



18341 - A Local UV Benchmark for Interpreting Unobscured Coronal-Line AGNs

Cycle: 34, Proposal Category: GO

(UV Initiative)

(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) SDSS-J073638.86+435316.6	COS/FUV COS/NUV	2	17-Aug-2026 05:00:17.0	yes
02	(2) SDSS-J161413.20+260416.3	COS/FUV COS/NUV	1	17-Aug-2026 05:00:17.0	yes
03	(3) SDSS-J171411.63+575834.0	COS/FUV COS/NUV	1	17-Aug-2026 05:00:18.0	yes
04	(4) SDSS-J030639.57+000343.1	COS/FUV COS/NUV	1	17-Aug-2026 05:00:19.0	yes
05	(5) SDSS-J075217.84+193542.2	COS/FUV COS/NUV	1	17-Aug-2026 05:00:19.0	yes
06	(6) ESO-362--G-018	COS/FUV COS/NUV	1	17-Aug-2026 05:00:20.0	yes

Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
07	(7) MRK-124	COS/FUV COS/NUV	1	17-Aug-2026 05:00:20.0	yes
08	(8) MRK-1239	COS/FUV COS/NUV	1	17-Aug-2026 05:00:21.0	yes
09	(9) H1143-182	COS/FUV COS/NUV	1	17-Aug-2026 05:00:22.0	yes
10	(10) NGC-4748	COS/FUV COS/NUV	1	17-Aug-2026 05:00:22.0	yes
11	(11) LEDA-90334	COS/FUV COS/NUV	1	17-Aug-2026 05:00:23.0	yes
12	(12) LEDA-89171	COS/FUV COS/NUV	1	17-Aug-2026 05:00:23.0	yes
13	(13) MRK-359	COS/FUV COS/NUV	1	17-Aug-2026 05:00:24.0	yes
14	(14) ESO-381-7	COS/FUV COS/NUV	1	17-Aug-2026 05:00:25.0	yes
15	(15) ESO-445-50	COS/FUV COS/NUV	1	17-Aug-2026 05:00:25.0	yes
16	(16) LEDA-68751	COS/FUV COS/NUV	1	17-Aug-2026 05:00:26.0	yes
17	(17) LEDA-965758	COS/FUV COS/NUV	1	17-Aug-2026 05:00:26.0	yes
18	(18) LEDA-163039	COS/FUV COS/NUV	1	17-Aug-2026 05:00:27.0	yes

19 Total Orbits Used

ABSTRACT

Coronal lines (CLs) trace extreme ionization in AGNs, yet the physical origin of the coronal-line region (CLR) remains poorly understood. With the advent of JWST, CLs and rest-frame UV broad emission lines (BELs) are increasingly used to identify AGNs at high- z , where standard optical diagnostics are ambiguous. However, interpreting these high-ionization lines is limited by the lack of a well-calibrated connection between the observed lines and the underlying ionizing continuum. Several UV BELs have ionization potentials similar to CLs, while originating closer to the central engine and providing a direct probe of the incident ionizing continua. Rest-frame UV spectroscopy therefore offers a powerful way to constrain the physical conditions and ionizing continua that produce CL emission.

We propose HST/COS UV spectroscopy of 18 local ($z < 0.15$), unobscured (Type 1) AGNs with optical and/or NIR CL detections, combined with 14 archival CL-AGNs with HST UV spectra. Using uniform spectral measurements and photoionization modeling, we will test whether the UV BELs and CLs can be explained by a common ionizing continuum. This sample will determine whether CL-AGNs exhibit distinct UV properties relative to AGNs without CLs and quantify how CL strength depends on ionizing continuum and gas conditions. This study will establish the first local UV benchmark for CL-confirmed Type 1 AGNs, providing the essential calibration needed to interpret high-ionization emission lines in the growing population of JWST AGN candidates at high- z . More broadly, it will deliver a legacy dataset linking CL-based AGN identification to black hole accretion and ionization physics across cosmic time.

OBSERVING DESCRIPTION

We will obtain COS/FUV spectroscopy for 18 Type 1 coronal-line AGNs using the G140L grating at the 1280 central wavelength setting.

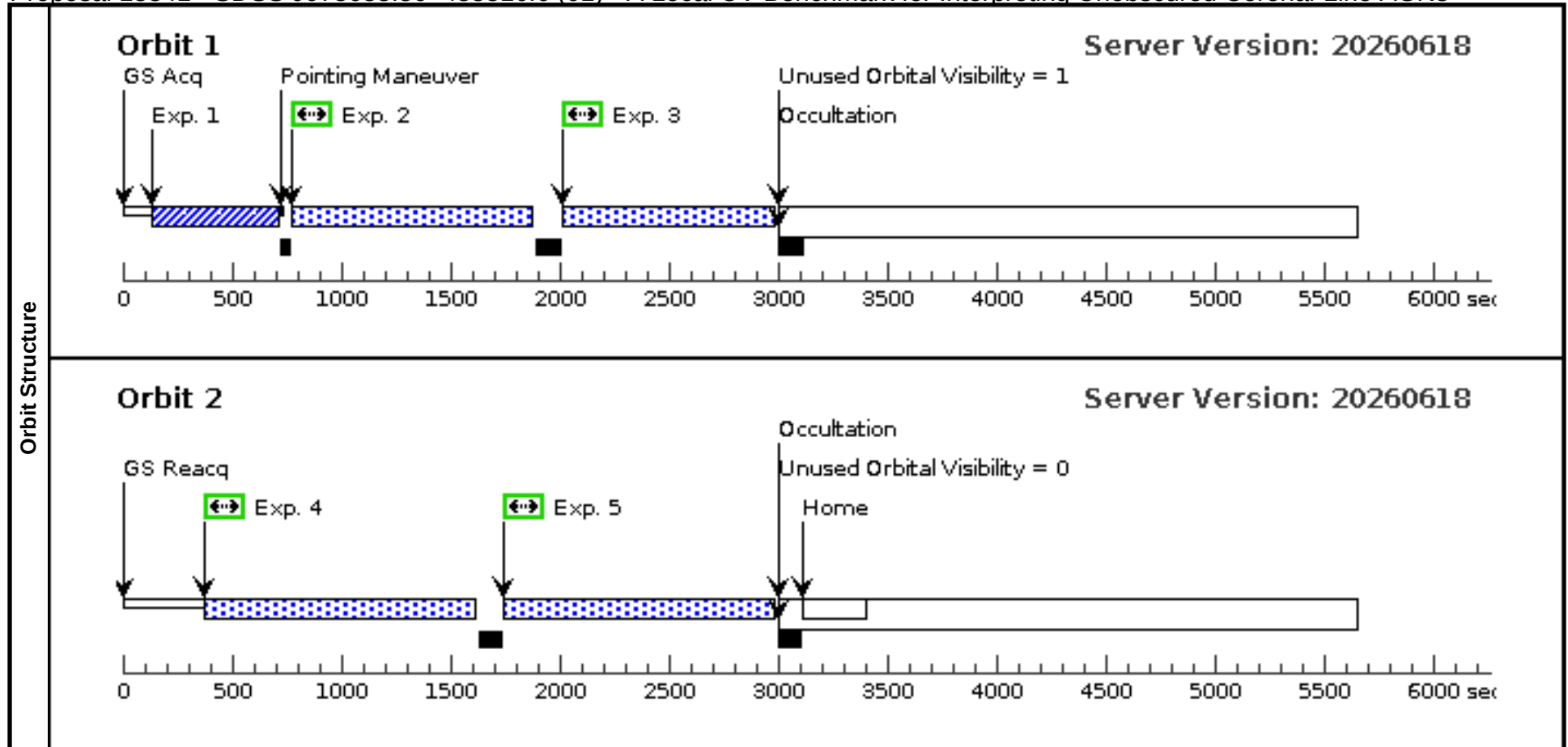
The standard COS point-source acquisition procedures are used with COS/NUV ACQ/IMAGE and PSA+MirrorB and BOA+MirrorA depending on the brightness of the target to meet the safety limits.

The science observations will use COS/FUV in TIME-TAG spectroscopic mode with G140L/1280. Exposures would be split using four FP-POS positions to improve fixed-pattern-noise rejection and detector sampling. No special timing, phase, or orientation constraints are required by the science goals.

The program requires 19 total prime orbits for 18 objects. 17 targets will be observed for one orbit each. The faintest target, SDSS-J073638.86+435316.6, will be observed for two orbits in order to reach the required signal-to-noise. The ETC calculations shown that we can reach $\text{SNR} > 10$ for our sample.

