



11110 - Searching for Lyman alpha Emission from FUSE Lyman Continuum Candidates

Cycle: 16, Proposal Category: GO
(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) J132553.81+571516.	ACS/SBC	3	22-Oct-2008 21:01:30.0	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>
02	(2) J135950.92+572622.	ACS/SBC	3	22-Oct-2008 21:01:37.0	yes
03	(3) J125203.54+514048.	ACS/SBC	3	22-Oct-2008 21:01:43.0	yes
04	(4) J130316.11+503714.	ACS/SBC	3	22-Oct-2008 21:01:48.0	yes
05	(5) J092238.18+605155.	ACS/SBC	3	22-Oct-2008 21:01:53.0	yes
06	(6) J161140.82+522726.	ACS/SBC	3	22-Oct-2008 21:02:01.0	yes
07	(7) J172204.77+590647.	ACS/SBC	3	22-Oct-2008 21:02:05.0	yes
08	(8) J130728.45+542652.	ACS/SBC	3	22-Oct-2008 21:02:10.0	yes
09	(9) J092308.37+505007.	ACS/SBC	3	22-Oct-2008 21:02:16.0	yes
10	(10) J134813.32+544750.	ACS/SBC	3	22-Oct-2008 21:02:21.0	yes
11	(11) J104351.47+554542.	ACS/SBC	3	22-Oct-2008 21:02:25.0	yes
15	(11) J104351.47+554542.	ACS/SBC	3	22-Oct-2008 21:02:30.0	yes
12	(12) J105844.90+593038.	ACS/SBC	3	22-Oct-2008 21:02:37.0	yes
16	(12) J105844.90+593038.	ACS/SBC	3	22-Oct-2008 21:02:41.0	yes
13	(13) J111827.87+650155.	ACS/SBC	3	22-Oct-2008 21:02:45.0	yes
14	(14) J132109.07+590605.	ACS/SBC	3	22-Oct-2008 21:02:50.0	yes

48 Total Orbits Used

ABSTRACT

We have recently been granted time on FUSE to characterize the escape fraction of hydrogen Lyman continuum (Lyc) photons from a morphologically diverse set of star forming galaxies. The FUSE program is designed to provide ~ 5 sigma detections of Lyc photons emitted from star forming galaxies with escape fractions $\sim 5\%$. With this proposal we seek hydrogen Lyman alpha (Lya) observations of a representative subset of the FUSE program targets to constrain the observational relationship between Lyc, Lya, and hydrogen Balmer line emission in these systems. Such

observations explore the detailed balance between the simple optically thin (Case A) and optically thick (Case B) limits in recombination theory. The ultimate goal of this program is to quantify the relationship between escaping Ly α and Ly γ emission and the first structures that form in the early universe.

OBSERVING DESCRIPTION

HST-ACS/SBC is essential for this project because it is the only instrument at present capable of providing spatial resolved imagery and spectral isolation of Ly α emission. We propose to acquire images of each object in three longpass SBC filters F125LP, F140LP and F150LP with one orbit for each filter. All our targets have total fluxes that are within a factor of two, so using equal exposures for all the objects and all the filters is a reasonable observing strategy. We will synthesize bandpass filters by forming subtracted images, F125 - F140 and F140 - F150, which we will refer to as S132 and S141 respectively. The S141 and F150 images will contain mostly continuum, while the S132 image will contain continuum and any Ly α emission that might be present. We require two continuum band images (S141 and F150) to provide an estimate of the continuum present in the S132 image. The use of two continuum bands provides a means to estimate both amplitude and slope differences in the spectral energy distributions (SED). This will improve the accuracy of the continuum flux estimation in the S132 bandpass over that provided by a single continuum image, with which we could only account for amplitude.

Allowing one orbit for each filter we get a total of 42 orbits. All the objects are in the north at declinations $> 50^\circ$ where the handbook tells us orbital visibility of 54 minutes can be expected. The F125LP was chosen because it effectively eliminates the strong geocoronal Ly α background. However, this filter does not block the weaker OI 1304 and 1356 lines, so we will require observations with F125LP to be made during shadow time, which the on-line exposure time calculator (ETC) shows effectively eliminates the OI background. The duration of shadow time is $\sim$ half of the visibility window. The ETC shows the other two filters are unaffected by geocoronal or zodiacal light, so they have no orbital restrictions. Allowing for 6 minutes of target acquisition and $\sim$ 3 minutes for filter changes, we arrive at a total on target orbital integration time of $\sim$ 45 minutes = 2700 seconds. In the Phase II orbital planning we have asked for 9 images with 15 minute integrations in each 3 orbit visit. The filter exposure sequence is ordered such that Orbit 1: 140-125-150, Orbit 2: 150-125-140, and Orbit 3: 140-125-150. This sequence allows the 125 filter

exposures to be made well within the shadow and period and minimizes filter changes. We have requested visibilities of 54.5 minutes for each target.

We have created a simple SED model to derive the expected sensitivity for detecting Ly α emission using these three filters. We verified the accuracy of our model against the ETC and found excellent agreement. We find that none of our targets will exceed the MAMA local or global countrate limits of 50 counts s⁻¹ pixel⁻¹ and 2×10^5 counts s⁻¹ respectively. In our model we assume that the continuum flux distribution is given by a power law with a logarithmic slope defined by the GALEX fuv and nuv observed fluxes. We find that a Ly α emission line with a typical EW of 20 Ang will produce approximately 10% of the flux in the S132 bandpass. We emphasize that an accurate estimation of the Ly α signal will require an accurate estimation of the continuum for subtraction from the combined signal in the S132 image. Measurements in the two continuum bands will provide this accuracy. In addition, the FUSE spectra and the long wavelength GALEX bands will also provide SED constraint and a means for sanity checks.

Each object will more or less fill the SBC 35" x 31" aperture. We have determined an average surface brightness of the objects from the GALEX FUV images and they range from 6.2 to 1×10^{-17} erg / cm²/s/Ang/(")². The limit of detectability of Ly α on small angular scales will depend upon the average surface brightness of the object, the solid angle and the exposure time over which we integrate the signal. Emission from regions with large EW's can be detected within small solid angles. Detection of a smaller EW is possible but the corresponding limiting solid angle (and hence resolution) will be larger. For a desired signal-to-noise there is a limiting solid angle for detection of a fixed EW in a fixed amount of observing time.

For a typical EW = 20 Ang we find a range of limiting linear resolution elements ($R_{\text{lim}} = \sqrt{\Omega_{\text{lim}}}$) where Ω_{lim} is the limiting solid angle) for a $\sigma_{\text{lim}} = 5$ of $0.8'' < R_{\text{lim}} < 3''$. This angular scale is a good match to that achievable with typical ground based observatories. The ancillary Ha and Hb images and follow up spectroscopy can easily be acquired at ground based facilities, such as APO, which we have access to on a regular basis.

We note, that the FUV continuum images themselves are interesting in their own right. With them we can ask whether there are systematic differences in the spatial distribution of the (lightly-reddened) star formation in the cases where Ly continuum is

