



18431 - Minor Axis, Major Insight: A COS Survey of Multi-Phase Galactic Outflows

Cycle: 34, Proposal Category: GO

(UV Initiative)

(Availability Mode: SUPPORTED)

INVESTIGATORS

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VISITS

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(1) G1O	COS/FUV COS/NUV	3	27-Aug-2026 13:00:37.0	yes
02	(2) G2O	COS/FUV COS/NUV	2	27-Aug-2026 13:00:37.0	yes
03	(3) G3O	COS/FUV COS/NUV	3	27-Aug-2026 13:00:38.0	yes
04	(4) G4O	COS/FUV COS/NUV	4	27-Aug-2026 13:00:39.0	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>
10	(4) G4O	COS/FUV COS/NUV	3	27-Aug-2026 13:00:40.0	yes
05	(5) G5O	COS/FUV COS/NUV	4	27-Aug-2026 13:00:41.0	yes
11	(5) G5O	COS/FUV COS/NUV	3	27-Aug-2026 13:00:43.0	yes
06	(6) G6O	COS/FUV COS/NUV	3	27-Aug-2026 13:00:43.0	yes
13	(6) G6O	COS/FUV COS/NUV	3	27-Aug-2026 13:00:44.0	yes
07	(7) G7O	COS/FUV COS/NUV	5	27-Aug-2026 13:00:45.0	yes
08	(8) G8O	COS/FUV COS/NUV	4	27-Aug-2026 13:00:46.0	yes
09	(9) G9O	COS/FUV COS/NUV	4	27-Aug-2026 13:00:48.0	yes
12	(9) G9O	COS/FUV COS/NUV	3	27-Aug-2026 13:00:48.0	yes

44 Total Orbits Used

ABSTRACT

Galactic outflows are a key regulator of galaxy evolution, yet their physical structure, metal content, and radial evolution remain poorly constrained observationally. We propose to use HST/COS far-ultraviolet spectroscopy to characterize multi-phase outflowing gas in the circumgalactic medium of star-forming galaxies.

Our program targets nine inclined, isolated, star-forming disk galaxies at $z \sim 0.2$, probed by background quasars along their minor axes at projected distances of 12-49 kpc. Each sightline already exhibits MgII absorption at the galaxy redshift, enabling a focused study of systems in which cool circumgalactic gas is known to be present. The COS data will measure the kinematics, metallicity, and ionization structure of the gas, from HI and

low ions to OVI, thereby constraining the multi-phase nature of galactic winds across the inner and outer circumgalactic medium.

These observations will test the kinematic coupling of the cool and warm-hot phases with radius, provide empirical benchmarks for distinguishing among competing wind-driving scenarios, and constrain how mass and metals are transported from galaxies into their halos by combining the COS spectroscopy with existing ground-based galaxy and quasar data. This program will provide a well-characterized minor-axis dataset for clarifying how galactic outflows shape the physical and chemical structure of the circumgalactic medium.

OBSERVING DESCRIPTION

QSO Spectroscopy with COS: Our science analysis is focused on measuring (a) the kinematics of low, intermediate, and high-ionization CGM gas using both the pixel-velocity two-point correlation function (TPCF) and Voigt profile (VP) fitting and (b) measuring the metallicities from VP column densities and ionization modeling. From these measurements, we will then quantitatively characterize the differences and/or similarities major axis and minor axis CGM, with 9 minor axis (those proposed for here) and 9 major axis galaxies (from PID 17541).

We use the G130M grating with a single optimized central wavelength per target to cover a diverse range of low-ionization metal lines (OI, CII, NII, FeII, SiII), intermediate-ionization lines (NIII and CIII) and the OVI high-ionization lines. For 5 galaxies, we cover the entire Lyman series from Lybeta to the break and for

four galaxies from Lybeta to Lytau . Since all absorbers are expected to have $\log N(\text{HI}) > 17$, we would gain little-to-no constraints from the highly-saturated Ly-alpha lines. We used the COS ETC to estimate exposure times required to achieve signal-to-noise ratios (S/N) of 12 per resolution element after binning by three in the dispersion direction, yielding 2.7 pixels per resolution element. For our binning at $S/N = 12$, COS delivers a 3-sigma detection threshold of 25 mÅ.

The coordinates of our point-source targets are much better than 0.5". We thus adopt the minimal approach to target acquisition. We use the NUV imager with MIRRORA in ACQ IMAGE mode through the PSA aperture. Exposure times were determined using the COS ETC to ensure we achieve the recommended SNR of 20 for target acquisitions. The NUV magnitudes were obtained from GALEX.

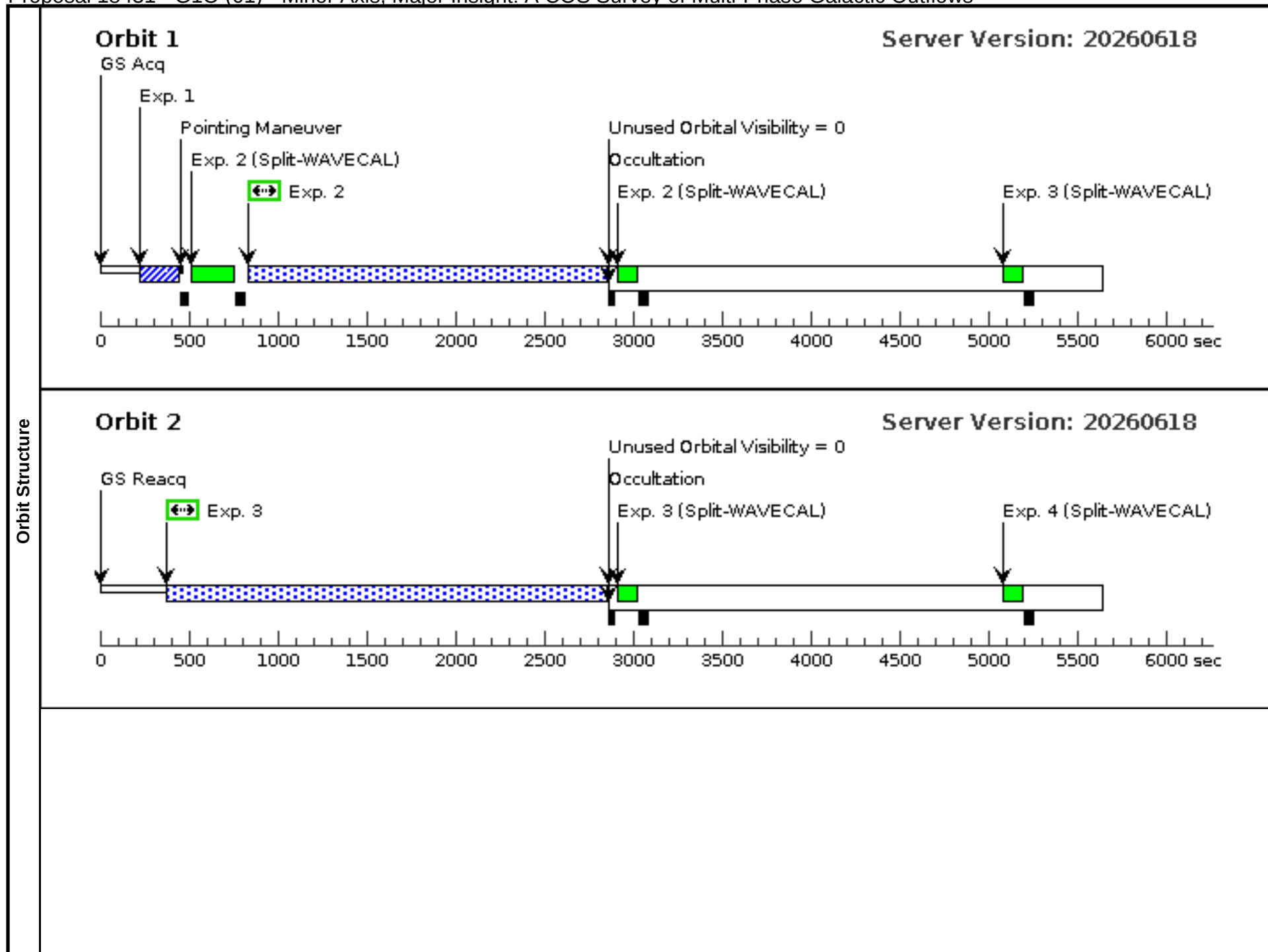
Our targets are observed using both A and B stripes of the G130 M. Five of our targets use the 1222 grating center. Two of our targets are optimal with the 1096 centering (G4O, G6O) and two are optimal for the 1291 center (G2O, G9O). For all gratings, we obtain exposures at all FP-POS setting. We move these in the forward direction in order to minimize overhead. For the 1291 center, we use only FP-POS=3,4 in order to avoid segment reconfiguration overhead. For all exposures, we adopt the recommended TIME-TAG photon counting with FLASH=yes, and adopt a

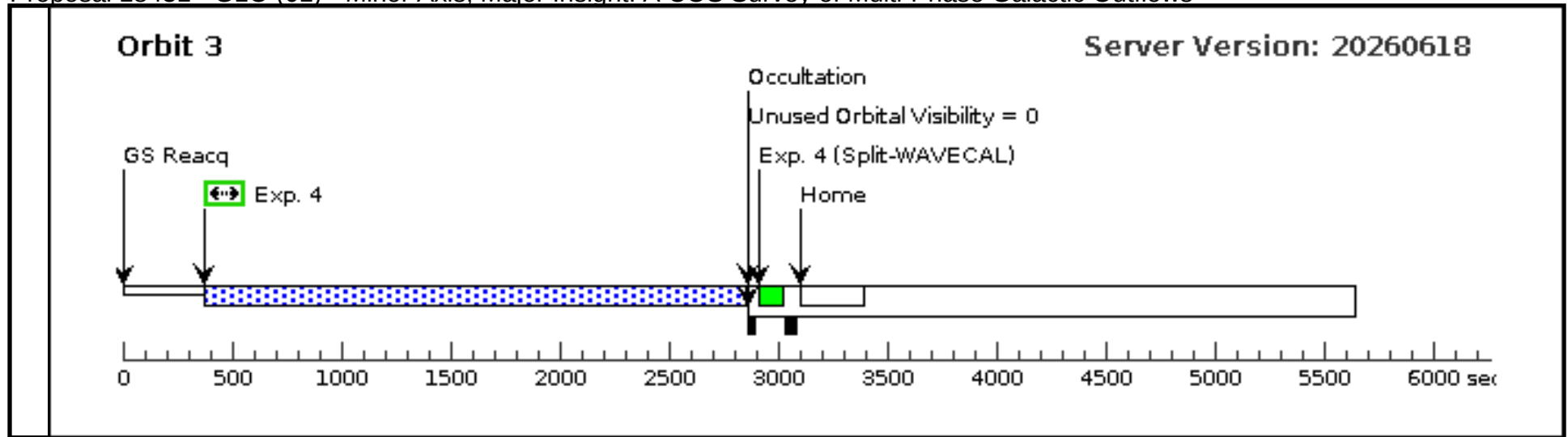
Proposal 18431 (STScI Edit Number: 0, Created: Thursday, August 27, 2026, 12:00:49PM Eastern Standard Time) - Overview
standard BUFFER-TIME=6000 seconds based on the count rates of our targets. All targets are exposed through the PSA aperture and guidance is set to FINE. For Phase I, exposure time estimates were obtained using the COS ETC for a point source with published GALEX FUV fluxes, and employed average Galactic extinction, standard zodiacal light normalizations, standard earth-shine light normalizations, and average air glow.

Six of the targets have greater than 4 orbits and may need to be split.

Proposal 18431 - G1O (01) - Minor Axis, Major Insight: A COS Survey of Multi-Phase Galactic Outflows

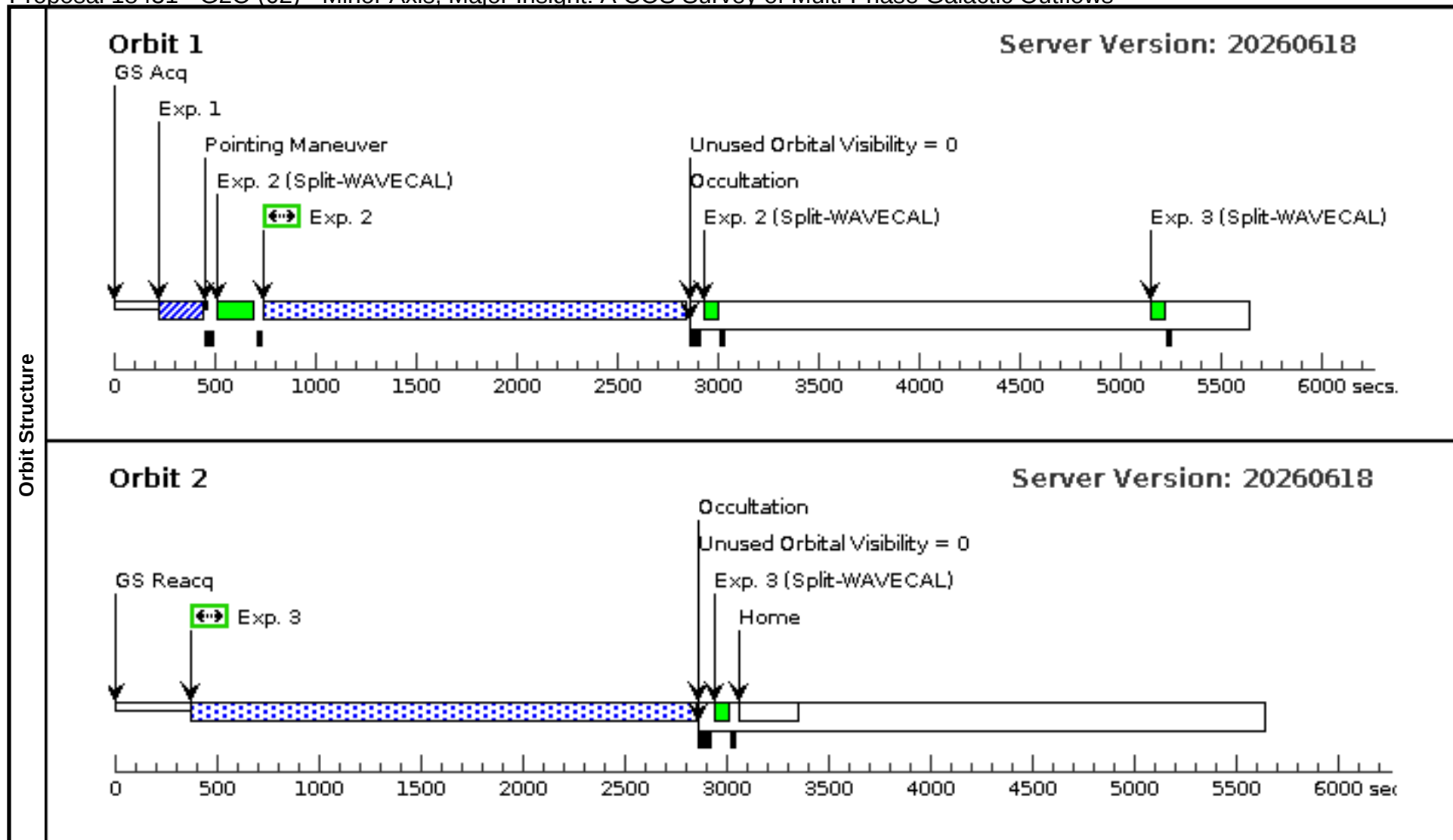
Visit	Proposal 18431, G1O (01), implementation										Thu Aug 27 17:00:49 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: COS/FUV, COS/NUV										
	Special Requirements: PCS MODE FINE; SCHED 100%										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes		Miscellaneous		
	(1)	G1O	RA: 22 40 13.4084 (340.0558683d)	Epoch of Position: 2000			V=17.7		Reference Frame: ICRS		
		Alt Name1: SDSSJ224013.41-083628.7	Dec: -08 36 28.75 (-8.60799d) Equinox: J2000	Redshift: 1.581			FUV(GALEX AB) = 19.27, NUV(GALEX AB) =18.30234				
		Alt Name2: VV2006-J224013.4-083628									
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.											
Category=GALAXY											
Description=[QUASAR]											
Extended=NO											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	G1O ACQ I (1) G1O MAGE (COS.ta.236 5985)	(1) G1O	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				2 Secs (2 Secs)		
									[==>]		[1]
	2	G1O 1222_1 (1) G1O (COS.sp.236 5988)	(1) G1O	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=1; BUFFER-TIME=13 449; LIFETIME-POS=L P7; SEGMENT=BOTH			1967 Secs (1967 Secs)		
									[==>]		[1]
	Comments: BFT=20,174 BT=2/3*BFT=13449										
	expected SNR in this exposure is SNR = 2.5779 (per resolution element) at wavelength 1310.00 A										
	3	G1O 1222_2 (1) G1O (COS.sp.236 5989)	(1) G1O	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=2; BUFFER-TIME=13 449; LIFETIME-POS=L P7; SEGMENT=BOTH			2427 Secs (2427 Secs)		
									[==>]		[2]
	Comments: BFT=20,174 BT=2/3*BFT=13449										
expected SNR in this exposure is SNR = 2.8635 (per resolution element) at wavelength 1310.00 A											
4	G1O 1222_3 (1) G1O (COS.sp.236 5989)	(1) G1O	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=4; LIFETIME-POS=L P7; BUFFER-TIME=13 449; SEGMENT=BOTH			2427 Secs (2427 Secs)			
								[==>]		[3]	
Comments: BFT=20,174 BT=2/3*BFT=13449											
expected SNR in this exposure is SNR = 2.8635 (per resolution element) at wavelength 1310.00 A											





