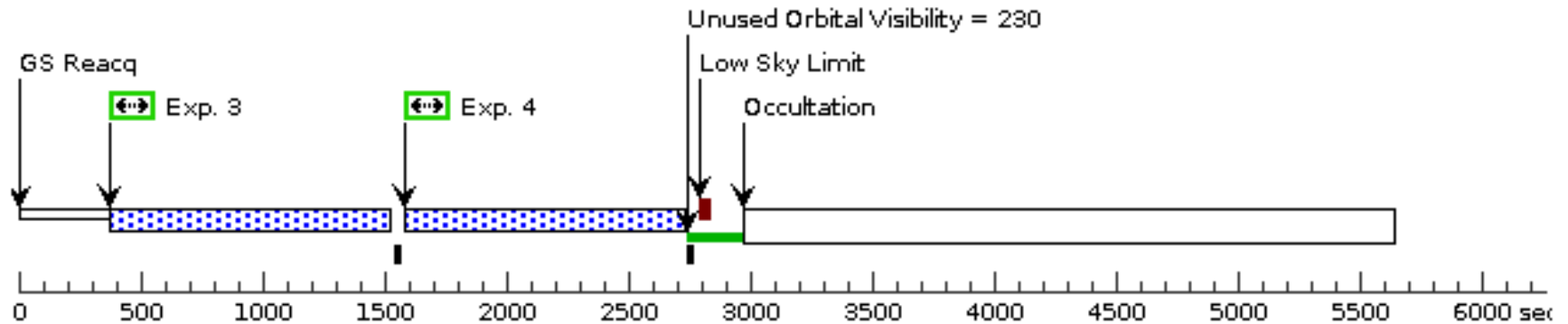
Orbit 1

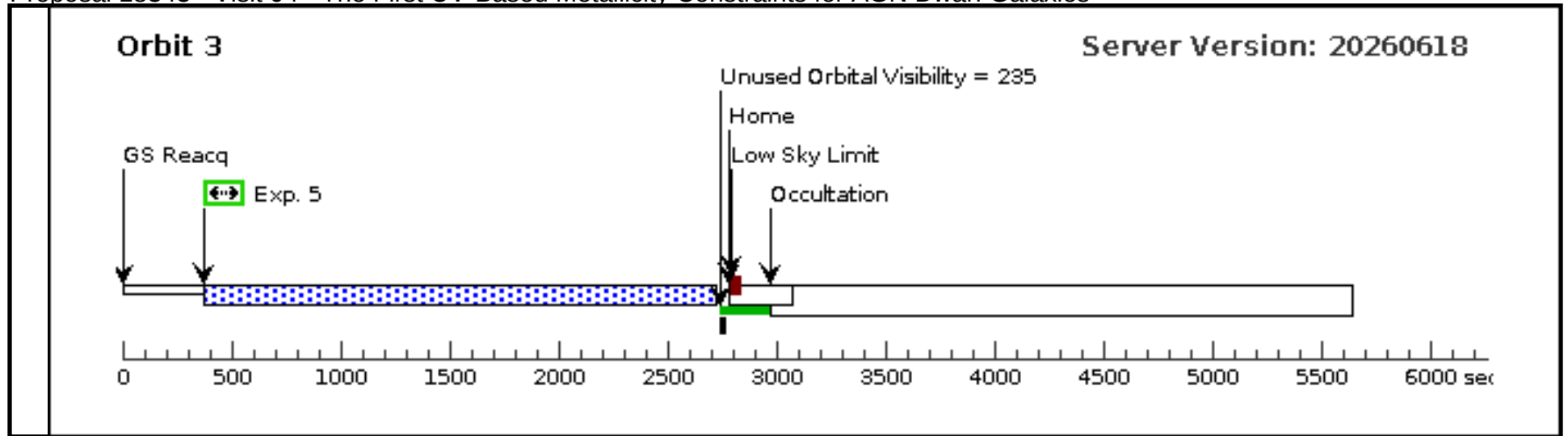
Server Version: 20260618



Orbit 2

Server Version: 20260618



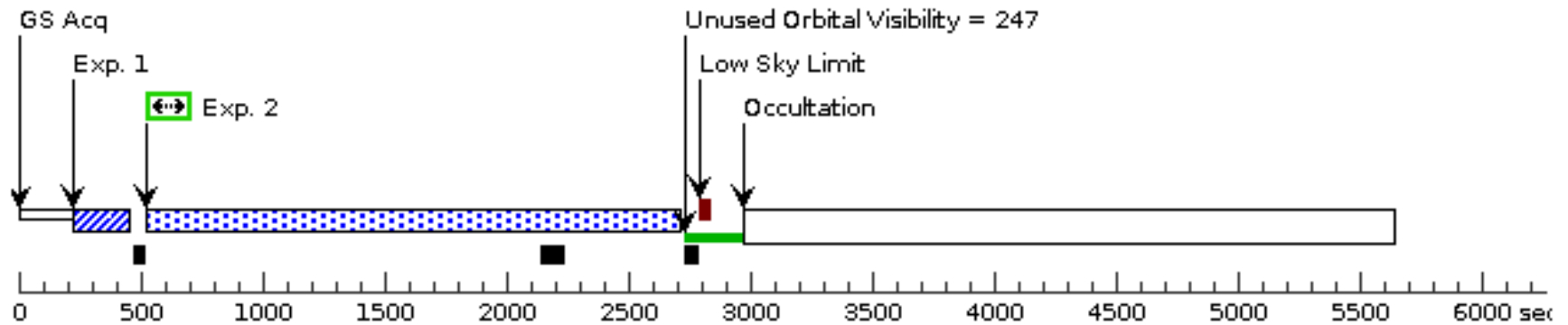


Proposal 18343 - Visit 05 - The First UV-Based Metallicity Constraints for AGN Dwarf Galaxies