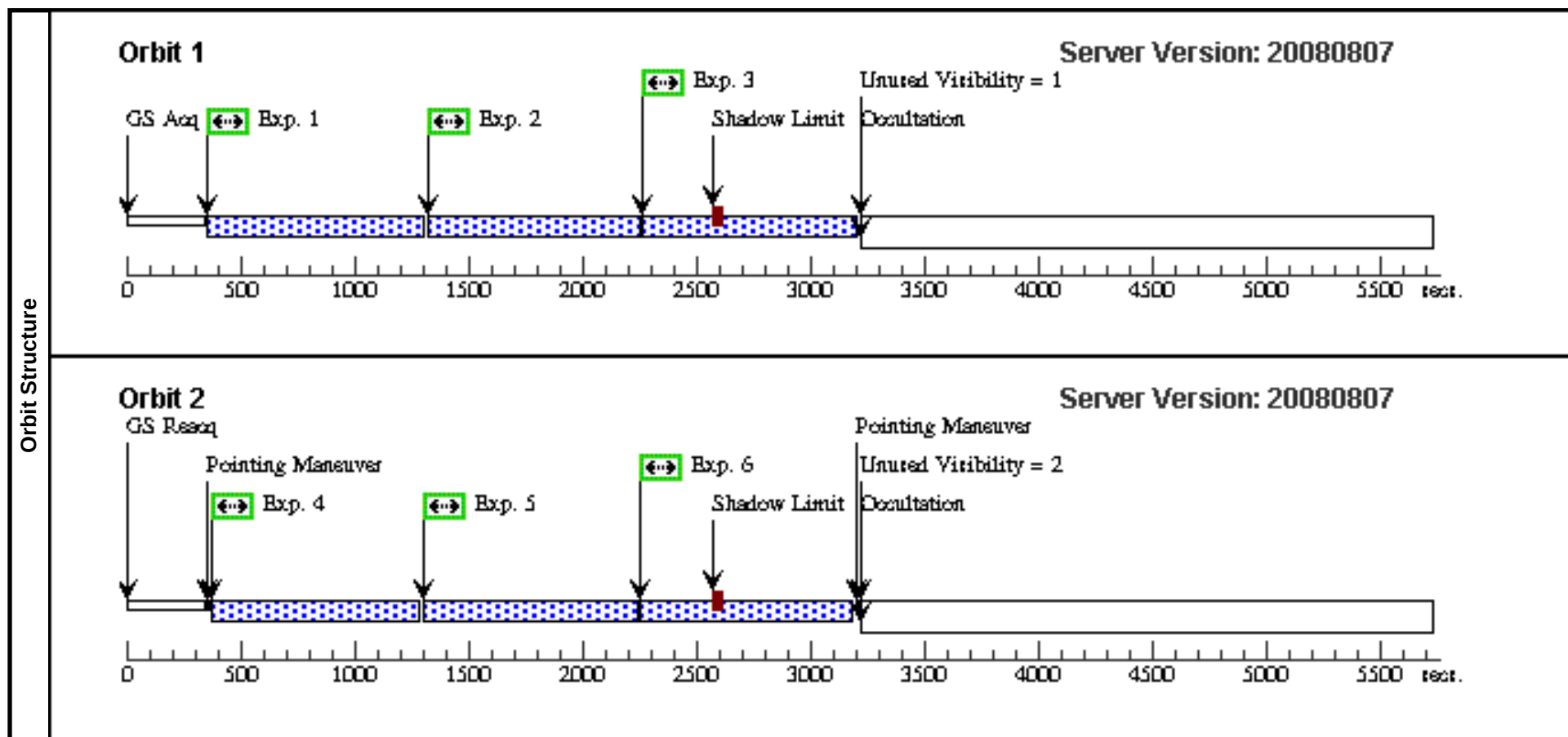
getting out? For instance, if strong Ly continuum emitters tend to have higher star formation rates per unit area, then that might explain why the $z \sim 3$ LBG sample appears to have higher Ly continuum escape fractions than the lower redshift sample. LBG are known to have star formation rates per unit area several orders-of-magnitude higher than typical star-forming galaxies today. Finally we note, our Ly α detections will serve as excellent finding charts for COS, which has an $\sim 2''$ entrance slit. The observations proposed here will allow COS to precisely point to where Ly α is the brightest and enable high spectral resolution studies of the kinematics of this exciting target set.

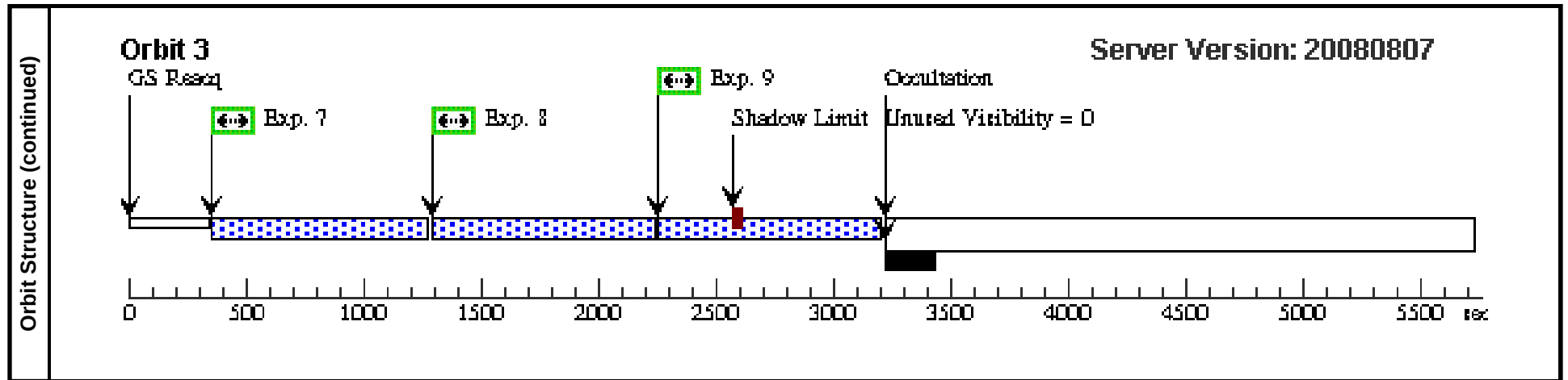
Bright object tool results summary:

We have run the bright object tool (BOT) on the 14 visits for our 14 targets. Seven visits (3, 4, 7, 8, 9, 13 and 14) have unknown and health/safety flags set while the seven other visits (1, 2, 5, 6, 10, 11 and 12) just have unknown flags set. For the most part the unknowns are either associated with the target galaxy or don't even show up on the red digital sky survey plates, so it is difficult to identify what sort of object the BOT is finding. Health/safety flags are most often associated with extended target regions that are flagged as ****O5**** "worse case" objects by the BOT. Initial checking of the integrated surface brightnesses of our targets in the SBC channels, as provided by GALEX observations, with the ETC did not reveal any bright object protection (BOP) health/safety issues. We believe at this time the BOT/DSS may be inadequate for identifying bright object protection issues. Our plan for resolving these issues is to use the available GALEX and Sloan imagery from which a complete color assessment of the unknowns and worse case health/safety flags can be made for all visits. We intend to work with our contact scientist to clear the fields in question for BOP.

Proposal 11110 - Visit 01 - Searching for Lyman alpha Emission from FUSE Lyman Continuum Candidates

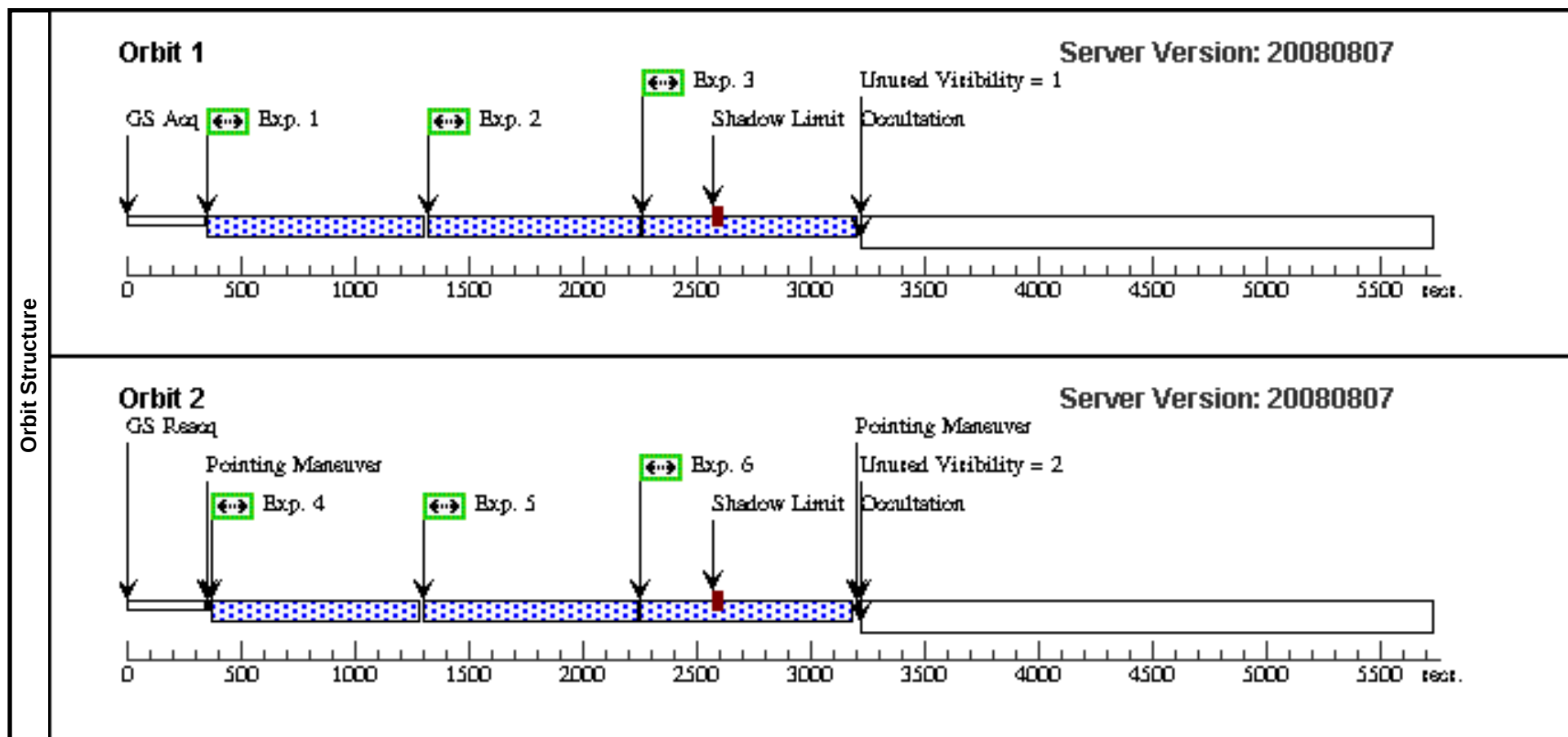
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	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/SBC Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	J132553.81+571516. Alt Name1: MRK66	RA: 13 25 54.0000 (201.4750000d) Dec: +57 15 15.90 (57.25442d) Equinox: J2000	Redshift: 0.021	V=15 fuv = 1.6 e-14 ergs/s/cm^2/Ang (GALEX)	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	N0 140 orbit 1	(1) J132553.81+571516.	ACS/SBC, ACCUM, SBC-FIX	F140LP		SAME POS AS 2		900.0 Secs [=>885.0 Secs]	[1]
	2	N0 125 orbit 1	(1) J132553.81+571516.	ACS/SBC, ACCUM, SBC-FIX	F125LP		SHADOW		900.0 Secs [=>885.0 Secs]	[1]
	3	N0 150 orbit 1	(1) J132553.81+571516.	ACS/SBC, ACCUM, SBC-FIX	F150LP		SAME POS AS 2		900.0 Secs [=>885.0 Secs]	[1]
	4	N0 150 orbit 2	(1) J132553.81+571516.	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 0.5,0.5		900.0 Secs [=>885.0 Secs]	[2]
	5	N0 125 orbit 2	(1) J132553.81+571516.	ACS/SBC, ACCUM, SBC-FIX	F125LP		POS TARG 0.5,0.5; SHADOW		900.0 Secs [=>885.0 Secs]	[2]
	6	N0 140 orbit 2	(1) J132553.81+571516.	ACS/SBC, ACCUM, SBC-FIX	F140LP		POS TARG 0.5,0.5		900.0 Secs [=>885.0 Secs]	[2]
	7	N0 140 orbit 3	(1) J132553.81+571516.	ACS/SBC, ACCUM, SBC-FIX	F140LP		POS TARG 1.0,0.25		900.0 Secs [=>899.0 Secs]	[3]
	8	N0 125 orbit 3	(1) J132553.81+571516.	ACS/SBC, ACCUM, SBC-FIX	F125LP		POS TARG 1.0,0.25; SHADOW		900.0 Secs [=>899.0 Secs]	[3]
	9	N0 150 orbit 3	(1) J132553.81+571516.	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 1.0,0.25		900.0 Secs [=>899.0 Secs]	[3]