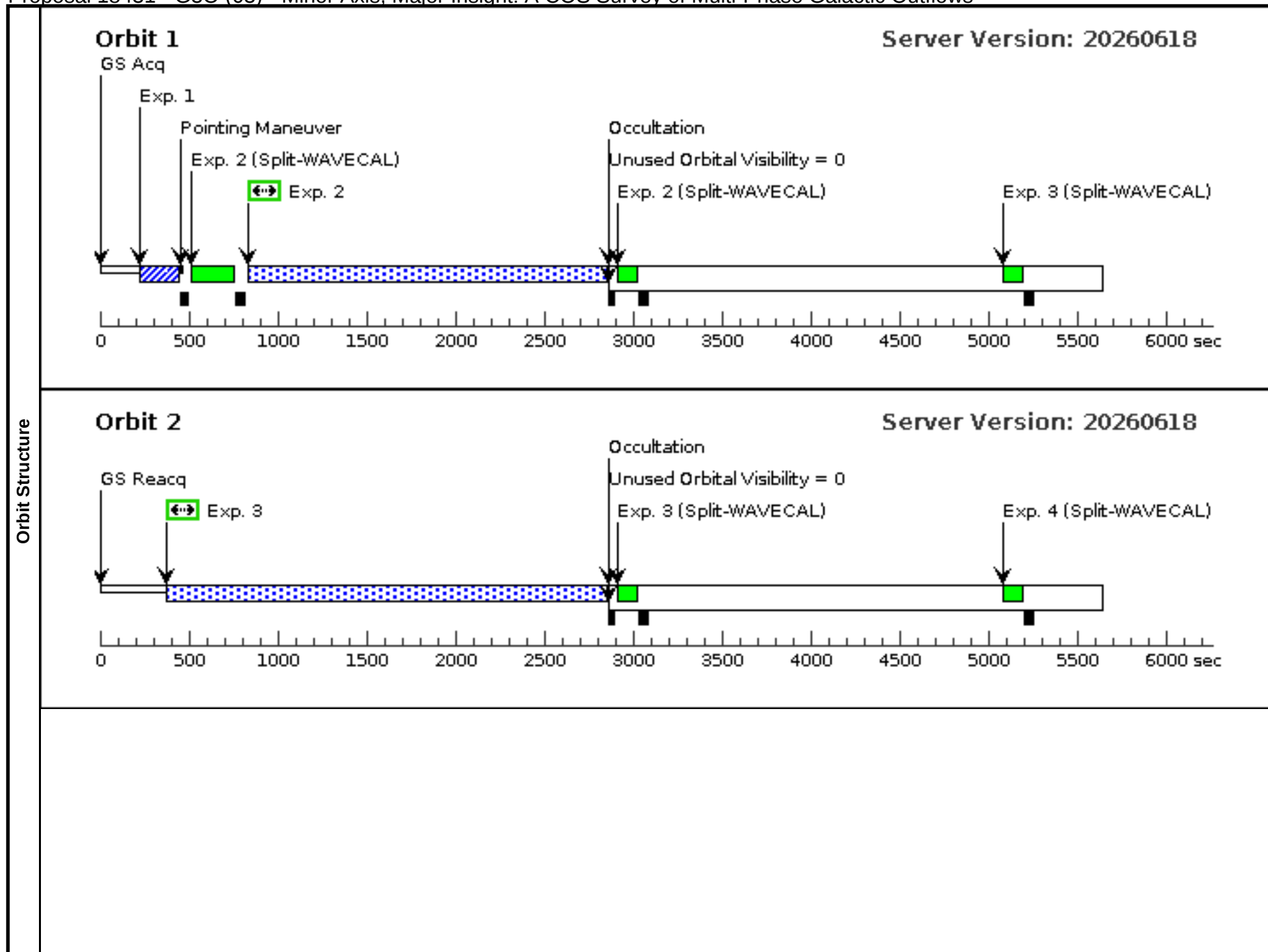
Proposal 18431 - G2O (02) - Minor Axis, Major Insight: A COS Survey of Multi-Phase Galactic Outflows

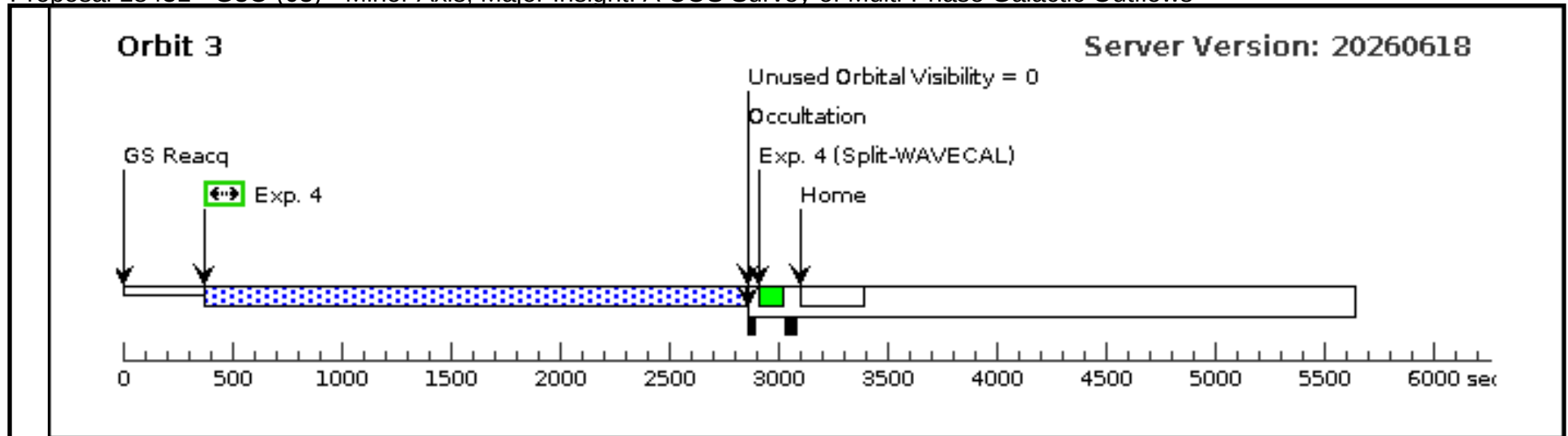
Visit	Proposal 18431, G2O (02), implementation									Thu Aug 27 17:00:49 GMT 2026	
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: COS/FUV, COS/NUV										
	Special Requirements: PCS MODE FINE; SCHED 100%										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(2)	G2O	RA: 14 32 16.7807 (218.0699196d)	Epoch of Position: 2000		V=17.44		Reference Frame: ICRS			
		Alt Name1: QSO-B1429+1008	Dec: +09 55 19.24 (9.92201d)	Redshift: 0.765		FUV(GALEX AB) = 18.44,					
		Alt Name2: SDSSJ143216.78+095519.2	Equinox: J2000			NUV(GALEX AB) =17.84695					
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.										
	Category=GALAXY										
	Description=[QUASAR]										
	Extended=NO										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	G2O ACQ I (2) G2O MAGE (COS.ta.236 5990)	(2) G2O	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				2 Secs (2 Secs)		
									[==>]	[1]	
	2	G2O 1291_1 (2) G2O (COS.sp.236 5992)	(2) G2O	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=3; BUFFER-TIME=51 63; LIFETIME-POS=L P7; SEGMENT=BOTH			2053 Secs (2053 Secs)		
									[==>]	[1]	
		Comments: BFT=7,745 BT=2/3*BFT=5163 expected SNR in this exposure is SNR = 4.0607 (per resolution element) at wavelength 1310.00 A									
	3	G2O 1291_2 (2) G2O (COS.sp.236 5993)	(2) G2O	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=4; BUFFER-TIME=51 63; LIFETIME-POS=L P7; SEGMENT=BOTH			2427 Secs (2427 Secs)		
								[==>]	[2]		
	Comments: BFT=7,745 BT=2/3*BFT=5163 expected SNR in this exposure is SNR = 4.5478 (per resolution element) at wavelength 1310.00 A										



Proposal 18431 - G3O (03) - Minor Axis, Major Insight: A COS Survey of Multi-Phase Galactic Outflows

Visit	Proposal 18431, G3O (03), implementation								Thu Aug 27 17:00:49 GMT 2026	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: COS/FUV, COS/NUV									
	Special Requirements: PCS MODE FINE; SCHED 100%									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	G3O	RA: 15 49 56.8739 (237.4869746d)	Epoch of Position: 2000	V=17.36	Reference Frame: ICRS				
		Alt Name1: VV98-J154956.9+070045	Dec: +07 00 44.89 (7.01247d)	Redshift: 0.798	FUV(GALEX AB) = 18.62 NU					
		Alt Name2: SDSSJ154956.87+070044.9	Equinox: J2000		V(GALEX AB) =17.70879					
	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=[QUASAR]										
Extended=NO										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	G3O ACQ I MAGE (COS.ta.236 5994)	(3) G3O	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				2 Secs (2 Secs)	
									[==>]	[1]
	2	G3O 1222_1 (COS.sp.236 5997)	(3) G3O	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=1; BUFFER-TIME=11 892; LIFETIME-POS=L P7; SEGMENT=BOTH			1967 Secs (1967 Secs)	
									[==>]	[1]
	Comments: BFT=17,838 BT=2/3*BFT=5288 expected SNR in this exposure is SNR = 3.5823 (per resolution element) at wavelength 1310.00 A									
	3	G3O 1222_2 (COS.sp.236 5998)	(3) G3O	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=2; BUFFER-TIME=11 892; LIFETIME-POS=L P7; SEGMENT=BOTH			2427 Secs (2427 Secs)	
									[==>]	[2]
	Comments: BFT=17,838 BT=2/3*BFT=11892 expected SNR in this exposure is SNR = 3.9792 (per resolution element) at wavelength 1310.00 A									
	4	G3O 1222_3 (COS.sp.236 5998)	(3) G3O	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=4; LIFETIME-POS=L P7; BUFFER-TIME=11 892; SEGMENT=BOTH			2427 Secs (2427 Secs)	
								[==>]	[3]	
Comments: BFT=17,838 BT=2/3*BFT=11892 expected SNR in this exposure is SNR = 3.9792 (per resolution element) at wavelength 1310.00 A										





Proposal 18431 - G4O visit1 (04) - Minor Axis, Major Insight: A COS Survey of Multi-Phase Galactic Outflows

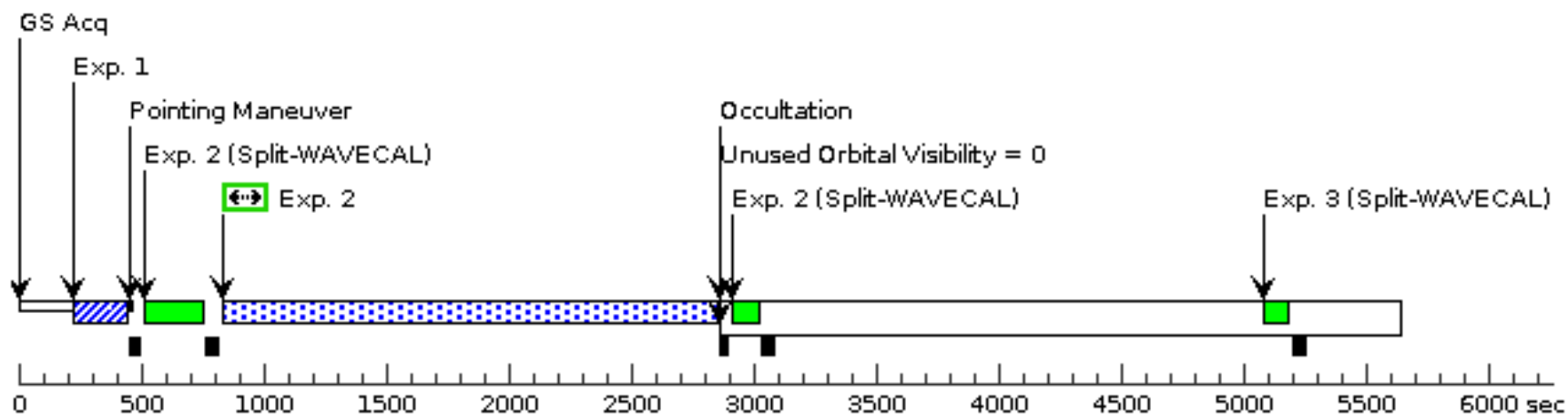
Visit	Proposal 18431, G4O_visit1 (04), implementation					Thu Aug 27 17:00:49 GMT 2026
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(4)	G4O	RA: 09 56 6.2681 (149.0261171d)	Epoch of Position: 2000	V=18.38	Reference Frame: ICRS
		Alt Name1: 2MASS-J09560622+1238016	Dec: +12 38 2.51 (12.63403d)	Redshift: 0.763	FUV(GALEX AB) = 19.47 NU	
		Alt Name2: SDSSJ095606.26+123802.5	Equinox: J2000		V(GALEX AB) =18.658	
	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=[QUASAR] Extended=NO					

