



17211 - Search for feedback signatures in massive blue galaxy halos

Cycle: 30, Proposal Category: GO

(UV Initiative)

(Availability Mode: SUPPORTED)

INVESTIGATORS

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Prof. Jay Christopher Howk (CoI)	University of Notre Dame
Dr. Nicolas Lehner (CoI)	University of Notre Dame
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Dr. Andrew J. Fox (CoI) (ESA Member)	Space Telescope Science Institute - ESA
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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) FBQS-J0212+0100	COS/FUV COS/NUV	4	17-Mar-2025 12:00:15.0	yes
51	(1) FBQS-J0212+0100	COS/FUV COS/NUV	4	17-Mar-2025 12:00:16.0	yes
02	(1) FBQS-J0212+0100	COS/FUV COS/NUV	4	17-Mar-2025 12:00:17.0	yes

Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
03	(2) HB89-0906+015	COS/FUV COS/NUV	3	17-Mar-2025 12:00:18.0	yes
53	(2) HB89-0906+015	COS/FUV COS/NUV	1	17-Mar-2025 12:00:18.0	yes
04	(2) HB89-0906+015	COS/FUV COS/NUV	3	17-Mar-2025 12:00:19.0	yes
05	(3) TON-0392	COS/FUV COS/NUV	2	17-Mar-2025 12:00:20.0	yes
06	(4) 2MASS-J11455219+6206336	COS/FUV COS/NUV	4	17-Mar-2025 12:00:22.0	yes
07	(5) 2MASS-J12444532+0755144	COS/FUV COS/NUV	2	17-Mar-2025 12:00:23.0	yes
54	(5) 2MASS-J12444532+0755144	COS/FUV COS/NUV	1	17-Mar-2025 12:00:23.0	yes
08	(5) 2MASS-J12444532+0755144	COS/FUV COS/NUV	2	17-Mar-2025 12:00:24.0	yes
09	(5) 2MASS-J12444532+0755144	COS/FUV COS/NUV	3	17-Mar-2025 12:00:24.0	yes
10	(6) 2MASS-J13075426+0044222	COS/FUV COS/NUV	3	17-Mar-2025 12:00:25.0	yes
11	(6) 2MASS-J13075426+0044222	COS/FUV COS/NUV	3	17-Mar-2025 12:00:26.0	yes
12	(7) 2MASS-J07452815+1919525	COS/FUV COS/NUV	4	17-Mar-2025 12:00:27.0	yes
13	(8) TON-469	COS/FUV COS/NUV	3	17-Mar-2025 12:00:29.0	yes
14	(9) ICRF-J095649.8+251516	COS/FUV COS/NUV	4	17-Mar-2025 12:00:30.0	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>
52	(9) ICRF-J095649.8+251516	COS/FUV COS/NUV	3	17-Mar-2025 12:00:31.0	yes
15	(10) VV2006-J121248.0+615340	COS/FUV COS/NUV	4	17-Mar-2025 12:00:33.0	yes
18	(10) VV2006-J121248.0+615340	COS/FUV COS/NUV	2	17-Mar-2025 12:00:34.0	yes
16	(11) VV2000-J140742.1+293321	COS/FUV COS/NUV	4	17-Mar-2025 12:00:35.0	yes
17	(12) VV98-J130544.4+530137	COS/FUV COS/NUV	4	17-Mar-2025 12:00:37.0	yes
19	(12) VV98-J130544.4+530137	COS/FUV COS/NUV	2	17-Mar-2025 12:00:39.0	yes

69 Total Orbits Used

ABSTRACT

The quenching of star formation creates the red sequence of galaxies, which accounts for most of the stellar mass in the Universe today. Hubble/COS studies of mainstream galaxy populations show that the Circumgalactic Medium (CGM) has some connection to quenching, as red galaxies generally have less warm halo gas than their star-forming counterparts but still exhibit substantial cold gas. This is a major conundrum: why do massive red galaxies retain a significant mass of cold gas but do not use it to form stars? We propose a systematic absorption-line experiment to answer a very well-posed question: what happens in the CGM of galaxies that are soon to quench? We have selected a sample of 20 QSO/galaxy pairs that combines 12 new QSO sightlines and six archival QSOs, all within 250 kpc projected separation of extremely blue and massive ($\log M^*/M_{\text{sun}} > 11$) galaxies that are, or are about to be, transformed into quiescent red-sequence galaxies. New COS observations will probe the multiphase CGM using the O VI line to trace the hot gas and lower ionization species (H I, O I, C II/III, Si II/III/IV) to identify the cooler material. Combined with ground-based spectroscopic and morphological information on these massive blue galaxies, the new data will show where massive blue galaxies fit into the evolutionary sequence of galaxies and their CGM: Will their halos be full of metal-enriched gas still fueling star formation, like mainstream L* galaxies? Or has their halo gas started to fade away, driving them toward the red sequence? Our sample will apply proven techniques to an important phase of galaxy evolution where the baryon cycle has not yet been explored.

OBSERVING DESCRIPTION

We will observe 12 UV-bright ($16.9 < \text{FUV} < 18.95$) QSOs with HST/COS G140L and G160M/G130M to study the extended circumgalactic medium around a set of massive blue galaxies. Each target requires between 2 and 8 orbits (with a combination of G140L and G130M/G160M), amounting to 56 orbits in total for the program.

S/N Requirements:

For each target, we use the COS G140L grating as at $0.2 < z_{\text{gal}} < 0.6$, both the Lyman limit and Ly-alpha fall in the G140L wavelength coverage, providing us with measures of HI column densities over $16.5 < \log N(\text{H I}) < 18.0$ (via the Lyman break) and $\log N(\text{H I}) > 20$ (via the Ly-alpha damping wings). The survey design requires us to reach $\text{SNR} \sim 10\text{-}12$ at ~ 1500 AA with G140L setup.

We will further use the G130M or G160M grating (depending on z) to target HI 1025, OVI 1031, 1037, CII 1036, CIII 977, OI 1039 lines at 15-20 km/s resolution, which will provide detailed component structures and relative kinematics of the multiphase CGM gas. Moreover, HI 1025 (Ly-beta) line will be optically thin for $\log N(\text{H I}) < 15.0$ and will provide accurate HI column density estimate in that regime. Combined with G140L measurements, we will have accurate HI column density measure for the full sample. We require $\text{SNR} \sim 8\text{-}10$ at the observed wavelength of OVI 1031 line. These S/N ratios enable good absorption-line measurements down to observed-frame equivalent widths $W_l \sim 50 - 80$ mAA at 3σ , depending on wavelength (OVI detection threshold $\log \text{NOVI} \sim 13.5$).

Instrument Set-up:

Each target will be observed with G140L grating at a central wavelength of 1280 AA, to cover the Lyman Limit and Ly-a absorption in the rest frame of foreground galaxy.

In order to adequately model the absorption features and detect their component structure, we choose the highest spectral resolution of COS (G130M/G160M, depending on galaxy redshift) with different central wavelengths. In addition to detecting Ly-beta and OVI, other transitions we probe will include C III 977, CII 1036, OI 1039, Ly-gamma etc.

Phase II Strategy:

Proposal 17211 (STScI Edit Number: 6, Created: Monday, March 17, 2025, 11:00:39AM Eastern Standard Time) - Overview

Our coordinates are accurate to within 0.4" and are all point sources. We use a NUV ACQ/IMAGE target acquisition strategy which maximizes the science exposure times for these sources. To calculate acquisition exposure times using the ETC, we require a S/N of 20 in these NUV acquisition images and model the QSOs as FOS-based QSOs using their Galex FUV magnitudes.

For every target we are using G140L grating centered at 1280 AA. And for each target we use either G130M or G160M gratings with different cenwave settings. We generally split our observations of each target into 3 or 4 orbit visits. For targets that require more than 4 orbits, we break them up into 2, 3 or 4 orbit visits. All our targets are observed between 1 to 3 visits.

To maximize exposure time and reduce overhead, we generally allocate one or two FP-POS per orbit. We split the FP-POS settings across different orbits and visits to ensure that all the FP-POS are uniformly used. Only exception is if there are FP-POS restrictions for that cenwave setting (e.g. for G130M, cenwave= 1291 both segments). In general, we uniformly distribute all FP-POS settings across all visits between all grating and cenwave settings.

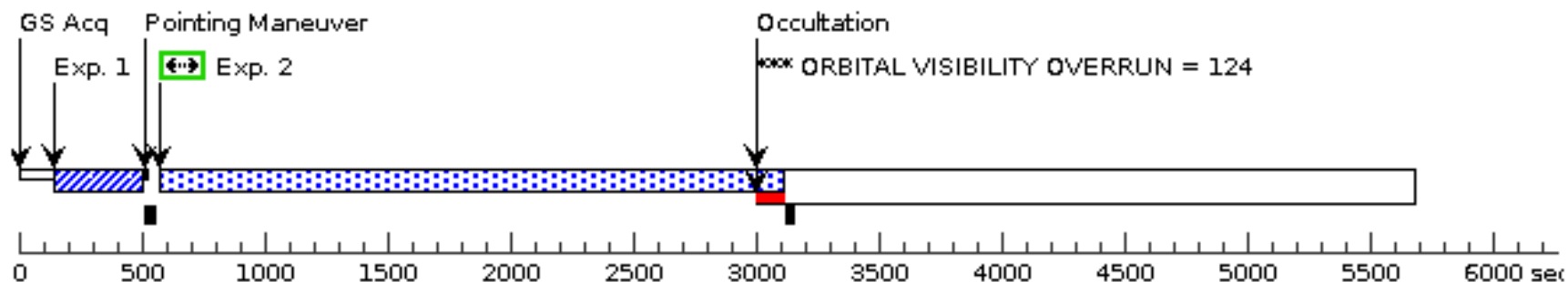
None of these QSOs will pose a bright limit threat to COS and we have no timing or orientation constraints. In general, the buffer times are quite long, and we set the buffer time in the exposure manually to be approximately 2 /3 times the buffer full time from the ETC calculations. In our final set-up, we achieve SNR of between 9 - 10 across 1400 - 1550 Angstroms for all of our targets, which is in generally line with the requirements we outlined in the science case of Phase 1.

Proposal 17211 - FBQS-J0212+0100 visit 1 (01) - Search for feedback signatures in massive blue galaxy halos

Visit	Proposal 17211, FBQS-J0212+0100 visit 1 (01), failed					Mon Mar 17 16:00:39 GMT 2025				
	Diagnostic Status: Warning									
	Scientific Instruments: COS/FUV, COS/NUV									
	Special Requirements: (none)									
Comments: First visit to do 3 orbits of G140L and 1 orbit of G130M.										
Diagnostics	(FBQS-J0212+0100 visit 1 (01)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions when observing at a given COS cenwave.									
	(FBQS-J0212+0100 visit 1 (01)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
	(FBQS-J0212+0100 visit 1 (01)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
	(FBQS-J0212+0100 visit 1 (01)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
	(FBQS-J0212+0100 visit 1 (01)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	FBQS-J0212+0100	RA: 02 12 25.5672 (33.1065300d) Dec: +01 00 56.12 (1.01559d) Equinox: J2000		V=18.57 +/-0.02 Galex_FUV = 18.95	Reference Frame: ICRS				
	Comments: This object was generated by the targetselector and retrieved from the NED database.									
	Category=GALAXY Description=[ACCRETION DISK, QSO, 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	Acq (COS.ta.181 2961)	(1) FBQS-J0212+01 00	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				33 Secs (33 Secs) [==>]	[1]
	2	G140L/FP1 (COS.sp.181 2964)	(1) FBQS-J0212+01 00	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=14 000; FP-POS=1; SEGMENT=BOTH			2364 Secs (2364 Secs) [==>]	[1]
	3	G140L/FP2 (COS.sp.181 2964)	(1) FBQS-J0212+01 00	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=14 000; FP-POS=2; SEGMENT=BOTH			2686 Secs (2686 Secs) [==>]	[2]
	4	G140L/FP3 (COS.sp.181 2964)	(1) FBQS-J0212+01 00	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=14 000; FP-POS=3; SEGMENT=BOTH			1200 Secs (1200 Secs) [==>]	[3]
	5	G140L/FP4 (COS.sp.181 2964)	(1) FBQS-J0212+01 00	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=14 000; FP-POS=4; SEGMENT=BOTH			1381 Secs (1381 Secs) [==>]	[3]
	6	G130M/FP4 (COS.sp.181 3062)	(1) FBQS-J0212+01 00	COS/FUV, TIME-TAG, PSA	G130M 1222 A	BUFFER-TIME=13 600; FP-POS=4; SEGMENT=BOTH			2684 Secs (2684 Secs) [==>]	[4]

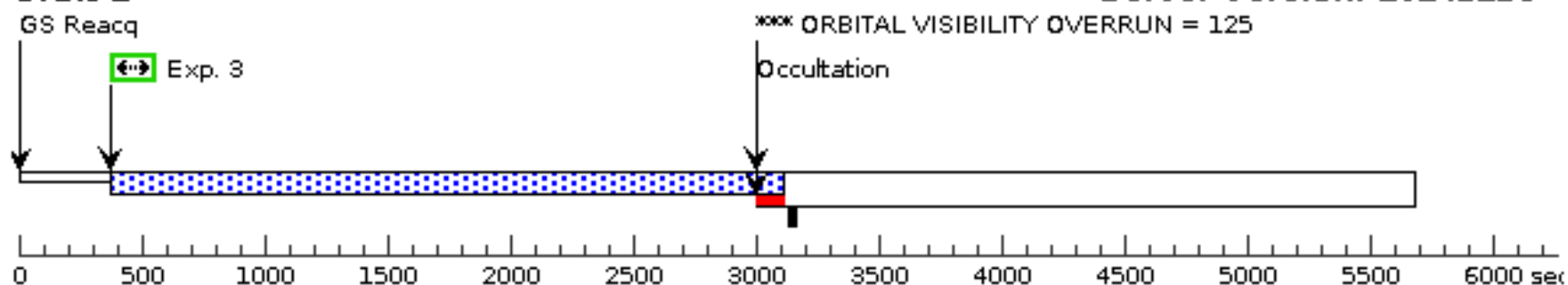
Orbit 1

Server Version: 20241216



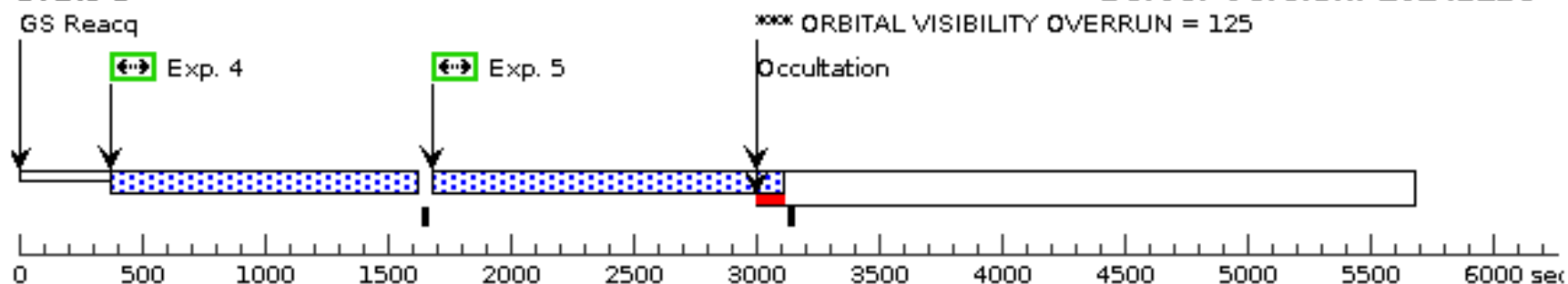
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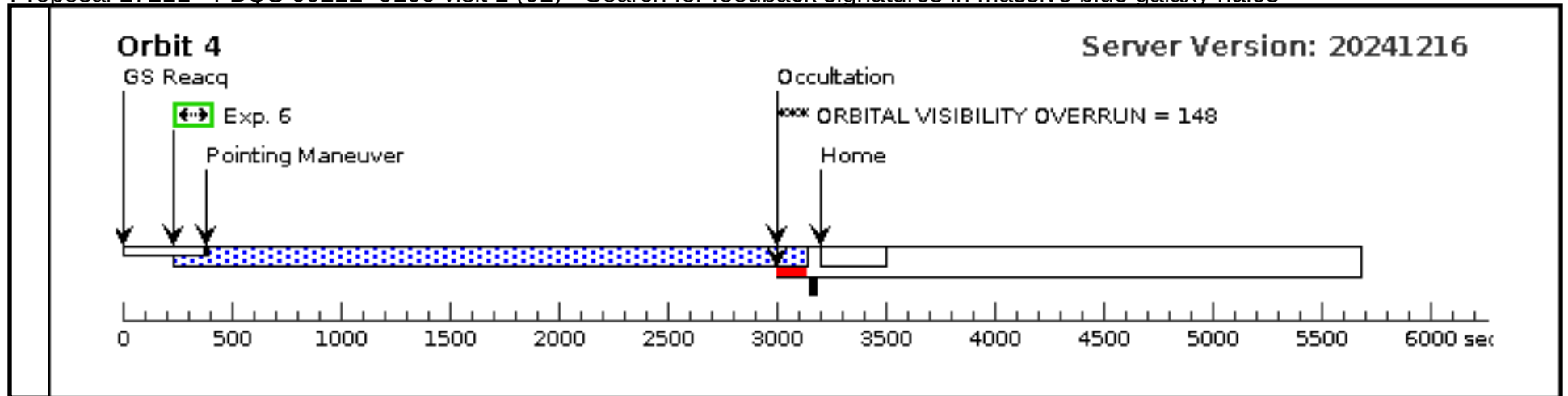
Server Version: 20241216



Orbit 3

Server Version: 20241216



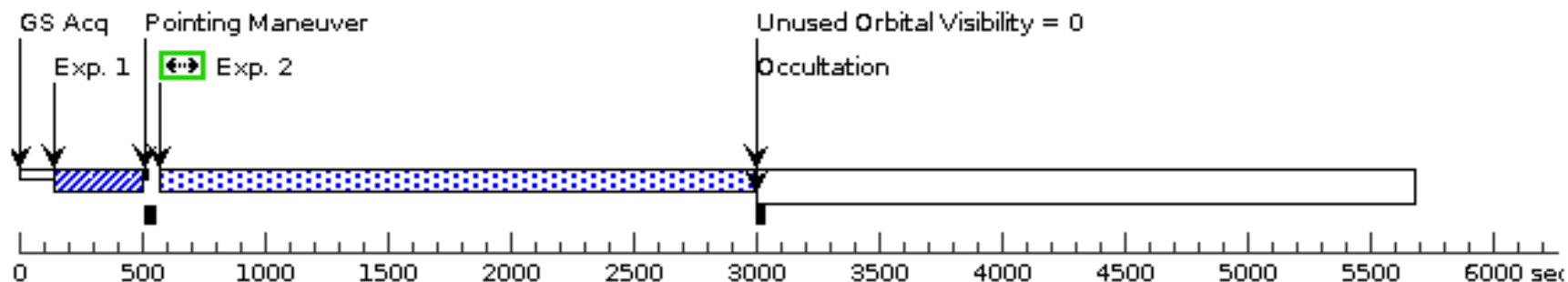


Proposal 17211 - FBQS-J0212+0100 visit 1 (51) - Search for feedback signatures in massive blue galaxy halos

Visit	Proposal 17211, FBQS-J0212+0100 visit 1 (51), completed Mon Mar 17 16:00:39 GMT 2025									
	Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none) <i>Comments: First visit to do 3 orbits of G140L and 1 orbit of G130M. HOPR copy of visit 01</i>									
Diagnostics	(FBQS-J0212+0100 visit 1 (51)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions when observing at a given COS cenwave.									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord.	Corrections	Fluxes	Miscellaneous			
	(1)	FBQS-J0212+0100	RA: 02 12 25.5672 (33.1065300d) Dec: +01 00 56.12 (1.01559d) Equinox: J2000 <i>Comments: This object was generated by the targetselector and retrieved from the NED database. Category=GALAXY Description=[ACCRETION DISK, QSO, QUASAR] Extended=NO</i>			V=18.57 +/-0.02 Galex_FUV = 18.95	Reference Frame: ICRS			
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Acq (COS.ta.181 00 2961)	(1) FBQS-J0212+01	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				33 Secs (33 Secs) [==>]	[1]
	2	G140L/FP1 (COS.sp.181 00 2964)	(1) FBQS-J0212+01	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=14 000; FP-POS=1; SEGMENT=BOTH			2364 Secs (2240 Secs) [==>2240.0 Secs]	[1]
	3	G140L/FP2 (COS.sp.181 00 2964)	(1) FBQS-J0212+01	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=14 000; FP-POS=2; SEGMENT=BOTH			2686 Secs (2561 Secs) [==>2561.0 Secs]	[2]
	4	G140L/FP3 (COS.sp.181 00 2964)	(1) FBQS-J0212+01	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=14 000; FP-POS=3; SEGMENT=BOTH			1200 Secs (1137 Secs) [==>1137.0 Secs]	[3]
	5	G140L/FP4 (COS.sp.181 00 2964)	(1) FBQS-J0212+01	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=14 000; FP-POS=4; SEGMENT=BOTH			1381 Secs (1318 Secs) [==>1318.0 Secs]	[3]
	6	G130M/FP4 (COS.sp.181 00 3062)	(1) FBQS-J0212+01	COS/FUV, TIME-TAG, PSA	G130M 1222 A	BUFFER-TIME=13 600; FP-POS=4; SEGMENT=BOTH			2684 Secs (2536 Secs) [==>2536.0 Secs]	[4]