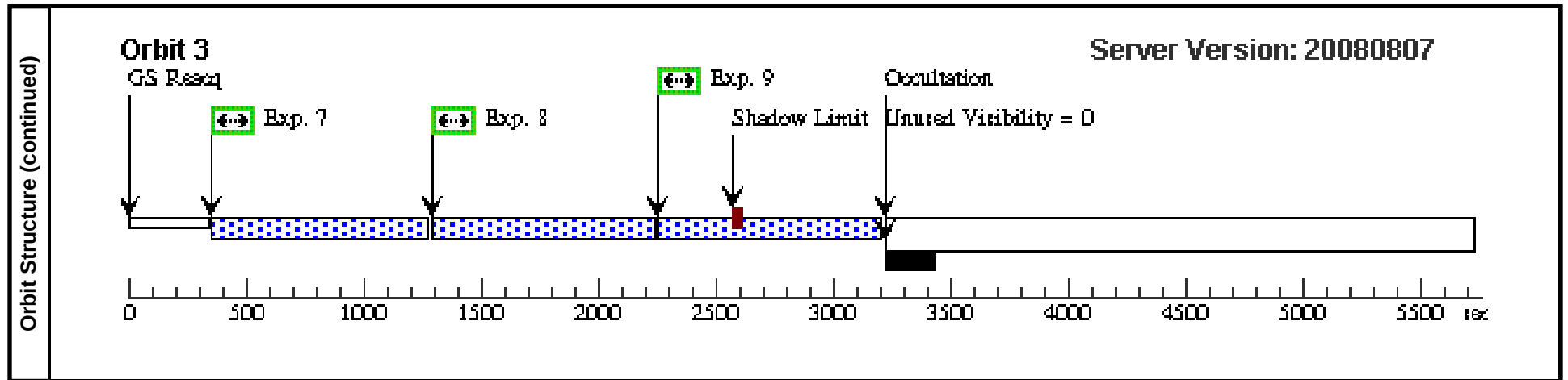




Proposal 11110 - Visit 02 - Searching for Lyman alpha Emission from FUSE Lyman Continuum Candidates

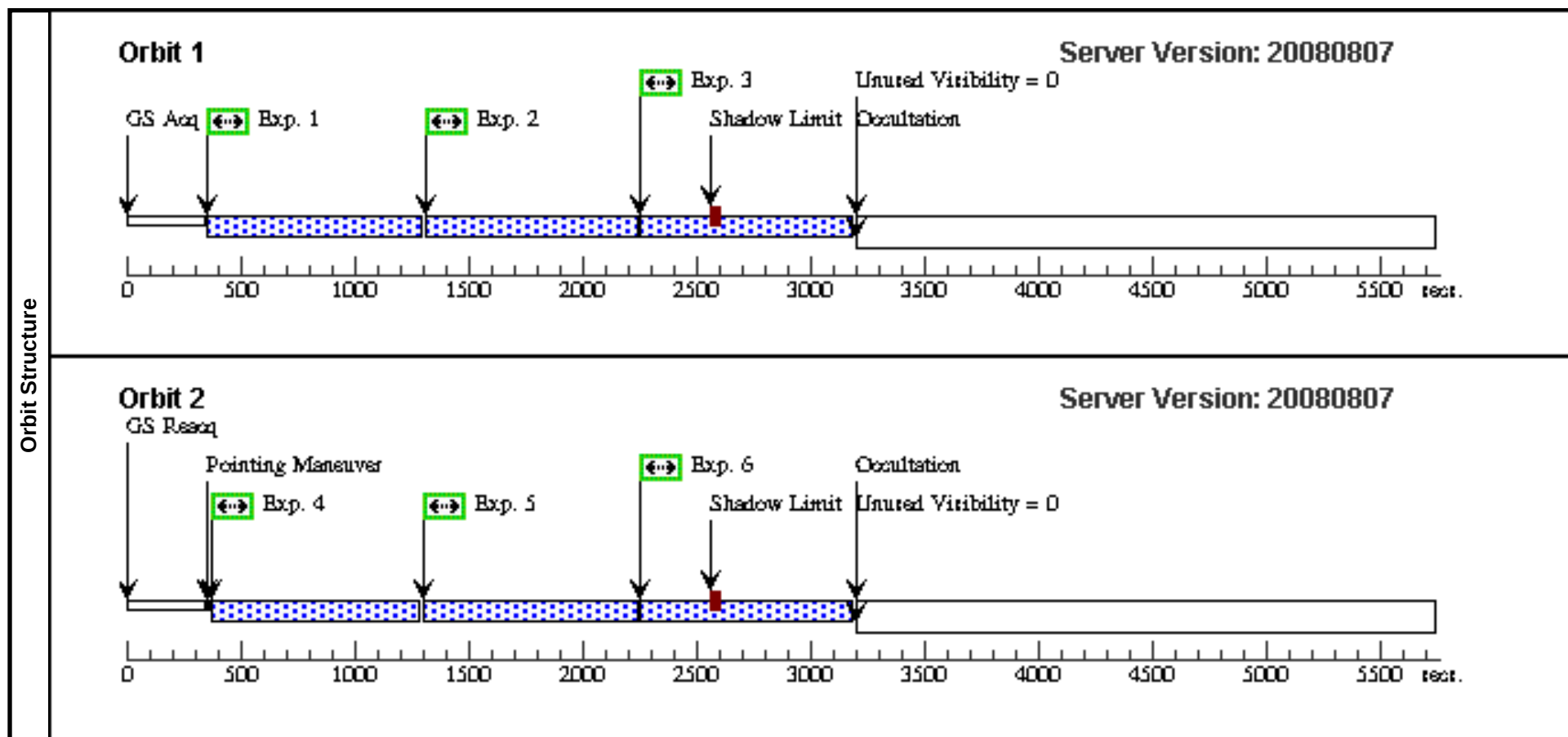
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	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/SBC Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	J135950.92+572622. Alt Name1: MRK1486	RA: 13 59 51.0000 (209.9625000d) Dec: +57 26 22.90 (57.43969d) Equinox: J2000	Redshift: 0.034	V=16.3 fuv = 0.9 e-14	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	N1 140 orbit 1	(2) J135950.92+572622.	ACS/SBC, ACCUM, SBC-FIX	F140LP		SAME POS AS 2		900.0 Secs	
									[=>885.0 Secs]	[1]
	2	N1 125 orbit 1	(2) J135950.92+572622.	ACS/SBC, ACCUM, SBC-FIX	F125LP		SHADOW		900.0 Secs	
									[=>885.0 Secs]	[1]
	3	N1 150 orbit 1	(2) J135950.92+572622.	ACS/SBC, ACCUM, SBC-FIX	F150LP		SAME POS AS 2		900.0 Secs	
									[=>885.0 Secs]	[1]
	4	N1 150 orbit 2	(2) J135950.92+572622.	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 0.5,0.5		900.0 Secs	
									[=>885.0 Secs]	[2]
	5	N1 125 orbit 2	(2) J135950.92+572622.	ACS/SBC, ACCUM, SBC-FIX	F125LP		POS TARG 0.5,0.5; SHADOW		900.0 Secs	
									[=>885.0 Secs]	[2]
	6	N1 140 orbit 2	(2) J135950.92+572622.	ACS/SBC, ACCUM, SBC-FIX	F140LP		POS TARG 0.5,0.5		900.0 Secs	
									[=>885.0 Secs]	[2]
	7	N1 140 orbit 3	(2) J135950.92+572622.	ACS/SBC, ACCUM, SBC-FIX	F140LP		POS TARG 1.0,0.25		900.0 Secs	
									[=>899.0 Secs]	[3]
	8	N1 125 orbit 3	(2) J135950.92+572622.	ACS/SBC, ACCUM, SBC-FIX	F125LP		POS TARG 1.0,0.25; SHADOW		900.0 Secs	
									[=>899.0 Secs]	[3]
	9	N1 150 orbit 3	(2) J135950.92+572622.	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 1.0,0.25		900.0 Secs	
									[=>899.0 Secs]	[3]