Proposal 18431 - G4O visit1 (04) - Minor Axis, Major Insight: A COS Survey of Multi-Phase Galactic Outflows

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	G4O ACQ I MAGE (COS.ta.236 6000)	(4) G4O	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				3 Secs (3 Secs) [==>]	[1]
	2	G4O 1222_1 (COS.sp.236 6063)	(4) G4O	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=1; BUFFER-TIME=13 682; LIFETIME-POS=L P7; SEGMENT=BOTH			1965 Secs (1965 Secs) [==>]	[1]
	Comments: BFT=20,523 BT=2/3*BFT=13682 expected SNR in this exposure is SNR = 2.3915 (per resolution element) at wavelength 1310.00 A Changed from 1096 to 1222 since the absorbing galaxy redshift is at z=0.126 and absorption below 1100A will be not detected. Science unchanged and now even more optimised.									
	3	G4O 1222_2 (COS.sp.236 6064)	(4) G4O	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=1; BUFFER-TIME=13 682; LIFETIME-POS=L P7; SEGMENT=BOTH			2427 Secs (2427 Secs) [==>]	[2]
Comments: BFT=20,523 BT=2/3*BFT=13682 expected SNR in this exposure is SNR = 2.6728 (per resolution element) at wavelength 1310.00 A Changed from 1096 to 1222 since the absorbing galaxy redshift is at z=0.126 and absorption below 1100A will be not detected. Science unchanged and now even more optimised.										
	4	G4O 1222_3 (COS.sp.236 6064)	(4) G4O	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=2; BUFFER-TIME=13 682; LIFETIME-POS=L P7; SEGMENT=BOTH			2427 Secs (2427 Secs) [==>]	[3]
	Comments: BFT=20,523 BT=2/3*BFT=13682 expected SNR in this exposure is SNR = 2.6728 (per resolution element) at wavelength 1310.00 A Changed from 1096 to 1222 since the absorbing galaxy redshift is at z=0.126 and absorption below 1100A will be not detected. Science unchanged and now even more optimised.									
	5	G4O 1222_4 (COS.sp.236 6064)	(4) G4O	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=3; BUFFER-TIME=13 682; LIFETIME-POS=L P7; SEGMENT=BOTH			2427 Secs (2427 Secs) [==>]	[4]
	Comments: BFT=20,523 BT=2/3*BFT=13682 expected SNR in this exposure is SNR = 2.6728 (per resolution element) at wavelength 1310.00 A Changed from 1096 to 1222 since the absorbing galaxy redshift is at z=0.126 and absorption below 1100A will be not detected. Science unchanged and now even more optimised.									
	Comments: BFT=20,523 BT=2/3*BFT=13682 expected SNR in this exposure is SNR = 2.6728 (per resolution element) at wavelength 1310.00 A Changed from 1096 to 1222 since the absorbing galaxy redshift is at z=0.126 and absorption below 1100A will be not detected. Science unchanged and now even more optimised.									

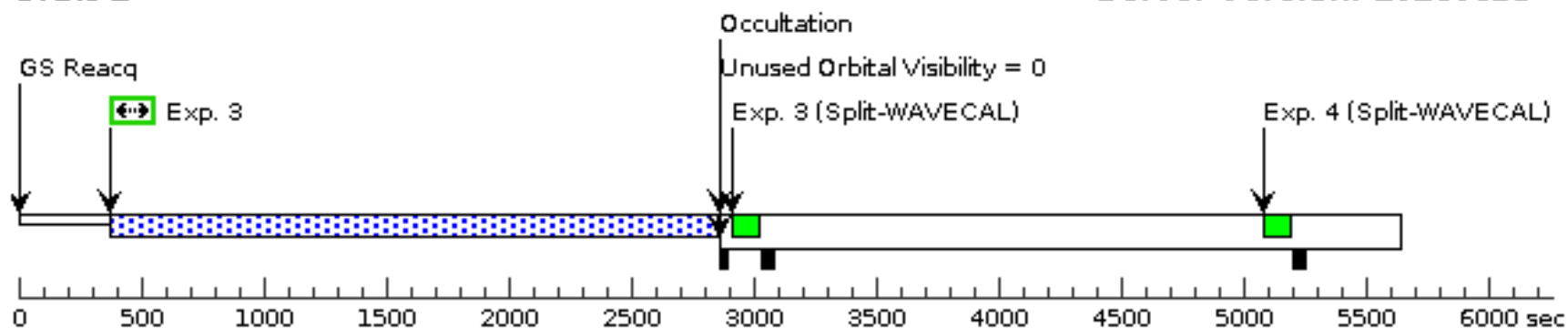
Orbit 1

Server Version: 20260618



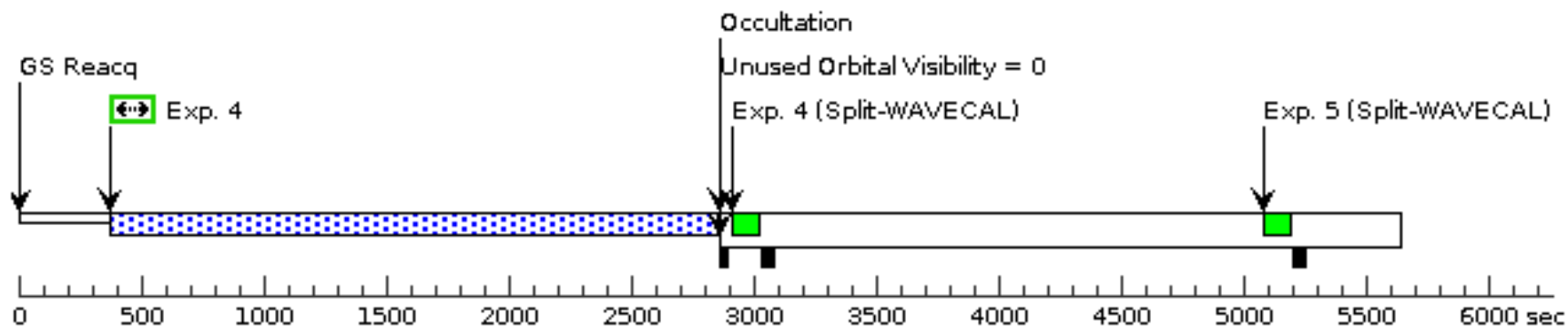
Orbit 2

Server Version: 20260618



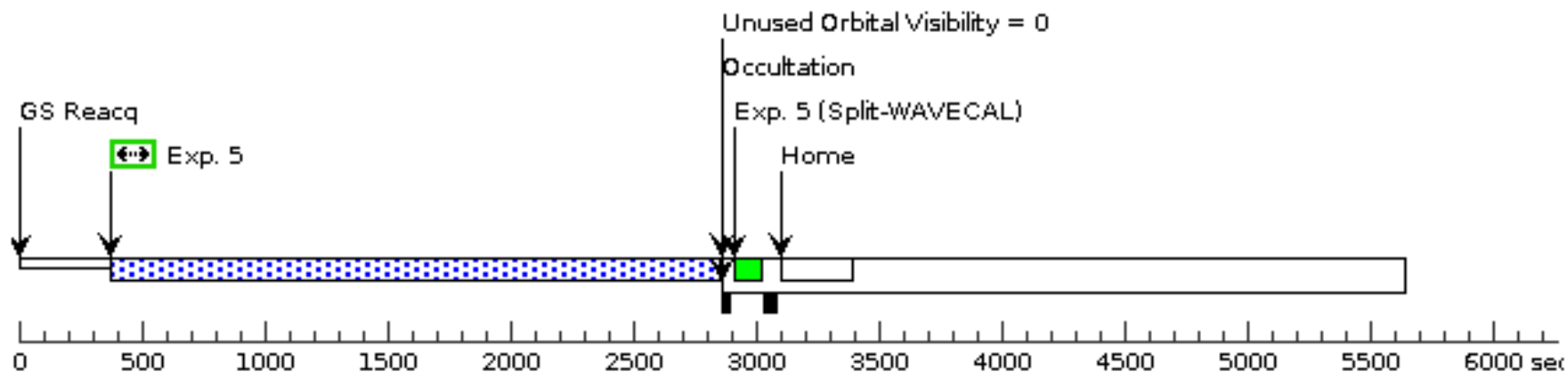
Orbit 3

Server Version: 20260618



Orbit 4

Server Version: 20260618

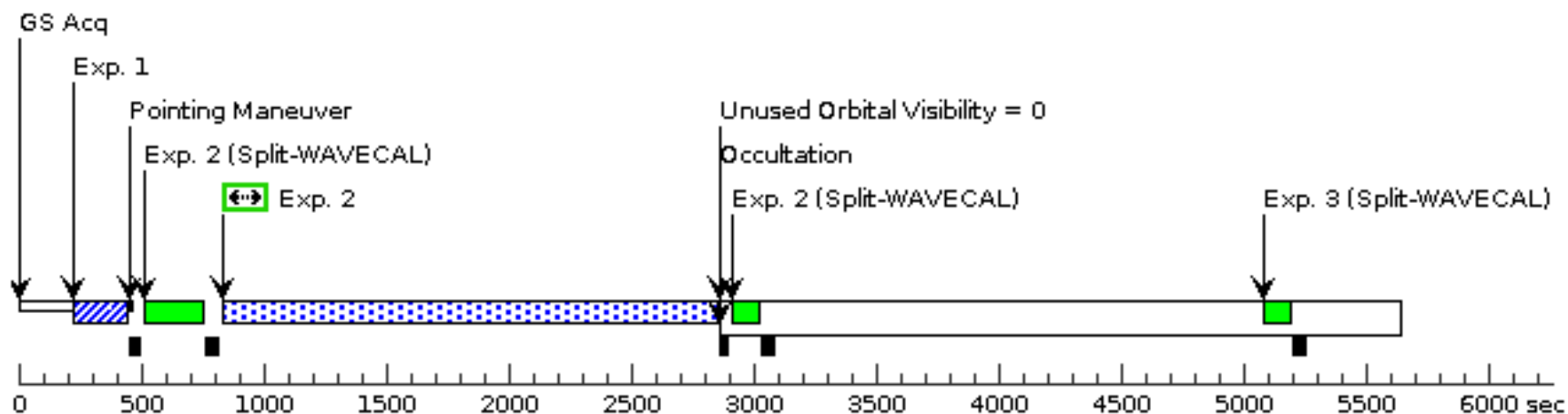


Proposal 18431 - G4O visit2 (10) - Minor Axis, Major Insight: A COS Survey of Multi-Phase Galactic Outflows

Visit	Proposal 18431, G4O_visit2 (10)										Thu Aug 27 17:00:49 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: COS/FUV, COS/NUV										
	Special Requirements: SCHED 100%										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
	(4)	G4O	RA: 09 56 6.2681 (149.0261171d)	Epoch of Position: 2000	V=18.38	Reference Frame: ICRS					
		Alt Name1: 2MASS-J09560622+1238016	Dec: +12 38 2.51 (12.63403d)	Redshift: 0.763	FUV(GALEX AB) = 19.47 NU						
		Alt Name2: SDSSJ095606.26+123802.5	Equinox: J2000		V(GALEX AB) =18.658						
	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=[QUASAR]										
	Extended=NO										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	G4O ACQ I (4) G4O MAGE (COS.ta.236 6000)	(4) G4O	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				3 Secs (3 Secs)		
									[==>]	[1]	
	2	G4O 1222_5 (4) G4O (COS.sp.236 6063)	(4) G4O	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=3; BUFFER-TIME=13 682; LIFETIME-POS=L P7; SEGMENT=BOTH			1965 Secs (1965 Secs)		
									[==>]	[1]	
		Comments: BFT=20,523 BT=2/3*BFT=13682 expected SNR in this exposure is SNR = 2.3915 (per resolution element) at wavelength 1310.00 A									
		Changed from 1096 to 1222 since the absorbing galaxy redshift is at z=0.126 and absorption below 1100A will be not detected. Science unchanged and now even more optimised.									
	3	G4O 1222_6 (4) G4O (COS.sp.236 6064)	(4) G4O	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=4; BUFFER-TIME=13 682; LIFETIME-POS=L P7; SEGMENT=BOTH			2427 Secs (2427 Secs)		
									[==>]	[2]	
		Comments: BFT=20,523 BT=2/3*BFT=13682 expected SNR in this exposure is SNR = 2.6728 (per resolution element) at wavelength 1310.00 A									
	Changed from 1096 to 1222 since the absorbing galaxy redshift is at z=0.126 and absorption below 1100A will be not detected. Science unchanged and now even more optimised.										
4	G4O 1222_7 (4) G4O (COS.sp.236 6064)	(4) G4O	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=4; BUFFER-TIME=13 682; LIFETIME-POS=L P7; SEGMENT=BOTH			2427 Secs (2427 Secs)			
								[==>]	[3]		
	Comments: BFT=20,523 BT=2/3*BFT=13682 expected SNR in this exposure is SNR = 2.6728 (per resolution element) at wavelength 1310.00 A										
	Changed from 1096 to 1222 since the absorbing galaxy redshift is at z=0.126 and absorption below 1100A will be not detected. Science unchanged and now even more optimised.										