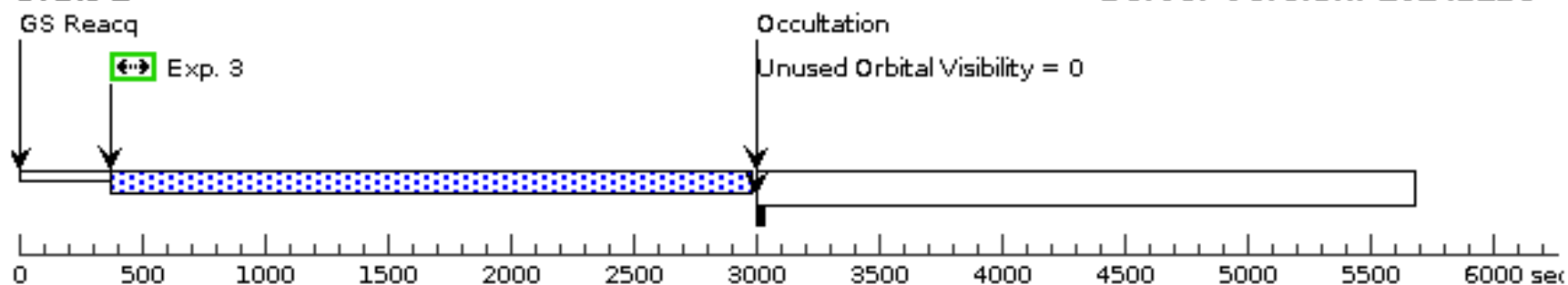
Orbit 1

Server Version: 20241216



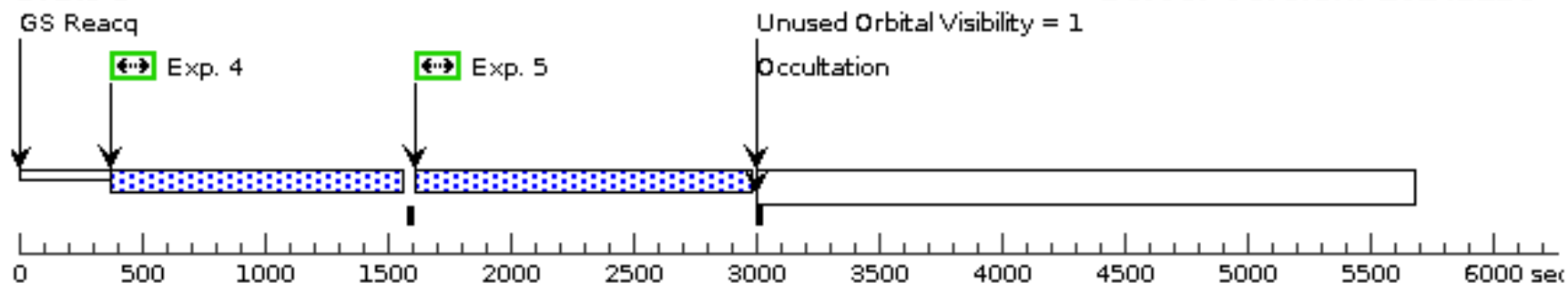
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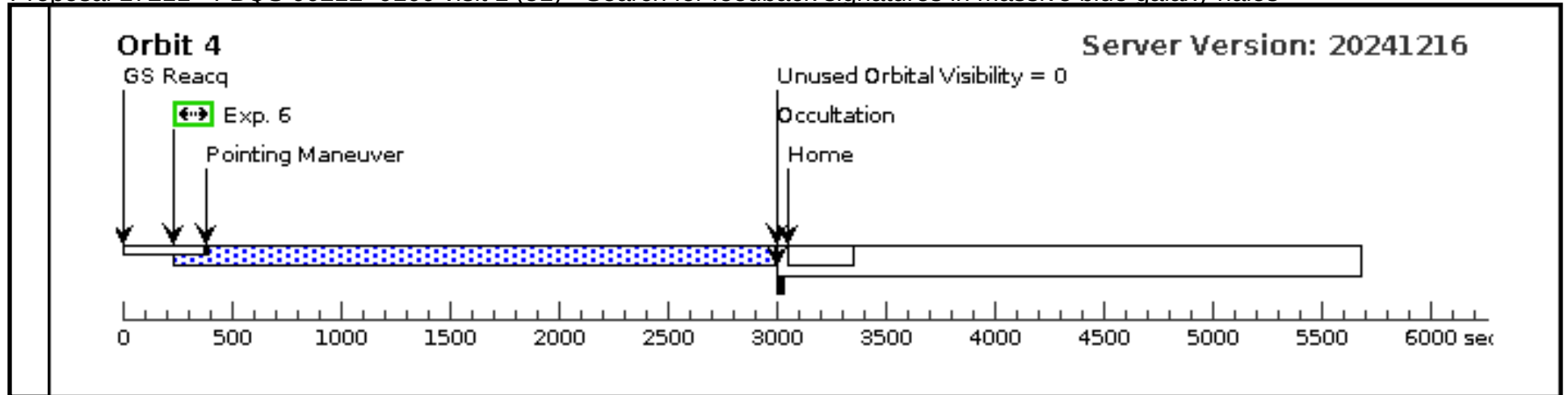
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Orbit 3

Server Version: 20241216



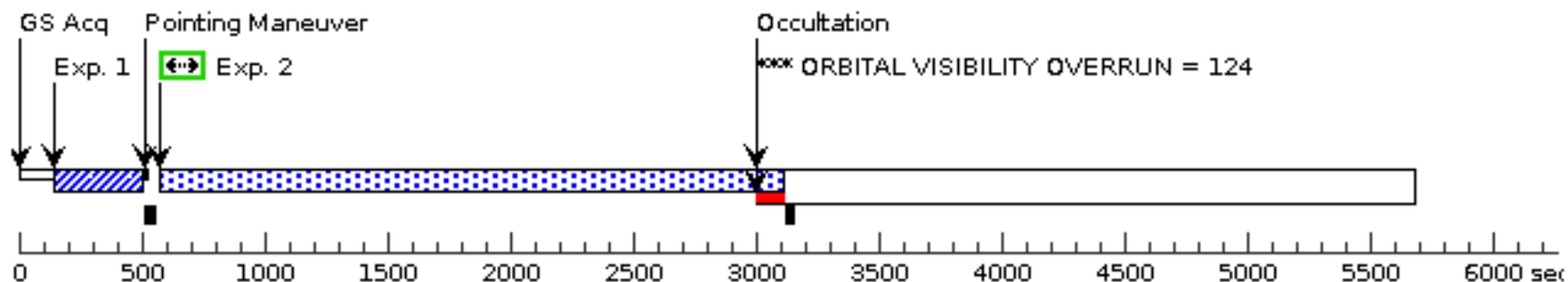


Proposal 17211 - FBQS-J0212+0100 visit 2 (02) - Search for feedback signatures in massive blue galaxy halos

Visit	Proposal 17211, FBQS-J0212+0100 visit 2 (02), completed										Mon Mar 17 16:00:39 GMT 2025
	Diagnostic Status: Warning										
	Scientific Instruments: COS/FUV, COS/NUV										
	Special Requirements: (none)										
Comments: First visit to do 3 orbits of G140L and 1 orbit of G130M.											
Diagnostics	(FBQS-J0212+0100 visit 2 (02)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
	(FBQS-J0212+0100 visit 2 (02)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
	(FBQS-J0212+0100 visit 2 (02)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
	(FBQS-J0212+0100 visit 2 (02)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes		Miscellaneous		
	(1)	FBQS-J0212+0100	RA: 02 12 25.5672 (33.1065300d) Dec: +01 00 56.12 (1.01559d) Equinox: J2000				V=18.57 +/-0.02 Galex_FUV = 18.95		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the NED database.										
	Category=GALAXY Description=[ACCRETION DISK, QSO, 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	Acq (COS.ta.181 2961)	(1) FBQS-J0212+01 00	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				33 Secs (33 Secs)		
									[==>]		[1]
	2	G130M/FP1 (COS.sp.181 3062)	(1) FBQS-J0212+01 00	COS/FUV, TIME-TAG, PSA	G130M 1222 A	BUFFER-TIME=13 600; FP-POS=1; SEGMENT=BOTH			2356 Secs (2356 Secs)		
									[==>]		[1]
	3	G130M/FP2 (COS.sp.181 3062)	(1) FBQS-J0212+01 00	COS/FUV, TIME-TAG, PSA	G130M 1222 A	BUFFER-TIME=13 600; FP-POS=2; SEGMENT=BOTH			2686 Secs (2686 Secs)		
									[==>]		[2]
	4	G130M/FP3 (COS.sp.181 3062)	(1) FBQS-J0212+01 00	COS/FUV, TIME-TAG, PSA	G130M 1222 A	BUFFER-TIME=13 600; FP-POS=3; SEGMENT=BOTH			2686 Secs (2686 Secs)		
									[==>]		[3]
	5	G130M/FP4 (COS.sp.181 3062)	(1) FBQS-J0212+01 00	COS/FUV, TIME-TAG, PSA	G130M 1222 A	BUFFER-TIME=13 600; FP-POS=4; SEGMENT=BOTH			2686 Secs (2686 Secs)		
								[==>]		[4]	

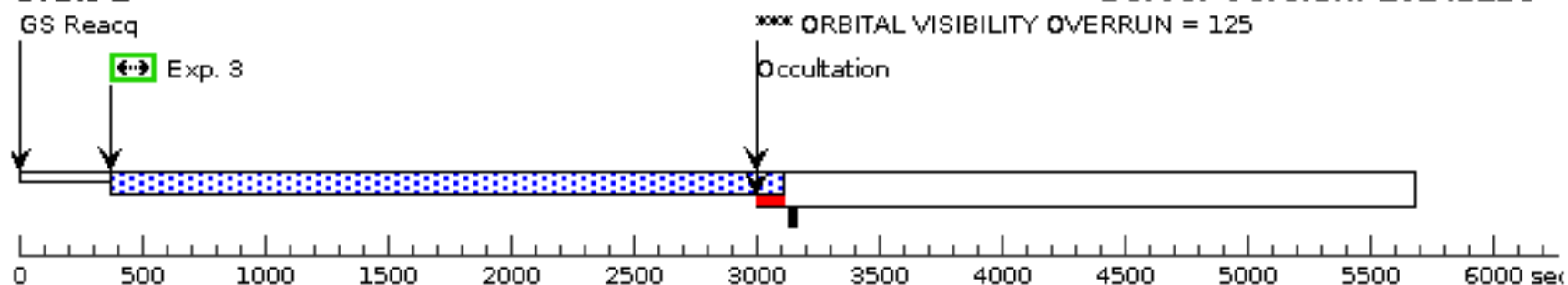
Orbit 1

Server Version: 20241216



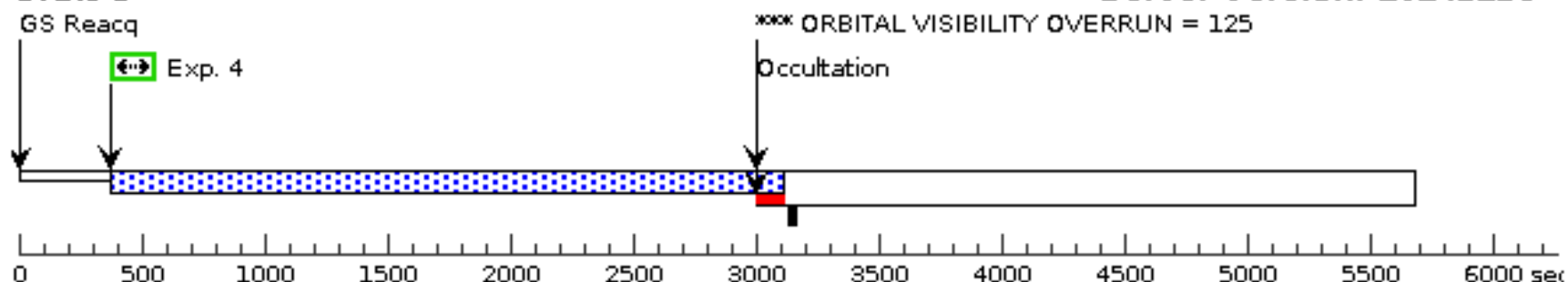
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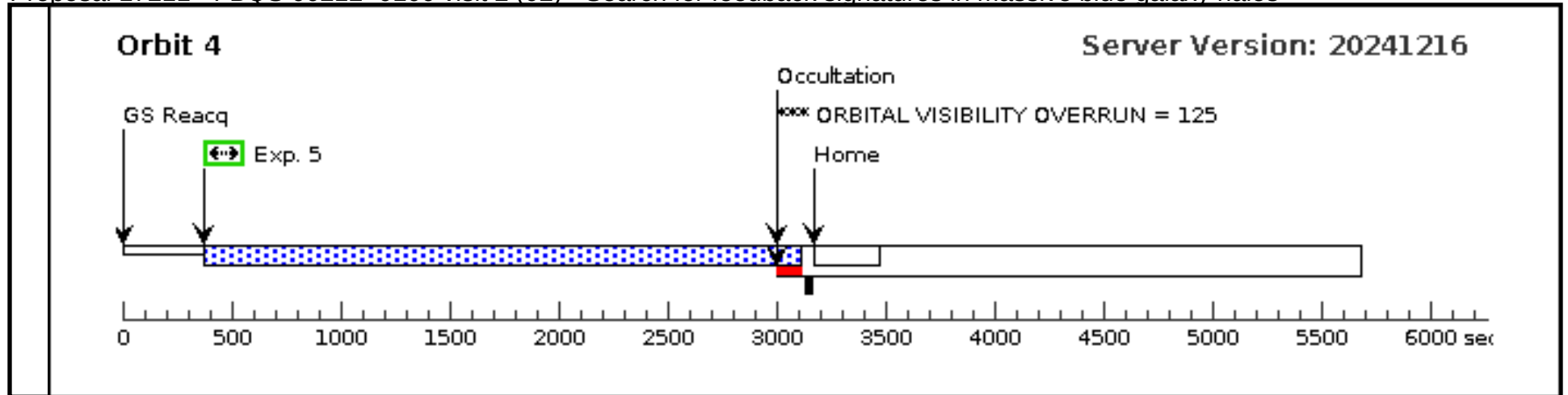
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Orbit 3

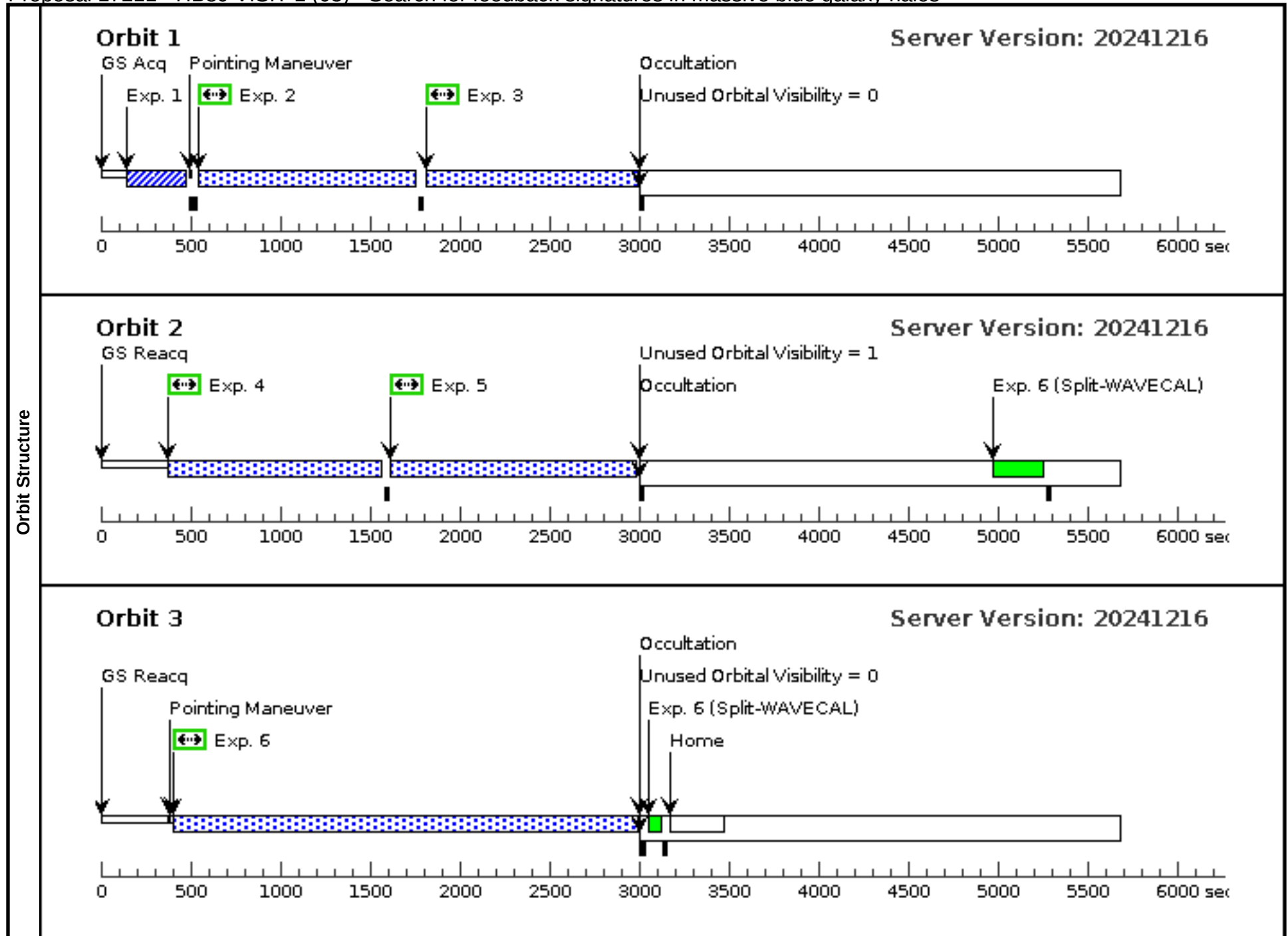
Server Version: 20241216





Proposal 17211 - HB89 VISIT 1 (03) - Search for feedback signatures in massive blue galaxy halos

Visit	Proposal 17211, HB89 VISIT 1 (03), failed										Mon Mar 17 16:00:39 GMT 2025
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: COS/FUV, COS/NUV										
	Special Requirements: (none)										
Comments: Do 2 orbits of G140L and 1 orbit of G160M											
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes	Miscellaneous			
	(2)	HB89-0906+015	RA: 09 09 10.0920 (137.2920500d) Dec: +01 21 35.60 (1.35989d) Equinox: J2000				V=17.63 +/-0.02 Galex_FUV = 18.39	Reference Frame: ICRS			
	Comments: This object was generated by the targetselector and retrieved from the NED database.										
	Category=GALAXY Description=[ACCRETION DISK, QSO, 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	Acq (COS.ta.181 2967)	(2) HB89-0906+015	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				20 Secs (20 Secs)		
									[==>]	[1]	
	2	G140L/FP1 (COS.sp.181 2968)	(2) HB89-0906+015	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=12 500; FP-POS=1; SEGMENT=BOTH				1100 Secs (1038 Secs)	
										[==>1038.0 Secs]	[1]
	3	G140L/FP2 (COS.sp.181 2968)	(2) HB89-0906+015	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=12 500; FP-POS=2; SEGMENT=BOTH				1185 Secs (1123 Secs)	
										[==>1123.0 Secs]	[1]
	4	G140L/FP3 (COS.sp.181 2968)	(2) HB89-0906+015	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=12 500; FP-POS=3; SEGMENT=BOTH				1200 Secs (1137 Secs)	
										[==>1137.0 Secs]	[2]
	5	G140L/FP4 (COS.sp.181 2968)	(2) HB89-0906+015	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=12 500; FP-POS=4; SEGMENT=BOTH				1381 Secs (1318 Secs)	
										[==>1318.0 Secs]	[2]
	6	G160M/FP4 (COS.sp.181 2974)	(2) HB89-0906+015	COS/FUV, TIME-TAG, PSA	G160M 1533 A	BUFFER-TIME=13 300; FP-POS=4; SEGMENT=BOTH				2690 Secs (2535 Secs)	
									[==>2535.0 Secs]	[3]	