Visit	Proposal 18343, Visit 05								Tue Aug 18 15:02:40 GMT 2026	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: COS/NUV									
	Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(2)	J1000+0059	RA: 10 00 8.4130 (150.0350542d)	Epoch of Position: 2000		V=16.2		Reference Frame: ICRS		
		Alt Name1: 2DFGRS-TGN420Z105	Dec: +00 59 5.32 (.98481d) Equinox: J2000	Redshift: 0.03182		GALEX NUV = 18.219 FUV = 18.799				
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[NUCLEUS, SEYFERT] Extended=YES									
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(2366188)	(2) J1000+0059	COS/NUV, ACQ/IMAGE, PSA	MIRRORA		LOW-SKY		10 Secs (10 Secs)	
									[==>]	[1]
	2	(2364800)	(2) J1000+0059	COS/NUV, TIME-TAG, PSA	G185M 1864 A	BUFFER-TIME=14 42; FP-POS=2	LOW-SKY		2000 Secs (2000 Secs)	
									[==>]	[1]
	3	(2364800)	(2) J1000+0059	COS/NUV, TIME-TAG, PSA	G185M 1864 A	BUFFER-TIME=14 42; FP-POS=3	LOW-SKY		2300 Secs (2300 Secs)	
									[==>]	[2]
	4	(2364800)	(2) J1000+0059	COS/NUV, TIME-TAG, PSA	G185M 1864 A	BUFFER-TIME=14 42; FP-POS=4	LOW-SKY		2300 Secs (2300 Secs)	
								[==>]	[3]	