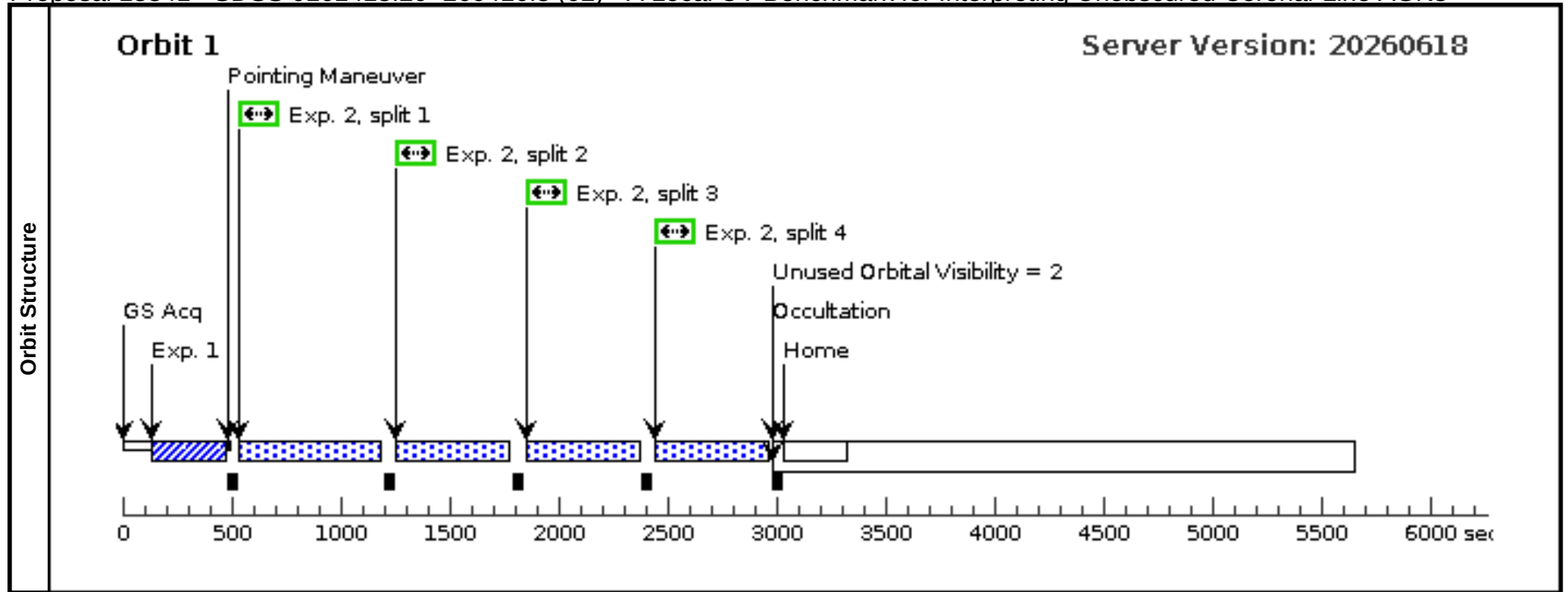
Proposal 18341 - SDSS J073638.86+435316.6 (01) - A Local UV Benchmark for Interpreting Unobscured Coronal-Line AGNs

Visit	Proposal 18341, SDSS J073638.86+435316.6 (01)										Mon Aug 17 09:00:27 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: COS/FUV, COS/NUV											
	Special Requirements: (none)											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(1)	SDSS-J073638.86+435316.6	RA: 07 36 38.8630 (114.1619292d) Dec: +43 53 16.53 (43.88793d) Equinox: J2000		Proper Motion RA: -0.943 mas/yr Proper Motion Dec: 0.41 mas/yr Parallax: 9.75E-4" Epoch of Position: 2000 Redshift: 0.114		V=17.36 NUV=20.1, FUV=20.5		Reference Frame: ICRS			
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.											
	SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.											
	Category=GALAXY Description=[NUCLEUS, SEYFERT] Extended=NO											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	ACQ (2363749)	(1) SDSS-J073638.86+435316.6	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				135 Secs (135 Secs)			
									[==>]		[1]	
	2	EXP1 (2363753)	(1) SDSS-J073638.86+435316.6	COS/FUV, TIME-TAG, PSA	G140L 1280 A	FP-POS=1; LIFETIME-POS=L P11; FLASH=YES; BUFFER-TIME=900			900 Secs (917 Secs)			
									[==>917.0 Secs]		[1]	
	3	EXP2 (2363753)	(1) SDSS-J073638.86+435316.6	COS/FUV, TIME-TAG, PSA	G140L 1280 A	FP-POS=2; LIFETIME-POS=L P11; FLASH=YES; BUFFER-TIME=900			900 Secs (917 Secs)			
									[==>917.0 Secs]		[1]	
	4	EXP3 (2363753)	(1) SDSS-J073638.86+435316.6	COS/FUV, TIME-TAG, PSA	G140L 1280 A	FP-POS=3; LIFETIME-POS=L P11; FLASH=YES; BUFFER-TIME=1200			1200 Secs (1188 Secs)			
									[==>1188.0 Secs]		[2]	
	5	EXP4 (2363753)	(1) SDSS-J073638.86+435316.6	COS/FUV, TIME-TAG, PSA	G140L 1280 A	FP-POS=4; LIFETIME-POS=L P11; FLASH=YES; BUFFER-TIME=1200			1200 Secs (1188 Secs)			
								[==>1188.0 Secs]		[2]		



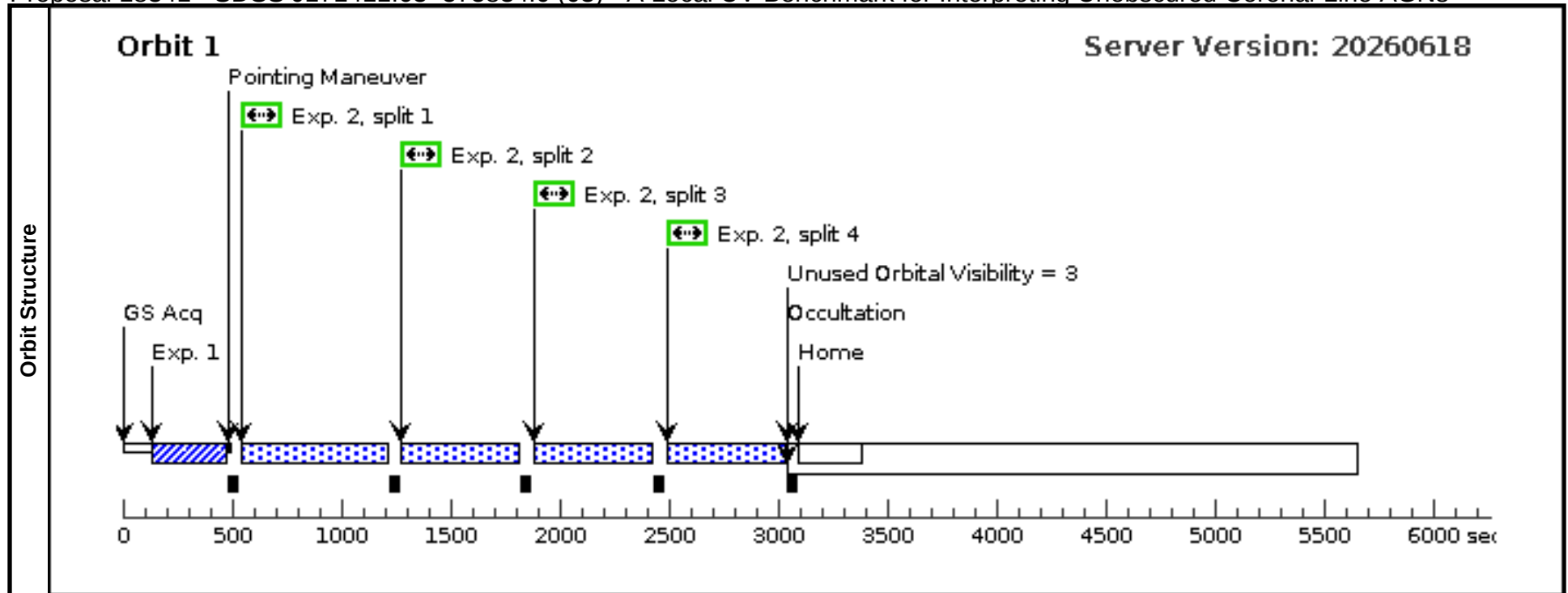
Proposal 18341 - SDSS-J161413.20+260416.3 (02) - A Local UV Benchmark for Interpreting Unobscured Coronal-Line AGNs

Visit	Proposal 18341, SDSS-J161413.20+260416.3 (02)								Mon Aug 17 09:00:28 GMT 2026	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: COS/FUV, COS/NUV									
	Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(2)	SDSS-J161413.20+260416.3	RA: 16 14 13.2050 (243.5550208d) Dec: +26 04 16.22 (26.07117d) Equinox: J2000	Proper Motion RA: -0.01 mas/yr Proper Motion Dec: 0.092 mas/yr Epoch of Position: 2000 Redshift: 0.131		V=16.50 NUV=17.6, FUV=16.8		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.									
	SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.									
	Category=GALAXY Description=[NUCLEUS, SEYFERT] Extended=NO									
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ (2363754)	(2) SDSS-J161413.20+260416.3	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				14 Secs (14 Secs)	
									[==>]	[1]
	2	EXP (2363755)	(2) SDSS-J161413.20+260416.3	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=1800; FP-POS=ALL; LIFETIME-POS=L P11; FLASH=YES			450 Secs (1876 Secs) [==>469.0 Secs (Split 1)] [==>469.0 Secs (Split 2)] [==>469.0 Secs (Split 3)] [==>469.0 Secs (Split 4)]	[1]