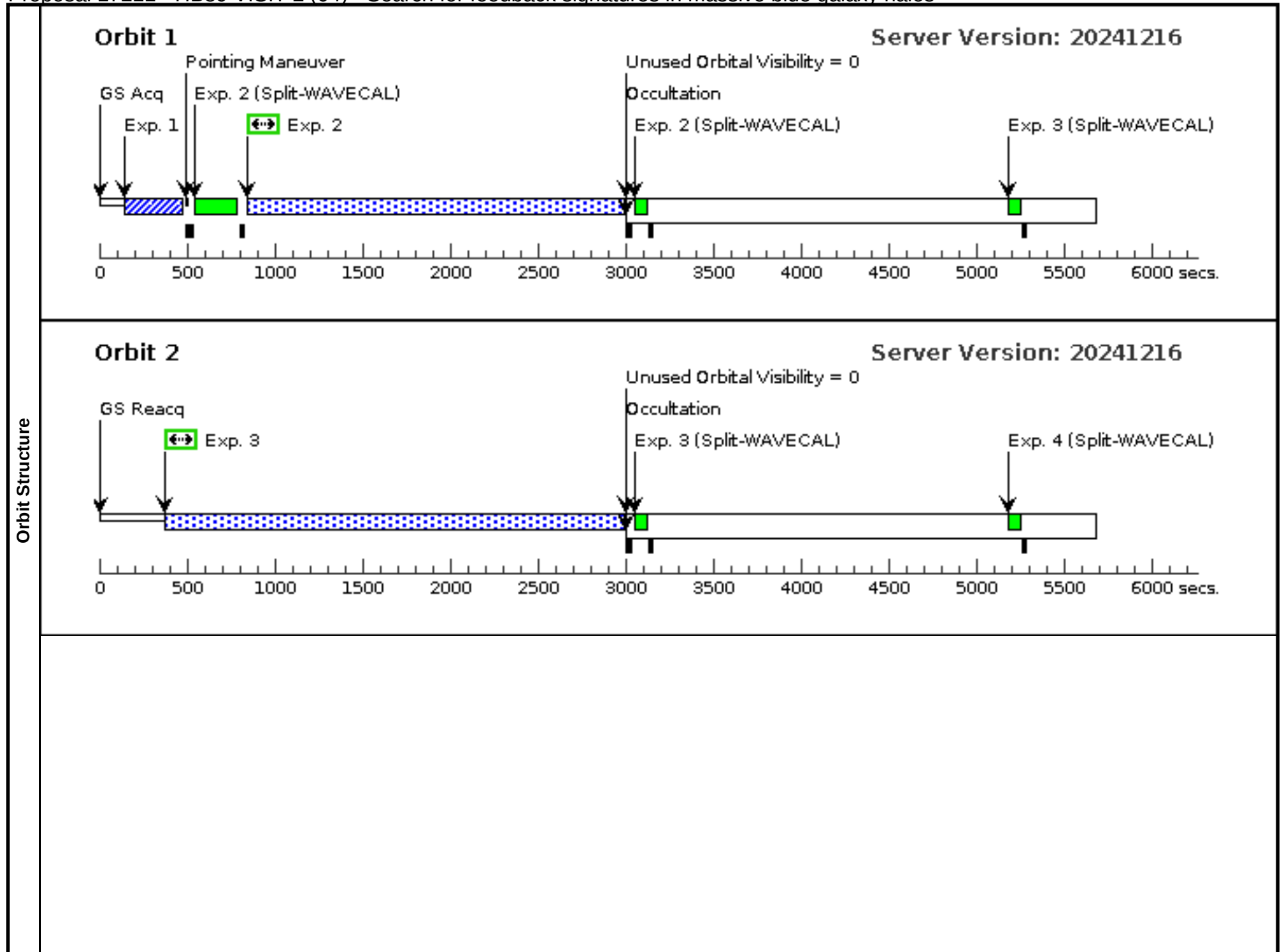


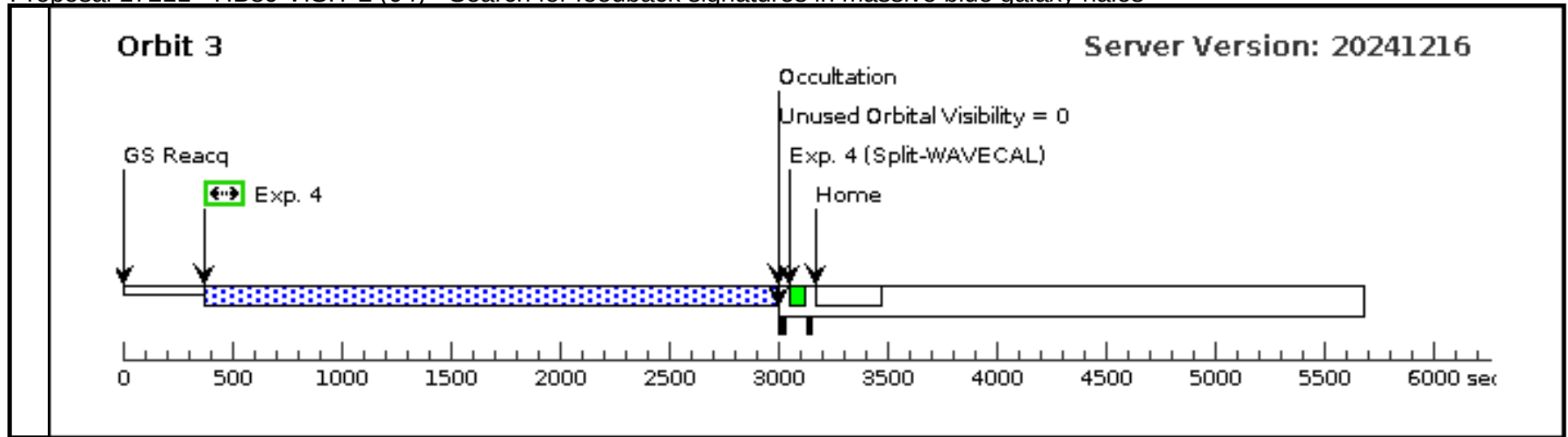
Proposal 17211 - HB89 VISIT 3 (repeat) (53) - Search for feedback signatures in massive blue galaxy halos

Visit	Proposal 17211, HB89 VISIT 3 (repeat) (53), completed										Mon Mar 17 16:00:39 GMT 2025
	Diagnostic Status: Warning										
	Scientific Instruments: COS/FUV, COS/NUV										
	Special Requirements: (none)										
Comments: Repeat visit of Visit 3. Only re-doing 1 orbit for G140L.											
Diagnostics	(HB89 VISIT 3 (repeat) (53)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions when observing at a given COS cenwave.										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(2)	HB89-0906+015	RA: 09 09 10.0920 (137.2920500d)				V=17.63 +/-0.02		Reference Frame: ICRS		
			Dec: +01 21 35.60 (1.35989d)				Galex_FUV = 18.39				
			Equinox: J2000								
Comments: This object was generated by the targetselector and retrieved from the NED database.											
Category=GALAXY											
Description=[ACCRETION DISK, QSO, 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	Acq (COS.ta.181 2967)	(2) HB89-0906+015	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				20 Secs (20 Secs)		
									[>=>]		[1]
	2	G140L/FP1 (COS.sp.181 2968)	(2) HB89-0906+015	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=12 500;			1100 Secs (1038 Secs)		
						FP-POS=1;			[>=>1038.0 Secs]		[1]
						SEGMENT=BOTH					
	3	G140L/FP2 (COS.sp.181 2968)	(2) HB89-0906+015	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=12 500;			1185 Secs (1123 Secs)		
					FP-POS=2;			[>=>1123.0 Secs]		[1]	
					SEGMENT=BOTH						
Orbit Structure	Orbit 1 Server Version: 20241216 Unused Orbital Visibility = 0 GS Acq Exp. 1 Pointing Maneuver Exp. 2 Exp. 3 Occultation Home 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec										

Proposal 17211 - HB89 VISIT 2 (04) - Search for feedback signatures in massive blue galaxy halos

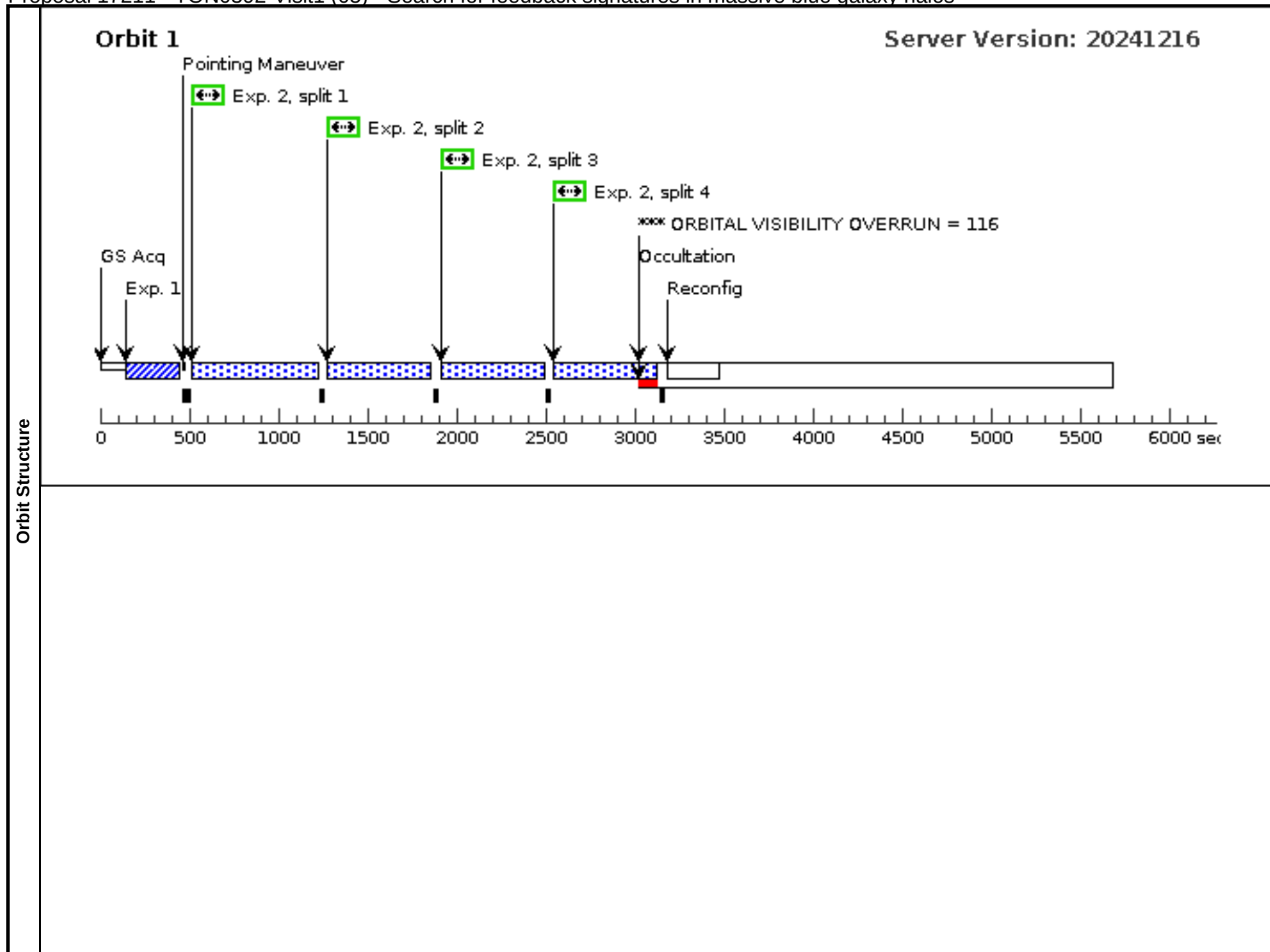
Visit	Proposal 17211, HB89 VISIT 2 (04), completed										Mon Mar 17 16:00:39 GMT 2025	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: COS/FUV, COS/NUV											
	Special Requirements: (none)											
	Comments: 3 orbits of G160M											
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes		Miscellaneous			
	(2)	HB89-0906+015	RA: 09 09 10.0920 (137.2920500d) Dec: +01 21 35.60 (1.35989d) Equinox: J2000				V=17.63 +/-0.02 Gallex_FUV = 18.39		Reference Frame: ICRS			
	Comments: This object was generated by the targetselector and retrieved from the NED database.											
	Category=GALAXY											
	Description=[ACCRETION DISK, QSO, 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	Acq (COS.ta.181 2967)	(2) HB89-0906+015	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				20 Secs (20 Secs)			
										[==>]	[1]	
	2	G160M/FP1 (COS.sp.181 2974)	(2) HB89-0906+015	COS/FUV, TIME-TAG, PSA	G160M 1533 A	BUFFER-TIME=13 300; FP-POS=1; SEGMENT=BOTH				2223 Secs (2099 Secs)		
										[==>2099.0 Secs]	[1]	
	3	G160M/FP2 (COS.sp.181 2974)	(2) HB89-0906+015	COS/FUV, TIME-TAG, PSA	G160M 1533 A	BUFFER-TIME=13 300; FP-POS=2; SEGMENT=BOTH				2690 Secs (2565 Secs)		
										[==>2565.0 Secs]	[2]	
	4	G160M/FP3 (COS.sp.181 2974)	(2) HB89-0906+015	COS/FUV, TIME-TAG, PSA	G160M 1533 A	BUFFER-TIME=13 300; FP-POS=3; SEGMENT=BOTH				2690 Secs (2565 Secs)		
										[==>2565.0 Secs]	[3]	

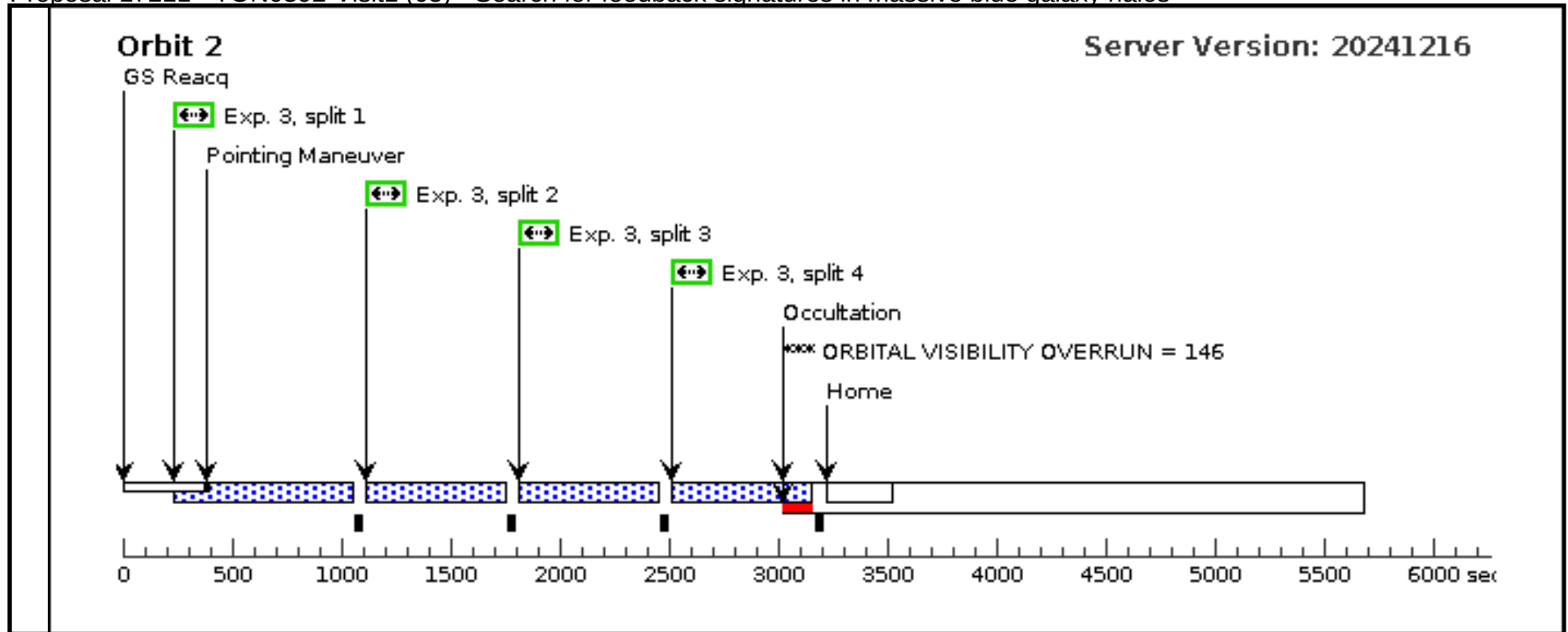




Proposal 17211 - TON0392-Visit1 (05) - Search for feedback signatures in massive blue galaxy halos

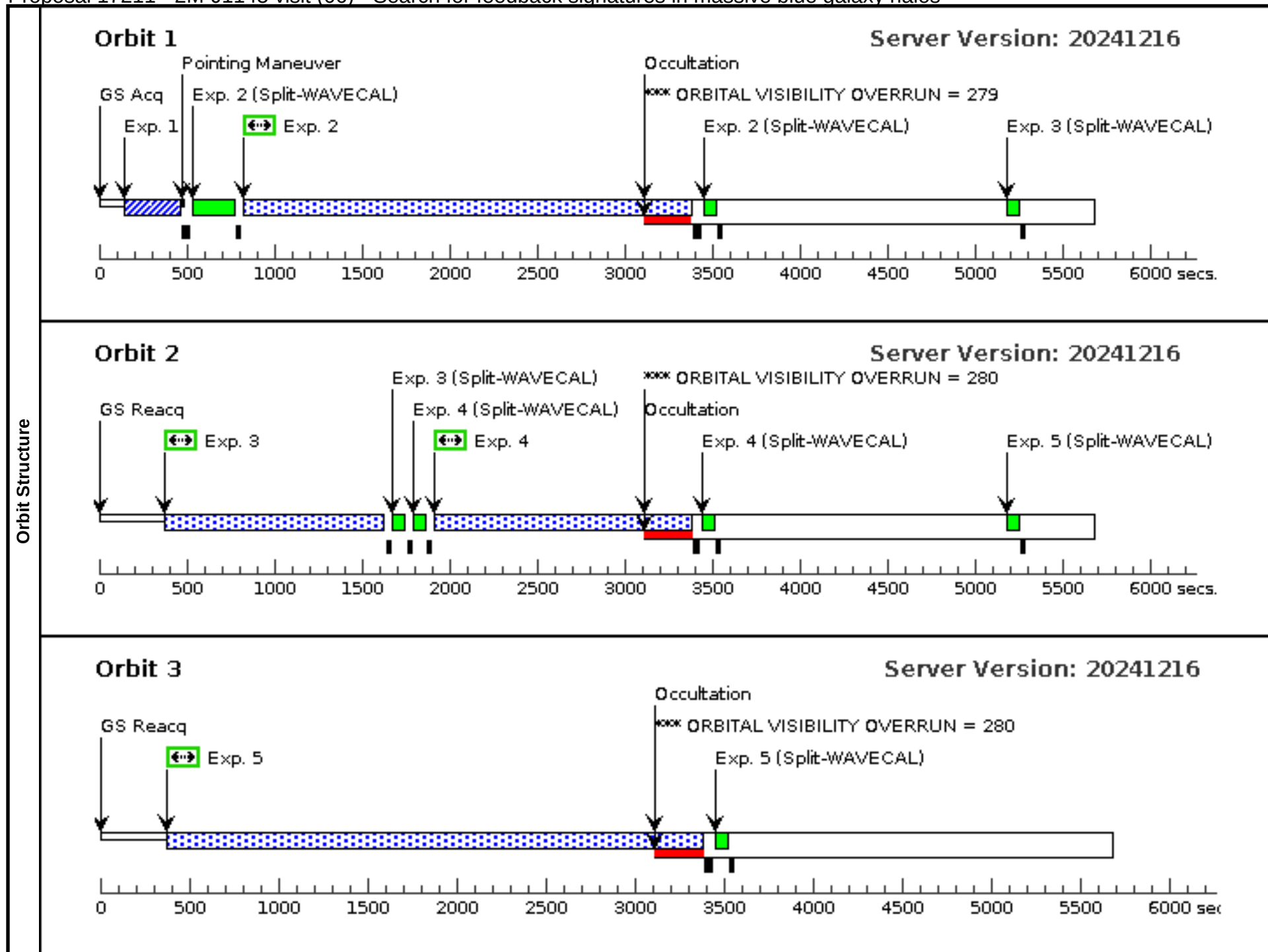
Visit	Proposal 17211, TON0392-Visit1 (05), completed									Mon Mar 17 16:00:39 GMT 2025
	Diagnostic Status: Warning									
	Scientific Instruments: COS/FUV, COS/NUV									
	Special Requirements: (none)									
Comments: TON0392 visit for G140L and G130M										
Diagnostics	(TON0392-Visit1 (05)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
	(TON0392-Visit1 (05)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes		Miscellaneous	
	(3)	TON-0392	RA: 09 12 17.7480 (138.0739500d)				V=16.1+/-0.02		Reference Frame: ICRS	
			Dec: +24 50 37.93 (24.84387d)				Gallex_FUV = 16.91			
			Equinox: J2000							
	Comments: This object was generated by the targetselector and retrieved from the NED database. Category=GALAXY Description=[ACCRETION DISK, QSO, 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	Acq (COS.ta.181 2975)	(3) TON-0392	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				5 Secs (5 Secs)	
									[==>]	[1]
	2	G140L/FP3 (COS.sp.181 2977)	(3) TON-0392	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=62 50; FP-POS=ALL; SEGMENT=BOTH			600 Secs (2120 Secs)	
									[==>530.0 Secs (Split 1)] [==>530.0 Secs (Split 2)] [==>530.0 Secs (Split 3)] [==>530.0 Secs (Split 4)]	[1]
	3	G130M/FP4 (COS.sp.181 2978)	(3) TON-0392	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=30 00; FP-POS=ALL; SEGMENT=A			600 Secs (2354 Secs)	
								[==>588.0 Secs (Split 1)] [==>588.0 Secs (Split 2)] [==>588.0 Secs (Split 3)] [==>590.0 Secs (Split 4)]	[2]	

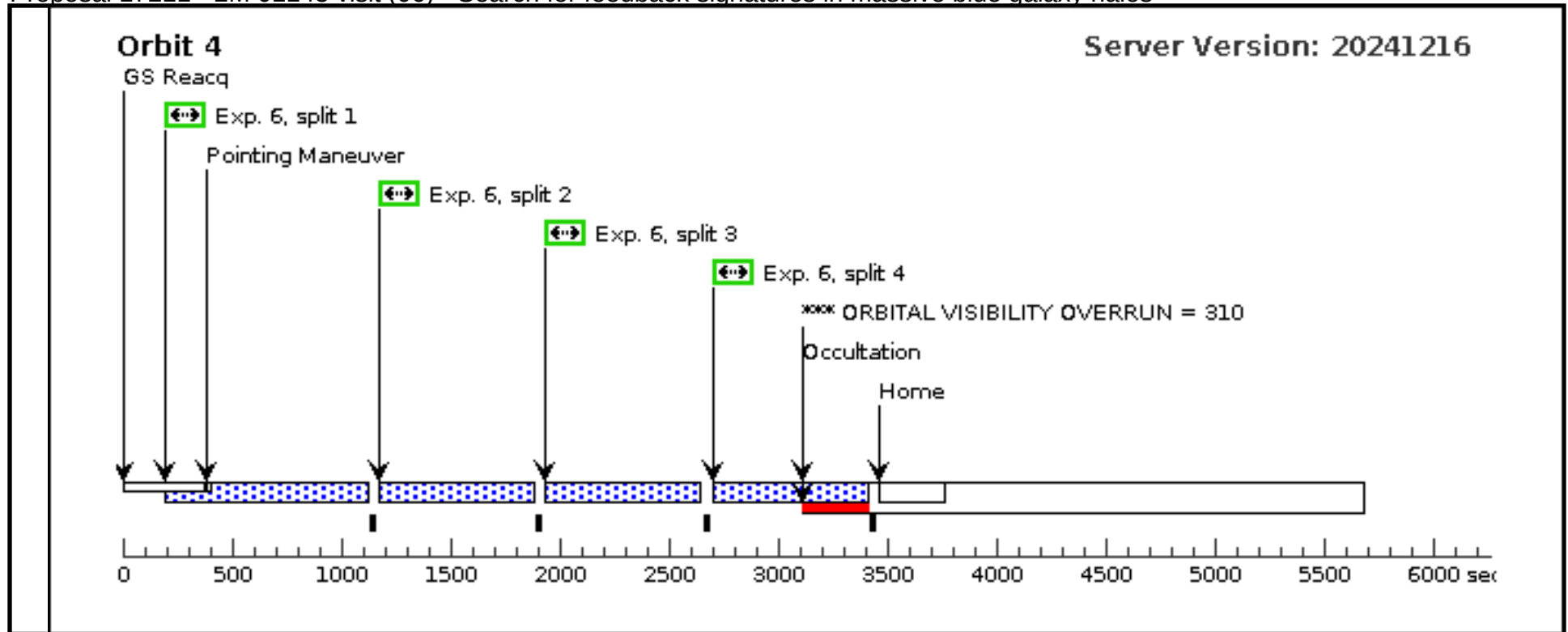




Proposal 17211 - 2M-J1145 visit (06) - Search for feedback signatures in massive blue galaxy halos