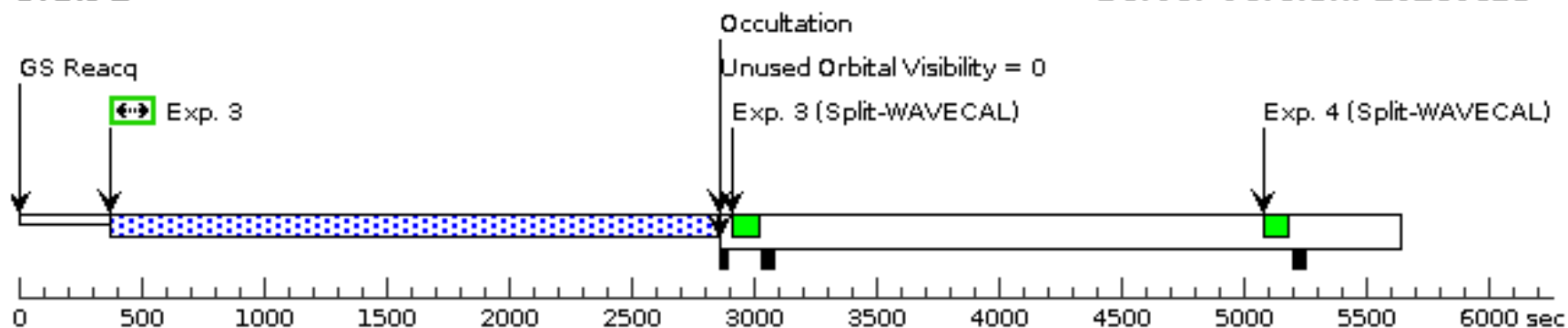
Orbit 1

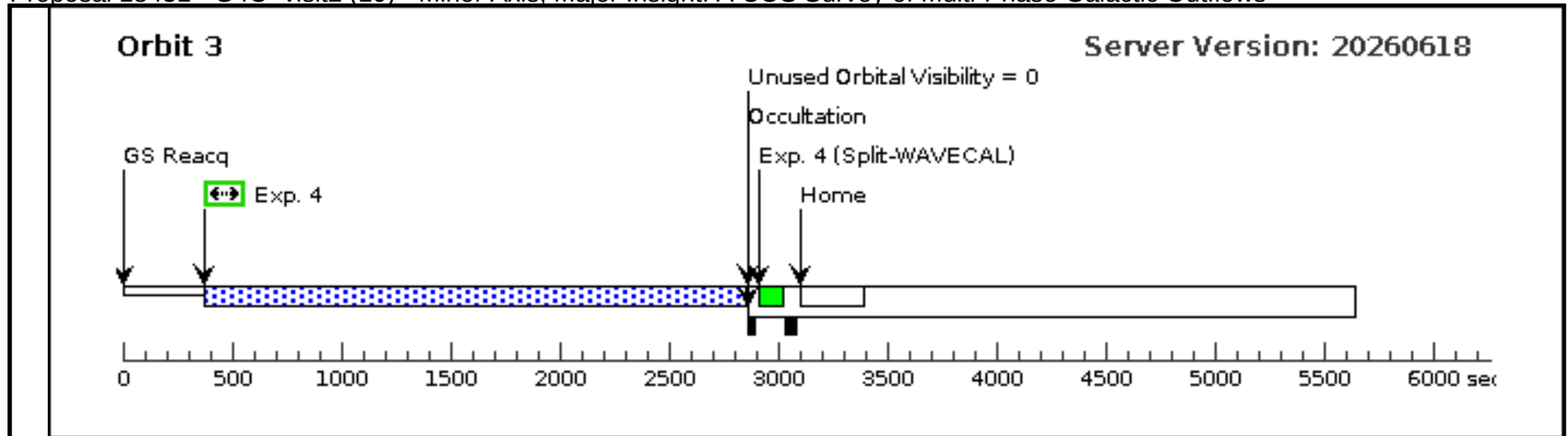
Server Version: 20260618



Orbit 2

Server Version: 20260618



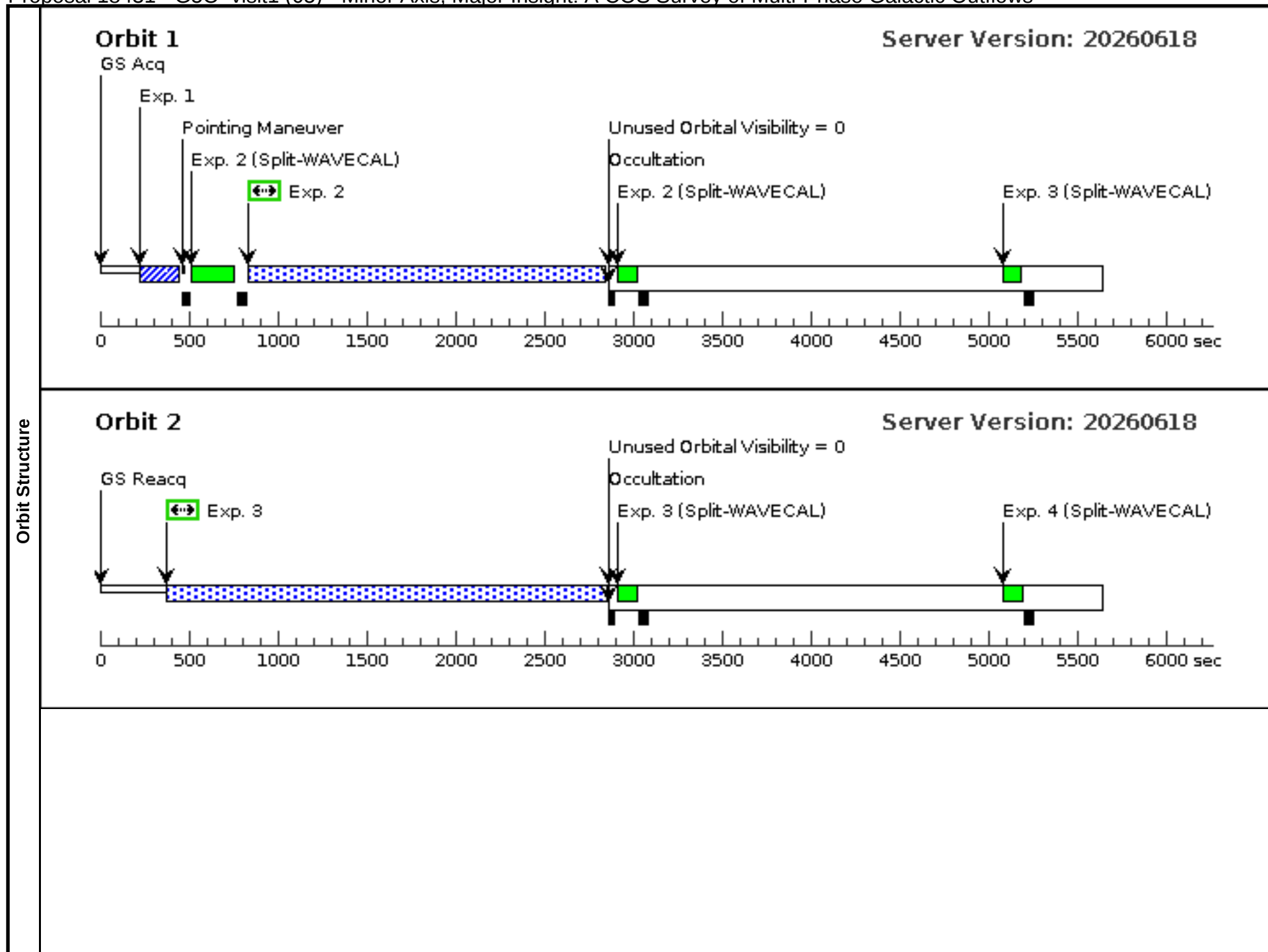


Proposal 18431 - G5O visit1 (05) - Minor Axis, Major Insight: A COS Survey of Multi-Phase Galactic Outflows

Visit	Proposal 18431, G5O_visit1 (05), implementation Thu Aug 27 17:00:50 GMT 2026				
	Diagnostic Status: No Diagnostics Scientific Instruments: COS/FUV, COS/NUV Special Requirements: PCS MODE FINE; SCHED 100%				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(5)	G5O Alt Name1: VV2006-J122934.7+100710 Alt Name2: SDSSJ122934.66+100709.9 <i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> <i>Category=GALAXY</i> <i>Description=[QUASAR]</i> <i>Extended=NO</i>	RA: 12 29 34.6657 (187.3944404d) Dec: +10 07 9.98 (10.11944d) Equinox: J2000	Epoch of Position: 2000 Redshift: 0.746	V=18.36 Reference Frame: ICRS FUV(GALEX AB) = 19.49 NU V(GALEX AB) =18.79101

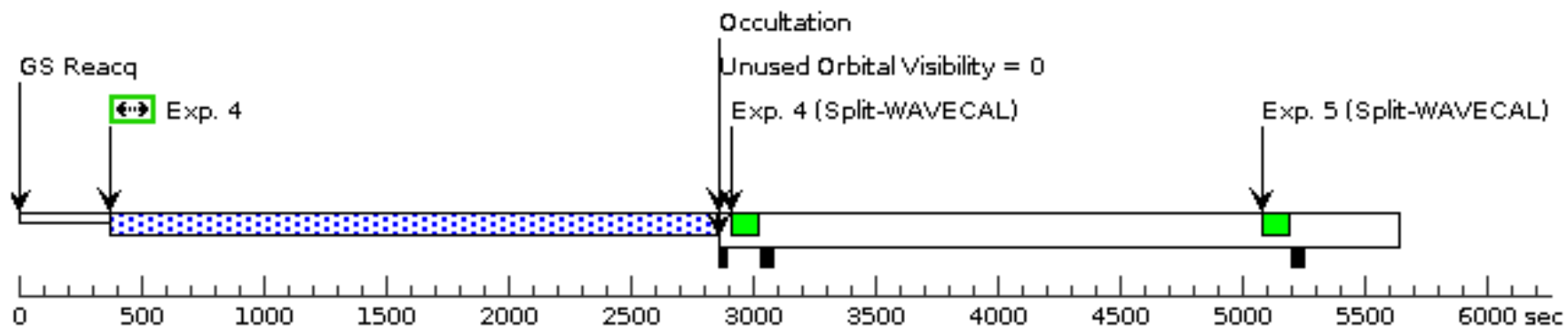
Proposal 18431 - G5O visit1 (05) - Minor Axis, Major Insight: A COS Survey of Multi-Phase Galactic Outflows

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	G5O ACQ I MAGE (COS.ta.236 6006)	(5) G5O	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				4 Secs (4 Secs) [==>]	[1]
	2	G5O 1222_1 (COS.sp.236 6007)	(5) G5O	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=1; BUFFER-TIME=13 675; LIFETIME-POS=L P7; SEGMENT=BOTH			1963 Secs (1963 Secs) [==>]	[1]
	Comments: BFT=20,512 BT=2/3*BFT=13675 expected SNR in this exposure is SNR = 2.2650 (per resolution element) at wavelength 1310.00 A									
	3	G5O 1222_2 (COS.sp.236 6011)	(5) G5O	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=1; BUFFER-TIME=13 675; LIFETIME-POS=L P7; SEGMENT=BOTH			2427 Secs (2427 Secs) [==>]	[2]
	Comments: BFT=20,512 BT=2/3*BFT=13675 expected SNR in this exposure is SNR = 2.5185 (per resolution element) at wavelength 1310.00 A									
	4	G5O 1222_3 (COS.sp.236 6011)	(5) G5O	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=2; BUFFER-TIME=13 675; LIFETIME-POS=L P7; SEGMENT=BOTH			2427 Secs (2427 Secs) [==>]	[3]
	Comments: BFT=20,512 BT=2/3*BFT=13675 expected SNR in this exposure is SNR = 2.5185 (per resolution element) at wavelength 1310.00 A									
	5	G5O 1222_4 (COS.sp.236 6011)	(5) G5O	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=3; BUFFER-TIME=13 675; LIFETIME-POS=L P7; SEGMENT=BOTH			2427 Secs (2427 Secs) [==>]	[4]
	Comments: BFT=20,512 BT=2/3*BFT=13675 expected SNR in this exposure is SNR = 2.5185 (per resolution element) at wavelength 1310.00 A									



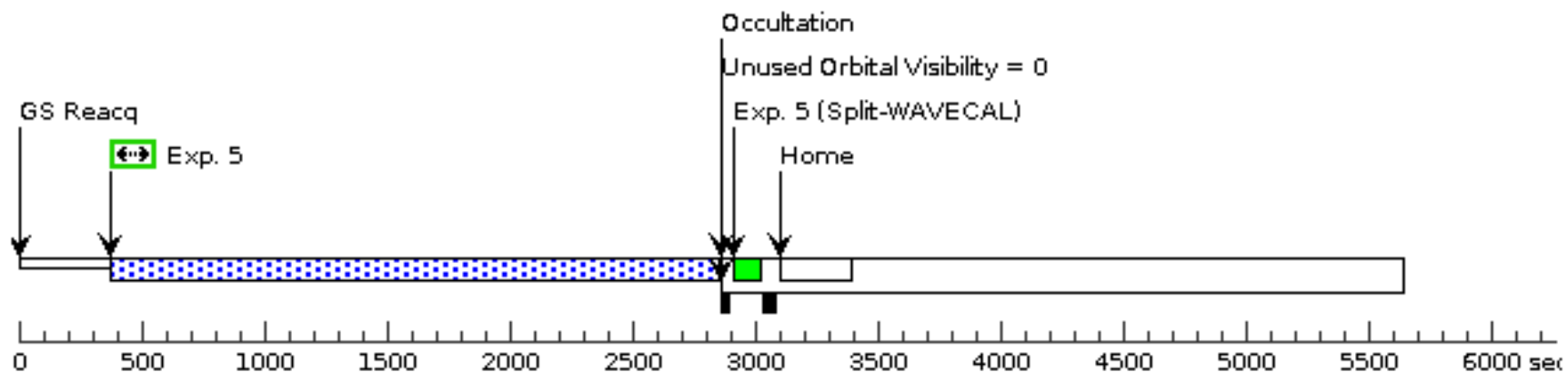
Orbit 3

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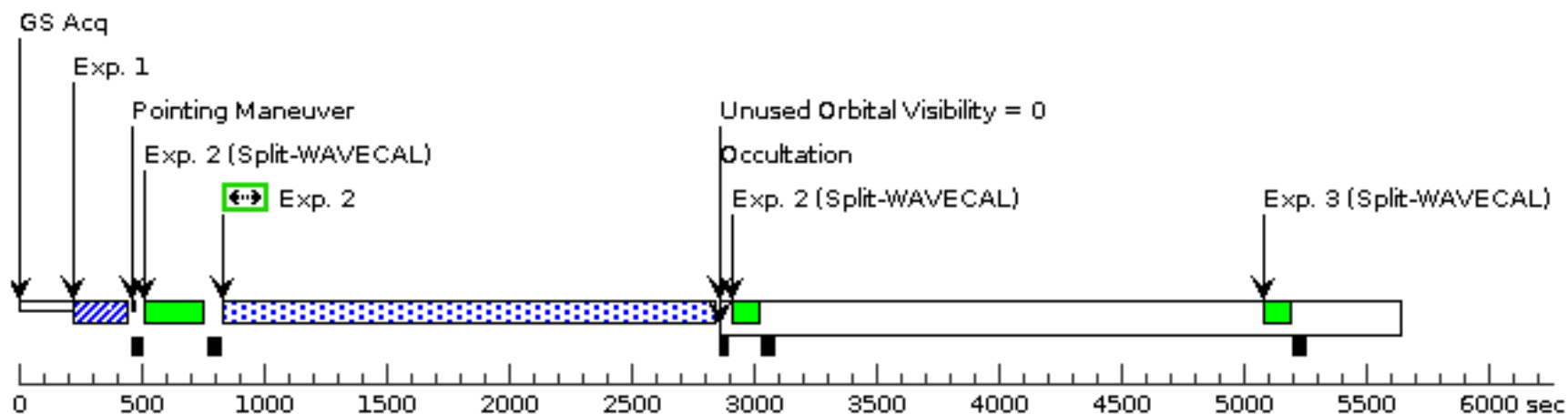