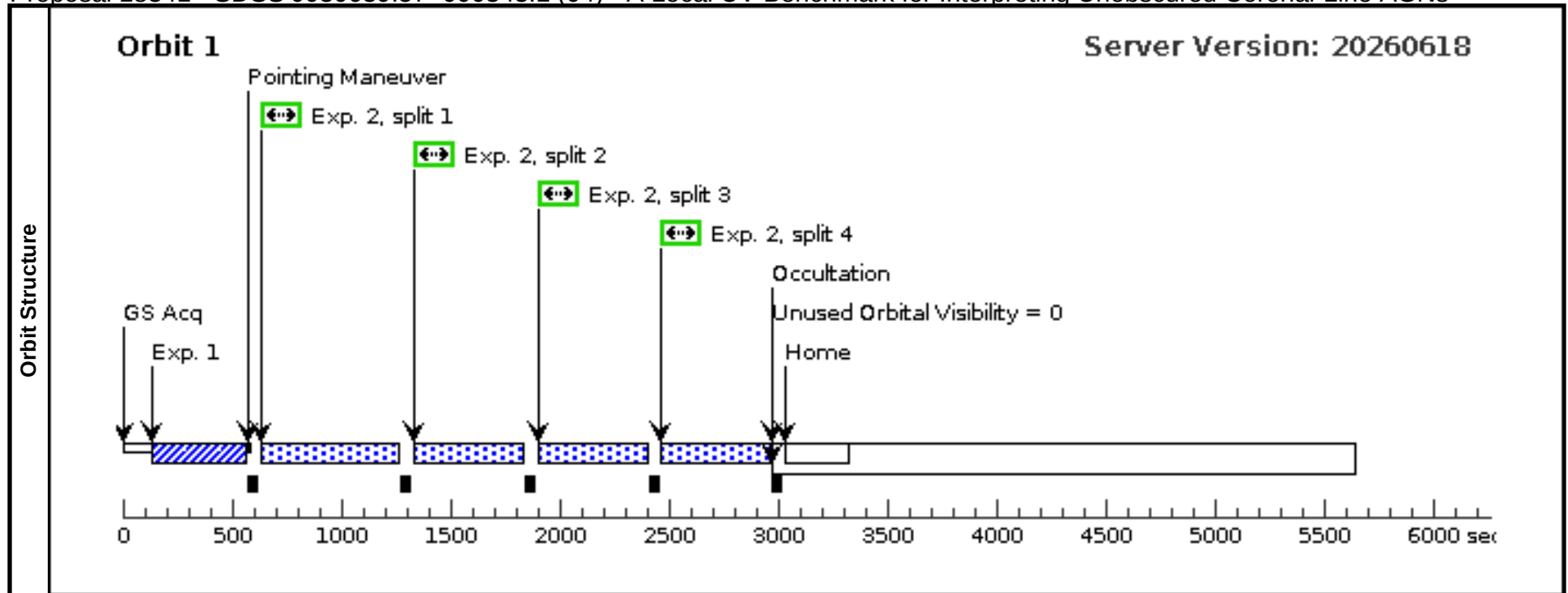
Proposal 18341 - SDSS J171411.63+575834.0 (03) - A Local UV Benchmark for Interpreting Unobscured Coronal-Line AGNs

Visit	Proposal 18341, SDSS J171411.63+575834.0 (03)										Mon Aug 17 09:00:28 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: COS/FUV, COS/NUV											
	Special Requirements: (none)											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(3)	SDSS-J171411.63+575834.0	RA: 17 14 11.6254 (258.5484392d) Dec: +57 58 33.99 (57.97611d) Equinox: J2000		Proper Motion RA: -0.072 mas/yr Proper Motion Dec: -0.07999990430107573 mas/yr Parallax: 6.4000000000000006E-6" Epoch of Position: 2000 Redshift: 0.093		V=16.52 NUV=17.8, FUV=17.6		Reference Frame: ICRS			
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.											
	SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.											
	Category=GALAXY Description=[NUCLEUS, SEYFERT] Extended=NO											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	ACQ (2363756)	(3) SDSS-J171411.6 3+575834.0	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				16 Secs (16 Secs)			
									[==>]		[1]	
	2	EXP (2363757)	(3) SDSS-J171411.6 3+575834.0	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=18 00; FP-POS=ALL; LIFETIME-POS=L P11; FLASH=YES			450 Secs (1932 Secs) [==>483.0 Secs (Split 1)] [==>483.0 Secs (Split 2)] [==>483.0 Secs (Split 3)] [==>483.0 Secs (Split 4)]		[1]	



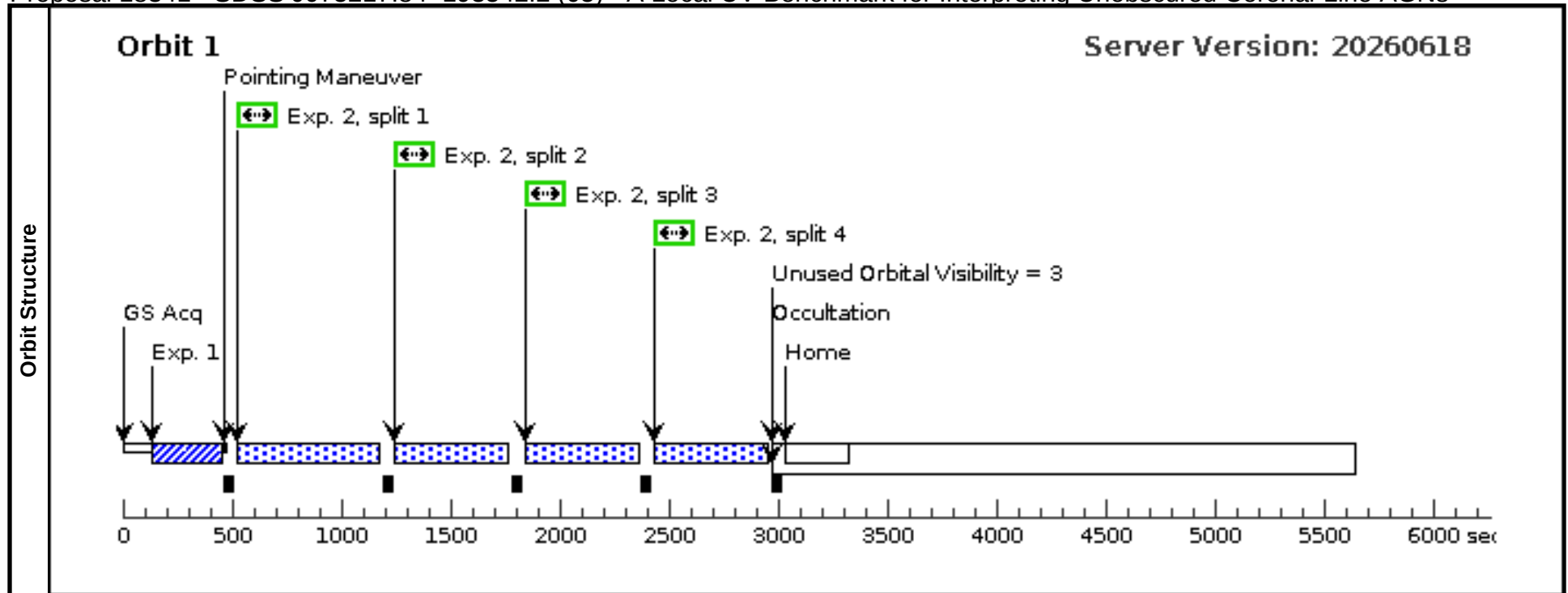
Proposal 18341 - SDSS J030639.57+000343.1 (04) - A Local UV Benchmark for Interpreting Unobscured Coronal-Line AGNs

Visit	Proposal 18341, SDSS J030639.57+000343.1 (04)										Mon Aug 17 09:00:28 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: COS/FUV, COS/NUV										
	Special Requirements: (none)										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(4)	SDSS-J030639.57+000343.1	RA: 03 06 39.5824 (46.6649267d) Dec: +00 03 43.16 (.06199d) Equinox: J2000		Proper Motion RA: 0.478999999999999 mas/yr Proper Motion Dec: 0.048 mas/yr Epoch of Position: 2000 Redshift: 0.107		V=17.54 NUV=19.3, FUV=18.7		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.										
	SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.										
	Category=GALAXY Description=[NUCLEUS, SEYFERT] Extended=NO										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	ACQ (2363758)	(4) SDSS-J030639.57+000343.1	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				63 Secs (63 Secs)		
									[==>]		[1]
	2	EXP (2363759)	(4) SDSS-J030639.57+000343.1	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=1800; FP-POS=ALL; LIFETIME-POS=L P11; FLASH=YES			445 Secs (1776 Secs)		
									[==>444.0 Secs (Split 1)] [==>444.0 Secs (Split 2)] [==>444.0 Secs (Split 3)] [==>444.0 Secs (Split 4)]		[1]



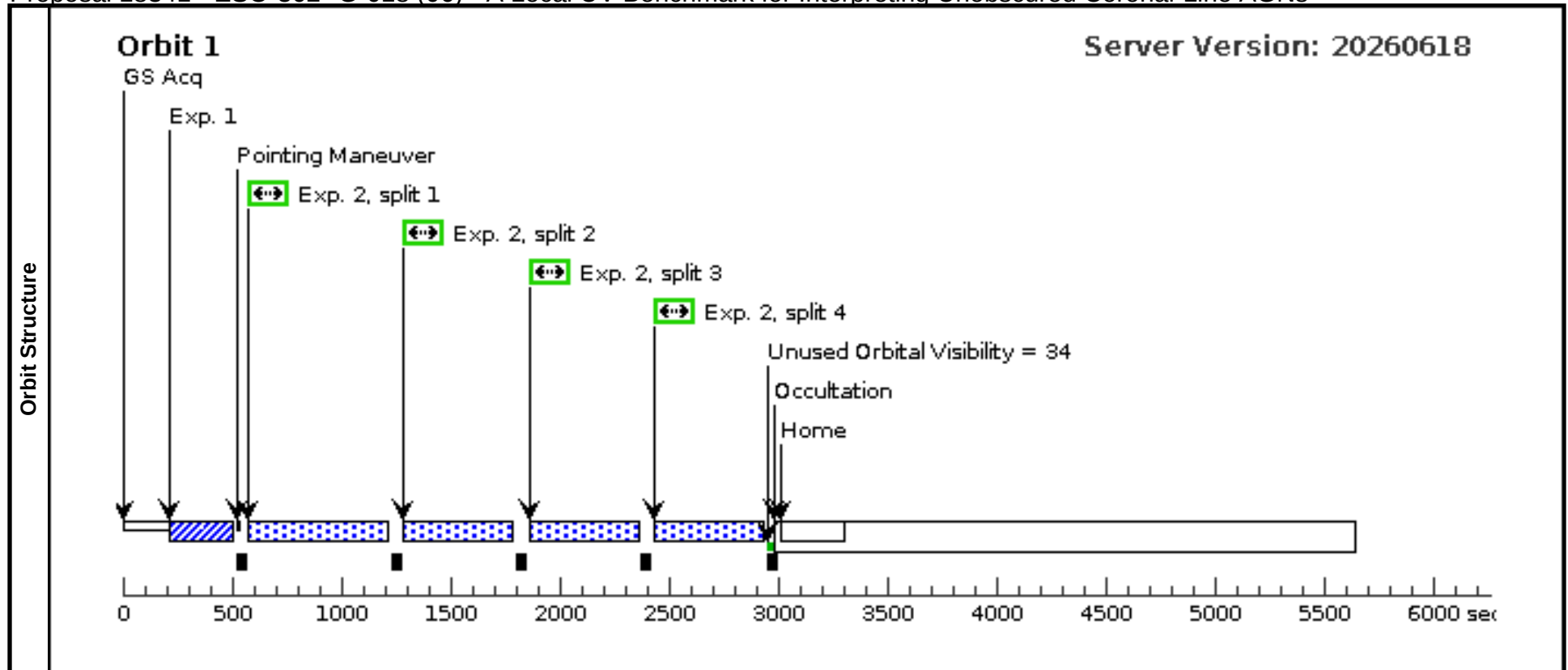
Proposal 18341 - SDSS J075217.84+193542.2 (05) - A Local UV Benchmark for Interpreting Unobscured Coronal-Line AGNs