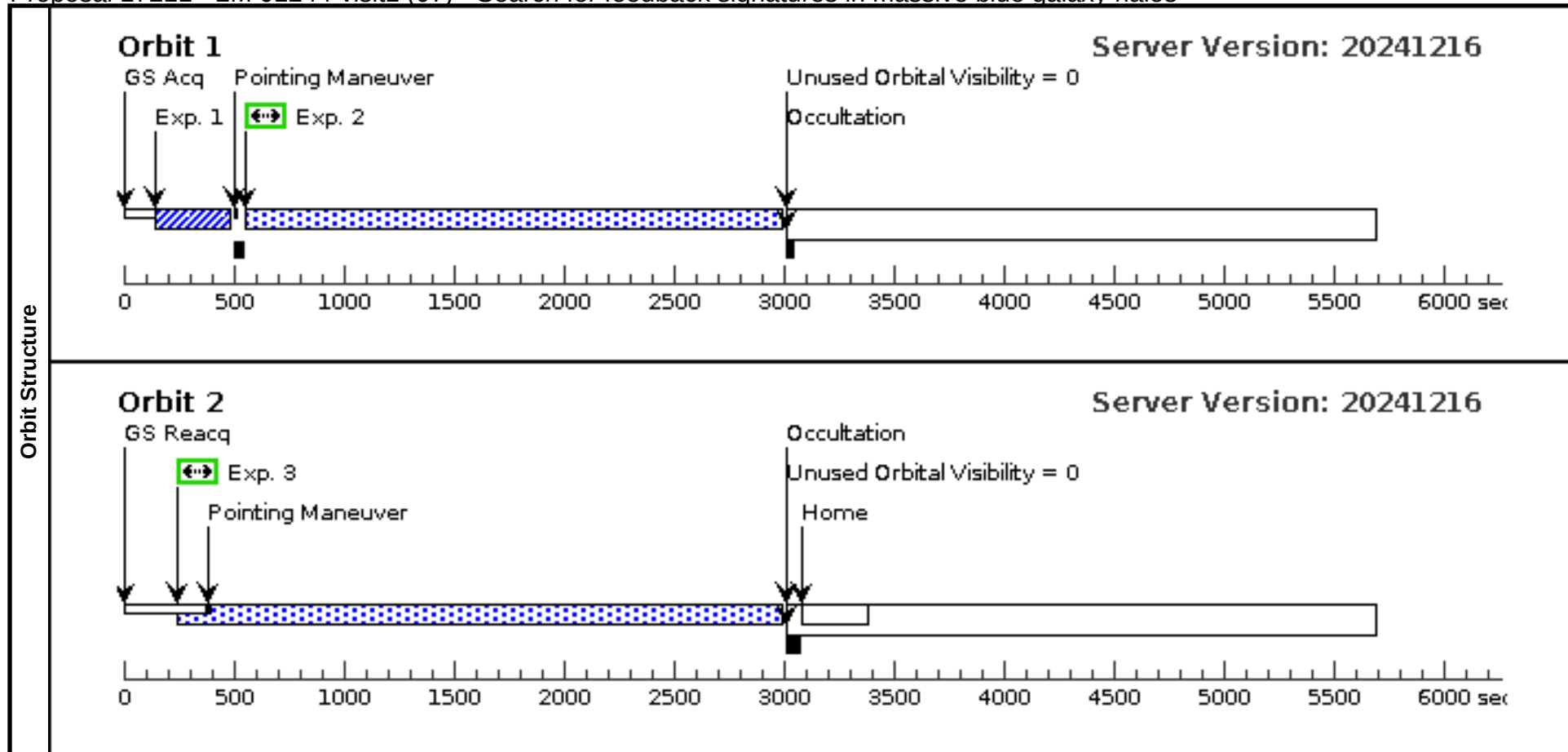
Visit	Proposal 17211, 2M-J1145 visit (06), completed								Mon Mar 17 16:00:40 GMT 2025	
	Diagnostic Status: Warning									
	Scientific Instruments: COS/FUV, COS/NUV									
	Special Requirements: (none)									
Comments: 1 orbit G140L and 3 orbit G160M										
Diagnostics	(2M-J1145 visit (06)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
	(2M-J1145 visit (06)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
	(2M-J1145 visit (06)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
	(2M-J1145 visit (06)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(4)	2MASS-J11455219+6206336	RA: 11 45 52.1856 (176.4674400d) Dec: +62 06 33.70 (62.10936d) Equinox: J2000			V=17.19+/-0.02 Galex_FUV = 17.97		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the NED database.									
	Category=GALAXY Description=[ACCRETION DISK, QSO, 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	Acq (COS.ta.181 2979)	(4) 2MASS-J114552 19+6206336	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				13 Secs (13 Secs) [==>]	[1]
	2	G160M/FP1 (COS.sp.181 2988)	(4) 2MASS-J114552 19+6206336	COS/FUV, TIME-TAG, PSA	G160M 1533 A	BUFFER-TIME=11 200; FP-POS=1; SEGMENT=BOTH			2506 Secs (2506 Secs) [==>]	[1]
	3	G160M/FP2 (COS.sp.181 2988)	(4) 2MASS-J114552 19+6206336	COS/FUV, TIME-TAG, PSA	G160M 1533 A	BUFFER-TIME=11 200; FP-POS=2; SEGMENT=BOTH			1200 Secs (1200 Secs) [==>]	[2]
	4	G160M/FP3 (COS.sp.181 2988)	(4) 2MASS-J114552 19+6206336	COS/FUV, TIME-TAG, PSA	G160M 1533 A	BUFFER-TIME=11 200; FP-POS=3; SEGMENT=BOTH			1417 Secs (1417 Secs) [==>]	[2]
	5	G160M/FP4 (COS.sp.181 2988)	(4) 2MASS-J114552 19+6206336	COS/FUV, TIME-TAG, PSA	G160M 1533 A	BUFFER-TIME=11 200; FP-POS=4; SEGMENT=BOTH			2959 Secs (2959 Secs) [==>]	[3]
	6	G140L/FP-All (COS.sp.181 2982)	(4) 2MASS-J114552 19+6206336	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=10 800; FP-POS=ALL; SEGMENT=BOTH			659 Secs (2638 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>661.0 Secs (Split 4)]	[4]





Proposal 17211 - 2M-J1244-visit1 (07) - Search for feedback signatures in massive blue galaxy halos

Visit	Proposal 17211, 2M-J1244-visit1 (07), failed										Mon Mar 17 16:00:40 GMT 2025
	Diagnostic Status: Warning										
	Scientific Instruments: COS/FUV, COS/NUV										
	Special Requirements: (none)										
Comments: G140L 1 orbit and G130M 1 orbit											
Diagnostics	(2M-J1244-visit1 (07)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions when observing at a given COS cenwave.										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes		Miscellaneous		
	(5)	2MASS-J12444532+0755144	RA: 12 44 45.3024 (191.1887600d) Dec: +07 55 14.74 (7.92076d) Equinox: J2000				V=18.29+/-0.02 Galex_FUV = 18.66		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the NED database.										
	Category=GALAXY Description=[ACCRETION DISK, QSO, 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	Acq (COS.ta.181 2993)	(5) 2MASS-J124445 32+0755144	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				25 Secs (25 Secs)		
									[>=>]		[1]
	2	G140L/FP1 (COS.sp.181 2996)	(5) 2MASS-J124445 32+0755144	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=12000; FP-POS=1; SEGMENT=BOTH			2383 Secs (2261 Secs)		
									[>=>2261.0 Secs]		[1]
	3	G130M/FP3 (COS.sp.181 2999)	(5) 2MASS-J124445 32+0755144	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=4800; FP-POS=3; SEGMENT=BOTH			2687 Secs (2535 Secs)		
								[>=>2535.0 Secs]		[2]	

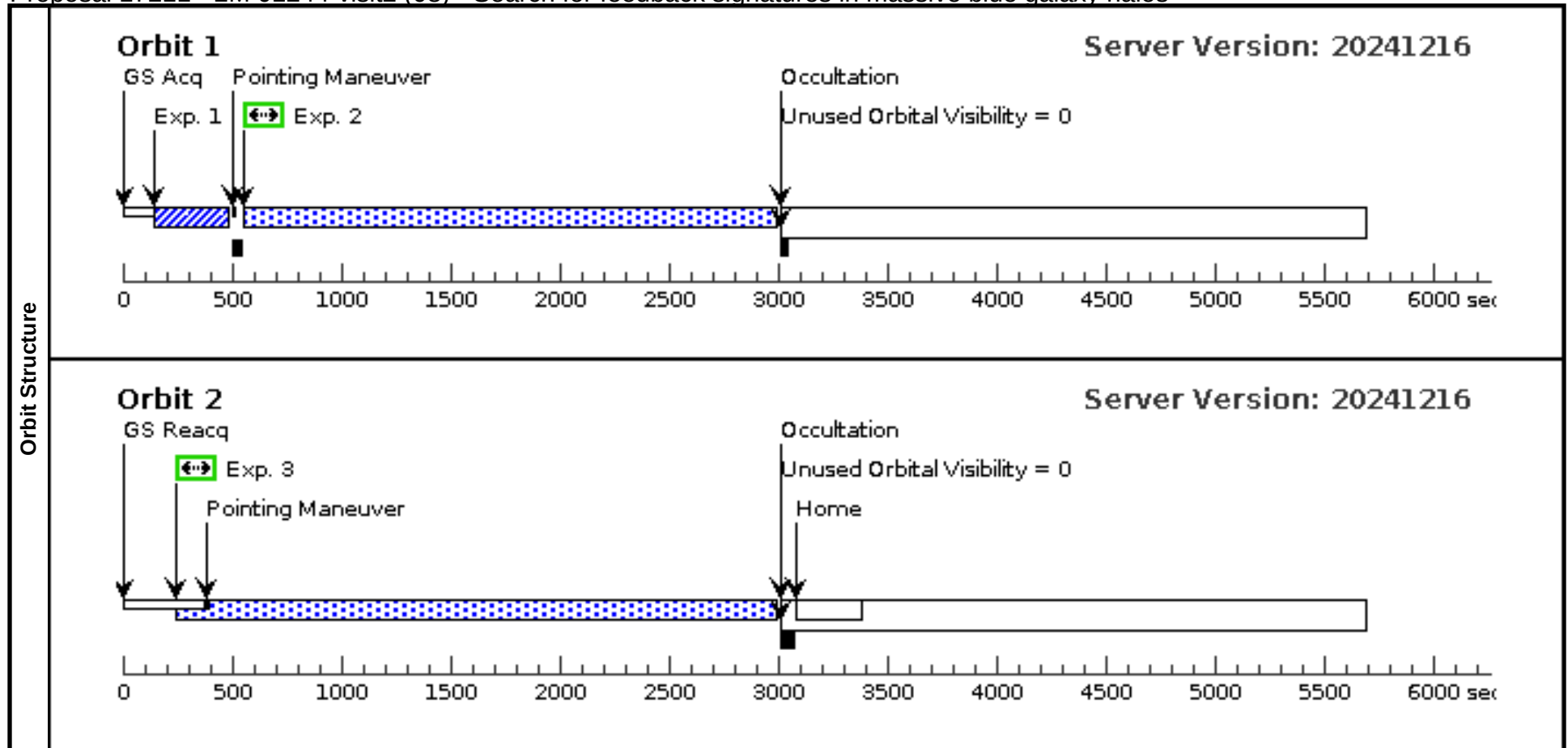


Proposal 17211 - 2M-J1244-visit1 (54) - Search for feedback signatures in massive blue galaxy halos

Visit	Proposal 17211, 2M-J1244-visit1 (54)										Mon Mar 17 16:00:40 GMT 2025
	Diagnostic Status: Warning										
	Scientific Instruments: COS/FUV, COS/NUV										
	Special Requirements: (none)										
Comments: G140L 1 orbit and G130M 1 orbit Repeat of orbit 1 of visit 7											
Diagnostics	(2M-J1244-visit1 (54)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions when observing at a given COS cenwave.										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(5)	2MASS-J12444532+0755144	RA: 12 44 45.3024 (191.1887600d) Dec: +07 55 14.74 (7.92076d) Equinox: J2000				V=18.29+/-0.02 Galex_FUV = 18.66		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the NED database.										
	Category=GALAXY Description=[ACCRETION DISK, QSO, 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	Acq (COS.ta.181 2993)	(5) 2MASS-J124445 32+0755144	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				25 Secs (25 Secs) [==>]		[1]
	2	G140L/FP1 (COS.sp.181 2996)	(5) 2MASS-J124445 32+0755144	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=12 000; FP-POS=1; SEGMENT=BOTH			2383 Secs (2261 Secs) [==>2261.0 Secs]		[1]
Orbit Structure	Orbit 1 Server Version: 20241216 GS Acq Exp. 1 Pointing Maneuver Exp. 2 Occultation Unused Orbital Visibility = 0 Home </										

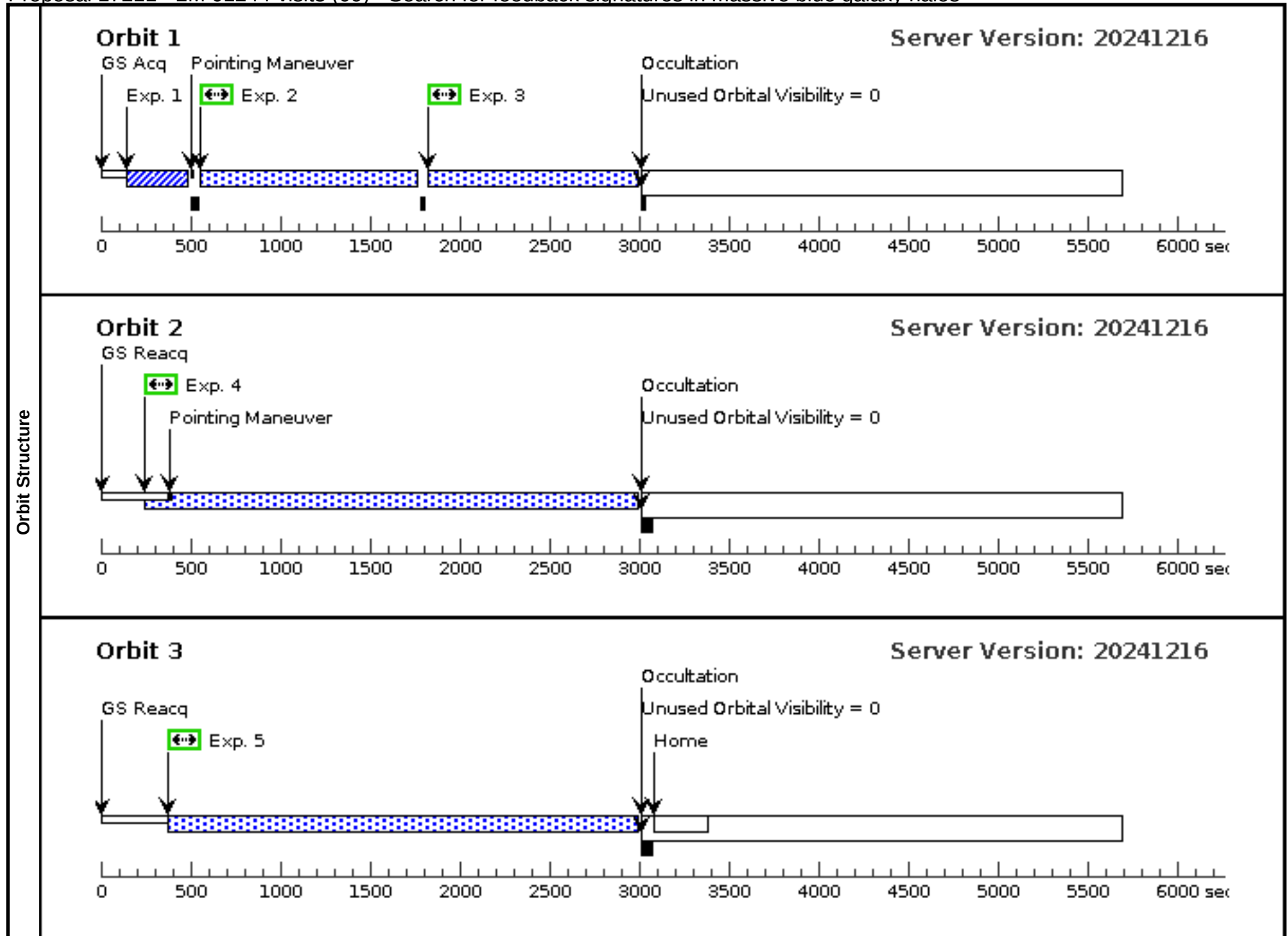
Proposal 17211 - 2M-J1244-visit2 (08) - Search for feedback signatures in massive blue galaxy halos

Visit	Proposal 17211, 2M-J1244-visit2 (08), completed										Mon Mar 17 16:00:40 GMT 2025			
	Diagnostic Status: Warning													
	Scientific Instruments: COS/FUV, COS/NUV													
	Special Requirements: (none)													
Comments: G140L 1 orbit and G130M 1 orbit														
Diagnostics	(2M-J1244-visit2 (08)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions when observing at a given COS cenwave.													
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes		Miscellaneous					
	(5)	2MASS-J12444532+0755144	RA: 12 44 45.3024 (191.1887600d) Dec: +07 55 14.74 (7.92076d) Equinox: J2000				V=18.29+/-0.02 Galex_FUV = 18.66		Reference Frame: ICRS					
	Comments: This object was generated by the targetselector and retrieved from the NED database.													
	Category=GALAXY Description=[ACCRETION DISK, QSO, 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	Acq (COS.ta.181 2993)	(5) 2MASS-J124445 32+0755144	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				25 Secs (25 Secs)					
									[==>]		[1]			
	2	G140L/FP2 (COS.sp.181 2996)	(5) 2MASS-J124445 32+0755144	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=12000; FP-POS=2; SEGMENT=BOTH			2383 Secs (2261 Secs)					
									[==>2261.0 Secs]		[1]			
	3	G130M/FP3 (COS.sp.181 2999)	(5) 2MASS-J124445 32+0755144	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=4800; FP-POS=3; SEGMENT=BOTH			2687 Secs (2535 Secs)					
									[==>2535.0 Secs]		[2]			



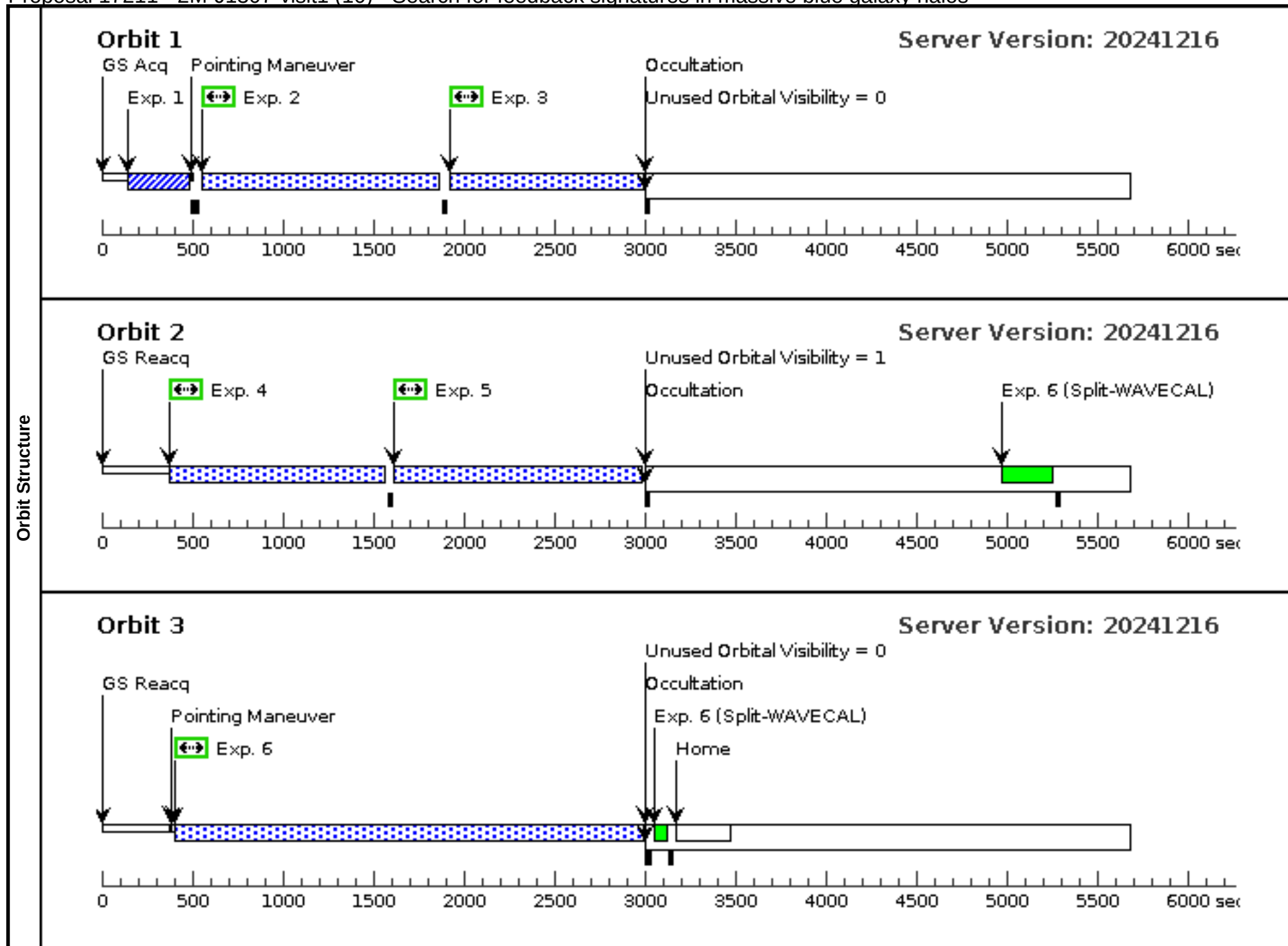
Proposal 17211 - 2M-J1244-visit3 (09) - Search for feedback signatures in massive blue galaxy halos