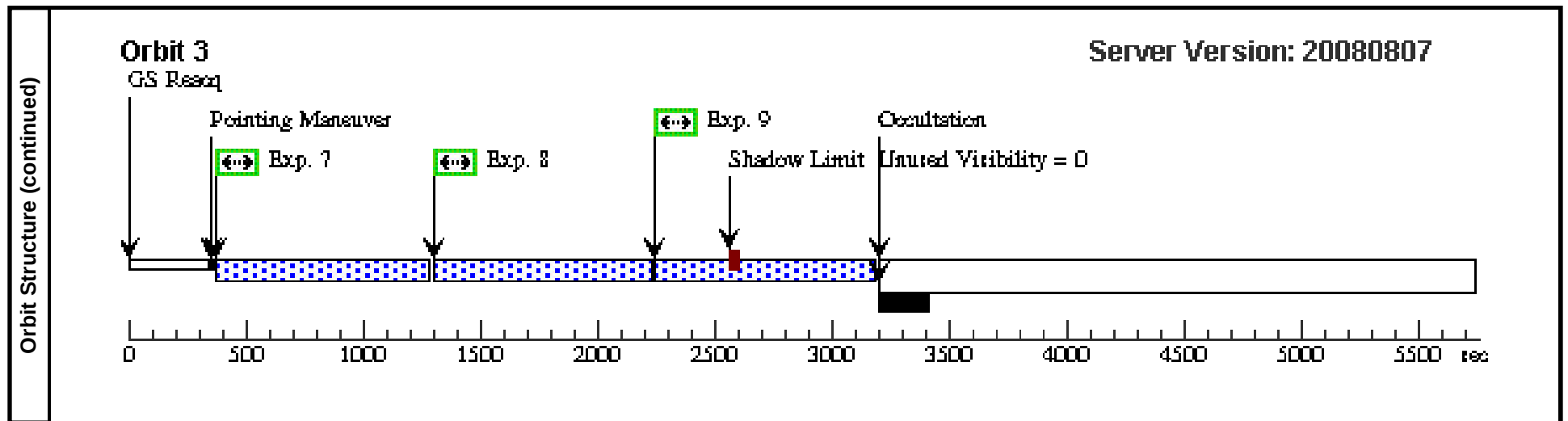




Proposal 11110 - Visit 03 - Searching for Lyman alpha Emission from FUSE Lyman Continuum Candidates

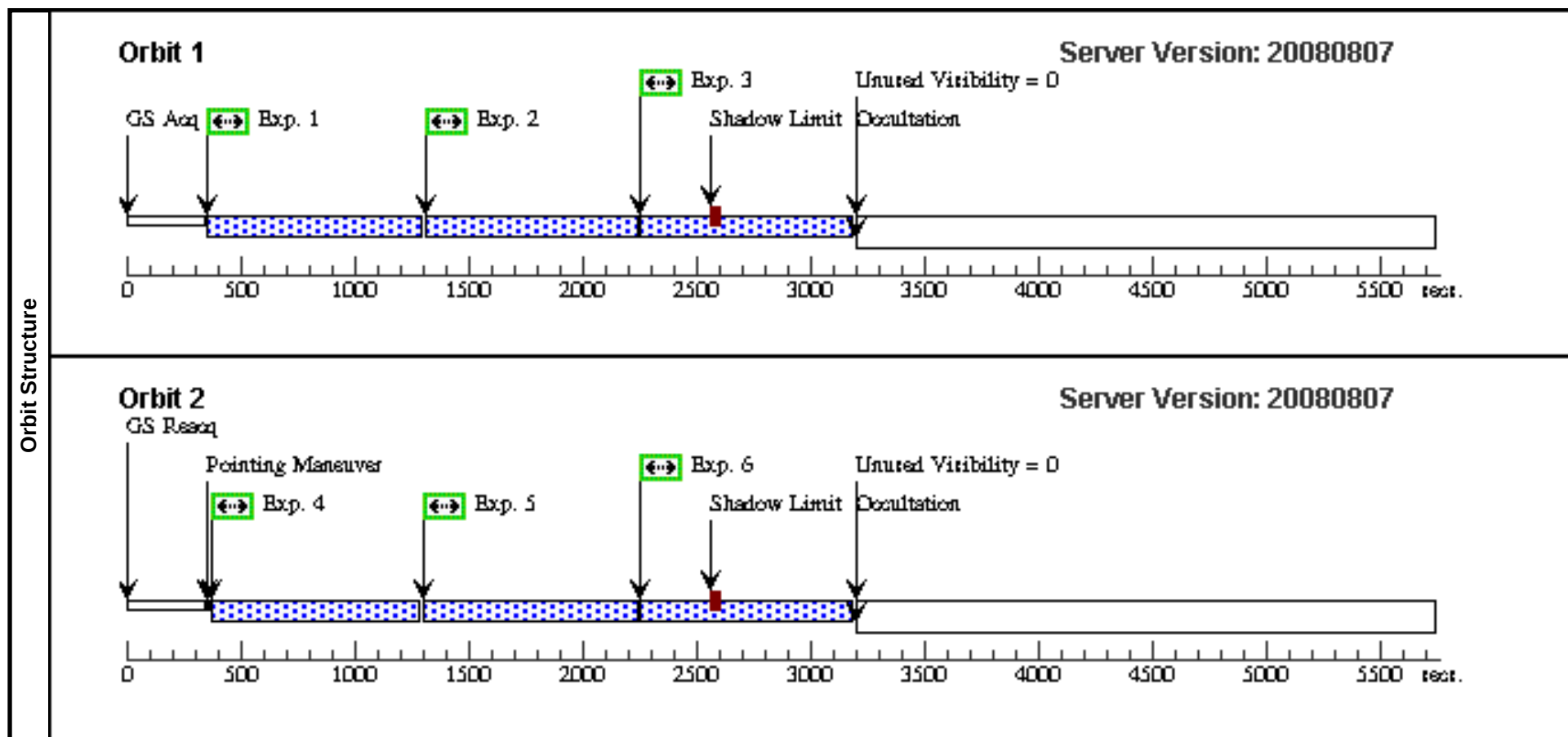
Visit	Proposal 11110, Visit 03, scheduling								Thu Oct 23 01:02:55 GMT 2008	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: ACS/SBC									
	Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(3)	J125203.54+514048. Alt Name1: UGC8012	RA: 12 52 3.5000 (193.0145833d) Dec: +51 40 47.40 (51.67983d) Equinox: J2000			V=14.3 fuv = 1.2 e -14		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	N2 140 orbit 1	(3) J125203.54+514048.	ACS/SBC, ACCUM, SBC-FIX	F140LP		SAME POS AS 2		900.0 Secs	
									[==>878.0 Secs]	[1]
	2	N2 125 orbit 1	(3) J125203.54+514048.	ACS/SBC, ACCUM, SBC-FIX	F125LP		SHADOW		900.0 Secs	
									[==>878.0 Secs]	[1]
	3	N2 150 orbit 1	(3) J125203.54+514048.	ACS/SBC, ACCUM, SBC-FIX	F150LP		SAME POS AS 2		900.0 Secs	
									[==>878.0 Secs]	[1]
	4	N2 150 orbit 2	(3) J125203.54+514048.	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 0.5,0.5		900.0 Secs	
									[==>885.0 Secs]	[2]
	5	N2 125 orbit 2	(3) J125203.54+514048.	ACS/SBC, ACCUM, SBC-FIX	F125LP		POS TARG 0.5,0.5; SHADOW		900.0 Secs	
								[==>885.0 Secs]	[2]	
6	N2 140 orbit 2	(3) J125203.54+514048.	ACS/SBC, ACCUM, SBC-FIX	F140LP		POS TARG 0.5,0.5		900.0 Secs		
								[==>885.0 Secs]	[2]	
7	N2 140 orbit 3	(3) J125203.54+514048.	ACS/SBC, ACCUM, SBC-FIX	F140LP		POS TARG 1.0,0.25		900.0 Secs		
								[==>885.0 Secs]	[3]	
8	N2 125 orbit 3	(3) J125203.54+514048.	ACS/SBC, ACCUM, SBC-FIX	F125LP		POS TARG 1.0,0.25; SHADOW		900.0 Secs		
								[==>885.0 Secs]	[3]	
9	N2 150 orbit 3	(3) J125203.54+514048.	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 1.0,0.25		900.0 Secs		
								[==>885.0 Secs]	[3]	