Visit	Proposal 18341, SDSS J075217.84+193542.2 (05)										Mon Aug 17 09:00:28 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: COS/FUV, COS/NUV											
	Special Requirements: (none)											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(5)	SDSS-J075217.84+193542.2	RA: 07 52 17.8468 (118.0743617d)		Proper Motion RA: -0.081 mas/yr		V=16.09		Reference Frame: ICRS			
			Dec: +19 35 42.28 (19.59508d)		Proper Motion Dec: 0.525 mas/yr		B=16.4					
			Equinox: J2000		Epoch of Position: 2000							
			Redshift: 0.117									
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.											
SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.												
Category=GALAXY												
Description=[NUCLEUS, SEYFERT]												
Extended=NO												
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	ACQ (2363765)	(5) SDSS-J075217.84+193542.2	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				8 Secs (8 Secs)			
									[==>]			
	2	EXP (2363767)	(5) SDSS-J075217.84+193542.2	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=1800; FP-POS=ALL; LIFETIME-POS=L P11; FLASH=YES			450 Secs (1880 Secs)		[1]	
									[==>470.0 Secs (Split 1)]			
[==>470.0 Secs (Split 2)]												
									[==>470.0 Secs (Split 3)]			
									[==>470.0 Secs (Split 4)]			



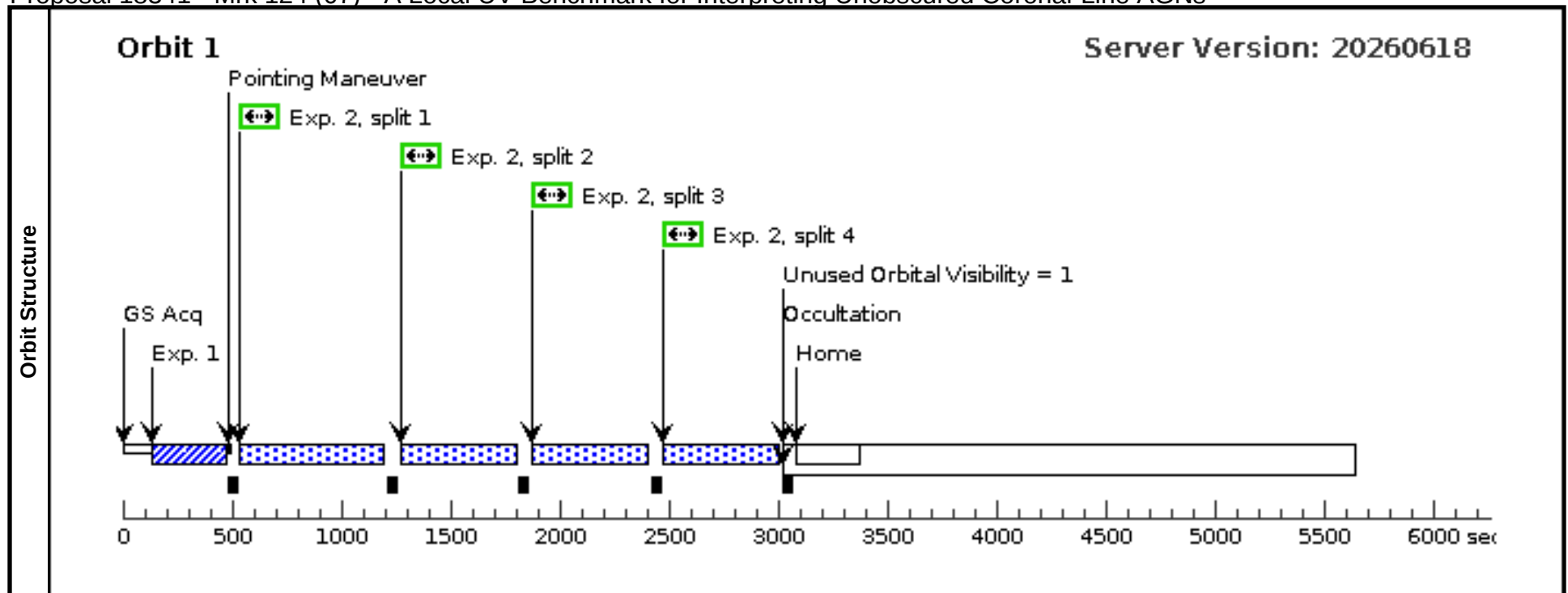
Proposal 18341 - ESO-362--G-018 (06) - A Local UV Benchmark for Interpreting Unobscured Coronal-Line AGNs

Visit	Proposal 18341, ESO-362--G-018 (06)									Mon Aug 17 09:00:28 GMT 2026
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: COS/FUV, COS/NUV									
	Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(6)	ESO-362--G-018	RA: 05 19 35.7984 (79.8991600d)	Proper Motion RA: -0.242 mas/yr		V=13.37		Reference Frame: ICRS		
			Dec: -32 39 27.29 (-32.65758d)	Proper Motion Dec: 0.003 mas/yr		NUV=15.4,				
			Equinox: J2000	Epoch of Position: 2000		FUV=16.0				
				Redshift: 0.0124						
	Comments: This object was generated by the targetselector and retrieved from the NED database.									
	Category=GALAXY									
	Description=[NUCLEUS, SEYFERT]									
	Extended=NO									
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ (2363800)	(6) ESO-362--G-018	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				35 Secs (35 Secs)	
									[==>]	[1]
	2	EXP (2363770)	(6) ESO-362--G-018	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=18 00; FP-POS=ALL; LIFETIME-POS=L P11; FLASH=YES			450 Secs (1800 Secs)	
									[==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]



Proposal 18341 - Mrk 124 (07) - A Local UV Benchmark for Interpreting Unobscured Coronal-Line AGNs

Visit	Proposal 18341, Mrk 124 (07)										Mon Aug 17 09:00:28 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: COS/FUV, COS/NUV											
	Special Requirements: (none)											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(7)	MRK-124	RA: 09 48 42.6774 (147.1778225d) Dec: +50 29 31.39 (50.49205d) Equinox: J2000		Proper Motion RA: -0.02 mas/yr Proper Motion Dec: 0.107 mas/yr Parallax: 2.999999999999997E-5" Epoch of Position: 2000 Redshift: 0.0563		V=16.6 NUV=17.7, FUV=18.6		Reference Frame: ICRS			
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.											
	SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.											
	Category=GALAXY Description=[NUCLEUS, SEYFERT] Extended=NO											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	ACQ (2363771)	(7) MRK-124	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				14 Secs (14 Secs)			
									[==>]		[1]	
	2	EXP (2363772)	(7) MRK-124	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=1800; FP-POS=ALL; LIFETIME-POS=L P11; FLASH=YES			450 Secs (1920 Secs) [==>480.0 Secs (Split 1)] [==>480.0 Secs (Split 2)] [==>480.0 Secs (Split 3)] [==>480.0 Secs (Split 4)]		[1]	

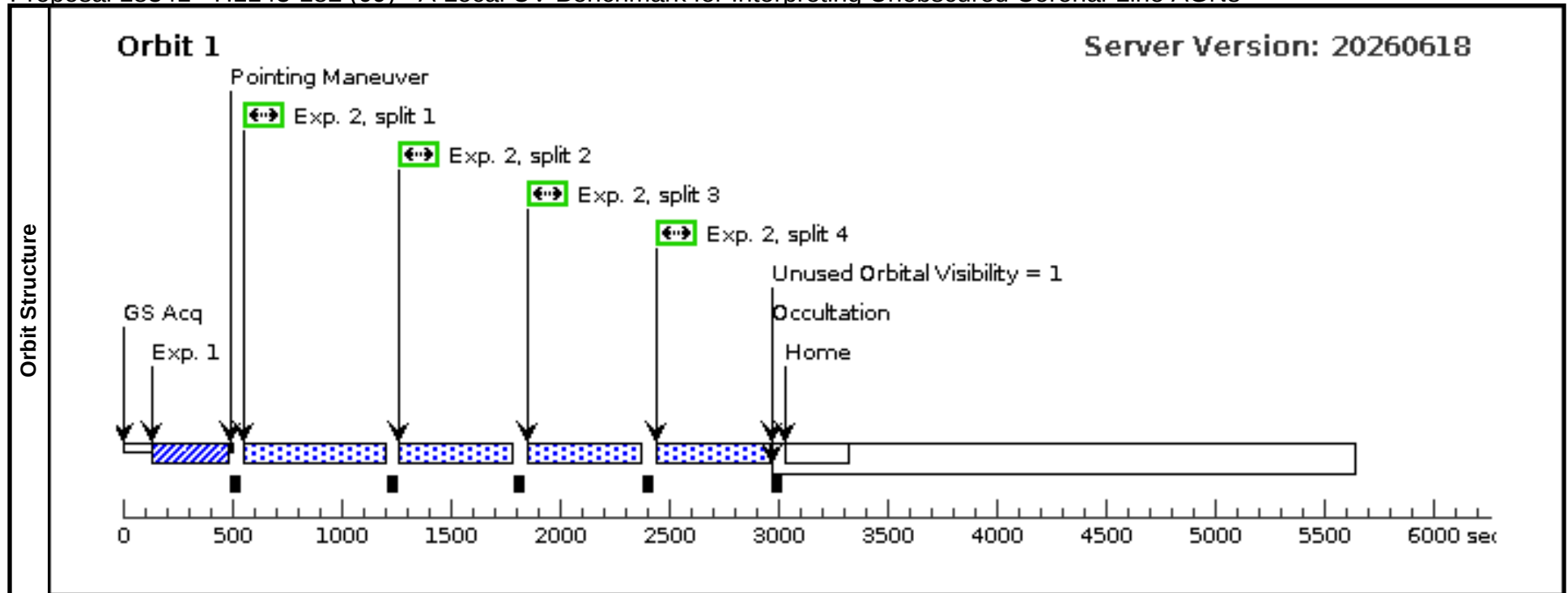


Proposal 18341 - Mrk 1239 (08) - A Local UV Benchmark for Interpreting Unobscured Coronal-Line AGNs