Visit	Proposal 17211, 2M-J1244-visit3 (09), completed								Mon Mar 17 16:00:40 GMT 2025	
	Diagnostic Status: Warning									
	Scientific Instruments: COS/FUV, COS/NUV									
	Special Requirements: (none)									
Comments: G140L 1 and G130M 1 orbit										
Diagnos	(2M-J1244-visit3 (09)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions when observing at a given COS cenwave.									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(5)	2MASS-J12444532+0755144	RA: 12 44 45.3024 (191.1887600d) Dec: +07 55 14.74 (7.92076d) Equinox: J2000			V=18.29+/-0.02 Galex_FUV = 18.66		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the NED database.									
	Category=GALAXY Description=[ACCRETION DISK, QSO, 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	Acq (COS.ta.181 2993)	(5) 2MASS-J124445 32+0755144	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				25 Secs (25 Secs) [==>]	[1]
	2	G140L/FP3 (COS.sp.181 2996)	(5) 2MASS-J124445 32+0755144	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=12 000; FP-POS=3; SEGMENT=BOTH			1100 Secs (1039 Secs) [==>1039.0 Secs]	[1]
	3	G140L/FP4 (COS.sp.181 2996)	(5) 2MASS-J124445 32+0755144	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=12 000; FP-POS=4; SEGMENT=BOTH			1178 Secs (1117 Secs) [==>1117.0 Secs]	[1]
	4	G130M/FP3 (COS.sp.181 2999)	(5) 2MASS-J124445 32+0755144	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=48 00; FP-POS=3; SEGMENT=BOTH			2687 Secs (2535 Secs) [==>2535.0 Secs]	[2]
	5	G130M/FP4 (COS.sp.181 2999)	(5) 2MASS-J124445 32+0755144	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=48 00; FP-POS=4; SEGMENT=BOTH			2689 Secs (2566 Secs) [==>2566.0 Secs]	[3]



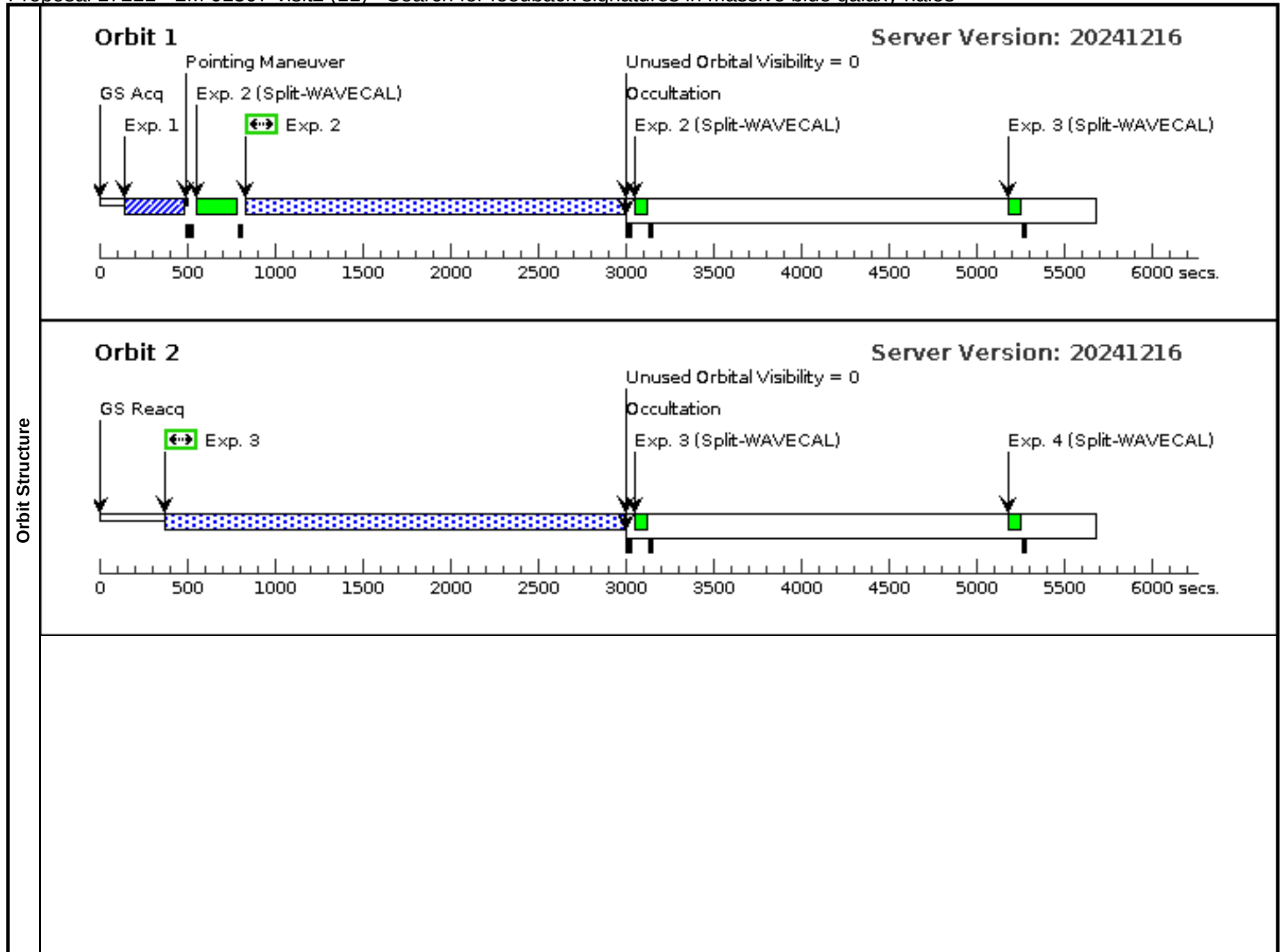
Proposal 17211 - 2M-J1307-visit1 (10) - Search for feedback signatures in massive blue galaxy halos

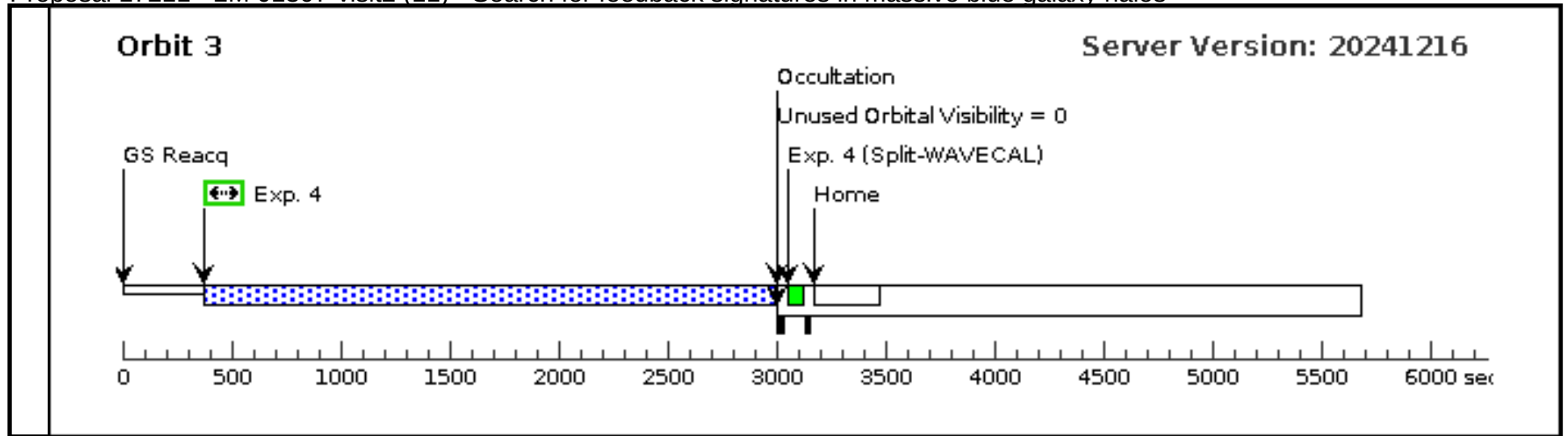
Visit	Proposal 17211, 2M-J1307-visit1 (10), completed										Mon Mar 17 16:00:40 GMT 2025	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: COS/FUV, COS/NUV											
	Special Requirements: (none)											
Comments: G140L 2 and G160M 1 orbit												
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes		Miscellaneous			
	(6)	2MASS-J13075426+0044222	RA: 13 07 54.2712 (196.9761300d) Dec: +00 44 22.06 (.73946d) Equinox: J2000				V=17.66+/-0.02 Galex_FUV = 18.56		Reference Frame: ICRS			
	Comments: This object was generated by the targetselector and retrieved from the NED database.											
	Category=GALAXY Description=[ACCRETION DISK, QSO, 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	Acq (COS.ta.181 3002)	(6) 2MASS-J130754 26+0044222	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				23 Secs (23 Secs)			
									[==>]		[1]	
	2	G140L/FP1 (COS.sp.181 3008)	(6) 2MASS-J130754 26+0044222	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=13 000; FP-POS=1; SEGMENT=BOTH				1200 Secs (1138 Secs)		
									[==>1138.0 Secs]		[1]	
	3	G140L/FP2 (COS.sp.181 3008)	(6) 2MASS-J130754 26+0044222	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=13 000; FP-POS=2; SEGMENT=BOTH				1079 Secs (1017 Secs)		
									[==>1017.0 Secs]		[1]	
	4	G140L/FP3 (COS.sp.181 3008)	(6) 2MASS-J130754 26+0044222	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=13 000; FP-POS=3; SEGMENT=BOTH				1200 Secs (1137 Secs)		
									[==>1137.0 Secs]		[2]	
	5	G140L/FP4 (COS.sp.181 3008)	(6) 2MASS-J130754 26+0044222	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=13 000; FP-POS=4; SEGMENT=BOTH				1381 Secs (1318 Secs)		
									[==>1318.0 Secs]		[2]	
	6	G160M/FP4 (COS.sp.181 3009)	(6) 2MASS-J130754 26+0044222	COS/FUV, TIME-TAG, PSA	G160M 1533 A	BUFFER-TIME=13 800; FP-POS=4; SEGMENT=BOTH				2690 Secs (2535 Secs)		
								[==>2535.0 Secs]		[3]		



Proposal 17211 - 2M-J1307-visit2 (11) - Search for feedback signatures in massive blue galaxy halos

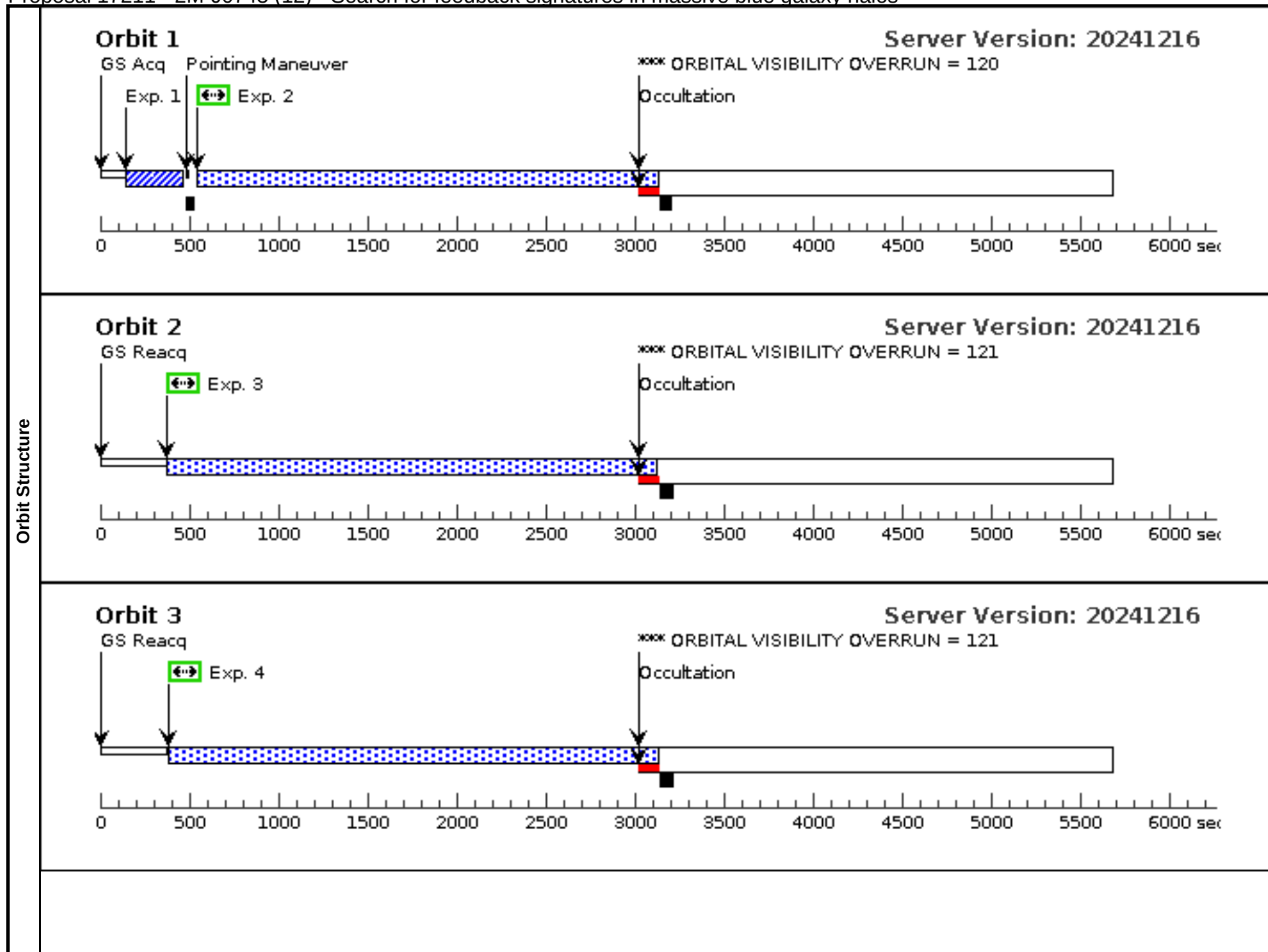
Visit	Proposal 17211, 2M-J1307-visit2 (11), completed										Mon Mar 17 16:00:40 GMT 2025
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: COS/FUV, COS/NUV										
	Special Requirements: (none)										
	Comments: G160M 3 orbits										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes	Miscellaneous			
	(6)	2MASS-J13075426+0044222	RA: 13 07 54.2712 (196.9761300d) Dec: +00 44 22.06 (.73946d) Equinox: J2000				V=17.66+/-0.02 Galex_FUV = 18.56	Reference Frame: ICRS			
	Comments: This object was generated by the targetselector and retrieved from the NED database.										
	Category=GALAXY										
	Description=[ACCRETION DISK, QSO, 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	Acq (COS.ta.181 3002)	(6) 2MASS-J130754 26+0044222	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				23 Secs (23 Secs)		
									[==>]		[1]
	2	G160M/FP1 (COS.sp.181 3009)	(6) 2MASS-J130754 26+0044222	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=13 800; FP-POS=1; SEGMENT=BOTH			2217 Secs (2105 Secs)		
									[==>2105.0 Secs]		[1]
	3	G160M/FP2 (COS.sp.181 3009)	(6) 2MASS-J130754 26+0044222	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=13 800; FP-POS=2; SEGMENT=BOTH			2690 Secs (2565 Secs)		
									[==>2565.0 Secs]		[2]
	4	G160M/FP3 (COS.sp.181 3009)	(6) 2MASS-J130754 26+0044222	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=13 800; FP-POS=3; SEGMENT=BOTH			2690 Secs (2565 Secs)		
									[==>2565.0 Secs]		[3]

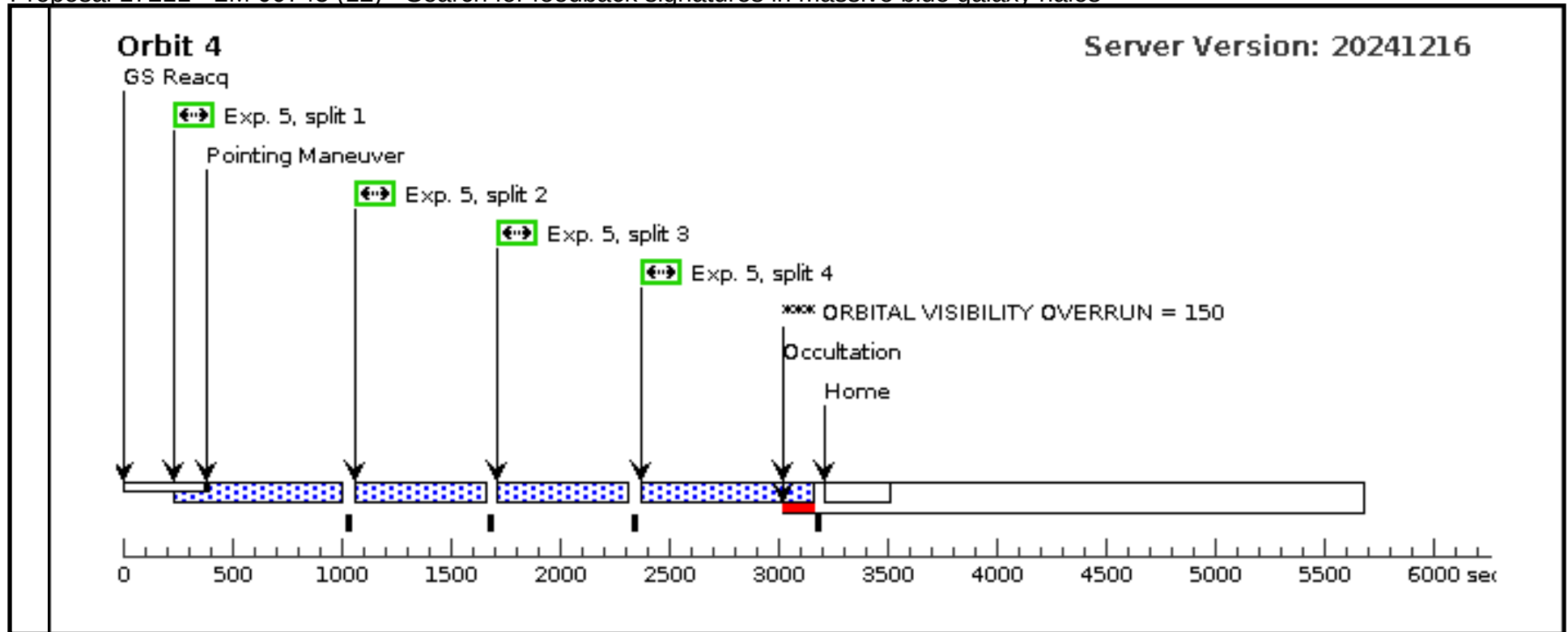




Proposal 17211 - 2M-J0745 (12) - Search for feedback signatures in massive blue galaxy halos