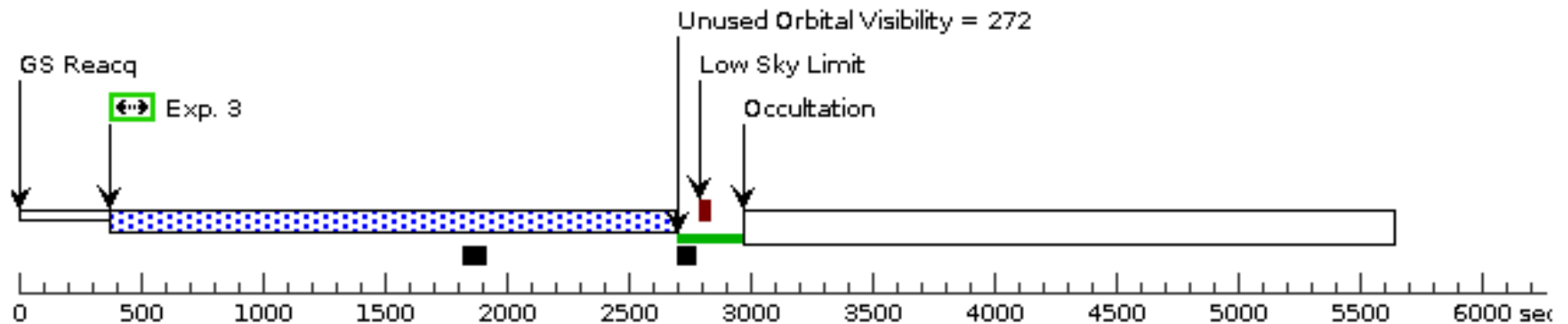
Orbit 1

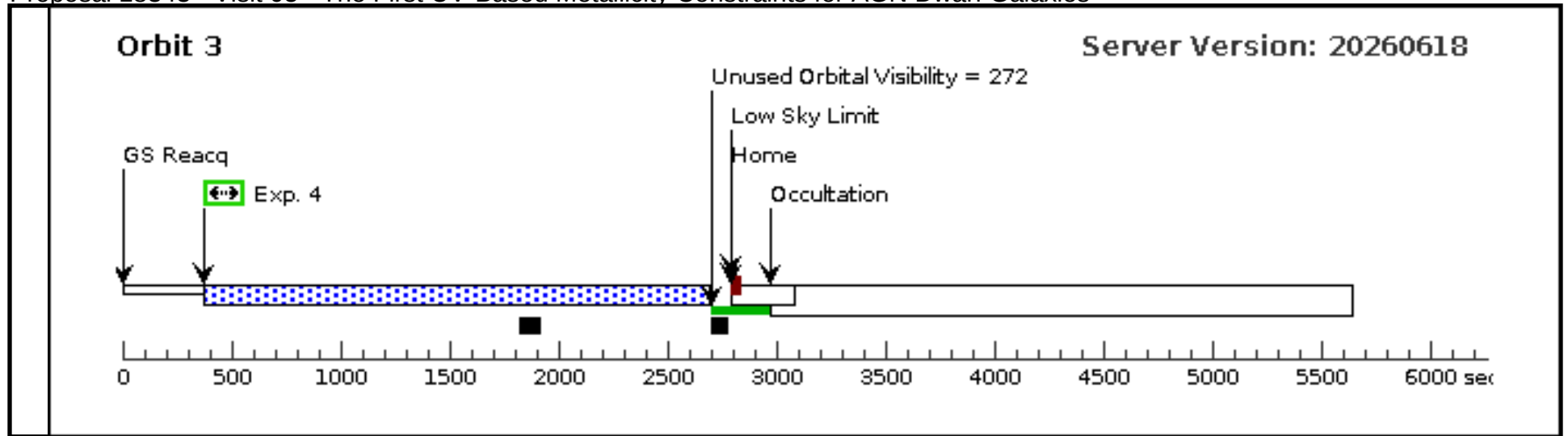
Server Version: 20260618



Orbit 2

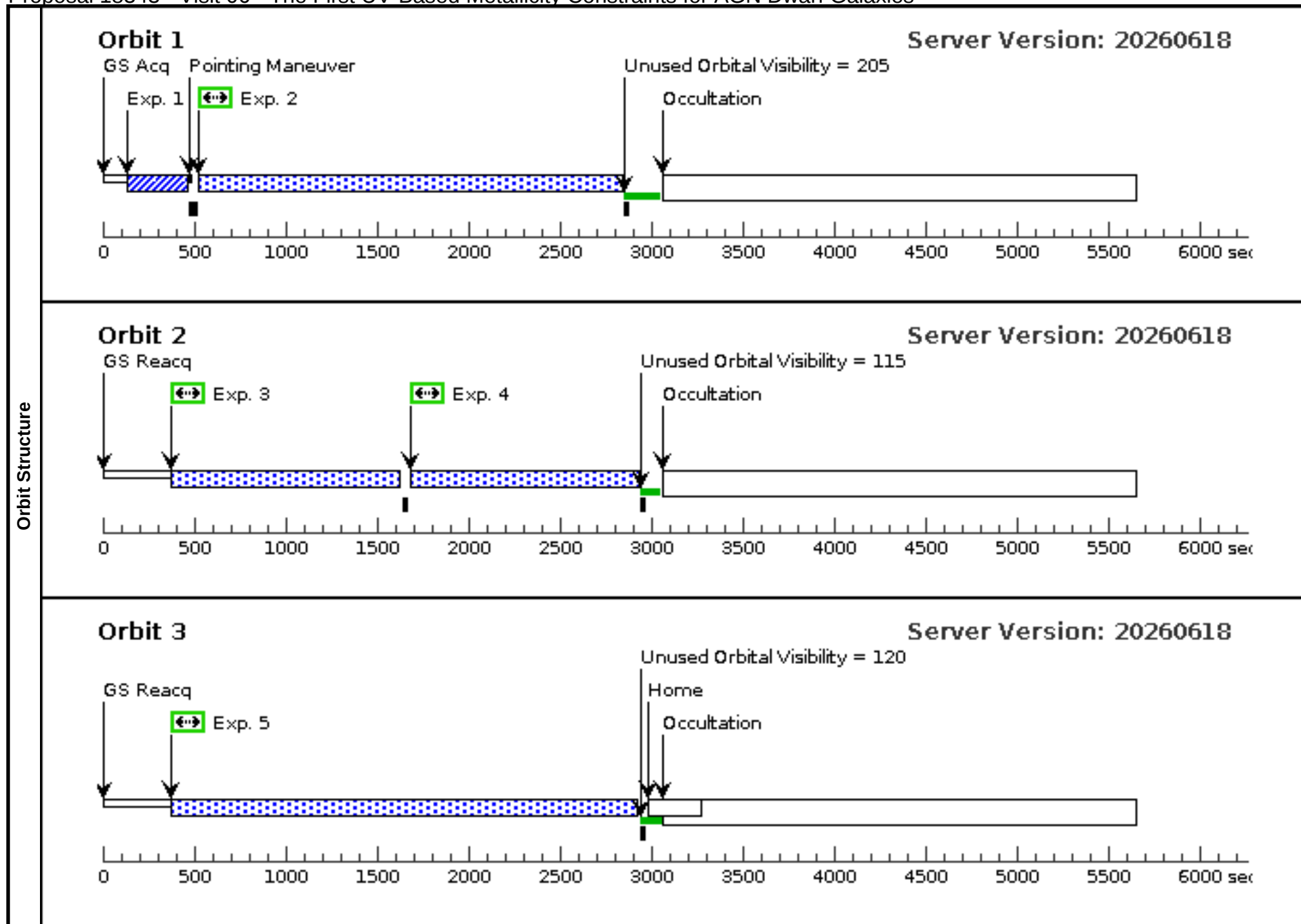
Server Version: 20260618





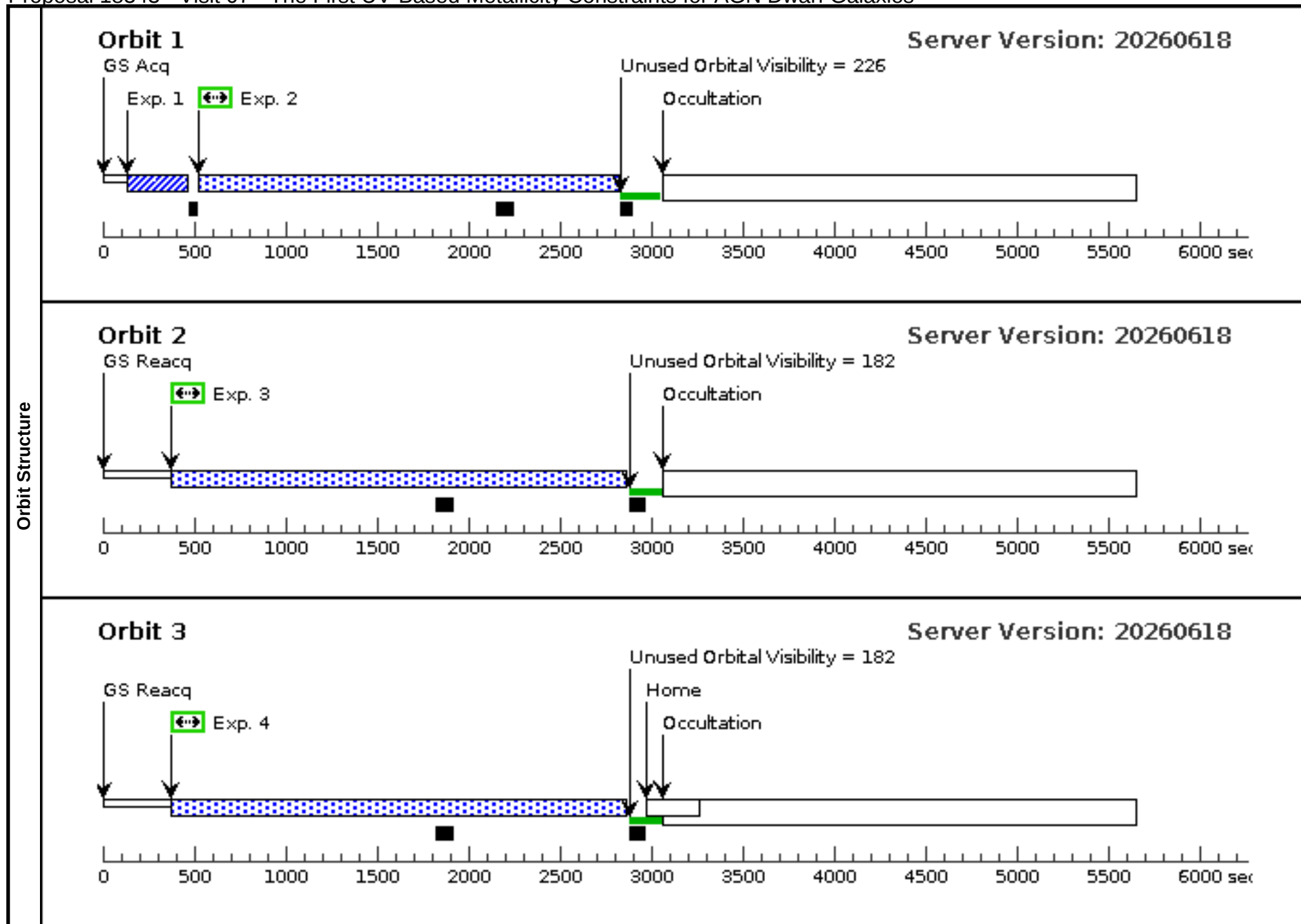
Proposal 18343 - Visit 06 - The First UV-Based Metallicity Constraints for AGN Dwarf Galaxies

Visit	Proposal 18343, Visit 06 Tue Aug 18 15:02:40 GMT 2026									
	Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none)									
Diagnostics	(Exposure 2 (Visit 06)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details. (Exposure 3 (Visit 06)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details. (Exposure 4 (Visit 06)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details. (Exposure 5 (Visit 06)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details.									
	# Name Target Coordinates Targ. Coord. Corrections Fluxes Miscellaneous (3) J1109+6123 RA: 11 09 12.4004 (167.3016683d) Epoch of Position: 2000 V=15.29 Reference Frame: ICRS Alt Name1: Z-291-32 Dec: +61 23 46.75 (61.39632d) Redshift: 0.006751 GALEX NUV=16.733 FUV = 1 6.958 Equinox: J2000 Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[NUCLEUS, SEYFERT] Extended=YES									