Visit	Proposal 18341, Mrk 1239 (08)										Mon Aug 17 09:00:28 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: COS/FUV, COS/NUV											
	Special Requirements: (none)											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(8)	MRK-1239	RA: 09 52 19.1680 (148.0798667d)		Proper Motion RA: 0 mas/yr		V=14.39		Reference Frame: ICRS			
			Dec: -01 36 44.10 (-1.61225d)		Proper Motion Dec: 0 mas/yr		NUV=17.3,					
			Equinox: J2000		Epoch of Position: 2000		FUV=18.0					
	Redshift: 0.0199											
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.											
	Category=GALAXY											
	Description=[NUCLEUS, SEYFERT]											
	Extended=NO											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	ACQ (2363773)	(8) MRK-1239	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				9 Secs (9 Secs)			
									[==>]		[1]	
	2	EXP (2363774)	(8) MRK-1239	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=1800; FP-POS=ALL; LIFETIME-POS=L P11; FLASH=YES			450 Secs (1884 Secs)			
									[==>471.0 Secs (Split 1)]			
									[==>471.0 Secs (Split 2)]			
									[==>471.0 Secs (Split 3)]			
									[==>471.0 Secs (Split 4)]		[1]	
Orbit Structure	Orbit 1 Server Version: 20260618											

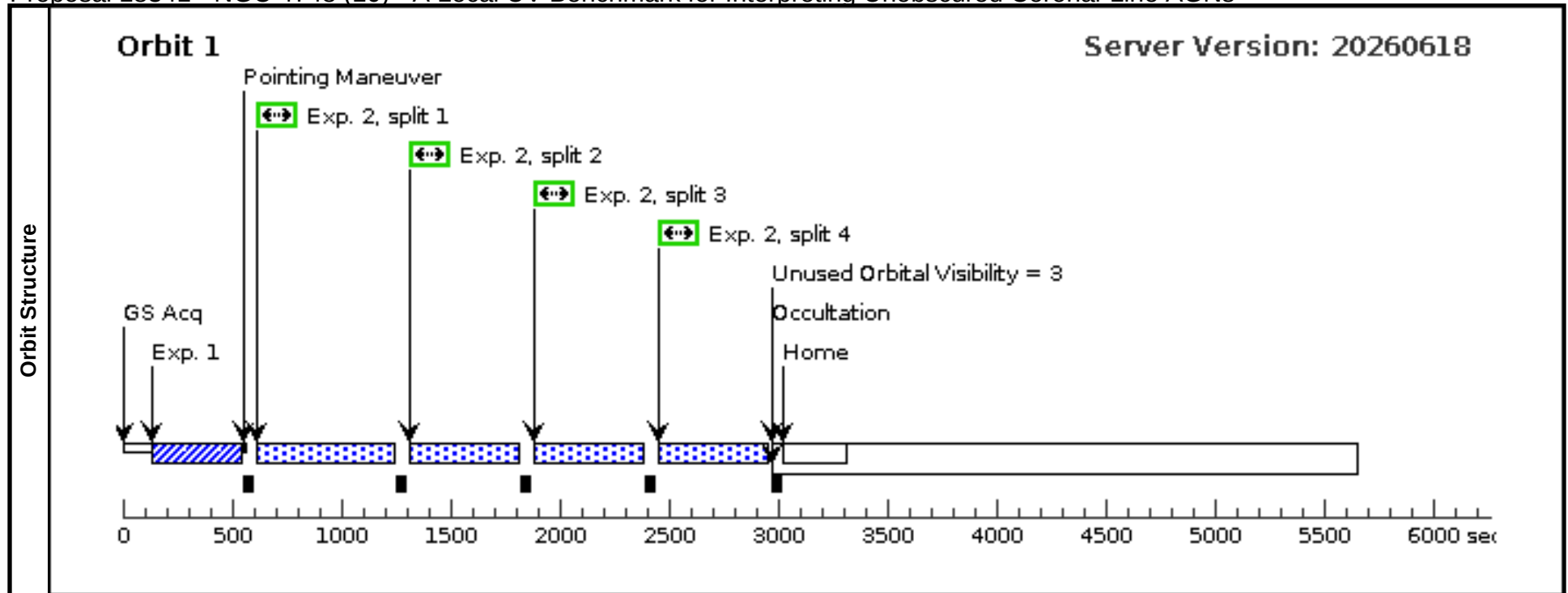
Proposal 18341 - H1143-182 (09) - A Local UV Benchmark for Interpreting Unobscured Coronal-Line AGNs

Visit	Proposal 18341, H1143-182 (09)									Mon Aug 17 09:00:28 GMT 2026
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: COS/FUV, COS/NUV									
	Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(9)	H1143-182	RA: 11 45 40.4653 (176.4186054d)	Proper Motion RA: 0.053 mas/yr		V=14.29		Reference Frame: ICRS		
			Dec: -18 27 14.96 (-18.45416d)	Proper Motion Dec: 0.011 mas/yr		NUV=14.8,				
			Equinox: J2000	Epoch of Position: 2000		FUV=14.8				
				Redshift: 0.0329						
			Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.							
	SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.									
	Category=GALAXY									
	Description=[NUCLEUS, SEYFERT]									
	Extended=NO									
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ (2363910)	(9) H1143-182	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				21 Secs (21 Secs)	
									[==>]	[1]
	2	EXP (2363777)	(9) H1143-182	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=1800; FP-POS=ALL; LIFETIME-POS=L P11; FLASH=YES			450 Secs (1856 Secs)	
									[==>464.0 Secs (Split 1)] [==>464.0 Secs (Split 2)] [==>464.0 Secs (Split 3)] [==>464.0 Secs (Split 4)]	[1]



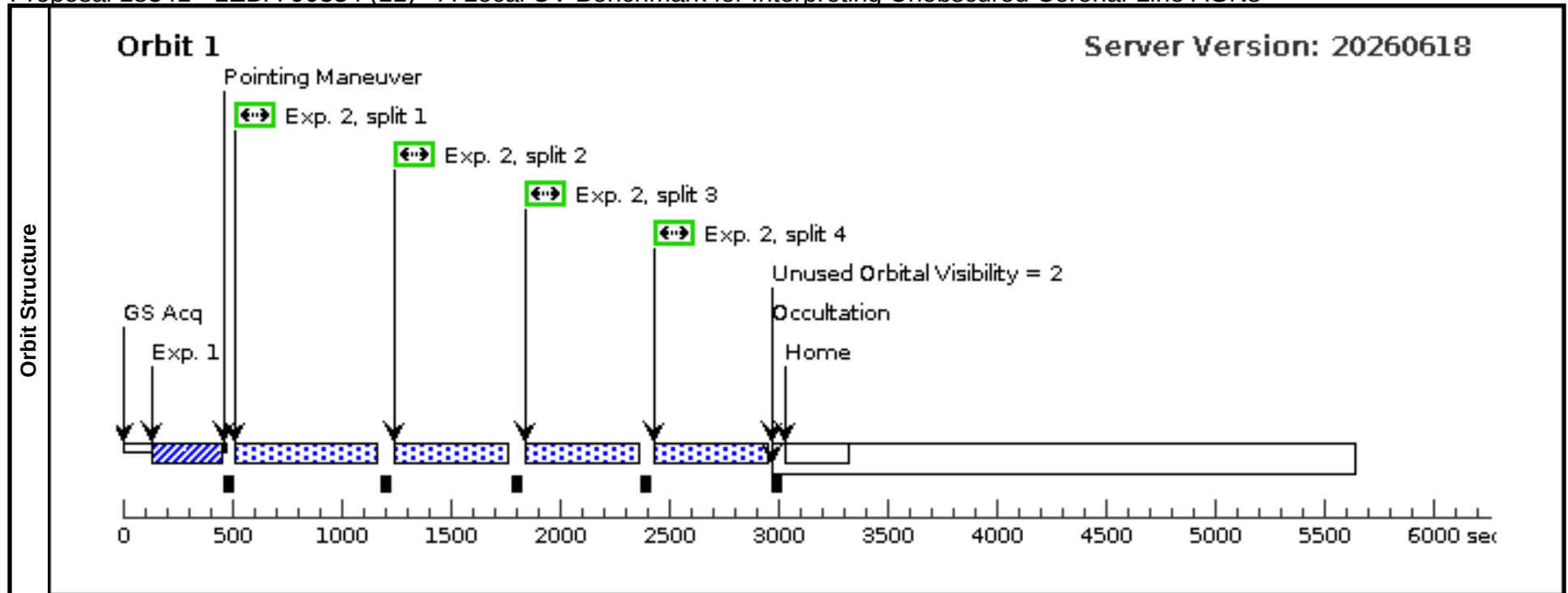
Proposal 18341 - NGC 4748 (10) - A Local UV Benchmark for Interpreting Unobscured Coronal-Line AGNs