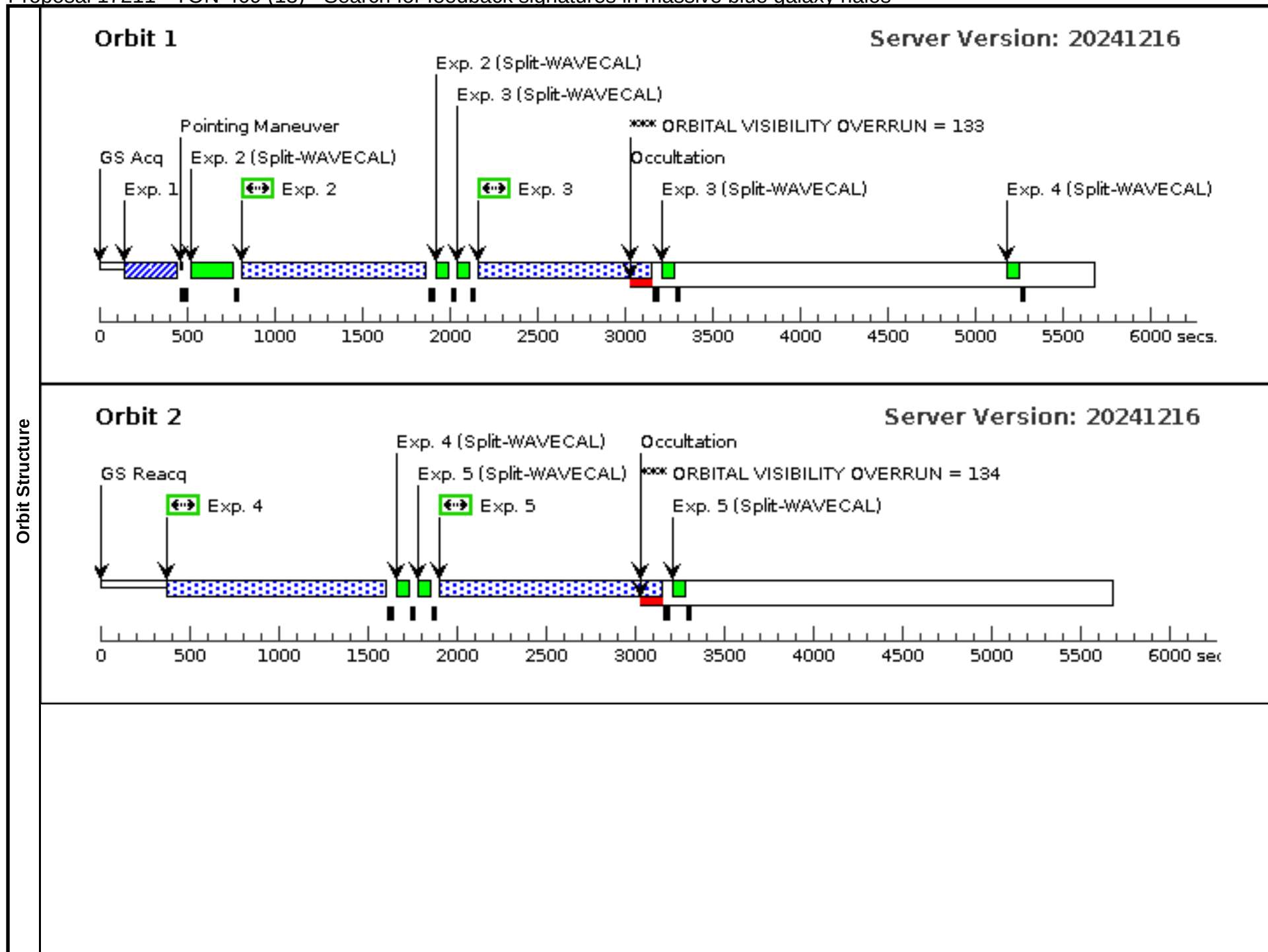
Visit	Proposal 17211, 2M-J0745 (12), completed										Mon Mar 17 16:00:40 GMT 2025	
	Diagnostic Status: Warning											
	Scientific Instruments: COS/FUV, COS/NUV											
	Special Requirements: (none)											
Comments: G140L 1 orbit and G130M 3 orbits												
Diagnostics	(2M-J0745 (12)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
	(2M-J0745 (12)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
	(2M-J0745 (12)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
	(2M-J0745 (12)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(7)	2MASS-J07452815+1919525	RA: 07 45 28.1424 (116.3672600d) Dec: +19 19 52.68 (19.33130d) Equinox: J2000					V=17.56+/-0.02 Galex_FUV = 18.13		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the NED database.											
	Category=GALAXY Description=[ACCRETION DISK, QSO, 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	Acq (COS.ta.181 3010)	(7) 2MASS-J074528 15+1919525	COS/NUV, ACQ/IMAGE, PSA		MIRRORB				16 Secs (16 Secs) [==>]		[1]
	2	G130M/FP3 (COS.sp.181 3014)	(7) 2MASS-J074528 15+1919525	COS/FUV, TIME-TAG, PSA		G130M 1291 A	BUFFER-TIME=44 00; FP-POS=3; SEGMENT=BOTH			2418 Secs (2418 Secs) [==>]		[1]
	3	G130M/FP4 (COS.sp.181 3014)	(7) 2MASS-J074528 15+1919525	COS/FUV, TIME-TAG, PSA		G130M 1291 A	BUFFER-TIME=44 00; FP-POS=4; SEGMENT=BOTH			2700 Secs (2700 Secs) [==>]		[2]
	4	G130M/FP4 (COS.sp.181 3014)	(7) 2MASS-J074528 15+1919525	COS/FUV, TIME-TAG, PSA		G130M 1291 A	BUFFER-TIME=44 00; FP-POS=4; SEGMENT=BOTH			2700 Secs (2700 Secs) [==>]		[3]
	5	G140L/FP-All (COS.sp.181 3013)	(7) 2MASS-J074528 15+1919525	COS/FUV, TIME-TAG, PSA		G140L 1280 A	BUFFER-TIME=11 200; FP-POS=ALL; SEGMENT=BOTH			549 Secs (2383 Secs) [==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>736.0 Secs (Split 4)]		[4]

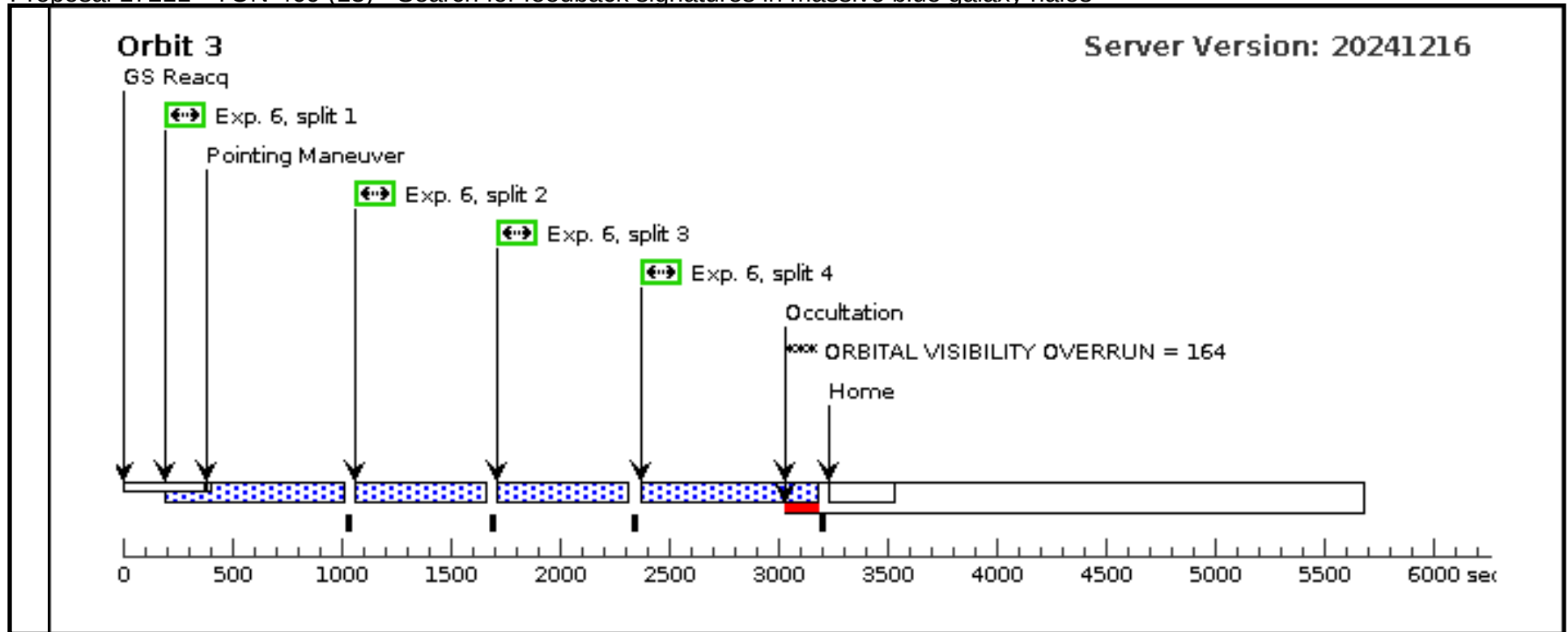




Proposal 17211 - TON-469 (13) - Search for feedback signatures in massive blue galaxy halos

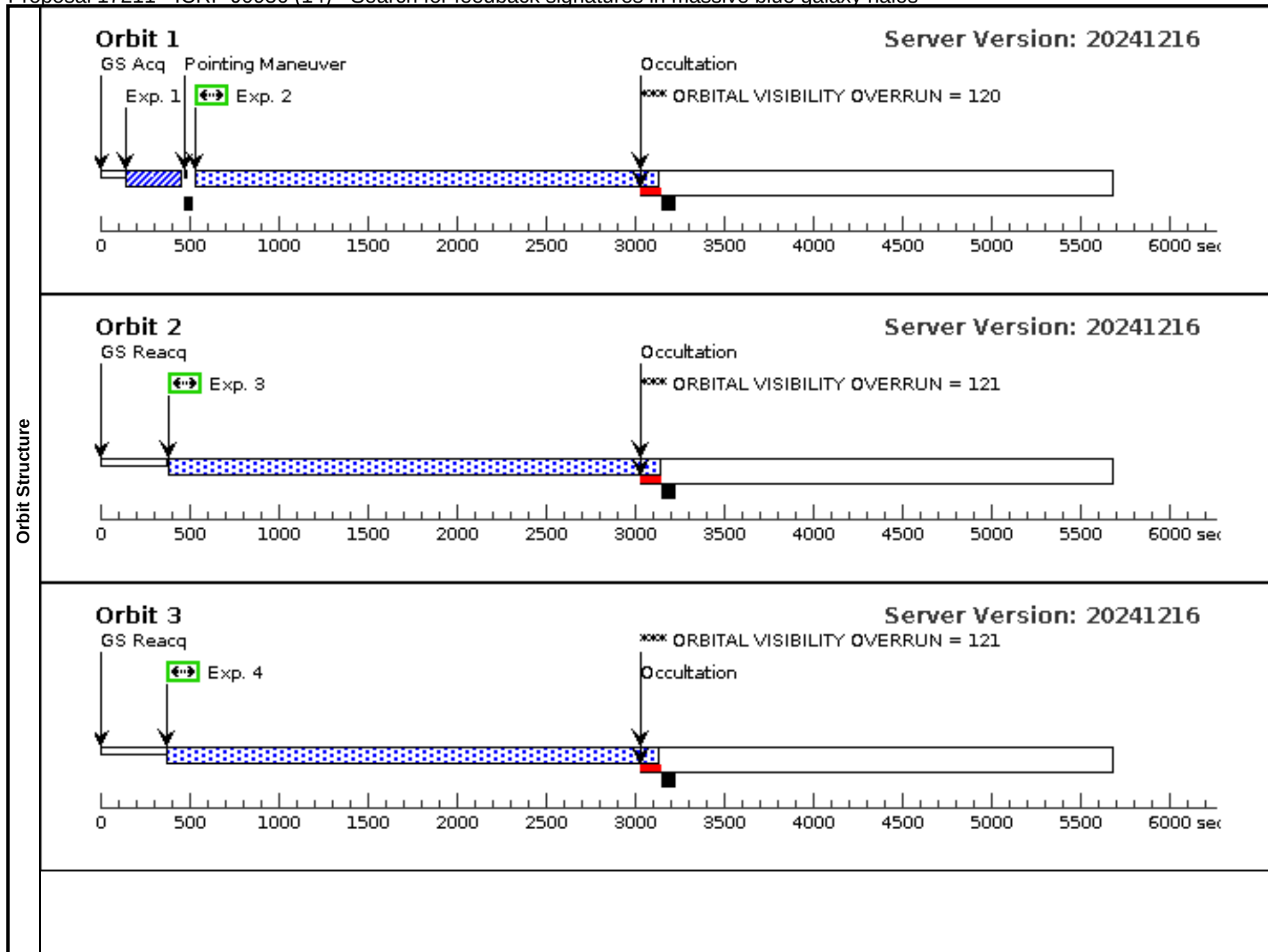
Visit	Proposal 17211, TON-469 (13), completed									Mon Mar 17 16:00:40 GMT 2025
	Diagnostic Status: Warning									
	Scientific Instruments: COS/FUV, COS/NUV									
	Special Requirements: (none)									
Comments: G140L 1 orbit and G160M 2 orbits										
Diagnostics	(TON-469 (13)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
	(TON-469 (13)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
	(TON-469 (13)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(8)	TON-469	RA: 09 58 20.9496 (149.5872900d) Dec: +32 24 2.21 (32.40061d) Equinox: J2000	Proper Motion RA: 1.500217200881361E-6 sec of time/yr Proper Motion Dec: 5.999999999999999E-5 arcsec/yr Epoch of Position: 2015.5	V=15.78+/-0.02 Galex_FUV= 17.26	Reference Frame: ICRS				
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.									
	Category=GALAXY Description=[ACCRETION DISK, QSO, 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	Acq (COS.ta.181 3016)	(8) TON-469	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				7 Secs (7 Secs)	
									[==>]	[1]
	2	G160M/FP1 (COS.sp.181 3029)	(8) TON-469	COS/FUV, TIME-TAG, PSA	G160M 1533 A	BUFFER-TIME=78 00; FP-POS=1; SEGMENT=BOTH			1000 Secs (1000 Secs)	
									[==>]	[1]
	3	G160M/FP2 (COS.sp.181 3029)	(8) TON-469	COS/FUV, TIME-TAG, PSA	G160M 1533 A	BUFFER-TIME=78 00; FP-POS=2; SEGMENT=BOTH			935 Secs (935 Secs)	
									[==>]	[1]
	4	G160M/FP3 (COS.sp.181 3029)	(8) TON-469	COS/FUV, TIME-TAG, PSA	G160M 1533 A	BUFFER-TIME=78 00; FP-POS=3; SEGMENT=BOTH			1176 Secs (1176 Secs)	
									[==>]	[2]
	5	G160M/FP4 (COS.sp.181 3029)	(8) TON-469	COS/FUV, TIME-TAG, PSA	G160M 1533 A	BUFFER-TIME=78 00; FP-POS=4; SEGMENT=BOTH			1200 Secs (1200 Secs)	
									[==>]	[2]
	6	G140L/FP-All (COS.sp.181 3025)	(8) TON-469	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=76 00; FP-POS=ALL; SEGMENT=BOTH			550 Secs (2407 Secs)	
									[==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>757.0 Secs (Split 4)]	[3]

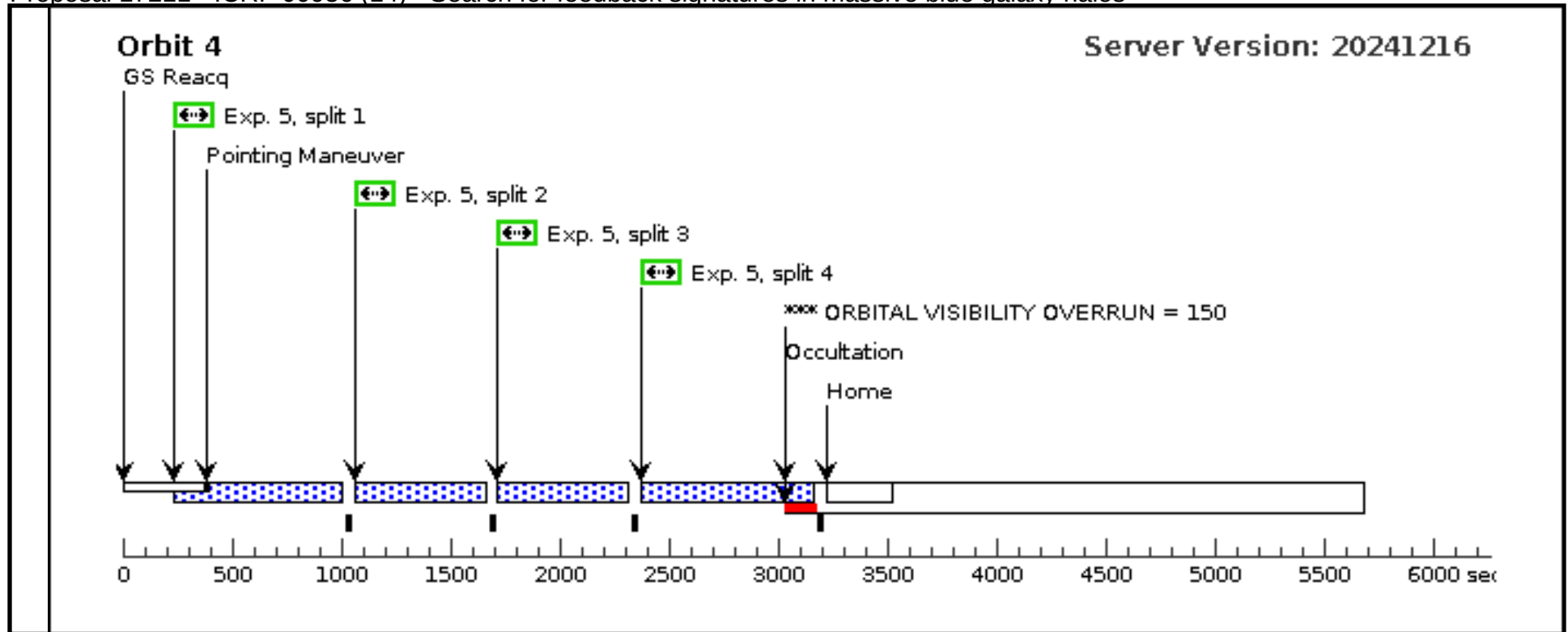




Proposal 17211 - ICRF-J0956 (14) - Search for feedback signatures in massive blue galaxy halos

Visit	Proposal 17211, ICRF-J0956 (14), failed										Mon Mar 17 16:00:40 GMT 2025
	Diagnostic Status: Warning										
	Scientific Instruments: COS/FUV, COS/NUV										
	Special Requirements: (none)										
Comments: G140L 1 orbit and G130M 3 orbits											
Diagnostics	(ICRF-J0956 (14)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
	(ICRF-J0956 (14)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
	(ICRF-J0956 (14)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
	(ICRF-J0956 (14)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(9)	ICRF-J095649.8+251516	RA: 09 56 49.8754 (149.2078142d) Dec: +25 15 16.05 (25.25446d) Equinox: J2000		Proper Motion RA: -1.83542648378805E-5 sec of time/yr Proper Motion Dec: 3.8E-5 arcsec/yr Epoch of Position: 2015.5		V=17.21+/-0.02 Galex_FUV = 17.79		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.										
	Category=GALAXY Description=[ACCRETION DISK, QSO, 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	Acq (COS.ta.181 3030)	(9) ICRF-J095649.8 +251516	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				12 Secs (12 Secs)		
									[==>]		[1]
	2	G130M/FP3 (COS.sp.181 3033)	(9) ICRF-J095649.8 +251516	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=42 00; FP-POS=3; SEGMENT=BOTH			2435 Secs (2435 Secs)		
									[==>]		[1]
	3	G130M/FP3 (COS.sp.181 3033)	(9) ICRF-J095649.8 +251516	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=42 00; FP-POS=3; SEGMENT=BOTH			2709 Secs (2709 Secs)		
									[==>]		[2]
	4	G130M/FP4 (COS.sp.181 3033)	(9) ICRF-J095649.8 +251516	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=42 00; FP-POS=4; SEGMENT=BOTH			2709 Secs (2709 Secs)		
									[==>]		[3]
	5	G140L/FP-All (COS.sp.181 3031)	(9) ICRF-J095649.8 +251516	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=99 00; FP-POS=ALL; SEGMENT=BOTH			550 Secs (2392 Secs)		
									[==>(Split 1)]		
									[==>(Split 2)]		
									[==>(Split 3)]		
									[==>742.0 Secs (Split 4)]		[4]



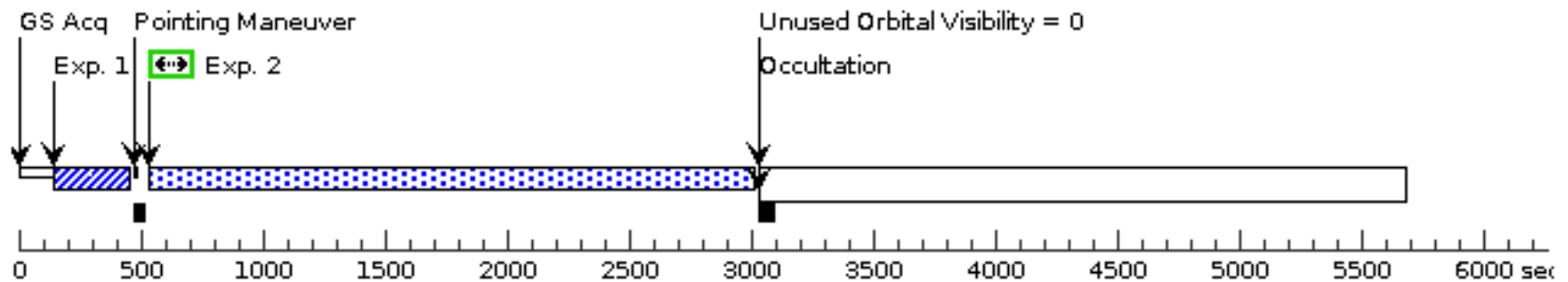


Proposal 17211 - ICRF-J0956 (52) - Search for feedback signatures in massive blue galaxy halos

Visit	Proposal 17211, ICRF-J0956 (52), completed										Mon Mar 17 16:00:40 GMT 2025
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: COS/FUV, COS/NUV										
	Special Requirements: (none)										
	Comments: G140L 1 orbit and G130M 2 orbits/HOPR for visit 14										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes		Miscellaneous		
	(9)	ICRF-J095649.8+251516	RA: 09 56 49.8754 (149.2078142d) Dec: +25 15 16.05 (25.25446d) Equinox: J2000	Proper Motion RA: -1.83542648378805E-5 sec of time/yr Proper Motion Dec: 3.8E-5 arcsec/yr Epoch of Position: 2015.5			V=17.21+/-0.02 Galex_FUV = 17.79		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.										
	Category=GALAXY										
	Description=[ACCRETION DISK, QSO, 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	Acq (COS.ta.181 3030)	(9) ICRF-J095649.8 +251516	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				12 Secs (12 Secs)		
									[==>]		[1]
	2	G130M/FP3 (COS.sp.181 3033)	(9) ICRF-J095649.8 +251516	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=42 00; FP-POS=3; SEGMENT=BOTH			2364 Secs (2315 Secs)		
									[==>2315.0 Secs]		[1]
	3	G130M/FP4 (COS.sp.181 3033)	(9) ICRF-J095649.8 +251516	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=42 00; FP-POS=4; SEGMENT=BOTH			2688 Secs (2588 Secs)		
									[==>2588.0 Secs]		[2]
	4	G140L/FP- All (COS.sp.181 3031)	(9) ICRF-J095649.8 +251516	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=99 00; FP-POS=ALL; SEGMENT=BOTH			550 Secs (2240 Secs)		
									[==>512.0 Secs (Split 1)] [==>512.0 Secs (Split 2)] [==>512.0 Secs (Split 3)] [==>704.0 Secs (Split 4)]		[3]