Fixed Targets	# Label (ETC Run) Target Config,Mode,Aperture Spectral Els. Opt. Params. Special Reqs. Groups Exp. Time (Total)/[Actual Dur.] Orbit									
	1 (2364735) (3) J1109+6123 COS/NUV, ACQ/IMAGE, PSA MIRRORB 10 Secs (10 Secs)									
Exposures	[==>] [1]									
	2 (2364819) (3) J1109+6123 COS/FUV, TIME-TAG, PSA G160M 1600 A BUFFER-TIME=26 672; LIFETIME-POS=L P10; FP-POS=1; SEGMENT=BOTH 2100 Secs (2100 Secs)									
	[==>] [1]									
	3 (2364819) (3) J1109+6123 COS/FUV, TIME-TAG, PSA G160M 1600 A BUFFER-TIME=26 672; LIFETIME-POS=L P10; FP-POS=2; SEGMENT=BOTH 1200 Secs (1200 Secs)									
	[==>] [2]									
Exposures	4 (2364819) (3) J1109+6123 COS/FUV, TIME-TAG, PSA G160M 1600 A BUFFER-TIME=26 672; LIFETIME-POS=L P10; FP-POS=3; SEGMENT=BOTH 1200 Secs (1200 Secs)									
	[==>] [2]									
	5 (2364819) (3) J1109+6123 COS/FUV, TIME-TAG, PSA G160M 1600 A BUFFER-TIME=26 672; LIFETIME-POS=L P10; FP-POS=4; SEGMENT=BOTH 2500 Secs (2500 Secs)									
Exposures	[==>] [3]									
	[==>] [3]									