Visit	Proposal 18341, NGC 4748 (10)										Mon Aug 17 09:00:28 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: COS/FUV, COS/NUV										
	Special Requirements: (none)										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(10)	NGC-4748	RA: 12 52 12.4651 (193.0519379d)		Proper Motion RA: -0.029 mas/yr		V=14.03		Reference Frame: ICRS		
			Dec: -13 24 53.26 (-13.41479d)		Proper Motion Dec: 0.05999999999999999 mas/yr		NUV=15.8,				
			Equinox: J2000		Epoch of Position: 2000		FUV=16.1				
					Redshift: 0.0146						
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.										
	SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.										
	Category=GALAXY										
	Description=[NUCLEUS, SEYFERT]										
	Extended=NO										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	ACQ (2363911)	(10) NGC-4748	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				51 Secs (51 Secs)		
									[==>]		[1]
	2	EXP (2363780)	(10) NGC-4748	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=1800; FP-POS=ALL; LIFETIME-POS=L P11; FLASH=YES			450 Secs (1792 Secs)		
									[==>448.0 Secs (Split 1)] [==>448.0 Secs (Split 2)] [==>448.0 Secs (Split 3)] [==>448.0 Secs (Split 4)]		[1]



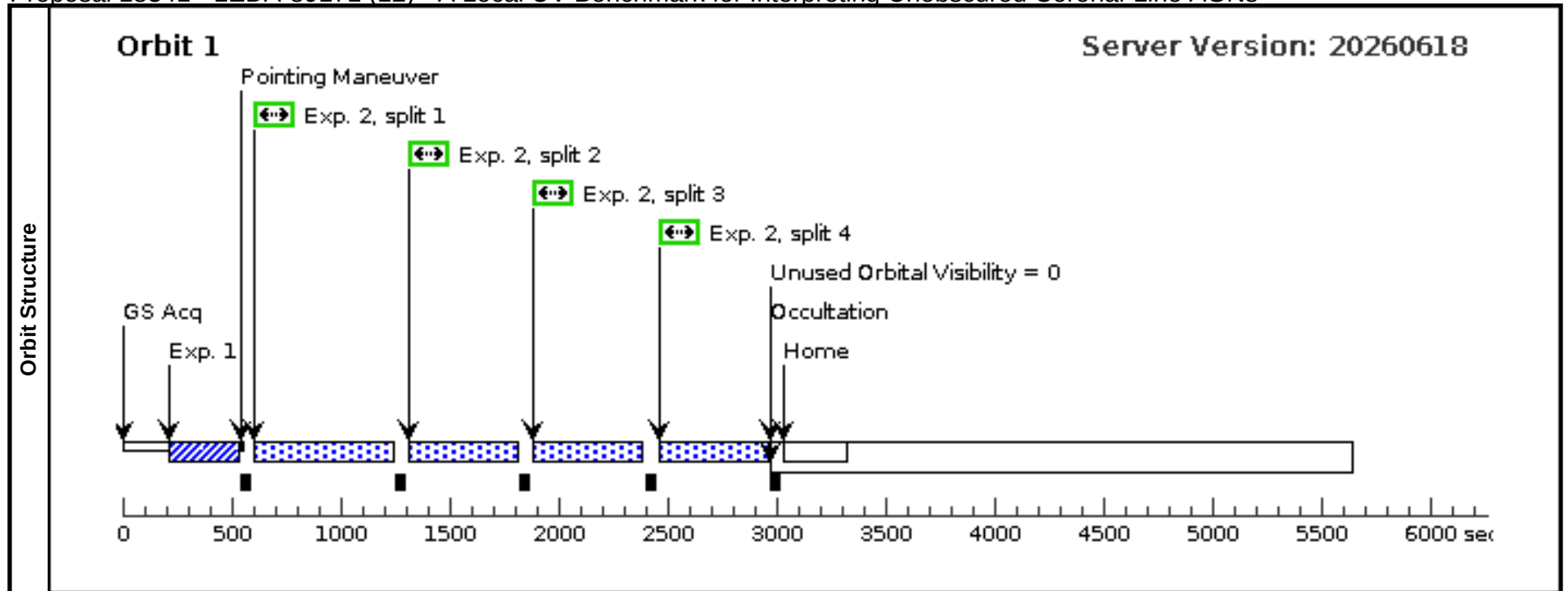
Proposal 18341 - LEDA-90334 (11) - A Local UV Benchmark for Interpreting Unobscured Coronal-Line AGNs

Visit	Proposal 18341, LEDA-90334 (11)										Mon Aug 17 09:00:28 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: COS/FUV, COS/NUV											
	Special Requirements: (none)											
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes		Miscellaneous			
	(11)	LEDA-90334	RA: 19 37 33.0247 (294.3876029d) Dec: -06 13 4.81 (-6.21800d) Equinox: J2000	Proper Motion RA: 0.013999999999999999 mas/yr Proper Motion Dec: 0.055999999999999994 mas/yr Epoch of Position: 2000 Redshift: 0.0103			V=15.35 B=16.1		Reference Frame: ICRS			
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.											
	SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.											
	Category=GALAXY Description=[NUCLEUS, SEYFERT] Extended=NO											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	ACQ (2363781)	(11) LEDA-90334	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				5 Secs (5 Secs)			
									[==>]		[1]	
	2	EXP (2363782)	(11) LEDA-90334	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=1800; FP-POS=ALL; LIFETIME-POS=L P11; FLASH=YES			450 Secs (1888 Secs)			
									[==>472.0 Secs (Split 1)] [==>472.0 Secs (Split 2)] [==>472.0 Secs (Split 3)] [==>472.0 Secs (Split 4)]		[1]	



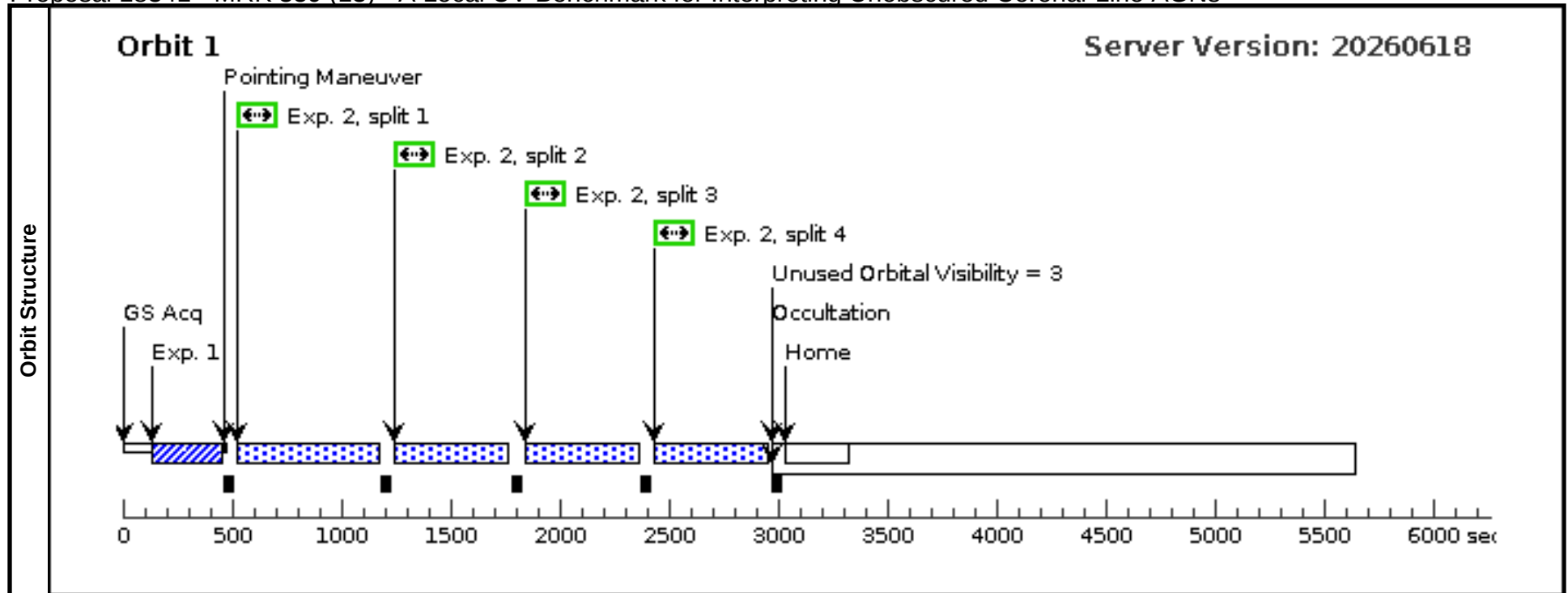
Proposal 18341 - LEDA-89171 (12) - A Local UV Benchmark for Interpreting Unobscured Coronal-Line AGNs

Visit	Proposal 18341, LEDA-89171 (12)										Mon Aug 17 09:00:28 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: COS/FUV, COS/NUV										
	Special Requirements: (none)										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(12)	LEDA-89171	RA: 21 09 9.9697 (317.2915404d) Dec: -09 40 14.76 (-9.67077d) Equinox: J2000	Proper Motion RA: -0.063 mas/yr Proper Motion Dec: 0.045 mas/yr Parallax: 1.41E-5" Epoch of Position: 2000 Redshift: 0.0266		V=14.39 NUV=15.7, FUV=15.8		Reference Frame: ICRS			
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.										
	SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.										
	Category=GALAXY Description=[NUCLEUS, SEYFERT] Extended=NO										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	ACQ (2363912)	(12) LEDA-89171	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				47 Secs (47 Secs)		
									[==>]		[1]
	2	EXP (2363783)	(12) LEDA-89171	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=1800; FP-POS=ALL; LIFETIME-POS=L P11; FLASH=YES			450 Secs (1800 Secs) [==>450.0 Secs (Split 1)] [==>450.0 Secs (Split 2)] [==>450.0 Secs (Split 3)] [==>450.0 Secs (Split 4)]		[1]