Proposal 18431 - G5O visit2 (11) - Minor Axis, Major Insight: A COS Survey of Multi-Phase Galactic Outflows

Visit	Proposal 18431, G5O_visit2 (11)										Thu Aug 27 17:00:50 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: COS/FUV, COS/NUV										
	Special Requirements: PCS MODE FINE; SCHED 100%										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
	(5)	G5O	RA: 12 29 34.6657 (187.3944404d)	Epoch of Position: 2000	V=18.36	Reference Frame: ICRS					
		Alt Name1: VV2006-J122934.7+100710	Dec: +10 07 9.98 (10.11944d)	Redshift: 0.746	FUV(GALEX AB) = 19.49 NU						
		Alt Name2: SDSSJ122934.66+100709.9	Equinox: J2000		V(GALEX AB) =18.79101						
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.											
Category=GALAXY											
Description=[QUASAR]											
Extended=NO											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	G5O ACQ I (5) G5O MAGE (COS.ta.236 6006)	(5) G5O	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				4 Secs (4 Secs)		
									[==>]	[1]	
	2	G5O 1222_5 (5) G5O (COS.sp.236 6007)	(5) G5O	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=3; BUFFER-TIME=13 675; LIFETIME-POS=L P7; SEGMENT=BOTH			1963 Secs (1963 Secs)		
									[==>]	[1]	
	Comments: BFT=20,512 BT=2/3*BFT=13675										
	expected SNR in this exposure is SNR = 2.2650 (per resolution element) at wavelength 1310.00 A										
	3	G5O 1222_6 (5) G5O (COS.sp.236 6011)	(5) G5O	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=4; BUFFER-TIME=13 675; LIFETIME-POS=L P7; SEGMENT=BOTH			2427 Secs (2427 Secs)		
									[==>]	[2]	
	Comments: BFT=20,512 BT=2/3*BFT=13675										
expected SNR in this exposure is SNR = 2.5185 (per resolution element) at wavelength 1310.00 A											
4	G5O 1222_7 (5) G5O (COS.sp.236 6011)	(5) G5O	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=4; BUFFER-TIME=13 675; LIFETIME-POS=L P7; SEGMENT=BOTH			2427 Secs (2427 Secs)			
								[==>]	[3]		
Comments: BFT=20,512 BT=2/3*BFT=13675											
expected SNR in this exposure is SNR = 2.5185 (per resolution element) at wavelength 1310.00 A											

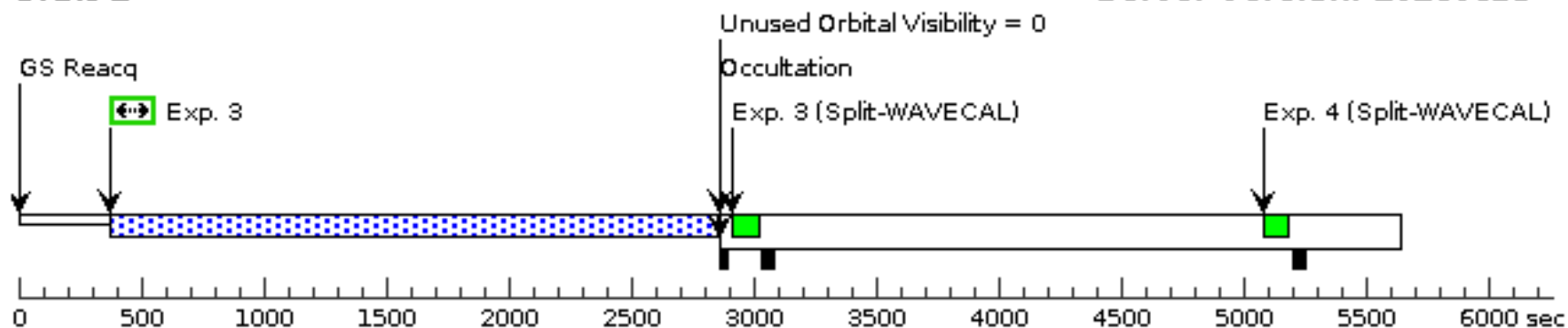
Orbit 1

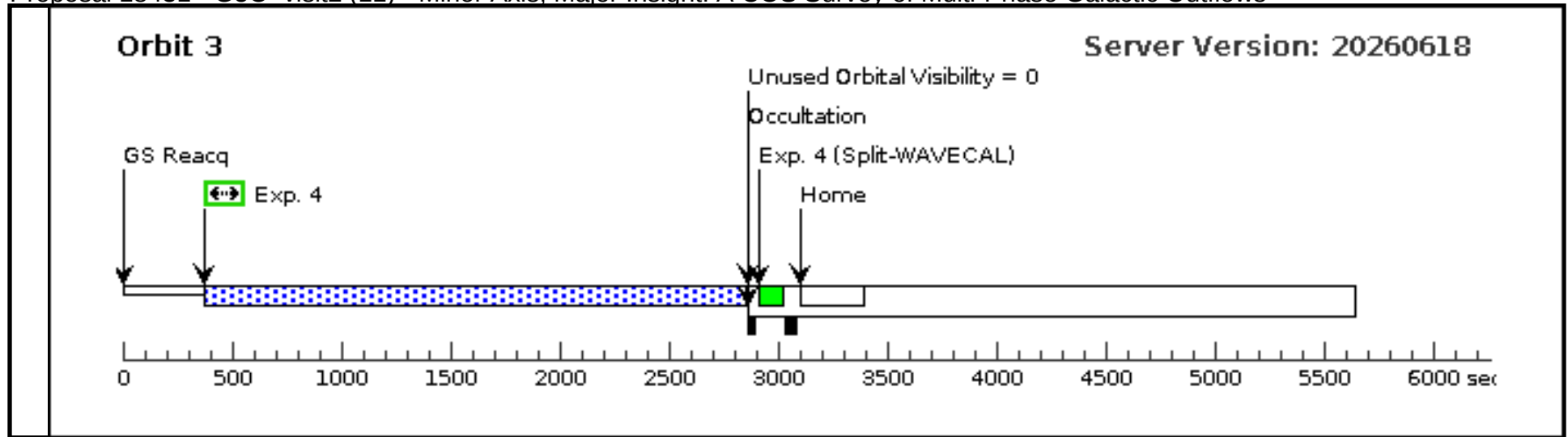
Server Version: 20260618



Orbit 2

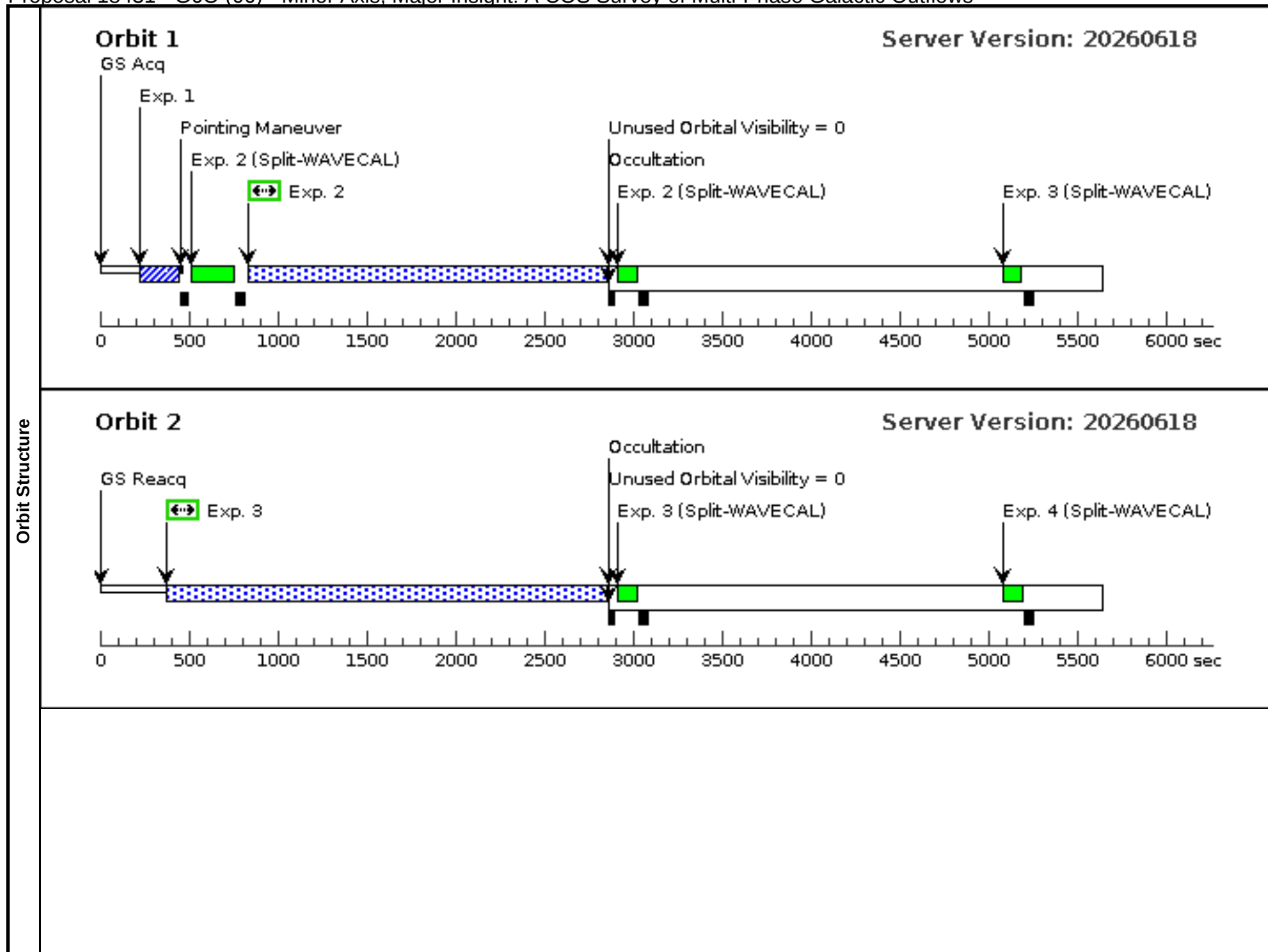
Server Version: 20260618

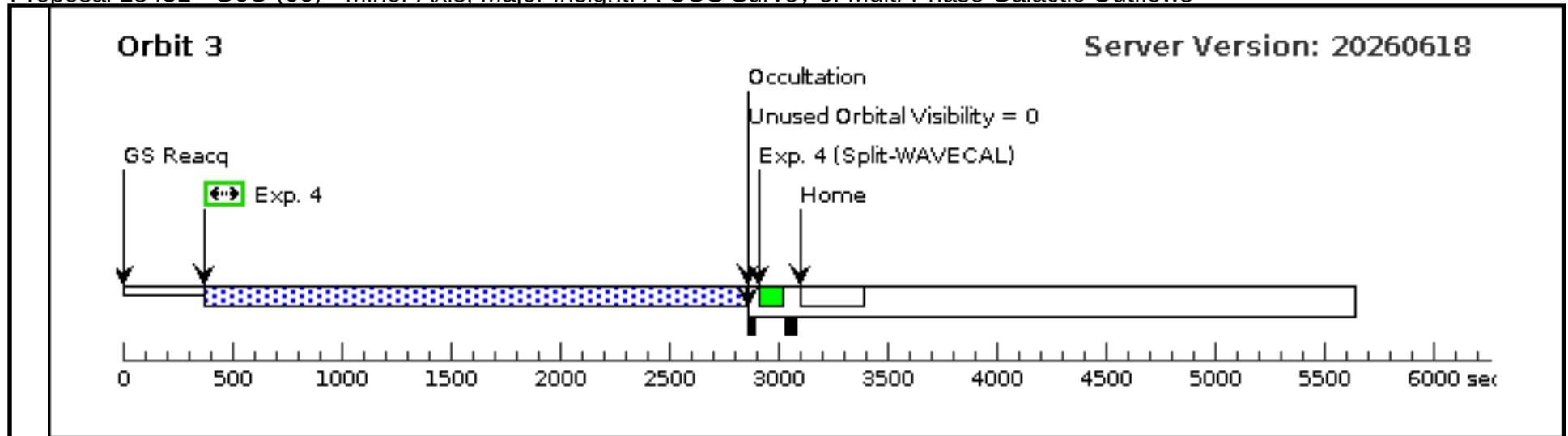




Proposal 18431 - G6O (06) - Minor Axis, Major Insight: A COS Survey of Multi-Phase Galactic Outflows