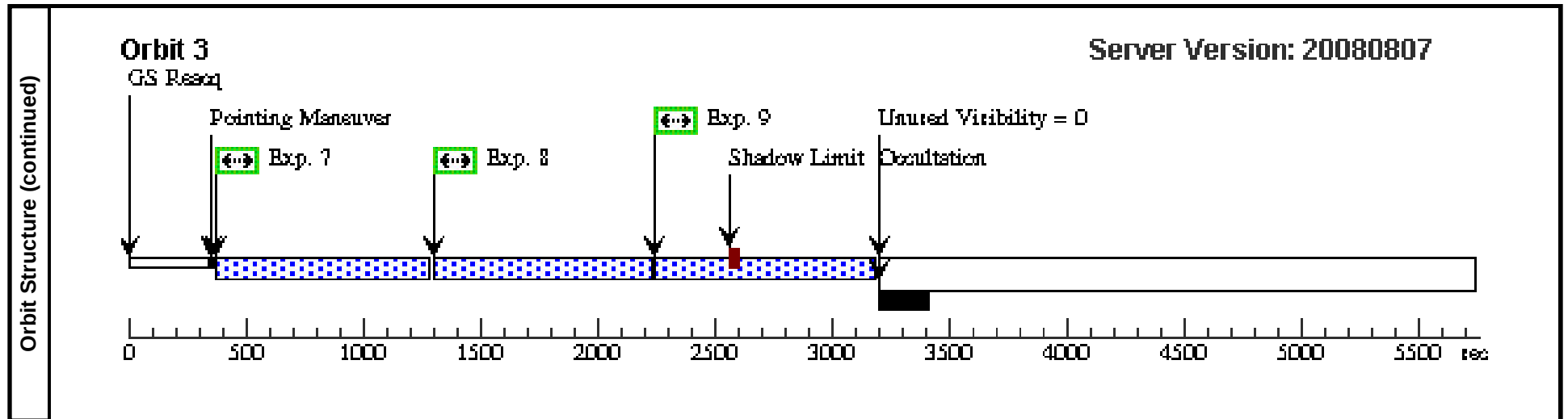




Proposal 11110 - Visit 04 - Searching for Lyman alpha Emission from FUSE Lyman Continuum Candidates

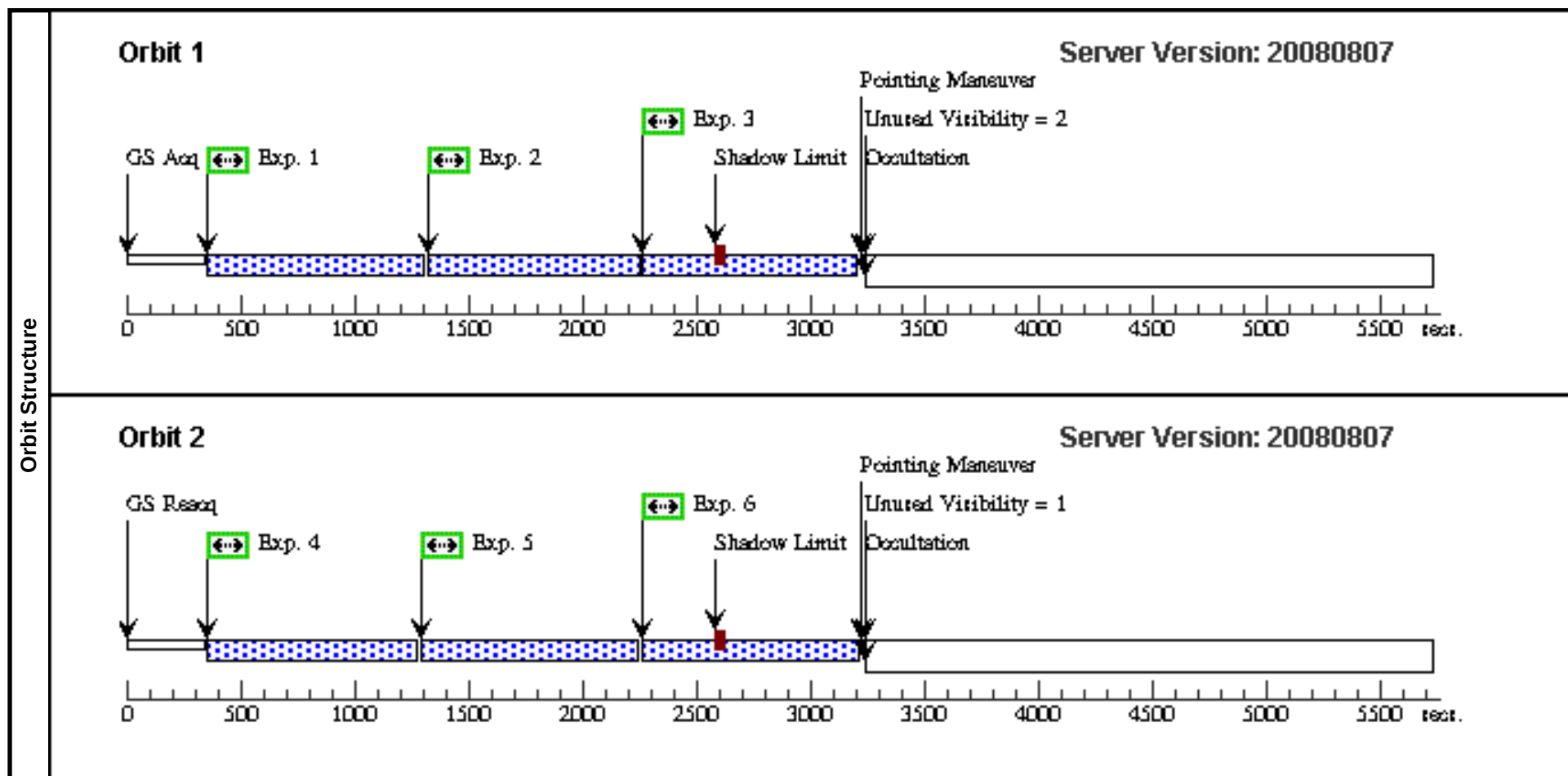
Visit	Proposal 11110, Visit 04, scheduling										Thu Oct 23 01:02:56 GMT 2008
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	Scientific Instruments: ACS/SBC										
	Special Requirements: (none)										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes		Miscellaneous		
	(4)	J130316.11+503714. Alt Name1: UGC8162	RA: 13 03 15.9000 (195.8162500d) Dec: +50 37 15.80 (50.62106d) Equinox: J2000				V=15.6 fuv = 1.1 e -14		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1	N3 140 orbit 1	(4) J130316.11+503714.	ACS/SBC, ACCUM, SBC-FIX	F140LP		SAME POS AS 2		900.0 Secs [==>878.0 Secs]	[1]	
	2	N3 125 orbit 1	(4) J130316.11+503714.	ACS/SBC, ACCUM, SBC-FIX	F125LP		SHADOW		900.0 Secs [==>878.0 Secs]	[1]	
	3	N3 150 orbit 1	(4) J130316.11+503714.	ACS/SBC, ACCUM, SBC-FIX	F150LP		SAME POS AS 2		900.0 Secs [==>878.0 Secs]	[1]	
	4	N3 150 orbit 2	(4) J130316.11+503714.	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 0.5,0.5		900.0 Secs [==>885.0 Secs]	[2]	
	5	N3 125 orbit 2	(4) J130316.11+503714.	ACS/SBC, ACCUM, SBC-FIX	F125LP		POS TARG 0.5,0.5; SHADOW		900.0 Secs [==>885.0 Secs]	[2]	
	6	N3 140 orbit 2	(4) J130316.11+503714.	ACS/SBC, ACCUM, SBC-FIX	F140LP		POS TARG 0.5,0.5		900.0 Secs [==>885.0 Secs]	[2]	
	7	N3 140 orbit 3	(4) J130316.11+503714.	ACS/SBC, ACCUM, SBC-FIX	F140LP		POS TARG 1.0,0.25		900.0 Secs [==>885.0 Secs]	[3]	
	8	N3 125 orbit 3	(4) J130316.11+503714.	ACS/SBC, ACCUM, SBC-FIX	F125LP		POS TARG 1.0,0.25; SHADOW		900.0 Secs [==>885.0 Secs]	[3]	
	9	N3 150 orbit 3	(4) J130316.11+503714.	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 1.0,0.25		900.0 Secs [==>885.0 Secs]	[3]	