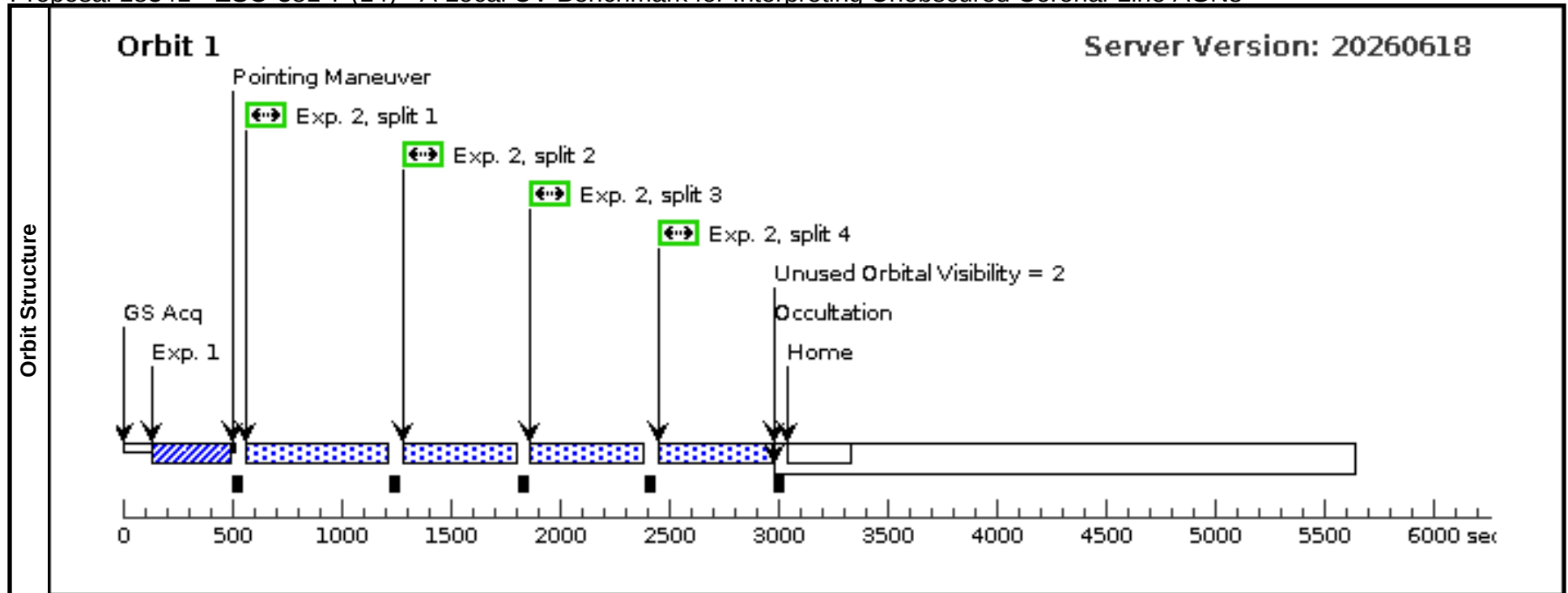
Proposal 18341 - MRK 359 (13) - A Local UV Benchmark for Interpreting Unobscured Coronal-Line AGNs

Visit	Proposal 18341, MRK 359 (13)										Mon Aug 17 09:00:28 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: COS/FUV, COS/NUV											
	Special Requirements: (none)											
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes		Miscellaneous			
	(13)	MRK-359	RA: 01 27 32.5217 (21.8855071d) Dec: +19 10 43.84 (19.17884d) Equinox: J2000	Proper Motion RA: -0.1219999999999998 mas/yr Proper Motion Dec: 0.039 mas/yr Parallax: 3.535E-4" Epoch of Position: 2000 Redshift: 0.017			V=14.22 NUV=16.8, FUV=17.0		Reference Frame: ICRS			
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.											
	SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.											
	Category=GALAXY Description=[NUCLEUS, SEYFERT] Extended=NO											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	ACQ (2363785)	(13) MRK-359	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				6 Secs (6 Secs)			
									[==>]		[1]	
	2	EXP (2363786)	(13) MRK-359	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=1800; FP-POS=ALL; LIFETIME-POS=L P11; FLASH=YES				450 Secs (1884 Secs) [==>471.0 Secs (Split 1)] [==>471.0 Secs (Split 2)] [==>471.0 Secs (Split 3)] [==>471.0 Secs (Split 4)]		[1]



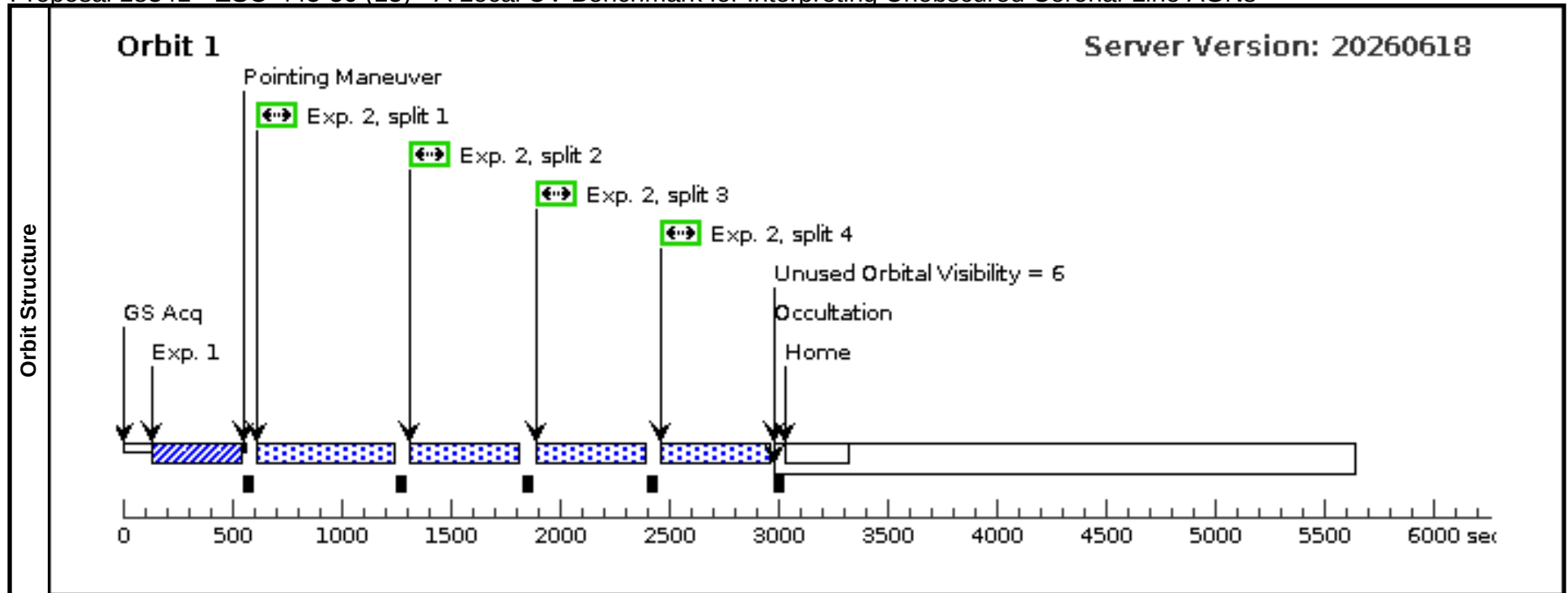
Proposal 18341 - ESO-381-7 (14) - A Local UV Benchmark for Interpreting Unobscured Coronal-Line AGNs

Visit	Proposal 18341, ESO-381-7 (14)										Mon Aug 17 09:00:28 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: COS/FUV, COS/NUV										
	Special Requirements: (none)										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes		Miscellaneous		
	(14)	ESO-381-7	RA: 12 40 46.9637 (190.1956821d) Dec: -33 34 11.85 (-33.56996d) Equinox: J2000	Proper Motion RA: -0.305 mas/yr Proper Motion Dec: 0.119 mas/yr Parallax: 1.528E-4" Epoch of Position: 2000 Redshift: 0.055			V=15.9 NUV=18.5, FUV=18.2		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.										
	SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.										
	Category=GALAXY Description=[NUCLEUS, SEYFERT] Extended=NO										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	ACQ (2363787)	(14) ESO-381-7	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				28 Secs (28 Secs)		
									[==>]		[1]
	2	EXP (2363788)	(14) ESO-381-7	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=18 00; FP-POS=ALL; LIFETIME-POS=L P11; FLASH=YES			450 Secs (1852 Secs) [==>463.0 Secs (Split 1)] [==>463.0 Secs (Split 2)] [==>463.0 Secs (Split 3)] [==>463.0 Secs (Split 4)]		[1]