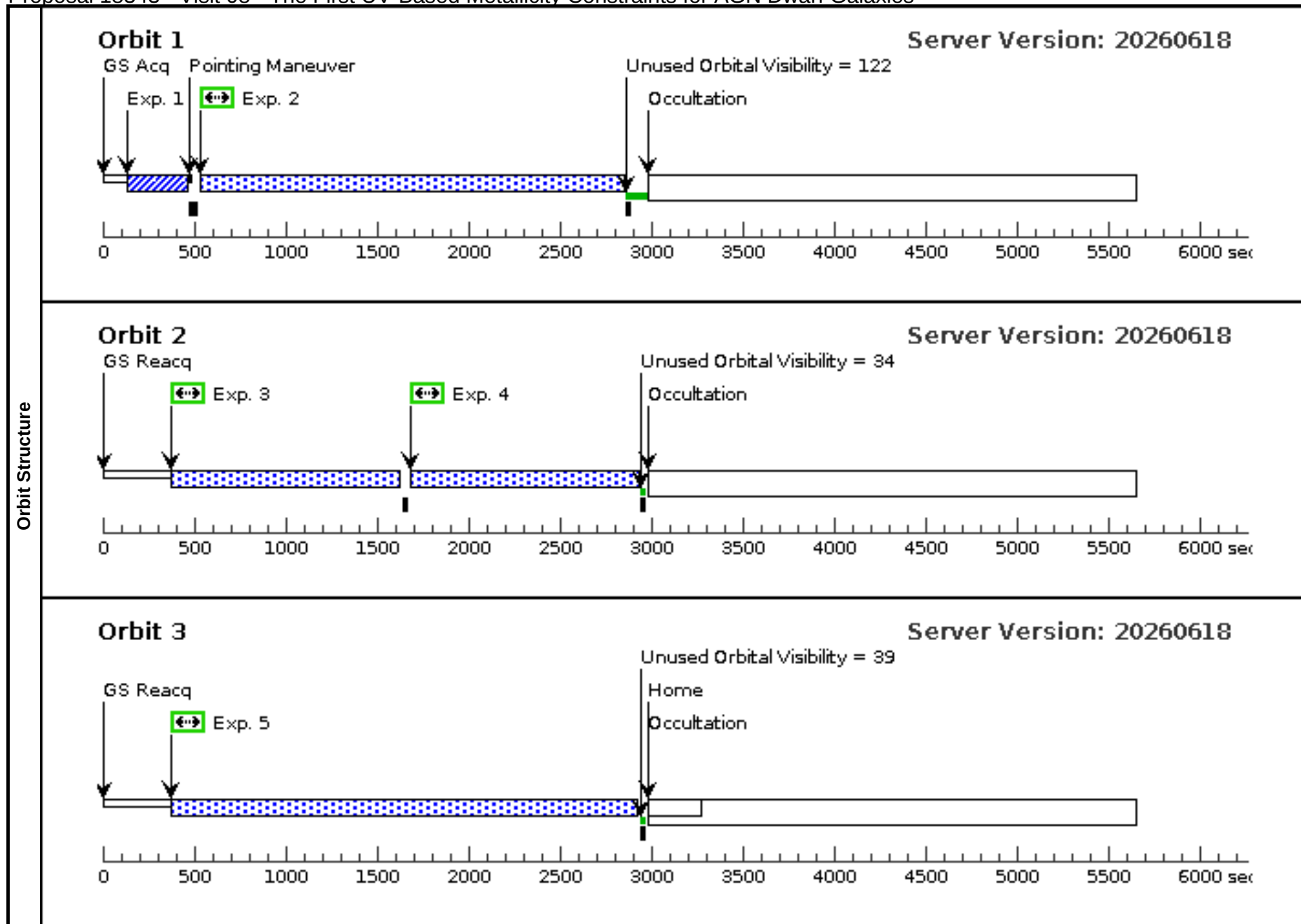
Proposal 18343 - Visit 07 - The First UV-Based Metallicity Constraints for AGN Dwarf Galaxies

Visit	Proposal 18343, Visit 07										Tue Aug 18 15:02:40 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: COS/NUV											
	Special Requirements: (none)											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(3)	J1109+6123	RA: 11 09 12.4004 (167.3016683d)		Epoch of Position: 2000		V=15.29		Reference Frame: ICRS			
		Alt Name1: Z-291-32	Dec: +61 23 46.75 (61.39632d)		Redshift: 0.006751		GALEX NUV=16.733 FUV = 16.958					
			Equinox: J2000									
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.											
	Category=GALAXY											
	Description=[NUCLEUS, SEYFERT]											
	Extended=YES											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	(2364735)	(3) J1109+6123	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				10 Secs (10 Secs)			
									[==>]		[1]	
	2	(2364821)	(3) J1109+6123	COS/NUV, TIME-TAG, PSA	G185M 1835 A	BUFFER-TIME=14 42; FP-POS=2			2100 Secs (2100 Secs)			
									[==>]		[1]	
	3	(2364821)	(3) J1109+6123	COS/NUV, TIME-TAG, PSA	G185M 1835 A	BUFFER-TIME=14 42; FP-POS=3			2475 Secs (2475 Secs)			
									[==>]		[2]	
	4	(2364821)	(3) J1109+6123	COS/NUV, TIME-TAG, PSA	G185M 1835 A	BUFFER-TIME=14 42; FP-POS=4			2475 Secs (2475 Secs)			
									[==>]		[3]	