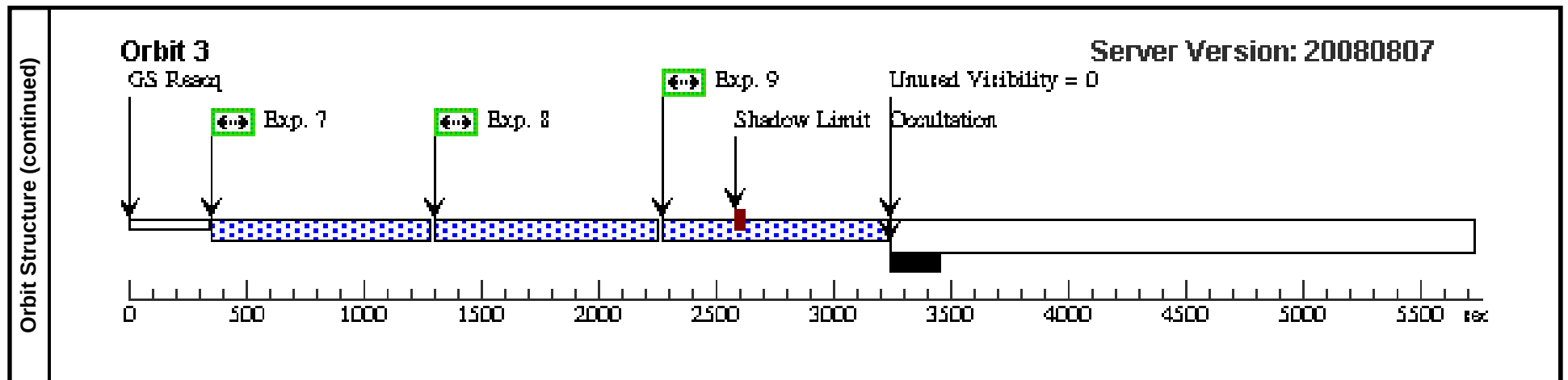




Proposal 11110 - Visit 05 - Searching for Lyman alpha Emission from FUSE Lyman Continuum Candidates

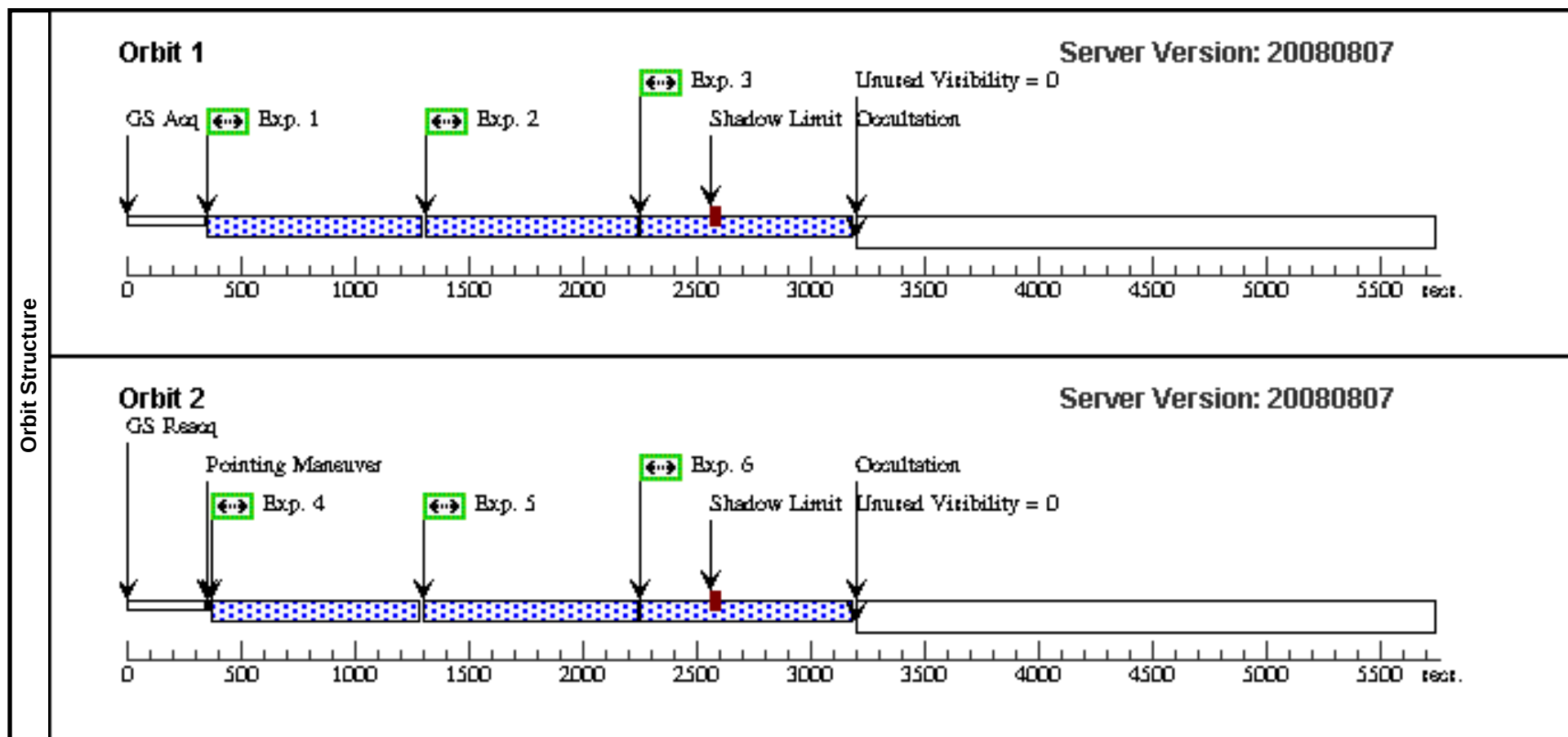
Visit	Proposal 11110, Visit 05, scheduling								Thu Oct 23 01:02:57 GMT 2008	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: ACS/SBC									
	Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(5)	J092238.18+605155. Alt Name1: UGC4973	RA: 09 22 38.1000 (140.6587500d) Dec: +60 51 56.90 (60.86581d) Equinox: J2000			V=14.9 fuv = 1.0 e -14		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	N4 140 orbit 1	(5) J092238.18+605155.	ACS/SBC, ACCUM, SBC-FIX	F140LP		SAME POS AS 2		900.0 Secs	
									[==>885.0 Secs]	[1]
	2	N4 125 orbit 1	(5) J092238.18+605155.	ACS/SBC, ACCUM, SBC-FIX	F125LP		SHADOW		900.0 Secs	
									[==>885.0 Secs]	[1]
	3	N4 150 orbit 1	(5) J092238.18+605155.	ACS/SBC, ACCUM, SBC-FIX	F150LP		SAME POS AS 2		900.0 Secs	
									[==>885.0 Secs]	[1]
	4	N4 150 orbit 2	(5) J092238.18+605155.	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 0.5,0.5		900.0 Secs	
									[==>899.0 Secs]	[2]
	5	N4 125 orbit 2	(5) J092238.18+605155.	ACS/SBC, ACCUM, SBC-FIX	F125LP		POS TARG 0.5,0.5; SHADOW		900.0 Secs	
								[==>899.0 Secs]	[2]	
6	N4 140 orbit 2	(5) J092238.18+605155.	ACS/SBC, ACCUM, SBC-FIX	F140LP		POS TARG 0.5,0.5		900.0 Secs		
								[==>899.0 Secs]	[2]	
7	N4 140 orbit 3	(5) J092238.18+605155.	ACS/SBC, ACCUM, SBC-FIX	F140LP		POS TARG 1.0,0.25		900.0 Secs		
								[==>906.0 Secs]	[3]	
8	N4 125 orbit 3	(5) J092238.18+605155.	ACS/SBC, ACCUM, SBC-FIX	F125LP		POS TARG 1.0,0.25; SHADOW		900.0 Secs		
								[==>906.0 Secs]	[3]	
9	N4 150 orbit 3	(5) J092238.18+605155.	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 1.0,0.25		900.0 Secs		
								[==>906.0 Secs]	[3]	