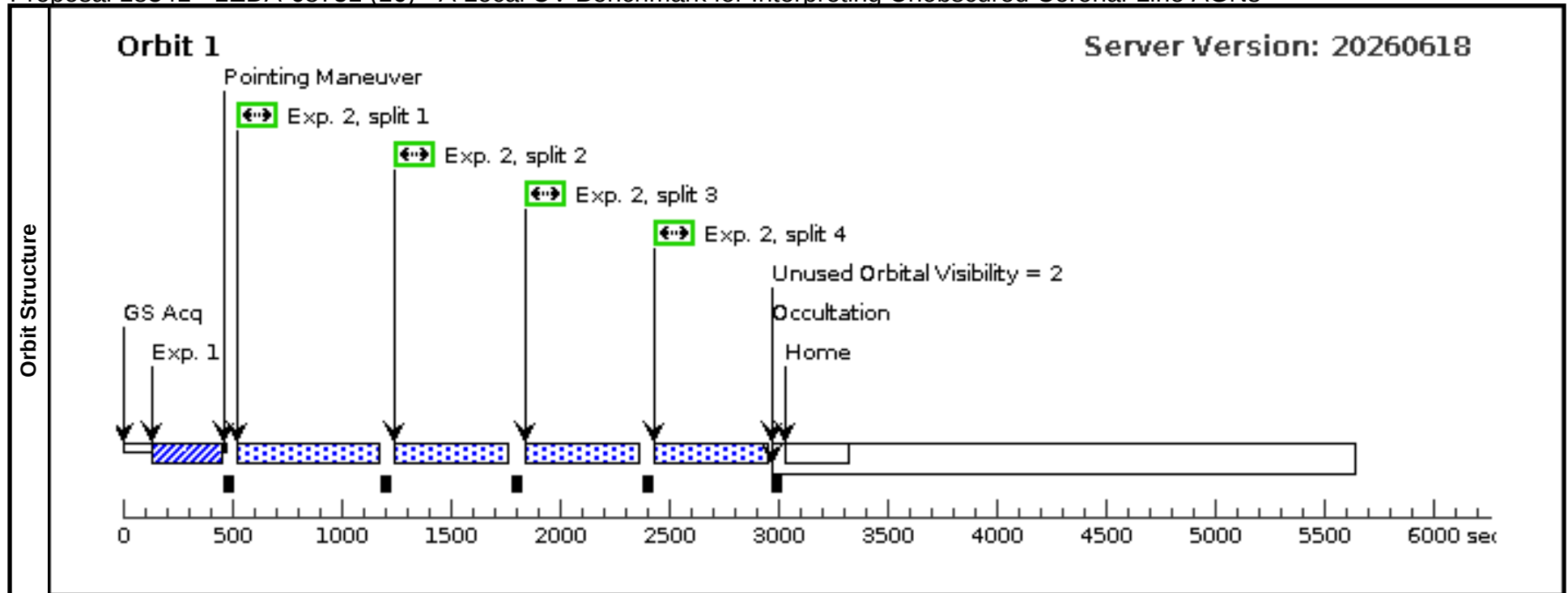
Proposal 18341 - ESO-445-50 (15) - A Local UV Benchmark for Interpreting Unobscured Coronal-Line AGNs

Visit	Proposal 18341, ESO-445-50 (15)										Mon Aug 17 09:00:28 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: COS/FUV, COS/NUV										
	Special Requirements: (none)										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(15)	ESO-445-50	RA: 13 49 19.2602 (207.3302508d)		Proper Motion RA: 0.059 mas/yr		V=13.66		Reference Frame: ICRS		
			Dec: -30 18 34.21 (-30.30950d)		Proper Motion Dec: -0.005000083547201939 mas/yr		NUV=19.2,				
			Equinox: J2000		Epoch of Position: 2000		FUV=18.7				
					Redshift: 0.016						
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.										
	SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.										
	Category=GALAXY										
	Description=[NUCLEUS, SEYFERT]										
	Extended=NO										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	ACQ (2363789)	(15) ESO-445-50	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				52 Secs (52 Secs)		
									[==>]		[1]
	2	EXP (2363790)	(15) ESO-445-50	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=1800; FP-POS=ALL; LIFETIME-POS=L P11; FLASH=YES			450 Secs (1800 Secs)		
									[==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]		[1]



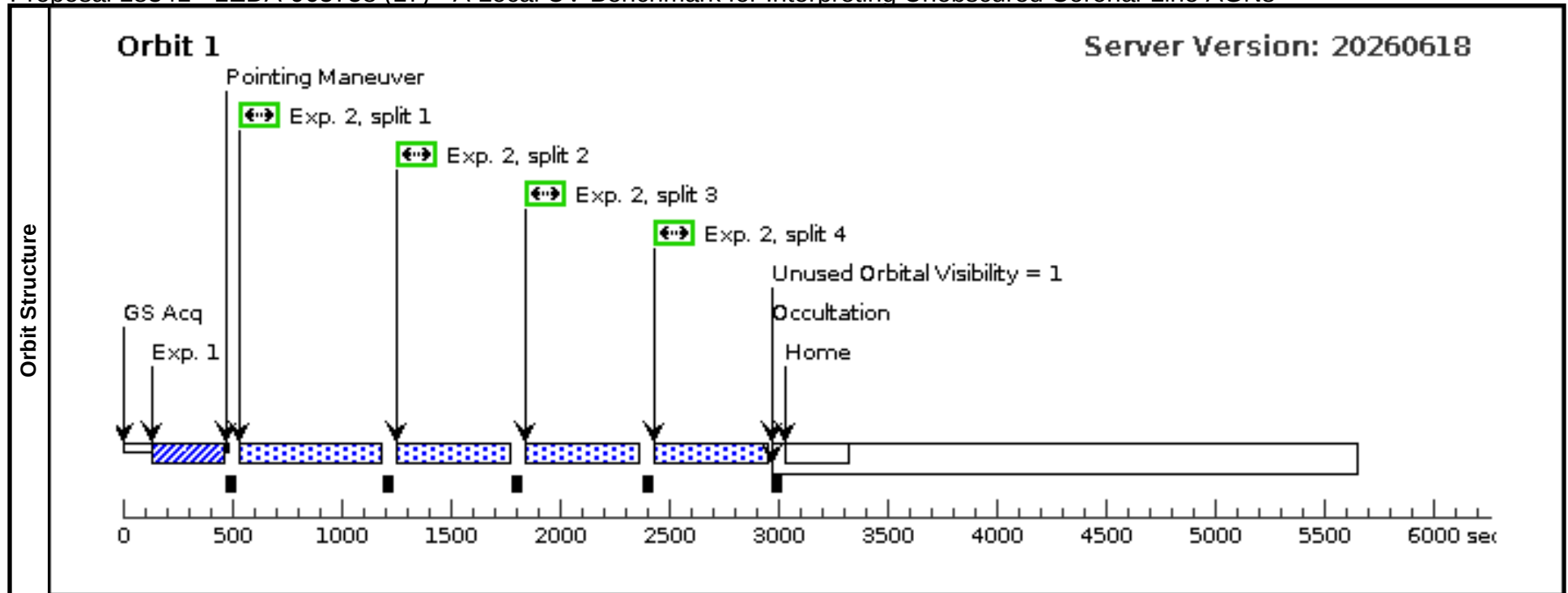
Proposal 18341 - LEDA-68751 (16) - A Local UV Benchmark for Interpreting Unobscured Coronal-Line AGNs

Visit	Proposal 18341, LEDA-68751 (16)										Mon Aug 17 09:00:28 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: COS/FUV, COS/NUV											
	Special Requirements: (none)											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(16)	LEDA-68751	RA: 22 23 49.5401 (335.9564171d)		Proper Motion RA: -0.414 mas/yr		V=15.77		Reference Frame: ICRS			
			Dec: -02 06 12.86 (-2.10357d)		Proper Motion Dec: 0.067 mas/yr		B=16.9					
			Equinox: J2000		Parallax: 2.0830000000000002E-4"							
					Epoch of Position: 2000							
				Redshift: 0.06								
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.											
	SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.											
	Category=GALAXY											
	Description=[NUCLEUS, SEYFERT]											
	Extended=NO											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	ACQ (2363793)	(16) LEDA-68751	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				6 Secs (6 Secs)			
									[==>]		[1]	
	2	EXP (2363794)	(16) LEDA-68751	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=1800; FP-POS=ALL; LIFETIME-POS=L P11; FLASH=YES			450 Secs (1888 Secs)			
									[==>472.0 Secs (Split 1)] [==>472.0 Secs (Split 2)] [==>472.0 Secs (Split 3)] [==>472.0 Secs (Split 4)]		[1]	



Proposal 18341 - LEDA-965758 (17) - A Local UV Benchmark for Interpreting Unobscured Coronal-Line AGNs

Visit	Proposal 18341, LEDA-965758 (17)										Mon Aug 17 09:00:28 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: COS/FUV, COS/NUV											
	Special Requirements: (none)											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(17)	LEDA-965758	RA: 10 37 3.7613 (159.2656721d)		Proper Motion RA: -0.089 mas/yr		V=16.2		Reference Frame: ICRS			
			Dec: -11 26 24.43 (-11.44012d)		Proper Motion Dec: 0.11 mas/yr		B=16.9,					
			Equinox: J2000		Parallax: 9.94E-5"		R=15.6					
					Epoch of Position: 2000							
				Redshift: 0.05								
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.											
	SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.											
	Category=GALAXY											
	Description=[NUCLEUS, SEYFERT]											
	Extended=NO											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	ACQ (2363909)	(17) LEDA-965758	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				12 Secs (12 Secs)			
									[==>]		[1]	
	2	EXP (2363795)	(17) LEDA-965758	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=1800; FP-POS=ALL; LIFETIME-POS=L P11; FLASH=YES			450 Secs (1872 Secs)			
									[==>468.0 Secs (Split 1)] [==>468.0 Secs (Split 2)] [==>468.0 Secs (Split 3)] [==>468.0 Secs (Split 4)]		[1]	



Proposal 18341 - LEDA-163039 (18) - A Local UV Benchmark for Interpreting Unobscured Coronal-Line AGNs

Visit	Proposal 18341, LEDA-163039 (18)										Mon Aug 17 09:00:28 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: COS/FUV, COS/NUV											
	Special Requirements: (none)											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(18)	LEDA-163039	RA: 21 17 41.6502 (319.4235425d) Dec: -02 08 33.76 (-2.14271d) Equinox: J2000		Proper Motion RA: -0.49299999999999994 mas/yr Proper Motion Dec: -0.15000005078036338 mas/yr Parallax: 1.192E-4" Epoch of Position: 2000 Redshift: 0.09		V=16.2 NUV=16.8, FUV=17.3		Reference Frame: ICRS			
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.											
	SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=GALAXY Description=[NUCLEUS, SEYFERT] Extended=NO											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	ACQ (2363791)	(18) LEDA-163039	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				7 Secs (7 Secs)			
									[==>]		[1]	
	2	EXP (2363792)	(18) LEDA-163039	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=1800; FP-POS=ALL; LIFETIME-POS=L P11; FLASH=YES			450 Secs (1888 Secs) [==>472.0 Secs (Split 1)] [==>472.0 Secs (Split 2)] [==>472.0 Secs (Split 3)] [==>472.0 Secs (Split 4)]		[1]	