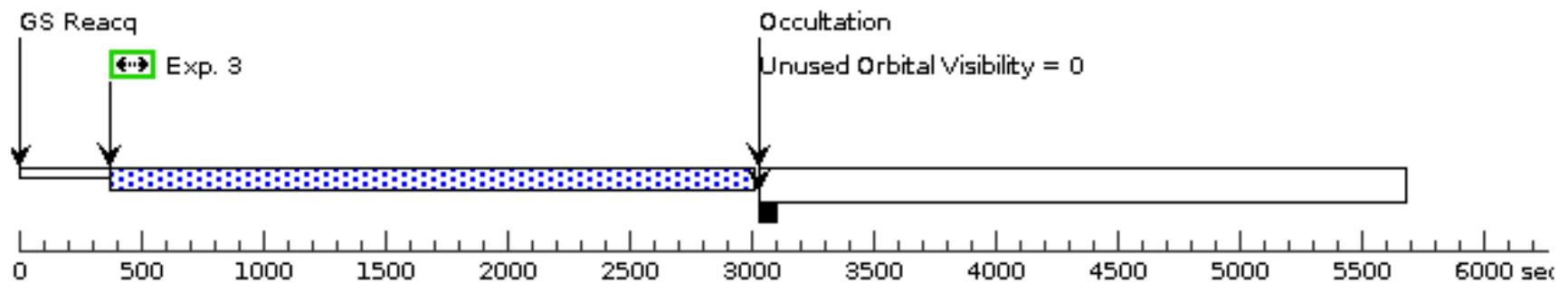
Orbit 1

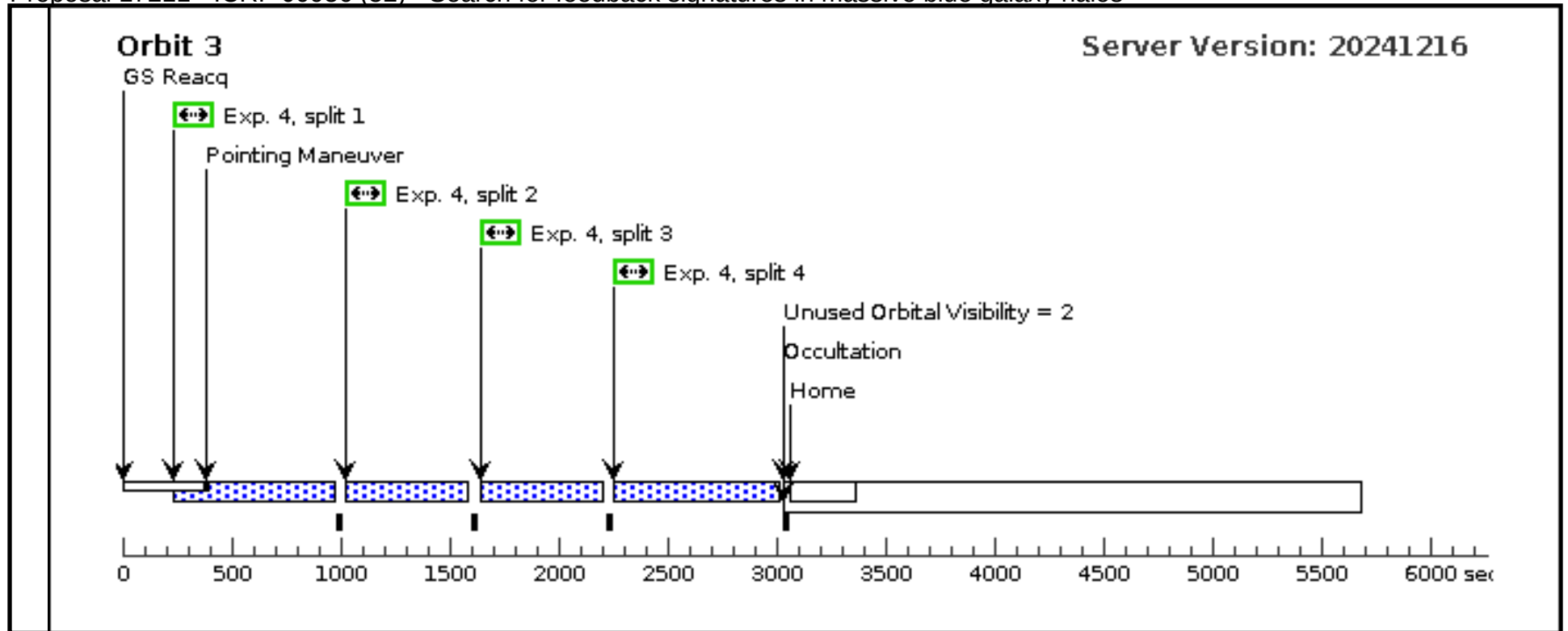
Server Version: 20241216



Orbit 2

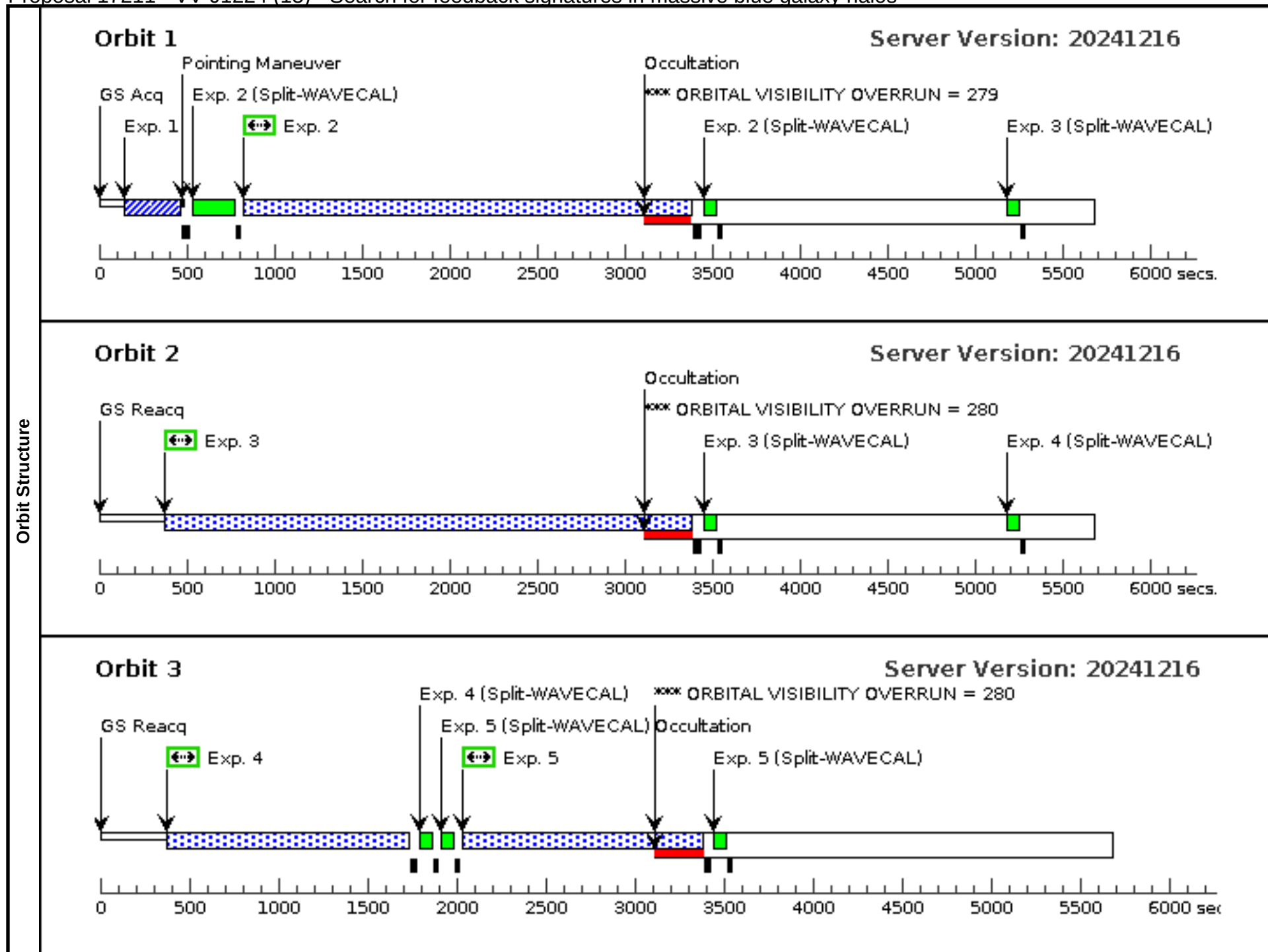
Server Version: 20241216

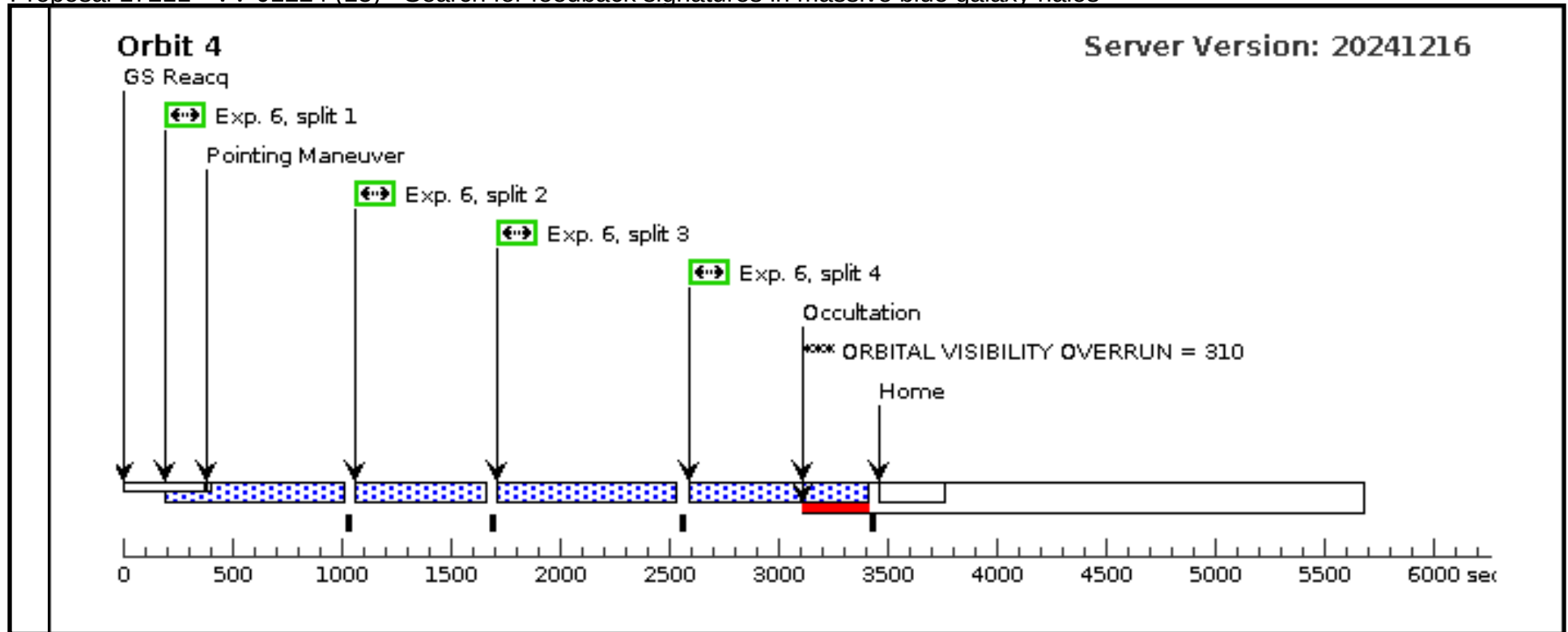




Proposal 17211 - VV-J1224 (15) - Search for feedback signatures in massive blue galaxy halos

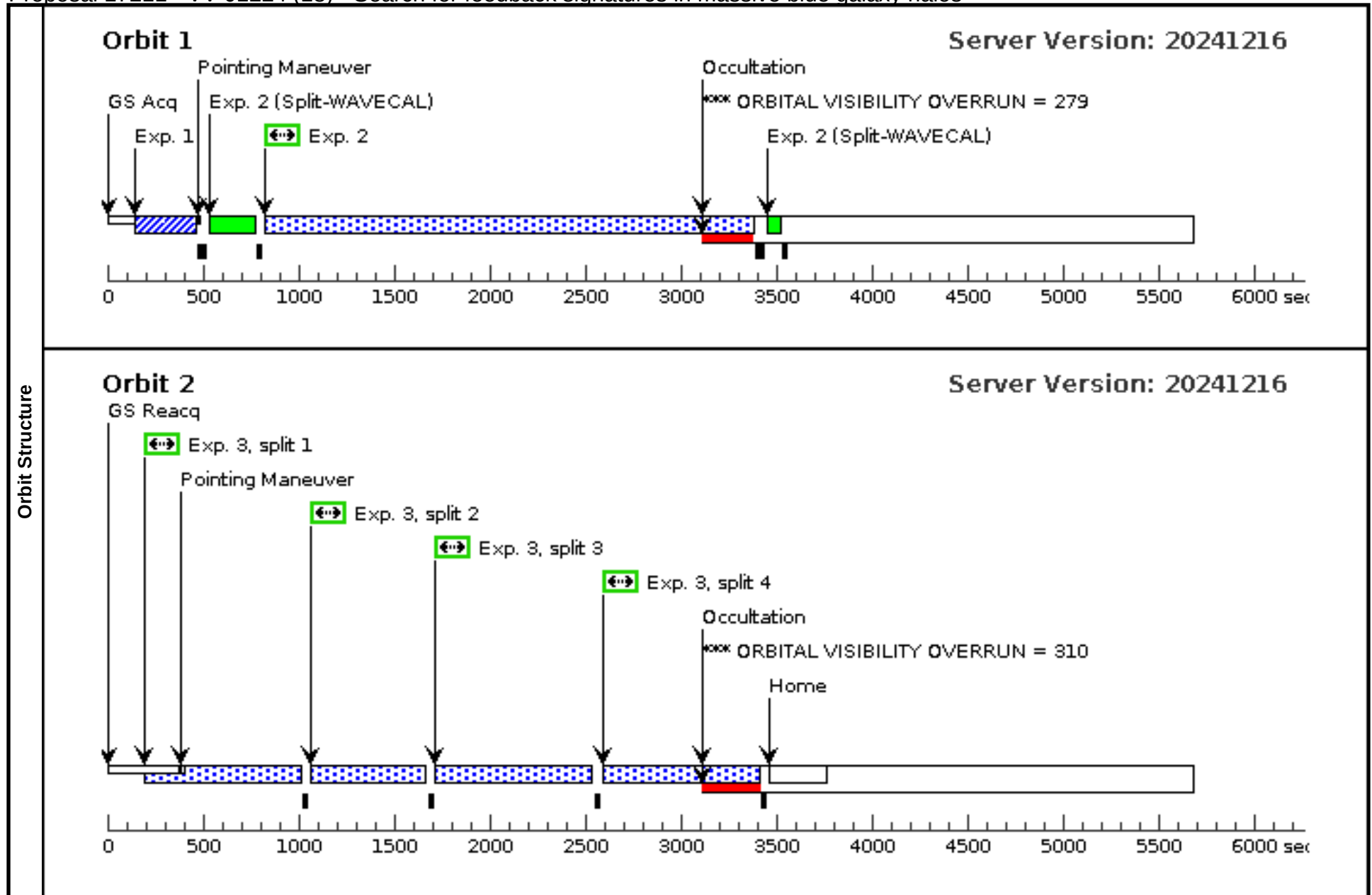
Visit	Proposal 17211, VV-J1224 (15), failed										Mon Mar 17 16:00:40 GMT 2025
	Diagnostic Status: Warning										
	Scientific Instruments: COS/FUV, COS/NUV										
	Special Requirements: (none)										
Comments: G140L 1, G160M 3 orbits											
Diagnostics	(VV-J1224 (15)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
	(VV-J1224 (15)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
	(VV-J1224 (15)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
	(VV-J1224 (15)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(10)	VV2006-J121248.0+615340	RA: 12 12 48.0465 (183.2001937d) Dec: +61 53 40.46 (61.89457d) Equinox: J2000		Proper Motion RA: 1.2736273080614064E-6 sec of time/yr Proper Motion Dec: -1.800001427909592E-5 arcsec/yr Epoch of Position: 2015.5		V=17.08+/-0.02 Galex_FUV=17.83		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.										
	Category=GALAXY Description=[ACCRETION DISK, QSO, 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	Acq (COS.ta.181 3036)	(10) VV2006-J12124 8.0+615340	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				13 Secs (13 Secs)		
									[==>]		[1]
	2	G160M/FP1 (COS.sp.181 3046)	(10) VV2006-J12124 8.0+615340	COS/FUV, TIME-TAG, PSA	G160M 1533 A	BUFFER-TIME=1000; FP-POS=1; SEGMENT=BOTH			2506 Secs (2506 Secs)		
									[==>]		[1]
	3	G160M/FP2 (COS.sp.181 3046)	(10) VV2006-J12124 8.0+615340	COS/FUV, TIME-TAG, PSA	G160M 1533 A	BUFFER-TIME=1000; FP-POS=2; SEGMENT=BOTH			2959 Secs (2959 Secs)		
									[==>]		[2]
	4	G160M/FP3 (COS.sp.181 3046)	(10) VV2006-J12124 8.0+615340	COS/FUV, TIME-TAG, PSA	G160M 1533 A	BUFFER-TIME=1000; FP-POS=3; SEGMENT=BOTH			1307 Secs (1307 Secs)		
									[==>]		[3]
	5	G160M/FP4 (COS.sp.181 3046)	(10) VV2006-J12124 8.0+615340	COS/FUV, TIME-TAG, PSA	G160M 1533 A	BUFFER-TIME=1000; FP-POS=4; SEGMENT=BOTH			1300 Secs (1300 Secs)		
								[==>]		[3]	
6	G140L/FP1 (COS.sp.181 3040)	(10) VV2006-J12124 8.0+615340	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=9600; FP-POS=ALL; SEGMENT=BOTH			550 Secs (2638 Secs)			
								[==>(Split 1)] [==>(Split 2)] [==>769.0 Secs (Split 3)] [==>769.0 Secs (Split 4)]		[4]	





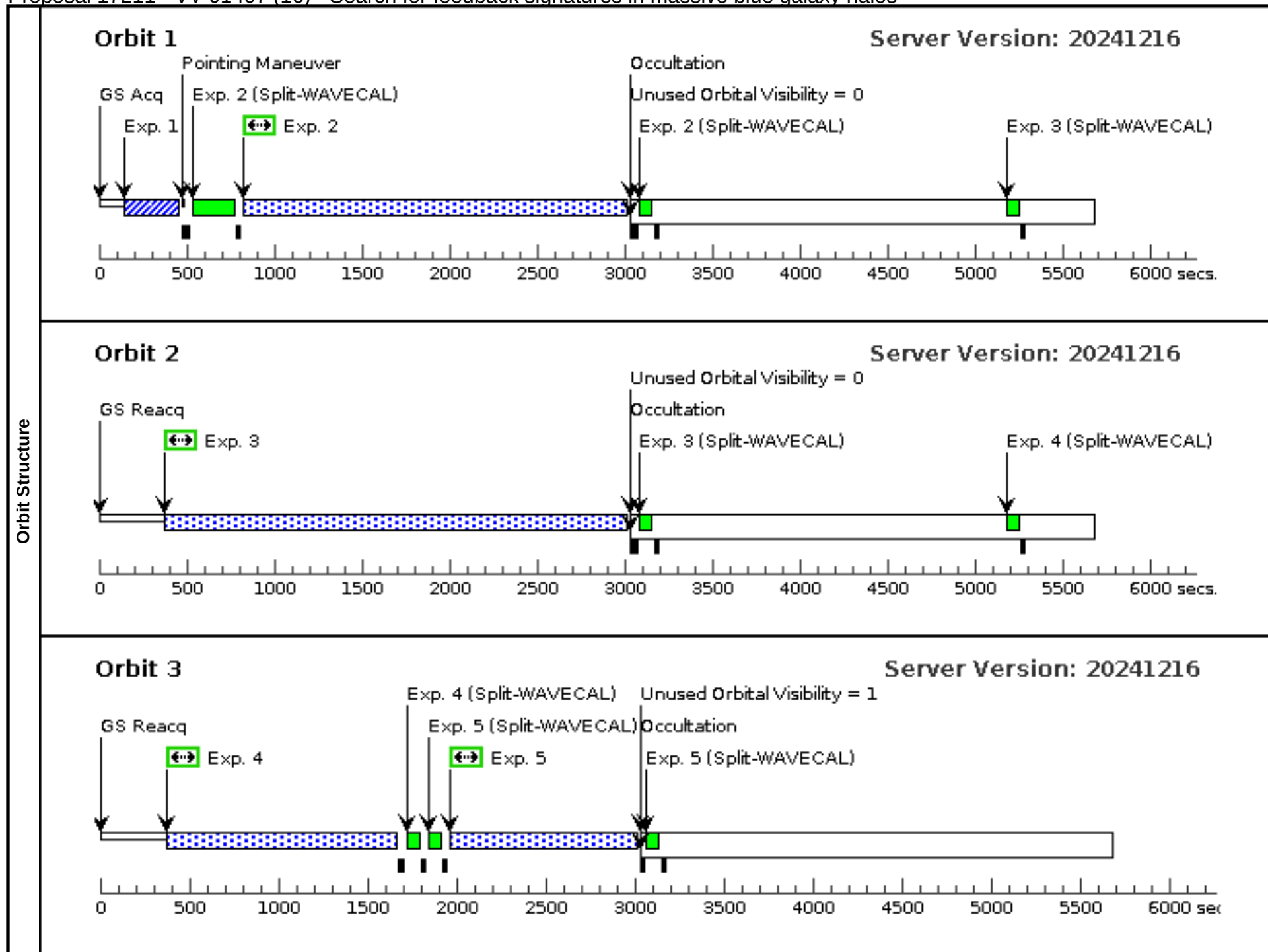
Proposal 17211 - VV-J1224 (18) - Search for feedback signatures in massive blue galaxy halos