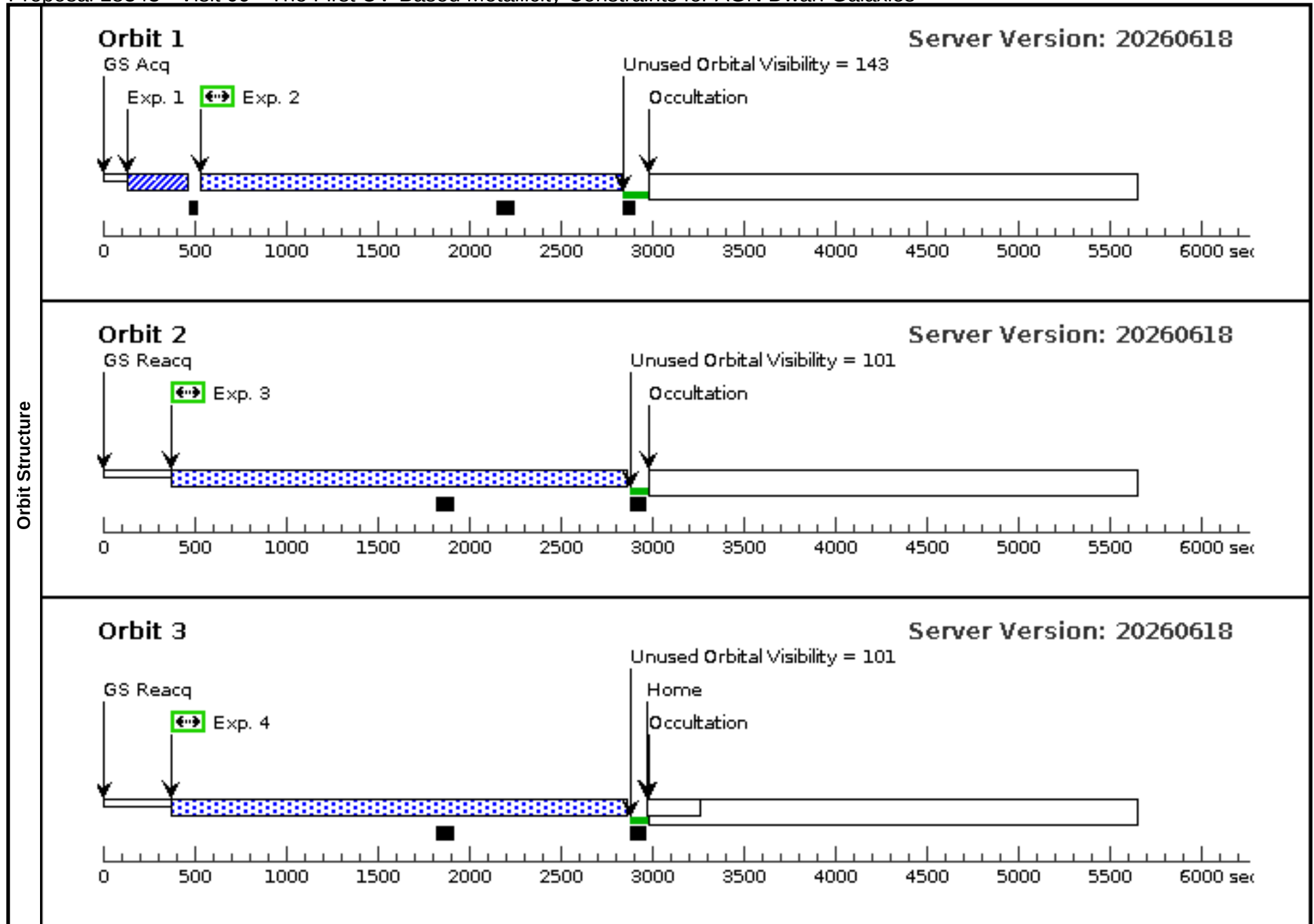
Proposal 18343 - Visit 08 - The First UV-Based Metallicity Constraints for AGN Dwarf Galaxies

Visit	Proposal 18343, Visit 08 Tue Aug 18 15:02:40 GMT 2026									
	Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none)									
Diagnostics	(Exposure 2 (Visit 08)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details. (Exposure 3 (Visit 08)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details. (Exposure 4 (Visit 08)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details. (Exposure 5 (Visit 08)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details.									
	# Name Target Coordinates Targ. Coord. Corrections Fluxes Miscellaneous (4) J1220+2920 RA: 12 20 42.0960 (185.1754000d) Redshift: 0.002123 V=15.47 Reference Frame: ICRS Alt Name1: Dec: +29 20 45.24 (29.34590d) GALEX NUV=16.927 FUV =17 12204209+2920452 Equinox: J2000 .627 Comments: This object was generated by the targetselector and retrieved from the 2MASS database. Category=GALAXY Description=[NUCLEUS, SEYFERT] Extended=YES									
Fixed Targets	# Label (ETC Run) Target Config,Mode,Aperture Spectral Els. Opt. Params. Special Reqs. Groups Exp. Time (Total)/[Actual Dur.] Orbit									
	1 (2364736) (4) J1220+2920 COS/NUV, ACQ/IMAGE, PSA MIRRORB 11 Secs (11 Secs)									
Exposures	[==>] [1]									
	2 (2364863) (4) J1220+2920 COS/FUV, TIME-TAG, PSA G160M BUFFER-TIME=26 2100 Secs (2100 Secs)									
	1600 A 672; FP-POS=1; LIFETIME-POS=L P10; SEGMENT=BOTH [==>] [1]									
	3 (2364863) (4) J1220+2920 COS/FUV, TIME-TAG, PSA G160M BUFFER-TIME=26 1200 Secs (1200 Secs)									
	1600 A 672; FP-POS=2; LIFETIME-POS=L P10; SEGMENT=BOTH [==>] [2]									
Exposures	4 (2364863) (4) J1220+2920 COS/FUV, TIME-TAG, PSA G160M BUFFER-TIME=26 1200 Secs (1200 Secs)									
	1600 A 672; FP-POS=3; LIFETIME-POS=L P10; SEGMENT=BOTH [==>] [2]									
	5 (2364863) (4) J1220+2920 COS/FUV, TIME-TAG, PSA G160M BUFFER-TIME=26 2500 Secs (2500 Secs)									
Exposures	1600 A 672; FP-POS=4; LIFETIME-POS=L P10; SEGMENT=BOTH [==>] [3]									
	SEGMENT=BOTH									