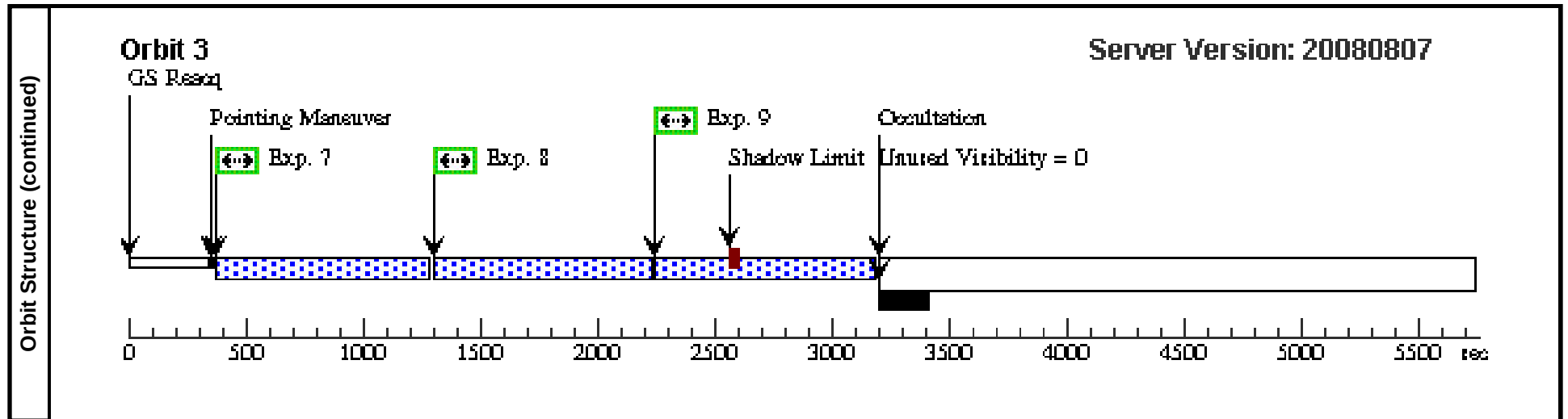




Proposal 11110 - Visit 06 - Searching for Lyman alpha Emission from FUSE Lyman Continuum Candidates

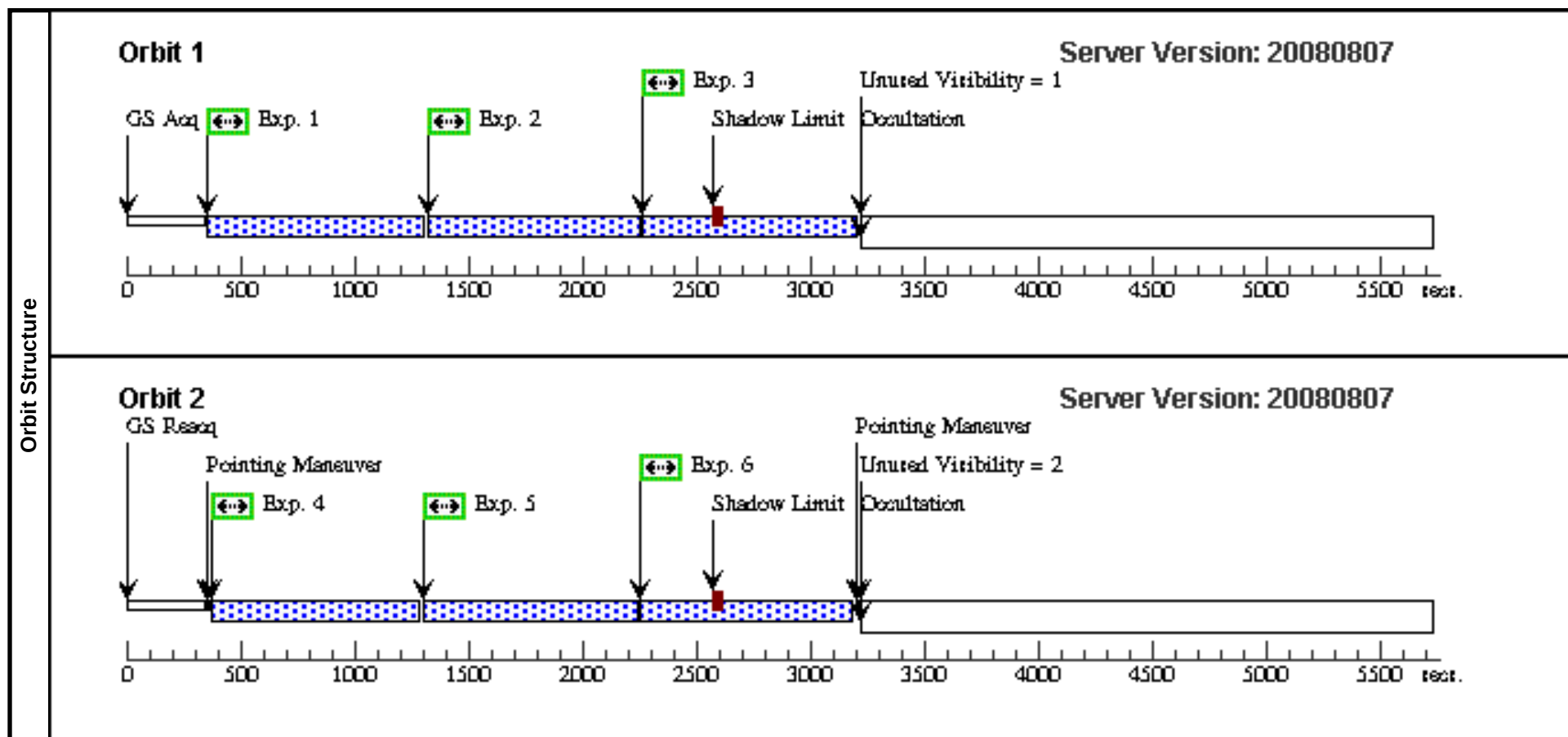
Visit	Proposal 11110, Visit 06, completed Thu Oct 23 01:02:57 GMT 2008									
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/SBC Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(6)	J161140.82+522726. Alt Name1: MRK496 Alt Name2: NGC6090	RA: 16 11 40.6000 (242.9191667d) Dec: +52 27 24.70 (52.45686d) Equinox: J2000			V=14 fuv = 1.4 e -14		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	N5 140 orbit 1	(6) J161140.82+522726.	ACS/SBC, ACCUM, SBC-FIX	F140LP		SAME POS AS 2		900.0 Secs [=>878.0 Secs]	[1]
	2	N5 125 orbit 1	(6) J161140.82+522726.	ACS/SBC, ACCUM, SBC-FIX	F125LP		SHADOW		900.0 Secs [=>878.0 Secs]	[1]
	3	N5 150 orbit 1	(6) J161140.82+522726.	ACS/SBC, ACCUM, SBC-FIX	F150LP		SAME POS AS 2		900.0 Secs [=>878.0 Secs]	[1]
	4	N5 150 orbit 2	(6) J161140.82+522726.	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 0.5,0.5		900.0 Secs [=>885.0 Secs]	[2]
	5	N5 125 orbit 2	(6) J161140.82+522726.	ACS/SBC, ACCUM, SBC-FIX	F125LP		POS TARG 0.5,0.5; SHADOW		900.0 Secs [=>885.0 Secs]	[2]
	6	N5 140 orbit 2	(6) J161140.82+522726.	ACS/SBC, ACCUM, SBC-FIX	F140LP		POS TARG 0.5,0.5		900.0 Secs [=>885.0 Secs]	[2]
	7	N5 140 orbit 3	(6) J161140.82+522726.	ACS/SBC, ACCUM, SBC-FIX	F140LP		POS TARG 1.0,0.25		900.0 Secs [=>885.0 Secs]	[3]
	8	N5 125 orbit 3	(6) J161140.82+522726.	ACS/SBC, ACCUM, SBC-FIX	F125LP		POS TARG 1.0,0.25; SHADOW		900.0 Secs [=>885.0 Secs]	[3]
	9	N5 150 orbit 3	(6) J161140.82+522726.	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 1.0,0.25		900.0 Secs [=>885.0 Secs]	[3]

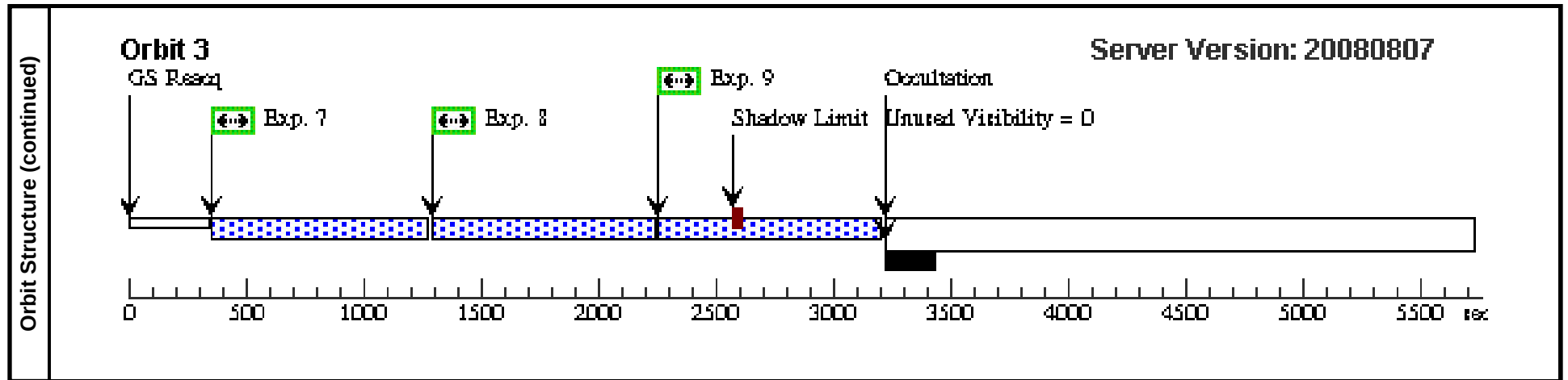




Proposal 11110 - Visit 07 - Searching for Lyman alpha Emission from FUSE Lyman Continuum Candidates