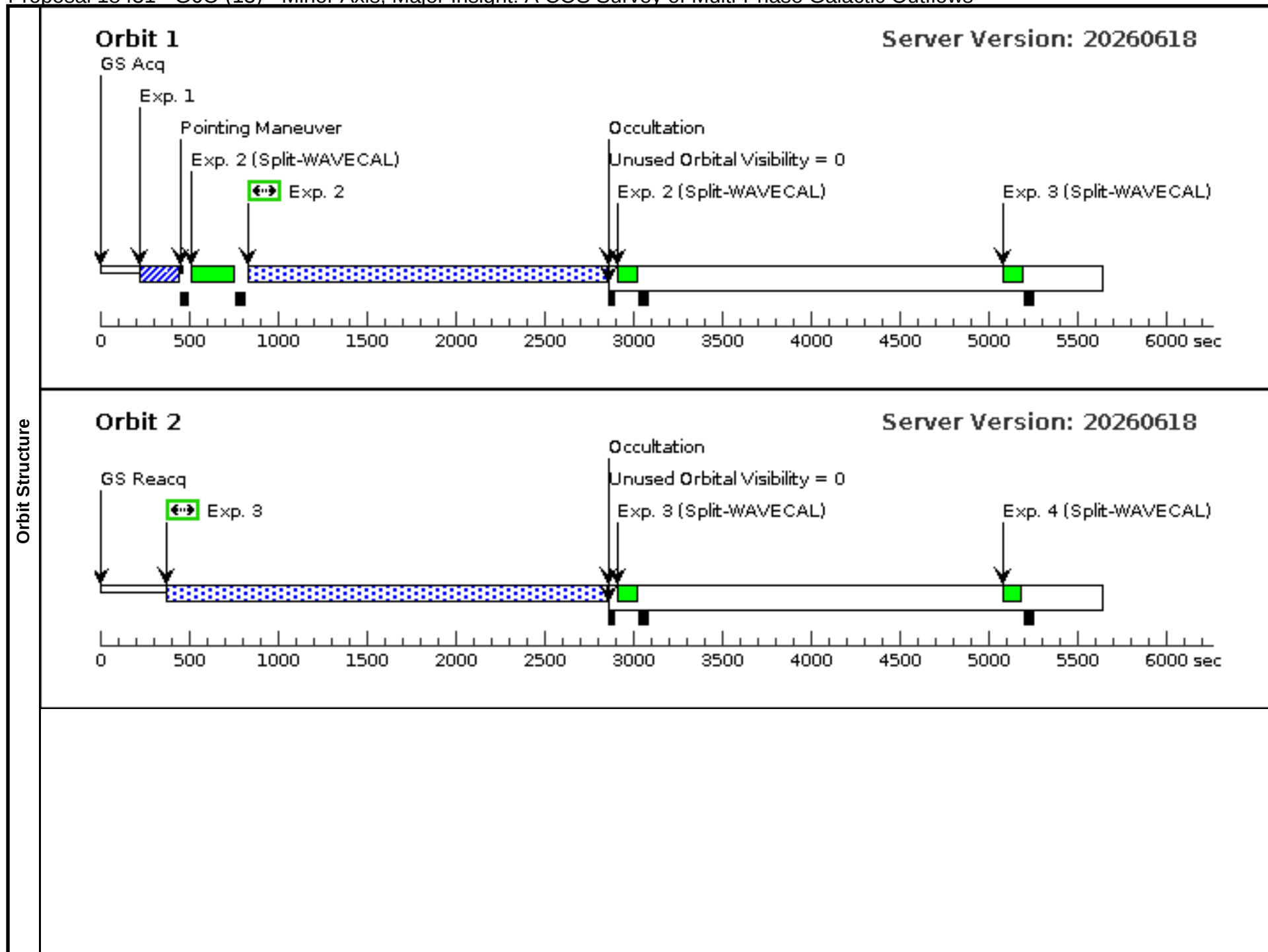
Visit	Proposal 18431, G6O (06), implementation									Thu Aug 27 17:00:50 GMT 2026
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: COS/FUV, COS/NUV									
	Special Requirements: SCHED 100%									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(6)	G6O	RA: 22 33 59.9314 (338.4997142d)	Epoch of Position: 2000	V=17.76	Reference Frame: ICRS				
		Alt Name1: LBQS-2231-0048	Dec: -00 33 15.80 (-.55439d)	Redshift: 1.210	FUV(GALEX AB) = 19.34 NU					
		Alt Name2: SDSSJ223359.93-003315.8	Equinox: J2000		V(GALEX AB) =18.21192					
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.										
Category=GALAXY										
Description=[QUASAR]										
Extended=NO										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	G6O ACQ I (6) G6O MAGE (COS.ta.236 6014)	G6O	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				2 Secs (2 Secs)	
									[==>]	[1]
	2	G6O 1222_1 (6) G6O (COS.sp.236 6065)	G6O	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=1; BUFFER-TIME=13 490; LIFETIME-POS=L P7; SEGMENT=BOTH			1967 Secs (1967 Secs)	
									[==>]	[1]
	Comments: BFT=20,235 BT=2/3*BFT=13490									
	expected SNR in this exposure is SNR = 2.5807 (per resolution element) at wavelength 1310.00 A									
	Changed from 1096 to 1222 since the absorbing galaxy redshift is at z=0.1162 and absorption below 1100A will be not detected. Science unchanged and now even more optimised.									
	3	G6O 1222_2 (6) G6O (COS.sp.236 6066)	G6O	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=1; BUFFER-TIME=13 490; LIFETIME-POS=L P7; SEGMENT=BOTH			2427 Secs (2427 Secs)	
									[==>]	[2]
Comments: BFT=20,235 BT=2/3*BFT=13490										
expected SNR in this exposure is SNR = 2.8666 (per resolution element) at wavelength 1310.00 A										
Changed from 1096 to 1222 since the absorbing galaxy redshift is at z=0.1162 and absorption below 1100A will be not detected. Science unchanged and now even more optimised.										
4	G6O 1222_3 (6) G6O (COS.sp.236 6066)	G6O	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=2; BUFFER-TIME=13 490; LIFETIME-POS=L P7; SEGMENT=BOTH			2427 Secs (2427 Secs)		
								[==>]	[3]	
Comments: BFT=20,235 BT=2/3*BFT=13490										
expected SNR in this exposure is SNR = 2.8666 (per resolution element) at wavelength 1310.00 A										
Changed from 1096 to 1222 since the absorbing galaxy redshift is at z=0.1162 and absorption below 1100A will be not detected. Science unchanged and now even more optimised.										

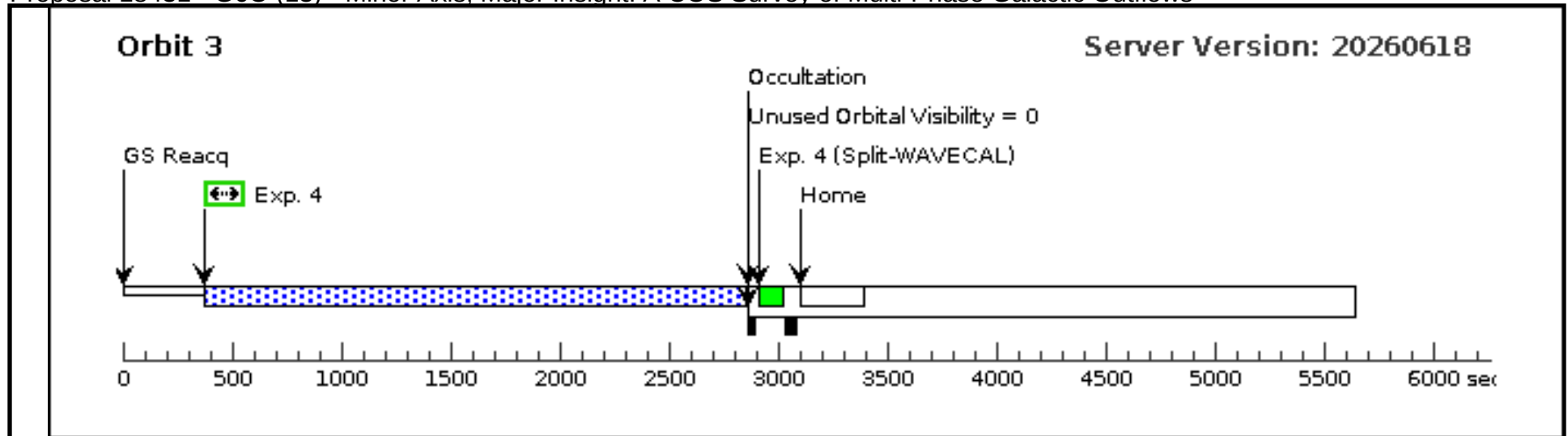




Proposal 18431 - G6O (13) - Minor Axis, Major Insight: A COS Survey of Multi-Phase Galactic Outflows

Visit	Proposal 18431, G6O (13) Diagnostic Status: No Diagnostics Scientific Instruments: COS/FUV, COS/NUV Special Requirements: SCHED 100% Thu Aug 27 17:00:50 GMT 2026									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(6)	G6O Alt Name1: LBQS-2231-0048 Alt Name2: SDSSJ223359.93-003315.8 <i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> <i>Category=GALAXY</i> <i>Description=[QUASAR]</i> <i>Extended=NO</i>	RA: 22 33 59.9314 (338.4997142d) Dec: -00 33 15.80 (-.55439d) Equinox: J2000	Epoch of Position: 2000 Redshift: 1.210	V=17.76 FUV(GALEX AB) = 19.34 NU V(GALEX AB) =18.21192	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	G6O ACQ I (6) G6O MAGE (COS.ta.236 6014)	G6O	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				2 Secs (2 Secs) [==>]	[1]
	2	G6O 1222_4 (6) G6O (COS.sp.236 6065)	G6O	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=3; BUFFER-TIME=13 490; LIFETIME-POS=L P7; SEGMENT=BOTH			1967 Secs (1967 Secs) [==>]	[1]
	<i>Comments: BFT=20,235 BT=2/3*BFT=13490</i> <i>expected SNR in this exposure is SNR = 2.5807 (per resolution element) at wavelength 1310.00 A</i> <i>Changed from 1096 to 1222 since the absorbing galaxy redshift is at z=0.1162 and absorption below 1100A will be not detected. Science unchanged and now even more optimised.</i>									
	3	G6O 1222_5 (6) G6O (COS.sp.236 6066)	G6O	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=4; BUFFER-TIME=13 490; LIFETIME-POS=L P7; SEGMENT=BOTH			2427 Secs (2427 Secs) [==>]	[2]
	<i>Comments: BFT=20,235 BT=2/3*BFT=13490</i> <i>expected SNR in this exposure is SNR = 2.8666 (per resolution element) at wavelength 1310.00 A</i> <i>Changed from 1096 to 1222 since the absorbing galaxy redshift is at z=0.1162 and absorption below 1100A will be not detected. Science unchanged and now even more optimised.</i>									
	4	G6O 1222_6 (6) G6O (COS.sp.236 6066)	G6O	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=4; BUFFER-TIME=13 490; LIFETIME-POS=L P7; SEGMENT=BOTH			2427 Secs (2427 Secs) [==>]	[3]
	<i>Comments: BFT=20,235 BT=2/3*BFT=13490</i> <i>expected SNR in this exposure is SNR = 2.8666 (per resolution element) at wavelength 1310.00 A</i> <i>Changed from 1096 to 1222 since the absorbing galaxy redshift is at z=0.1162 and absorption below 1100A will be not detected. Science unchanged and now even more optimised.</i>									



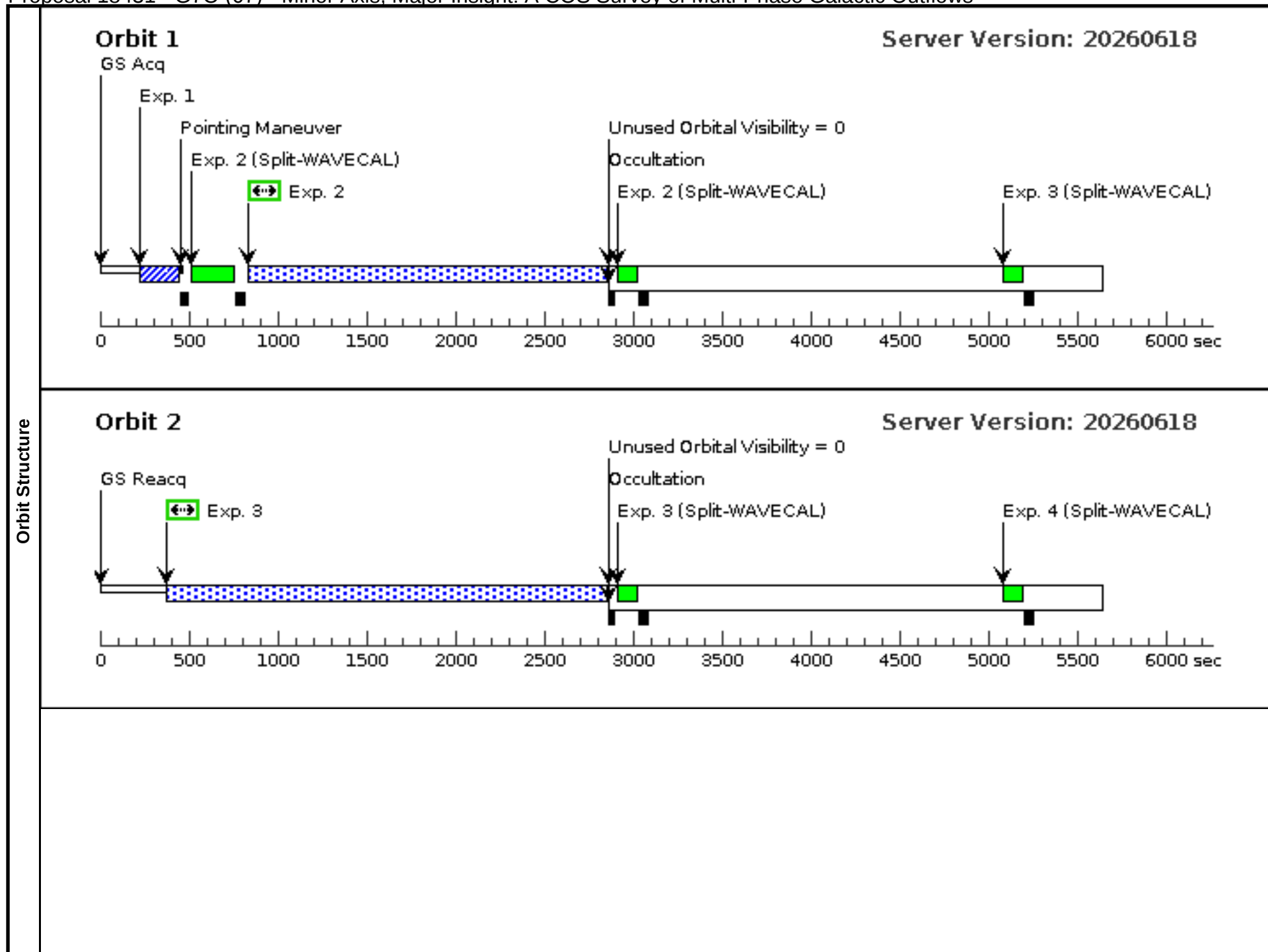


Proposal 18431 - G7O (07) - Minor Axis, Major Insight: A COS Survey of Multi-Phase Galactic Outflows

Visit	Proposal 18431, G7O (07), implementation Diagnostic Status: No Diagnostics Scientific Instruments: COS/FUV, COS/NUV Special Requirements: PCS MODE FINE; SCHED 100%					Thu Aug 27 17:00:50 GMT 2026
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(7)	G7O Alt Name1: 2MASS-J15311298+0911389 Alt Name2: SDSSJ153112.97+091138.6 <i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> <i>Category=GALAXY</i> <i>Description=[QUASAR]</i> <i>Extended=NO</i>	RA: 15 31 12.9765 (232.8040687d) Dec: +09 11 38.71 (9.19409d) Equinox: J2000	Epoch of Position: 2000 Redshift: 1.228	V=18.18 FUV(GALEX AB) = 19.59 NU V(GALEX AB) =18.39993	Reference Frame: ICRS

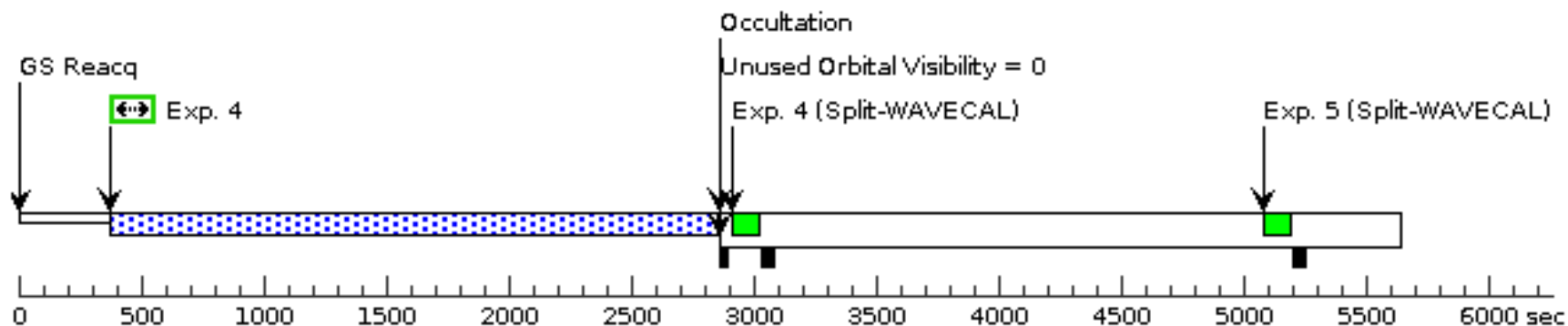
Proposal 18431 - G7O (07) - Minor Axis, Major Insight: A COS Survey of Multi-Phase Galactic Outflows