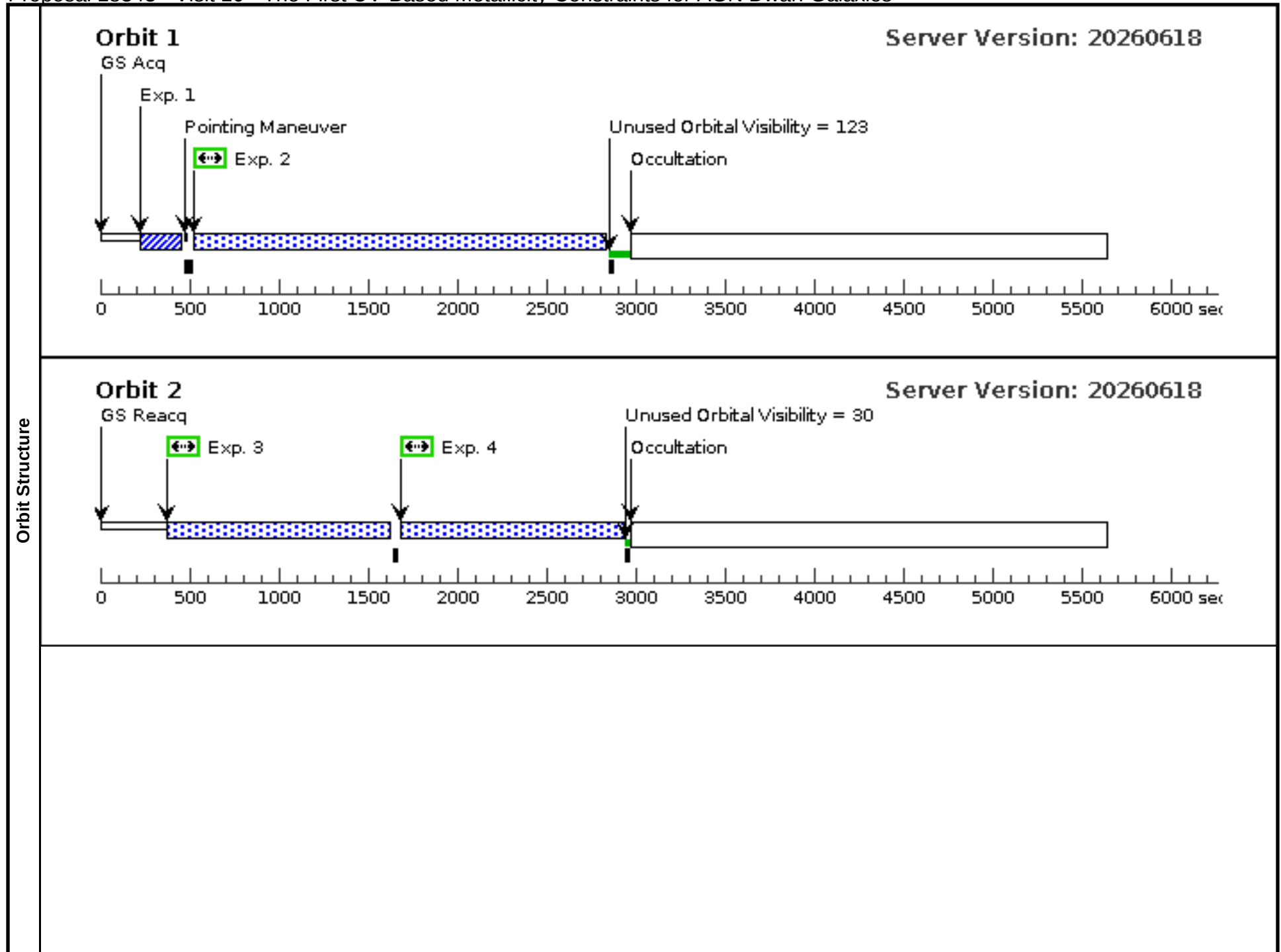
Proposal 18343 - Visit 09 - The First UV-Based Metallicity Constraints for AGN Dwarf Galaxies

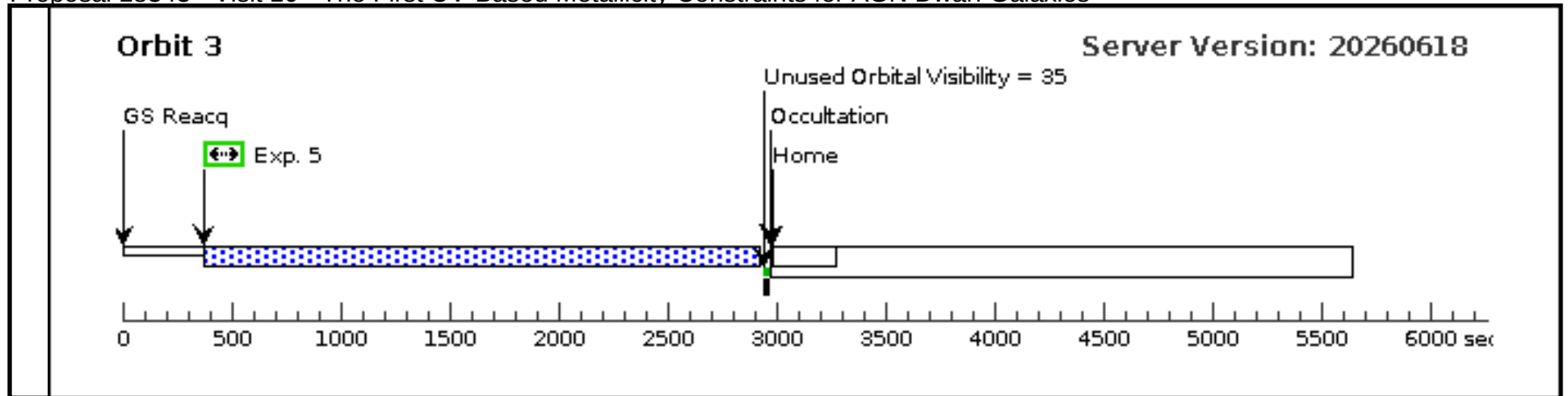
Visit	Proposal 18343, Visit 09										Tue Aug 18 15:02:40 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: COS/NUV											
	Special Requirements: (none)											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(4)	J1220+2920	RA: 12 20 42.0960 (185.1754000d)			Redshift: 0.002123		V=15.47		Reference Frame: ICRS		
		Alt Name1: 12204209+2920452	Dec: +29 20 45.24 (29.34590d)					GALEX NUV=16.927 FUV =17.627				
	Equinox: J2000											
Comments: This object was generated by the targetselector and retrieved from the 2MASS database.												
Category=GALAXY												
Description=[NUCLEUS, SEYFERT]												
Extended=YES												
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(2364736)	(4) J1220+2920	COS/NUV, ACQ/IMAGE, PSA		MIRRORB				11 Secs (11 Secs)		
										[==>]		[1]
	2	(2364864)	(4) J1220+2920	COS/NUV, TIME-TAG, PSA		G185M	BUFFER-TIME=14			2100 Secs (2100 Secs)		
						1817 A	42;			[==>]		[1]
							FP-POS=2					
	3	(2364864)	(4) J1220+2920	COS/NUV, TIME-TAG, PSA		G185M	BUFFER-TIME=14			2475 Secs (2475 Secs)		
						1817 A	42;			[==>]		[2]
						FP-POS=3						
4	(2364864)	(4) J1220+2920	COS/NUV, TIME-TAG, PSA		G185M	BUFFER-TIME=14				2475 Secs (2475 Secs)		
					1817 A	42;				[==>]		[3]
						FP-POS=4						