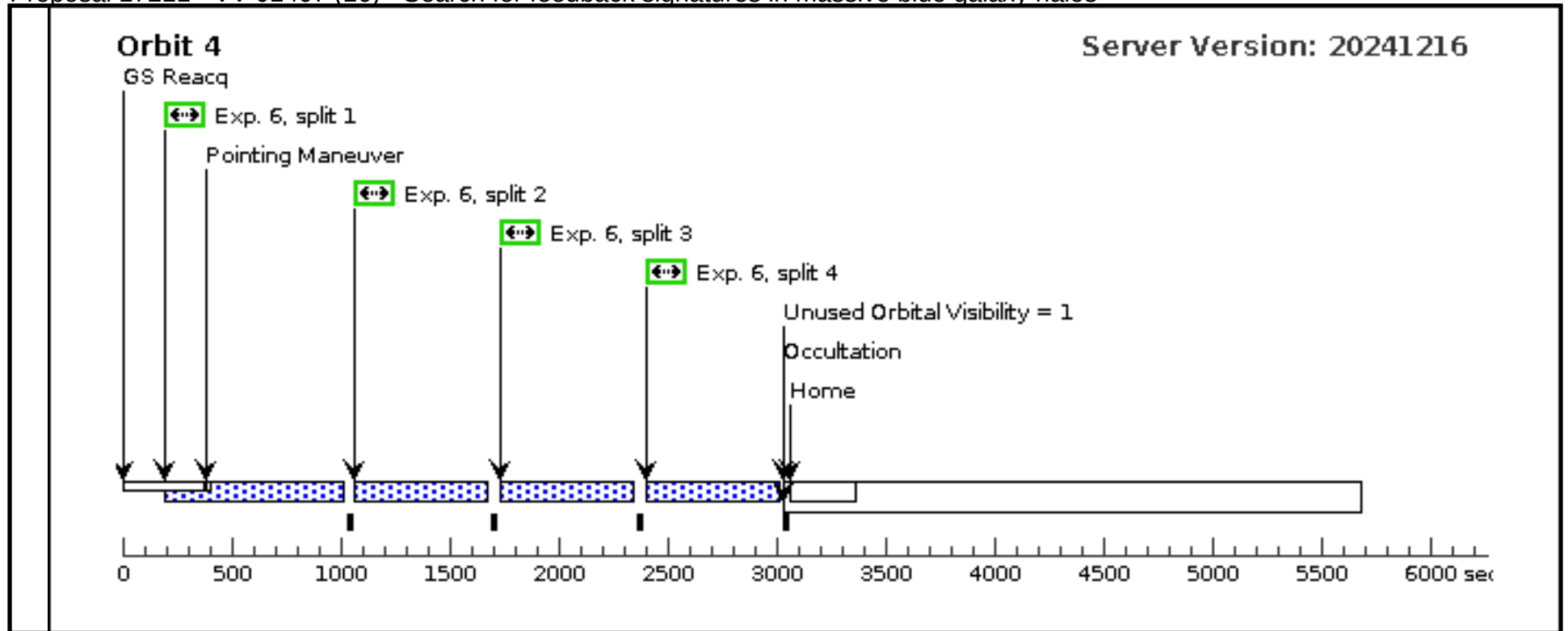
Visit	Proposal 17211, VV-J1224 (18), completed										Mon Mar 17 16:00:40 GMT 2025	
	Diagnostic Status: Warning											
	Scientific Instruments: COS/FUV, COS/NUV											
	Special Requirements: (none)											
Comments: G140L 1, G160M 1 orbit, Rescheduling of visit 15.												
Diagnostics	(VV-J1224 (18)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
	(VV-J1224 (18)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(10)	VV2006-J121248.0+615340	RA: 12 12 48.0465 (183.2001937d) Dec: +61 53 40.46 (61.89457d) Equinox: J2000		Proper Motion RA: 1.2736273080614064E-6 sec of time/yr Proper Motion Dec: -1.800001427909592E-5 arcsec/yr Epoch of Position: 2015.5		V=17.08+/-0.02 Galex_FUV=17.83		Reference Frame: ICRS			
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.											
	Category=GALAXY Description=[ACCRETION DISK, QSO, 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	Acq (COS.ta.181 3036)	(10) VV2006-J12124 8.0+615340	COS/NUV, ACQ/IMAGE, PSA		MIRRORB				13 Secs (13 Secs)		
										[==>]		[1]
	2	G160M/FP1 (COS.sp.181 3046)	(10) VV2006-J12124 8.0+615340	COS/FUV, TIME-TAG, PSA		G160M 1533 A	BUFFER-TIME=10000; FP-POS=1; SEGMENT=BOTH			2506 Secs (2506 Secs)		
										[==>]		[1]
	3	G140L/FP1 (COS.sp.181 3040)	(10) VV2006-J12124 8.0+615340	COS/FUV, TIME-TAG, PSA		G140L 1280 A	BUFFER-TIME=9600; FP-POS=ALL; SEGMENT=BOTH			550 Secs (2638 Secs)		
										[==>(Split 1)] [==>(Split 2)] [==>769.0 Secs (Split 3)] [==>769.0 Secs (Split 4)]		[2]



Proposal 17211 - VV-J1407 (16) - Search for feedback signatures in massive blue galaxy halos

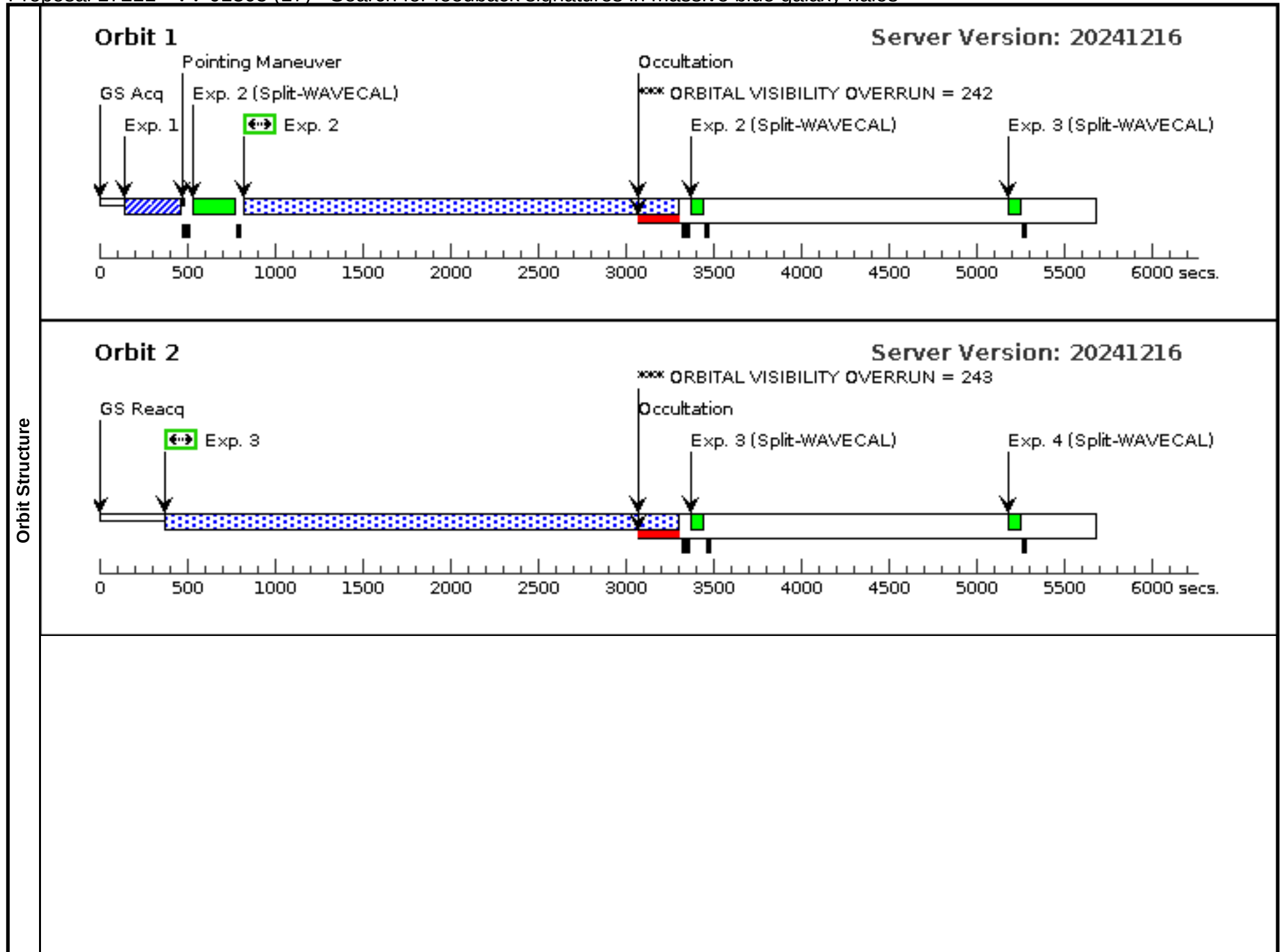
Visit	Proposal 17211, VV-J1407 (16), completed								Mon Mar 17 16:00:40 GMT 2025	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: COS/FUV, COS/NUV									
	Special Requirements: (none)									
Comments: G140L 1 and G160M 3 orbits										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(11)	VV2000-J140742.1+293321	RA: 14 07 42.2044 (211.9258517d) Dec: +29 33 21.85 (29.55607d) Equinox: J2000	Proper Motion RA: 2.145906129176542E-6 sec of time/yr Proper Motion Dec: 5.6999999999999996E-5 arcsec/yr Epoch of Position: 2015.5	V=16.65+/-0.02 Galex_FUV=17.69	Reference Frame: ICRS				
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.									
	Category=GALAXY Description=[ACCRETION DISK, QSO, 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	Acq (COS.ta.181 3047)	(11) VV2000-J14074 2.1+293321	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				11 Secs (11 Secs) [==>]	[1]
	2	G160M/FP1 (COS.sp.181 3048)	(11) VV2000-J14074 2.1+293321	COS/FUV, TIME-TAG, PSA	G160M 1533 A	BUFFER-TIME=92 00; FP-POS=1; SEGMENT=BOTH			2264 Secs (2144 Secs) [==>2144.0 Secs]	[1]
	3	G160M/FP2 (COS.sp.181 3048)	(11) VV2000-J14074 2.1+293321	COS/FUV, TIME-TAG, PSA	G160M 1533 A	BUFFER-TIME=92 00; FP-POS=2; SEGMENT=BOTH			2713 Secs (2592 Secs) [==>2592.0 Secs]	[2]
	4	G160M/FP3 (COS.sp.181 3048)	(11) VV2000-J14074 2.1+293321	COS/FUV, TIME-TAG, PSA	G160M 1533 A	BUFFER-TIME=92 00; FP-POS=3; SEGMENT=BOTH			1300 Secs (1239 Secs) [==>1239.0 Secs]	[3]
	5	G160M/FP4 (COS.sp.181 3048)	(11) VV2000-J14074 2.1+293321	COS/FUV, TIME-TAG, PSA	G160M 1533 A	BUFFER-TIME=92 00; FP-POS=4; SEGMENT=BOTH			1061 Secs (1000 Secs) [==>1000.0 Secs]	[3]
	6	G140L/FP-All (COS.sp.181 3049)	(11) VV2000-J14074 2.1+293321	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=90 00; FP-POS=ALL; SEGMENT=BOTH			600 Secs (2240 Secs) [==>554.0 Secs (Split 1)] [==>562.0 Secs (Split 2)] [==>562.0 Secs (Split 3)] [==>562.0 Secs (Split 4)]	[4]





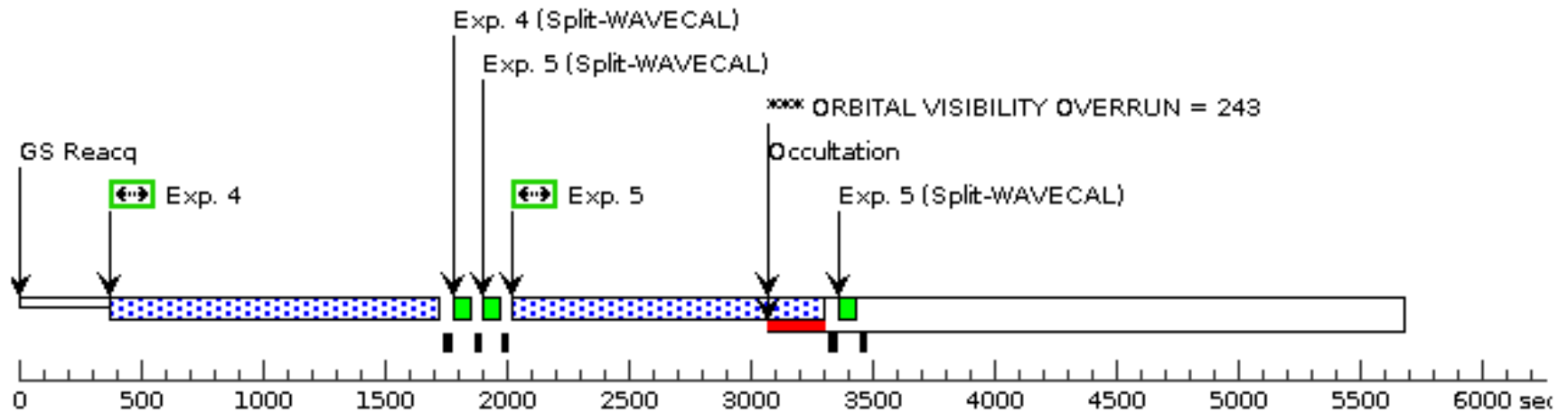
Proposal 17211 - VV-J1305 (17) - Search for feedback signatures in massive blue galaxy halos

Visit	Proposal 17211, VV-J1305 (17), failed										Mon Mar 17 16:00:40 GMT 2025	
	Diagnostic Status: Warning											
	Scientific Instruments: COS/FUV, COS/NUV											
	Special Requirements: (none)											
Comments: G140L 1 and G160M 3 orbits												
Diagnostics	(VV-J1305 (17)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
	(VV-J1305 (17)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
	(VV-J1305 (17)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
	(VV-J1305 (17)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
Fixed Targets	# Name Target Coordinates Targ. Coord. Corrections Fluxes Miscellaneous											
	(12)	VV98-J130544.4+530137		RA: 13 05 44.3231 (196.4346796d)		Proper Motion RA: -7.759127708002637E-6		V=17.1+/-02		Reference Frame: ICRS		
				Dec: +53 01 36.28 (53.02674d)		sec of time/yr		Galex_FUV=17.98				
				Equinox: J2000		Proper Motion Dec: 8.3E-5 arcsec/yr						
Epoch of Position: 2015.5												
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.												
Category=GALAXY												
Description=[ACCRETION DISK, QSO, 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	Acq (COS.ta.181 3050)	(12) VV98-J130544. 4+530137	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				13 Secs (13 Secs)			
									[==>]		[1]	
	2	G160M/FP1 (COS.sp.181 3053)	(12) VV98-J130544. 4+530137	COS/FUV, TIME-TAG, PSA	G160M 1533 A	BUFFER-TIME=10 800;			2428 Secs (2428 Secs)			
						FP-POS=1;			[==>]		[1]	
						SEGMENT=BOTH						
	3	G160M/FP2 (COS.sp.181 3053)	(12) VV98-J130544. 4+530137	COS/FUV, TIME-TAG, PSA	G160M 1533 A	BUFFER-TIME=10 800;			2881 Secs (2881 Secs)			
						FP-POS=2;			[==>]		[2]	
						SEGMENT=BOTH						
	4	G160M/FP3 (COS.sp.181 3053)	(12) VV98-J130544. 4+530137	COS/FUV, TIME-TAG, PSA	G160M 1533 A	BUFFER-TIME=10 800;			1300 Secs (1300 Secs)			
						FP-POS=3;			[==>]		[3]	
						SEGMENT=BOTH						
	5	G160M/FP4 (COS.sp.181 3053)	(12) VV98-J130544. 4+530137	COS/FUV, TIME-TAG, PSA	G160M 1533 A	BUFFER-TIME=10 800;			1300 Secs (1229 Secs)			
						FP-POS=4;			[==>1229.0 Secs]		[3]	
					SEGMENT=BOTH							
6	G140L/FP1 (COS.sp.181 3051)	(12) VV98-J130544. 4+530137	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=10 200;			640 Secs (2560 Secs)				
					FP-POS=ALL;			[==>(Split 1)]		[4]		
					SEGMENT=BOTH			[==>(Split 2)]				
								[==>(Split 3)]				
								[==>(Split 4)]				



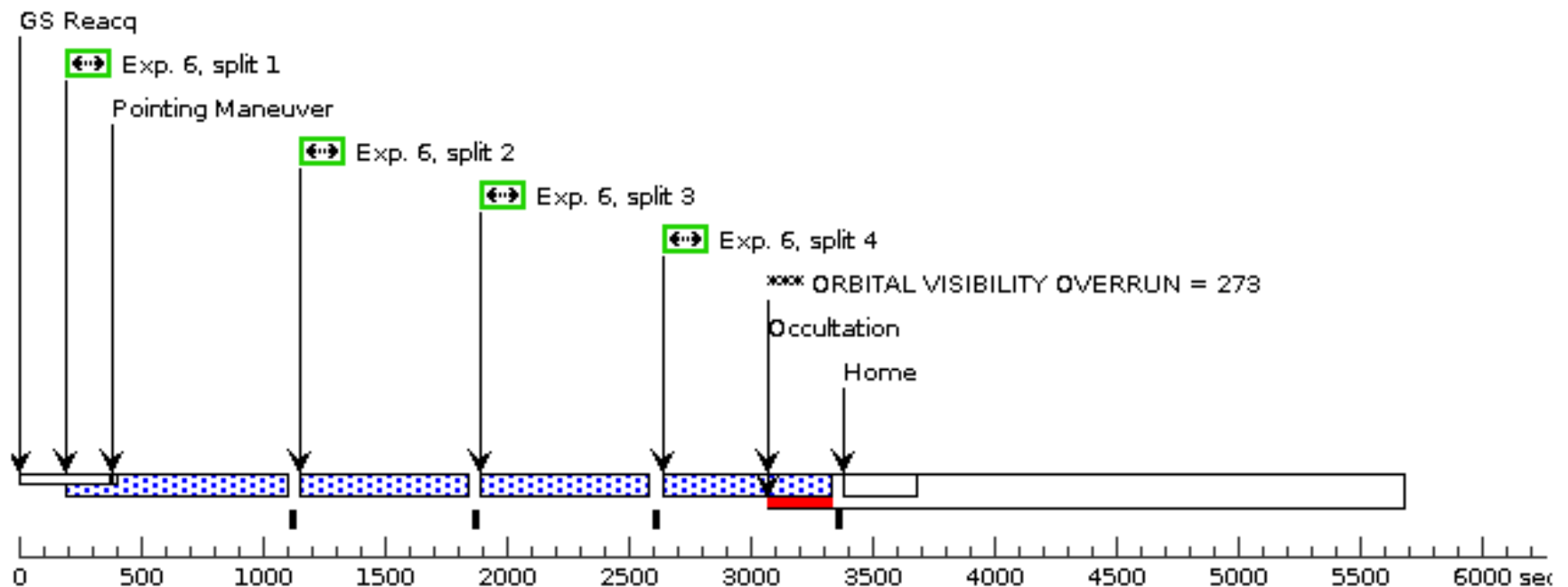
Orbit 3

Server Version: 20241216



Orbit 4

Server Version: 20241216



Proposal 17211 - VV-J1305 (19) - Search for feedback signatures in massive blue galaxy halos

Visit	Proposal 17211, VV-J1305 (19), completed										Mon Mar 17 16:00:40 GMT 2025	
	Diagnostic Status: Warning											
	Scientific Instruments: COS/FUV, COS/NUV											
	Special Requirements: (none)											
Comments: G140L 1 and G160M 1 orbit. Rescheduling of visit 17												
Diagnostics	(VV-J1305 (19)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
	(VV-J1305 (19)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous						
	(12)	VV98-J130544.4+530137	RA: 13 05 44.3231 (196.4346796d) Dec: +53 01 36.28 (53.02674d) Equinox: J2000	Proper Motion RA: -7.759127708002637E-6 sec of time/yr Proper Motion Dec: 8.3E-5 arcsec/yr Epoch of Position: 2015.5	V=17.1+/-0.02 Galex_FUV=17.98	Reference Frame: ICRS						
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.											
	Category=GALAXY Description=[ACCRETION DISK, QSO, 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	Acq (COS.ta.181 3050)	(12) VV98-J130544. 4+530137	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				13 Secs (13 Secs)			
									[==>]		[1]	
	2	G160M/FP1 (COS.sp.181 3053)	(12) VV98-J130544. 4+530137	COS/FUV, TIME-TAG, PSA	G160M 1533 A	BUFFER-TIME=10 800; FP-POS=1; SEGMENT=BOTH			2428 Secs (2428 Secs)			
									[==>]		[1]	
	3	G140L/FP1 (COS.sp.181 3051)	(12) VV98-J130544. 4+530137	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=10 200; FP-POS=ALL; SEGMENT=BOTH			640 Secs (2560 Secs)			
								[==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]		[2]		