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	G7O ACQ I MAGE (COS.ta.236 6017)	(7) G7O	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				3 Secs (3 Secs) [==>]	[1]
	2	G7O 1222_1 (COS.sp.236 6018)	(7) G7O	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=1; BUFFER-TIME=13 887; LIFETIME-POS=L P7; SEGMENT=BOTH			1965 Secs (1965 Secs) [==>]	[1]
	Comments: BFT=20,831 BT=2/3*BFT=13887 expected SNR in this exposure is SNR = 2.1743 (per resolution element) at wavelength 1310.00 A									
	3	G7O 1222_2 (COS.sp.236 6019)	(7) G7O	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=2; BUFFER-TIME=13 887; LIFETIME-POS=L P7; SEGMENT=BOTH			2427 Secs (2427 Secs) [==>]	[2]
	Comments: BFT=20,831 BT=2/3*BFT=13887 expected SNR in this exposure is SNR = 2.4164 (per resolution element) at wavelength 1310.00 A									
	4	G7O 1222_3 (COS.sp.236 6019)	(7) G7O	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=3; BUFFER-TIME=13 887; LIFETIME-POS=L P7; SEGMENT=BOTH			2427 Secs (2427 Secs) [==>]	[3]
	Comments: BFT=20,831 BT=2/3*BFT=13887 expected SNR in this exposure is SNR = 2.4164 (per resolution element) at wavelength 1310.00 A									
	5	G7O 1222_4 (COS.sp.236 6019)	(7) G7O	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=4; BUFFER-TIME=13 887; LIFETIME-POS=L P7; SEGMENT=BOTH			2427 Secs (2427 Secs) [==>]	[4]
	Comments: BFT=20,831 BT=2/3*BFT=13887 expected SNR in this exposure is SNR = 2.4164 (per resolution element) at wavelength 1310.00 A									
6	G7O 1222_5 (COS.sp.236 6019)	(7) G7O	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=4; BUFFER-TIME=13 887; LIFETIME-POS=L P7; SEGMENT=BOTH			2427 Secs (2427 Secs) [==>]	[5]	
Comments: BFT=20,831 BT=2/3*BFT=13887 expected SNR in this exposure is SNR = 2.4164 (per resolution element) at wavelength 1310.00 A										



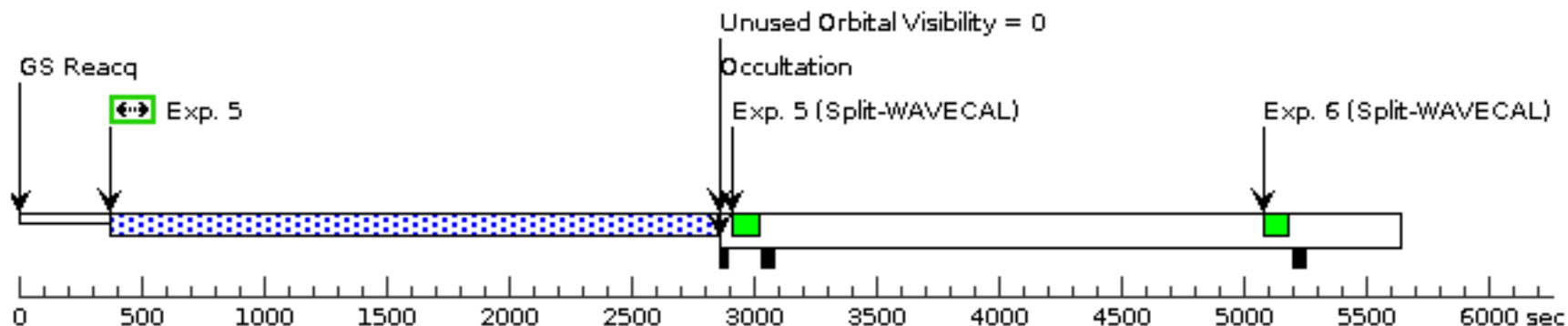
Orbit 3

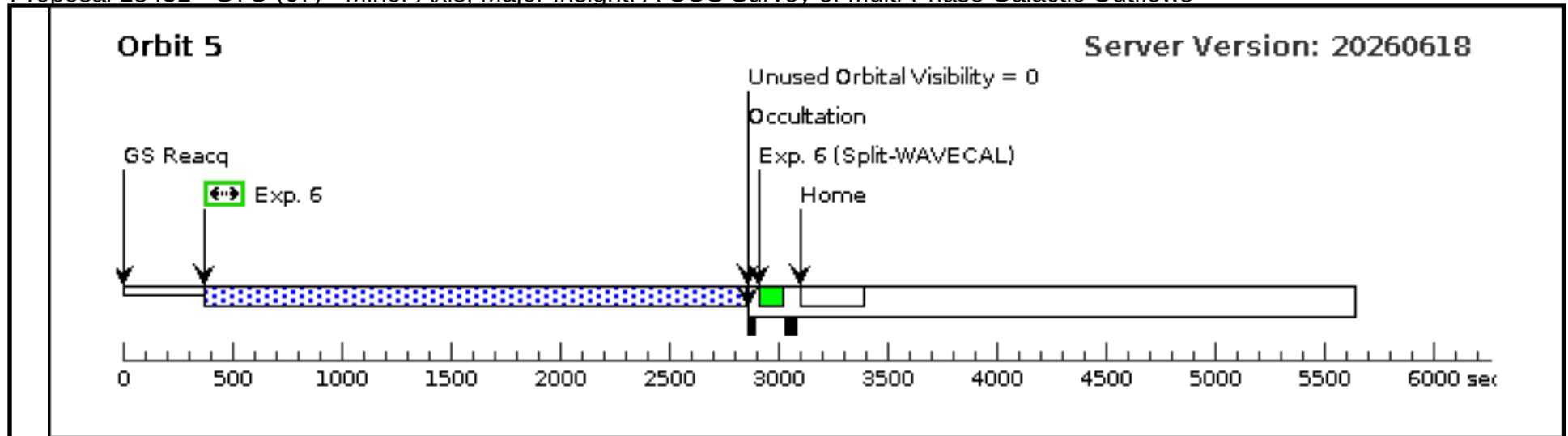
Server Version: 20260618



Orbit 4

Server Version: 20260618



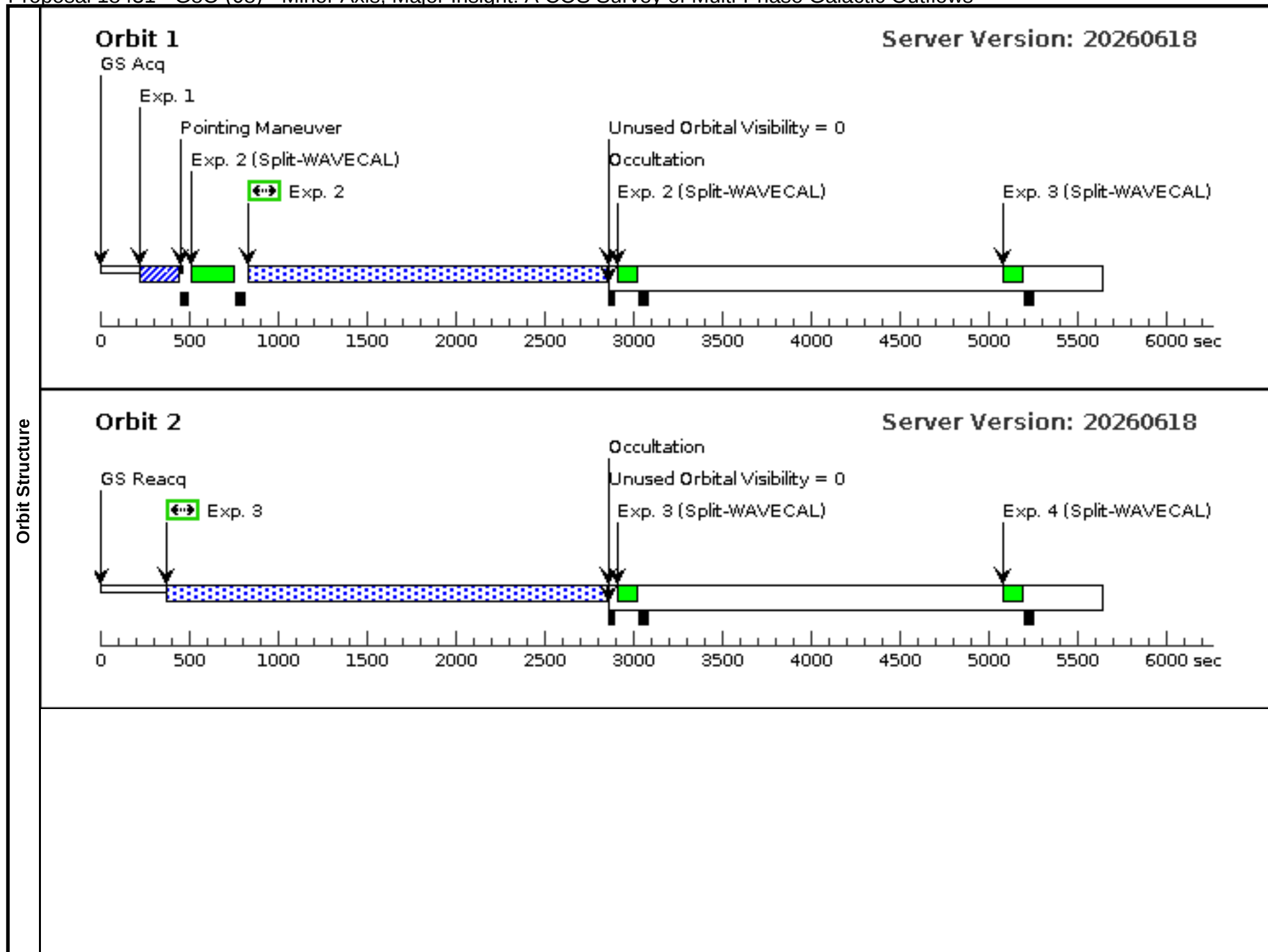


Proposal 18431 - G8O (08) - Minor Axis, Major Insight: A COS Survey of Multi-Phase Galactic Outflows

Visit	Proposal 18431, G8O (08), implementation Thu Aug 27 17:00:50 GMT 2026				
	Diagnostic Status: No Diagnostics Scientific Instruments: COS/FUV, COS/NUV Special Requirements: PCS MODE FINE; SCHED 100%				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(8)	G8O	RA: 14 04 2.1656 (211.0090233d)	Epoch of Position: 2000	V=17.43
		Alt Name1: 2MASS-J14040216+1028005	Dec: +10 28 0.63 (10.46684d)	Redshift: 0.915	FUV(GALEX AB) = 19.39 NU
		Alt Name2: SDSSJ140402.16+102800.6	Equinox: J2000		V(GALEX AB) =17.78797
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[QUASAR] Extended=NO				

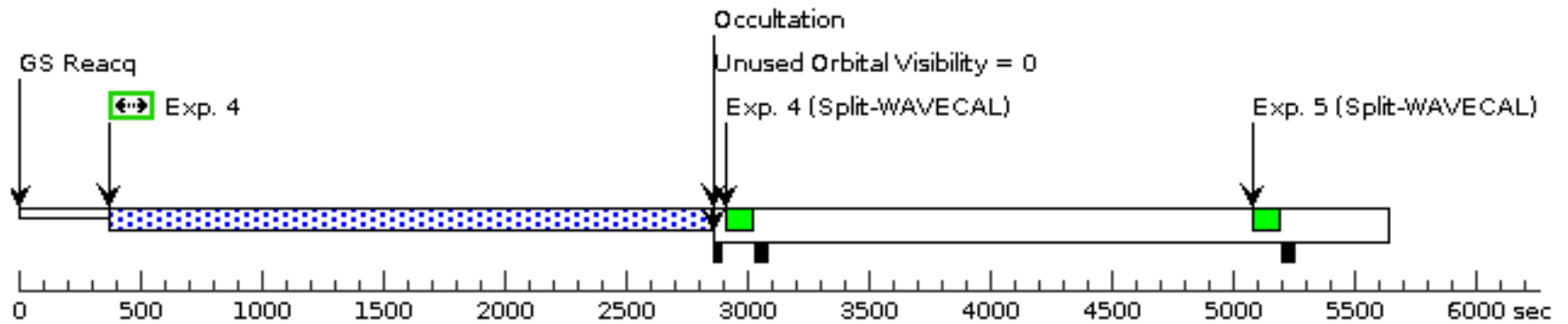
Proposal 18431 - G8O (08) - Minor Axis, Major Insight: A COS Survey of Multi-Phase Galactic Outflows

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	G8O ACQ I MAGE (COS.ta.236 6020)	(8) G8O	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				2 Secs (2 Secs) [==>]	[1]
	2	G8O 1222_1 (COS.sp.236 6021)	(8) G8O	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=1; BUFFER-TIME=13 586; LIFETIME-POS=L P7; SEGMENT=BOTH			1967 Secs (1967 Secs) [==>]	[1]
	Comments: BFT=20,379 BT=2/3*BFT=13586 expected SNR in this exposure is SNR = 2.5686 (per resolution element) at wavelength 1310.00 A									
	3	G8O 1222_2 (COS.sp.236 6022)	(8) G8O	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=2; BUFFER-TIME=13 586; LIFETIME-POS=L P7; SEGMENT=BOTH			2427 Secs (2427 Secs) [==>]	[2]
	Comments: BFT=20,379 BT=2/3*BFT=13586 expected SNR in this exposure is SNR = 2.8532 (per resolution element) at wavelength 1310.00 A									
	4	G8O 1222_3 (COS.sp.236 6022)	(8) G8O	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=3; BUFFER-TIME=13 586; LIFETIME-POS=L P7; SEGMENT=BOTH			2427 Secs (2427 Secs) [==>]	[3]
	Comments: BFT=20,379 BT=2/3*BFT=13586 expected SNR in this exposure is SNR = 2.8532 (per resolution element) at wavelength 1310.00 A									
	5	G8O 1222_4 (COS.sp.236 6022)	(8) G8O	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=4; BUFFER-TIME=13 586; LIFETIME-POS=L P7; SEGMENT=BOTH			2427 Secs (2427 Secs) [==>]	[4]
	Comments: BFT=20,379 BT=2/3*BFT=13586 expected SNR in this exposure is SNR = 2.8532 (per resolution element) at wavelength 1310.00 A									