Proposal 18343 - Visit 10 - The First UV-Based Metallicity Constraints for AGN Dwarf Galaxies

Visit	Proposal 18343, Visit 10										Tue Aug 18 15:02:40 GMT 2026	
	Diagnostic Status: Warning											
	Scientific Instruments: COS/FUV, COS/NUV											
	Special Requirements: (none)											
Diagnostics	(Exposure 2 (Visit 10)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details.											
	(Exposure 3 (Visit 10)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details.											
	(Exposure 4 (Visit 10)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details.											
	(Exposure 5 (Visit 10)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details.											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(5)	J1626+2413	RA: 16 26 12.3430 (246.5514292d)			Epoch of Position: 2000		V=16.27		Reference Frame: ICRS		
		Alt Name1: LEDA-1702471	Dec: +24 13 30.47 (24.22513d)			Redshift: 0.037252173		GALEX NUV=18.281 FUV=18.584				
	Equinox: J2000											
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.												
Category=GALAXY												
Description=[NUCLEUS, SEYFERT]												
Extended=YES												
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(2366186)	(5) J1626+2413	COS/NUV, ACQ/IMAGE, PSA		MIRRORA				10 Secs (10 Secs)		
										[==>]		[1]
	2	(2364865)	(5) J1626+2413	COS/FUV, TIME-TAG, PSA		G160M 1589 A	BUFFER-TIME=26 672; FP-POS=1; LIFETIME-POS=L P10; SEGMENT=BOTH			2100 Secs (2100 Secs)		
										[==>]		[1]
	3	(2364865)	(5) J1626+2413	COS/FUV, TIME-TAG, PSA		G160M 1589 A	BUFFER-TIME=26 672; FP-POS=2; LIFETIME-POS=L P10; SEGMENT=BOTH			1200 Secs (1200 Secs)		
										[==>]		[2]
	4	(2364865)	(5) J1626+2413	COS/FUV, TIME-TAG, PSA		G160M 1589 A	BUFFER-TIME=26 672; FP-POS=3; LIFETIME-POS=L P10; SEGMENT=BOTH			1200 Secs (1200 Secs)		
										[==>]		[2]
	5	(2364865)	(5) J1626+2413	COS/FUV, TIME-TAG, PSA		G160M 1589 A	BUFFER-TIME=26 672; FP-POS=4; LIFETIME-POS=L P10; SEGMENT=BOTH			2500 Secs (2500 Secs)		
										[==>]		[3]





Proposal 18343 - Visit 11 - The First UV-Based Metallicity Constraints for AGN Dwarf Galaxies

Visit	Proposal 18343, Visit 11										Tue Aug 18 15:02:40 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: COS/NUV											
	Special Requirements: (none)											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(5)	J1626+2413	RA: 16 26 12.3430 (246.5514292d)		Epoch of Position: 2000		V=16.27		Reference Frame: ICRS			
		Alt Name1: LEDA-1702471	Dec: +24 13 30.47 (24.22513d)		Redshift: 0.037252173		GALEX NUV=18.281 FUV=18.584					
	Equinox: J2000											
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.												
Category=GALAXY												
Description=[NUCLEUS, SEYFERT]												
Extended=YES												
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(2366186)	(5) J1626+2413	COS/NUV, ACQ/IMAGE, PSA		MIRRORA				10 Secs (10 Secs)		
										[==>]		[1]
	2	(2364866)	(5) J1626+2413	COS/NUV, TIME-TAG, PSA		G185M	BUFFER-TIME=14			2100 Secs (2100 Secs)		
						1882 A	42;			[==>]		[1]
							FP-POS=2					
	3	(2364866)	(5) J1626+2413	COS/NUV, TIME-TAG, PSA		G185M	BUFFER-TIME=14			2475 Secs (2475 Secs)		
						1882 A	42;			[==>]		[2]
						FP-POS=3						
4	(2364866)	(5) J1626+2413	COS/NUV, TIME-TAG, PSA		G185M	BUFFER-TIME=14			2475 Secs (2475 Secs)			
					1882 A	42;			[==>]		[3]	
						FP-POS=4						