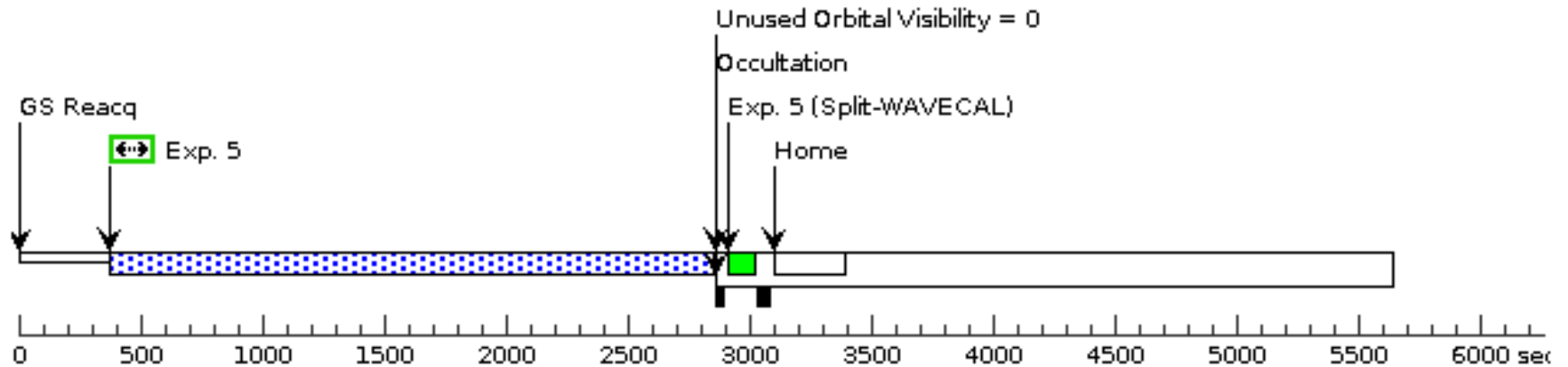
Orbit 3

Server Version: 20260618



Orbit 4

Server Version: 20260618

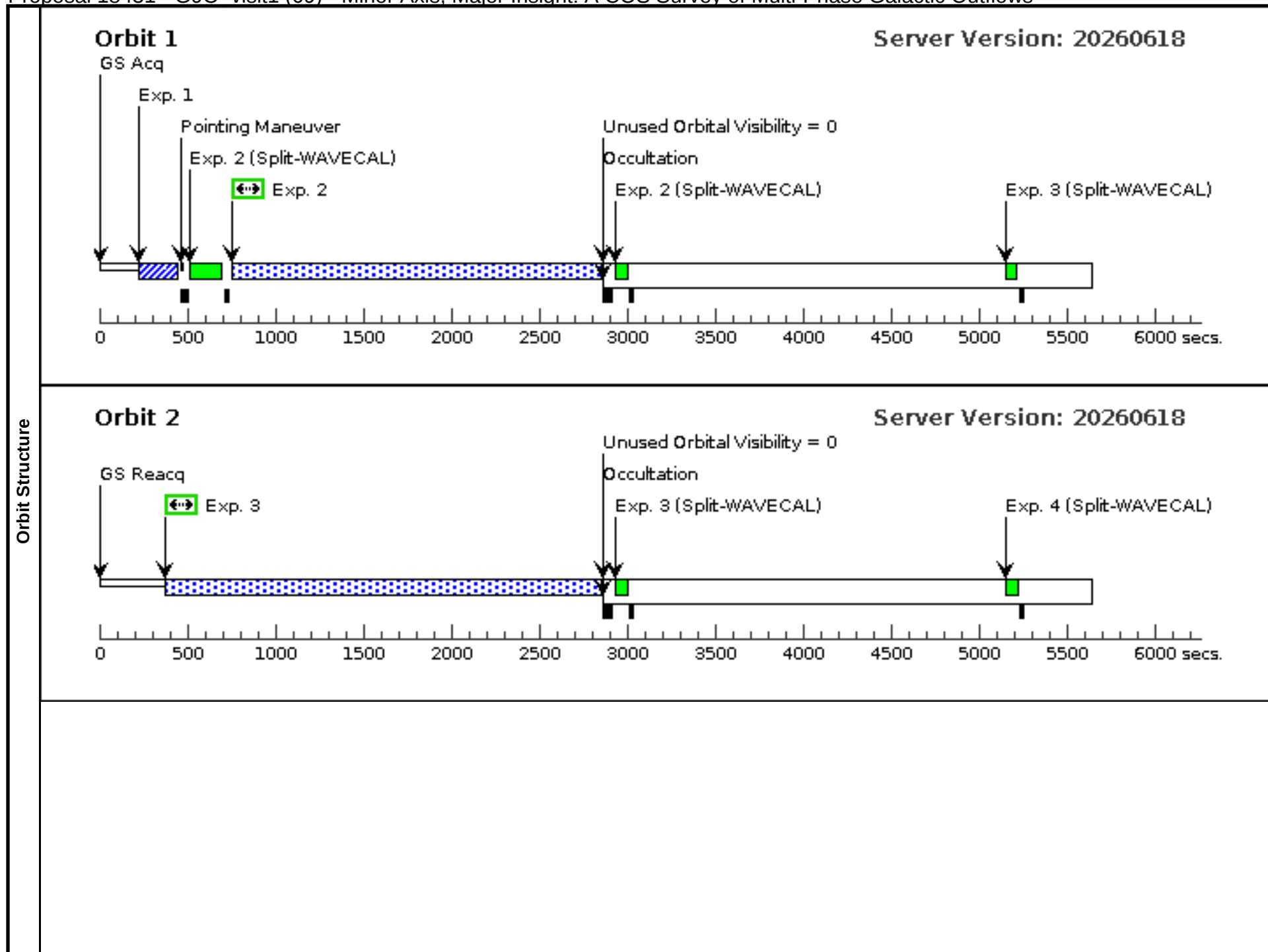


Proposal 18431 - G9O visit1 (09) - Minor Axis, Major Insight: A COS Survey of Multi-Phase Galactic Outflows

Visit	Proposal 18431, G9O_visit1 (09), implementation Thu Aug 27 17:00:50 GMT 2026				
	Diagnostic Status: No Diagnostics Scientific Instruments: COS/FUV, COS/NUV Special Requirements: PCS MODE FINE; SCHED 100%				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(9)	G9O	RA: 09 35 36.9941 (143.9041421d)	Epoch of Position: 2000	V=18.32
		Alt Name1: VV2006-J093537.0+112408	Dec: +11 24 8.00 (11.40222d)	Redshift: 0.846	FUV(GALEX AB) = 19.96 NU
		Alt Name2: SDSSJ093536.98+112408.0	Equinox: J2000		V(GALEX AB) =18.89013
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[QUASAR] Extended=NO				

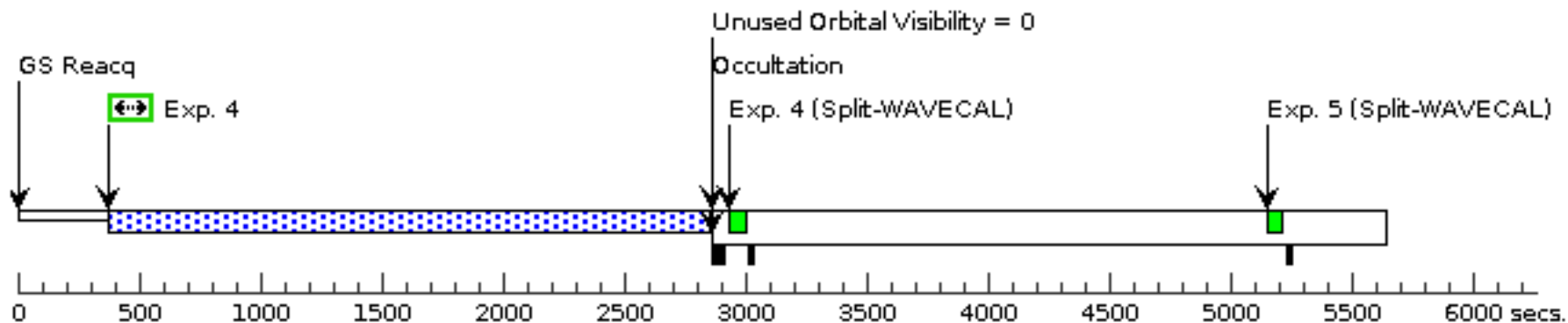
Proposal 18431 - G9O visit1 (09) - Minor Axis, Major Insight: A COS Survey of Multi-Phase Galactic Outflows

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	G9O ACQ I MAGE (COS.ta.236 6023)	(9) G9O	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				4 Secs (4 Secs) [==>]	[1]
	2	G9O 1291_1 (COS.sp.236 6024)	(9) G9O	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=3; BUFFER-TIME=58 28; LIFETIME-POS=L P7; SEGMENT=BOTH			2049 Secs (2049 Secs) [==>]	[1]
	Comments: BFT=8,742 BT=2/3*BFT=5828 expected SNR in this exposure is SNR = 1.9117 (per resolution element) at wavelength 1310.00 A									
	3	G9O 1291_2 (COS.sp.236 6025)	(9) G9O	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=3; BUFFER-TIME=58 28; LIFETIME-POS=L P7; SEGMENT=BOTH			2427 Secs (2427 Secs) [==>]	[2]
	Comments: BFT=8,742 BT=2/3*BFT=5828 expected SNR in this exposure is SNR = 2.0806 (per resolution element) at wavelength 1310.00 A									
	4	G9O 1291_3 (COS.sp.236 6025)	(9) G9O	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=4; BUFFER-TIME=58 28; LIFETIME-POS=L P7; SEGMENT=BOTH			2427 Secs (2427 Secs) [==>]	[3]
	Comments: BFT=8,742 BT=2/3*BFT=5828 expected SNR in this exposure is SNR = 2.0806 (per resolution element) at wavelength 1310.00 A									
	5	G9O 1291_4 (COS.sp.236 6025)	(9) G9O	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=4; BUFFER-TIME=58 28; LIFETIME-POS=L P7; SEGMENT=BOTH			2427 Secs (2427 Secs) [==>]	[4]
	Comments: BFT=8,742 BT=2/3*BFT=5828 expected SNR in this exposure is SNR = 2.0806 (per resolution element) at wavelength 1310.00 A									



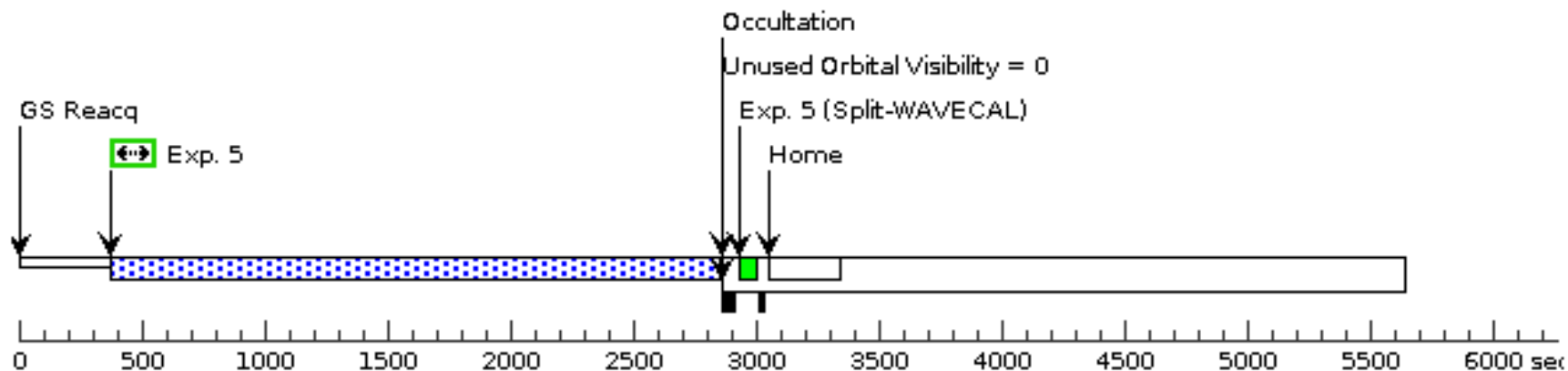
Orbit 3

Server Version: 20260618



Orbit 4

Server Version: 20260618



Proposal 18431 - G9O visit2 (12) - Minor Axis, Major Insight: A COS Survey of Multi-Phase Galactic Outflows

Visit	Proposal 18431, G9O_visit2 (12) Thu Aug 27 17:00:50 GMT 2026 Diagnostic Status: No Diagnostics Scientific Instruments: COS/FUV, COS/NUV Special Requirements: PCS MODE FINE; SCHED 100%									
	# Name Target Coordinates Targ. Coord. Corrections Fluxes Miscellaneous (9) G9O RA: 09 35 36.9941 (143.9041421d) Epoch of Position: 2000 V=18.32 Reference Frame: ICRS Alt Name1: VV2006-J093537.0+112408 Dec: +11 24 8.00 (11.40222d) Redshift: 0.846 FUV(GALEX AB) = 19.96 NU V(GALEX AB) =18.89013 Alt Name2: SDSSJ093536.98+112408.0 Equinox: J2000 Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[QUASAR] Extended=NO									
Fixed Targets										
Exposures	# Label (ETC Run) Target Config,Mode,Aperture Spectral Els. Opt. Params. Special Reqs. Groups Exp. Time (Total)/[Actual Dur.] Orbit 1 G9O ACQ I (9) G9O MAGE (COS.ta.236 6023) COS/NUV, ACQ/IMAGE, PSA MIRRORA 4 Secs (4 Secs) [==>] [1]									
	2 G9O 1291_5 (9) G9O (COS.sp.236 6024) COS/FUV, TIME-TAG, PSA G130M 1291 A FP-POS=3; BUFFER-TIME=58 28; LIFETIME-POS=L P7; SEGMENT=BOTH 2049 Secs (2049 Secs) [==>] [1] Comments: BFT=8,742 BT=2/3*BFT=5828 expected SNR in this exposure is SNR = 1.9117 (per resolution element) at wavelength 1310.00 A									
Exposures										
Exposures	3 G9O 1291_6 (9) G9O (COS.sp.236 6025) COS/FUV, TIME-TAG, PSA G130M 1291 A FP-POS=4; BUFFER-TIME=58 28; LIFETIME-POS=L P7; SEGMENT=BOTH 2427 Secs (2427 Secs) [==>] [2] Comments: BFT=8,742 BT=2/3*BFT=5828 expected SNR in this exposure is SNR = 2.0806 (per resolution element) at wavelength 1310.00 A									
	4 G9O 1291_7 (9) G9O (COS.sp.236 6025) COS/FUV, TIME-TAG, PSA G130M 1291 A FP-POS=4; BUFFER-TIME=58 28; LIFETIME-POS=L P7; SEGMENT=BOTH 2427 Secs (2427 Secs) [==>] [3] Comments: BFT=8,742 BT=2/3*BFT=5828 expected SNR in this exposure is SNR = 2.0806 (per resolution element) at wavelength 1310.00 A									