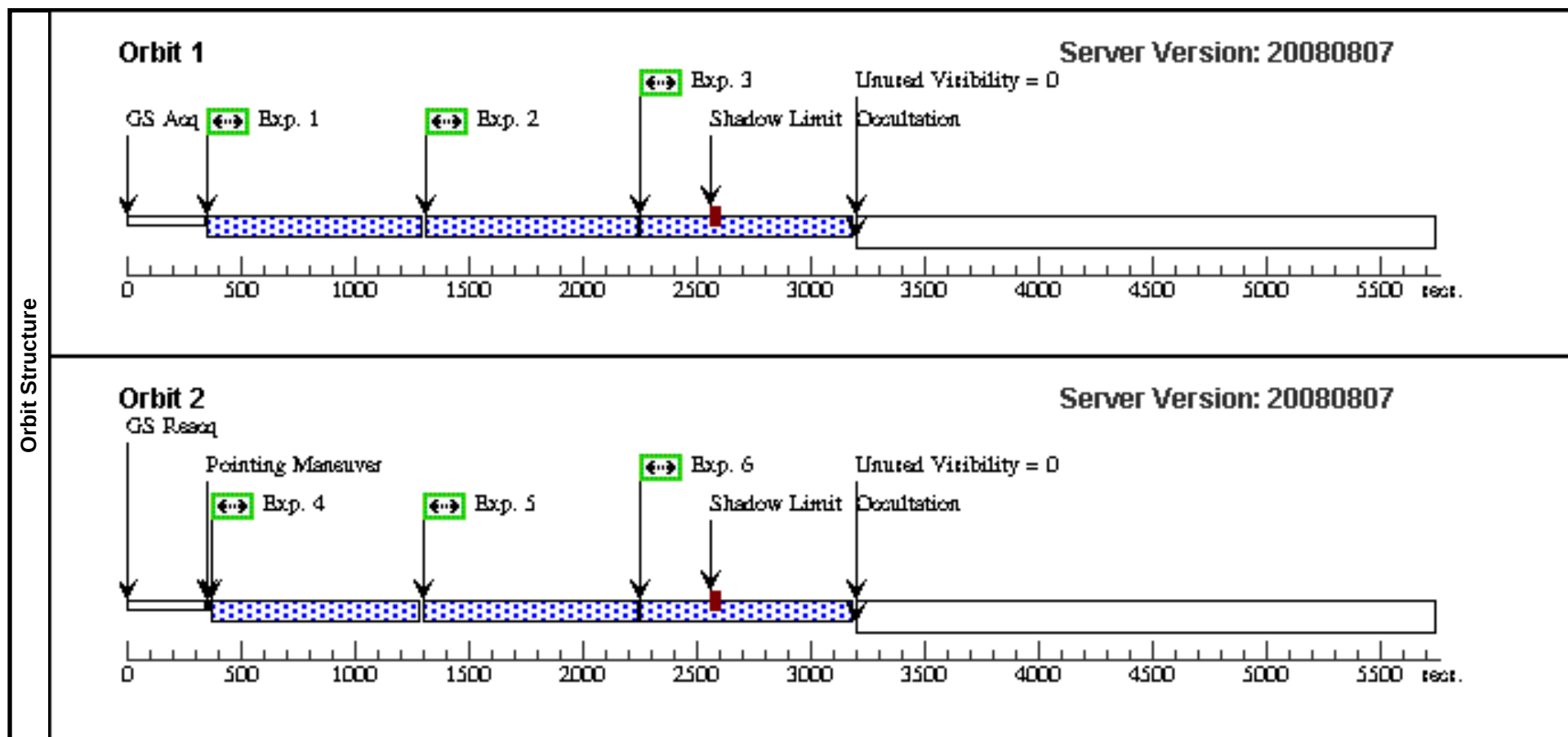
Visit	Proposal 11110, Visit 07, completed										Thu Oct 23 01:02:58 GMT 2008
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: ACS/SBC										
	Special Requirements: (none)										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes	Miscellaneous			
	(7)	J172204.77+590647. Alt Name1: FLSVLAG083	RA: 17 22 5.2000 (260.5216667d) Dec: +59 06 48.30 (59.11342d) Equinox: J2000				V=16 fuv = 0.9 e -14	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1	N6 140 orbit 1	(7) J172204.77+590647.	ACS/SBC, ACCUM, SBC-FIX	F140LP		SAME POS AS 2		900.0 Secs		
									[==>885.0 Secs]	[1]	
	2	N6 125 orbit 1	(7) J172204.77+590647.	ACS/SBC, ACCUM, SBC-FIX	F125LP		SHADOW		900.0 Secs		
									[==>885.0 Secs]	[1]	
	3	N6 150 orbit 1	(7) J172204.77+590647.	ACS/SBC, ACCUM, SBC-FIX	F150LP		SAME POS AS 2		900.0 Secs		
									[==>885.0 Secs]	[1]	
	4	N6 150 orbit 2	(7) J172204.77+590647.	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 0.5,0.5		900.0 Secs		
									[==>885.0 Secs]	[2]	
	5	N6 125 orbit 2	(7) J172204.77+590647.	ACS/SBC, ACCUM, SBC-FIX	F125LP		POS TARG 0.5,0.5; SHADOW		900.0 Secs		
									[==>885.0 Secs]	[2]	
	6	N6 140 orbit 2	(7) J172204.77+590647.	ACS/SBC, ACCUM, SBC-FIX	F140LP		POS TARG 0.5,0.5		900.0 Secs		
									[==>885.0 Secs]	[2]	
	7	N6 140 orbit 3	(7) J172204.77+590647.	ACS/SBC, ACCUM, SBC-FIX	F140LP		POS TARG 1.0,0.25		900.0 Secs		
									[==>899.0 Secs]	[3]	
	8	N6 125 orbit 3	(7) J172204.77+590647.	ACS/SBC, ACCUM, SBC-FIX	F125LP		POS TARG 1.0,0.25; SHADOW		900.0 Secs		
									[==>899.0 Secs]	[3]	
	9	N6 150 orbit 3	(7) J172204.77+590647.	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 1.0,0.25		900.0 Secs		
									[==>899.0 Secs]	[3]	

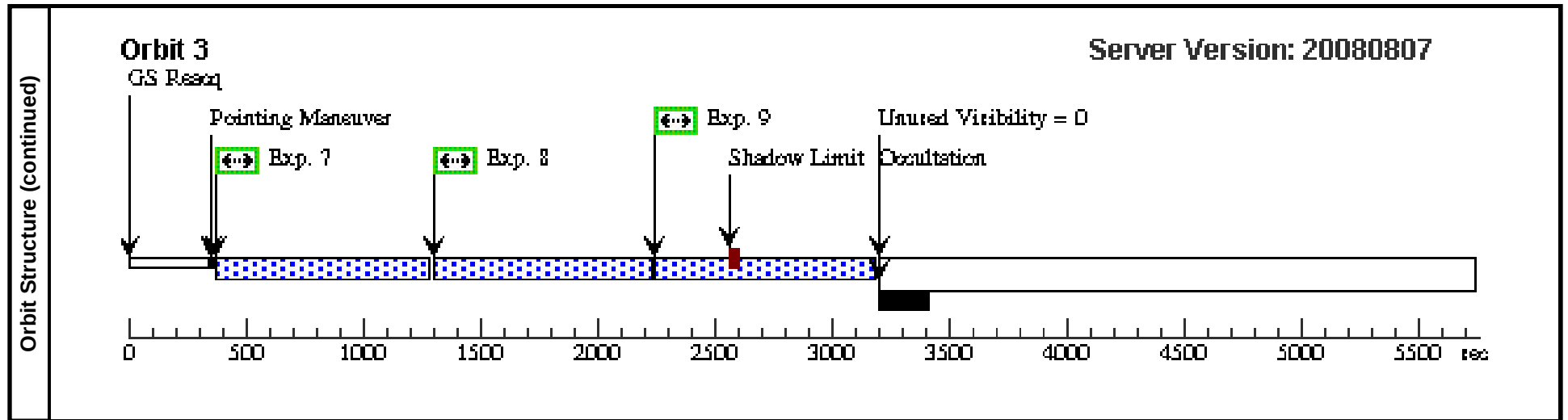




Proposal 11110 - Visit 08 - Searching for Lyman alpha Emission from FUSE Lyman Continuum Candidates

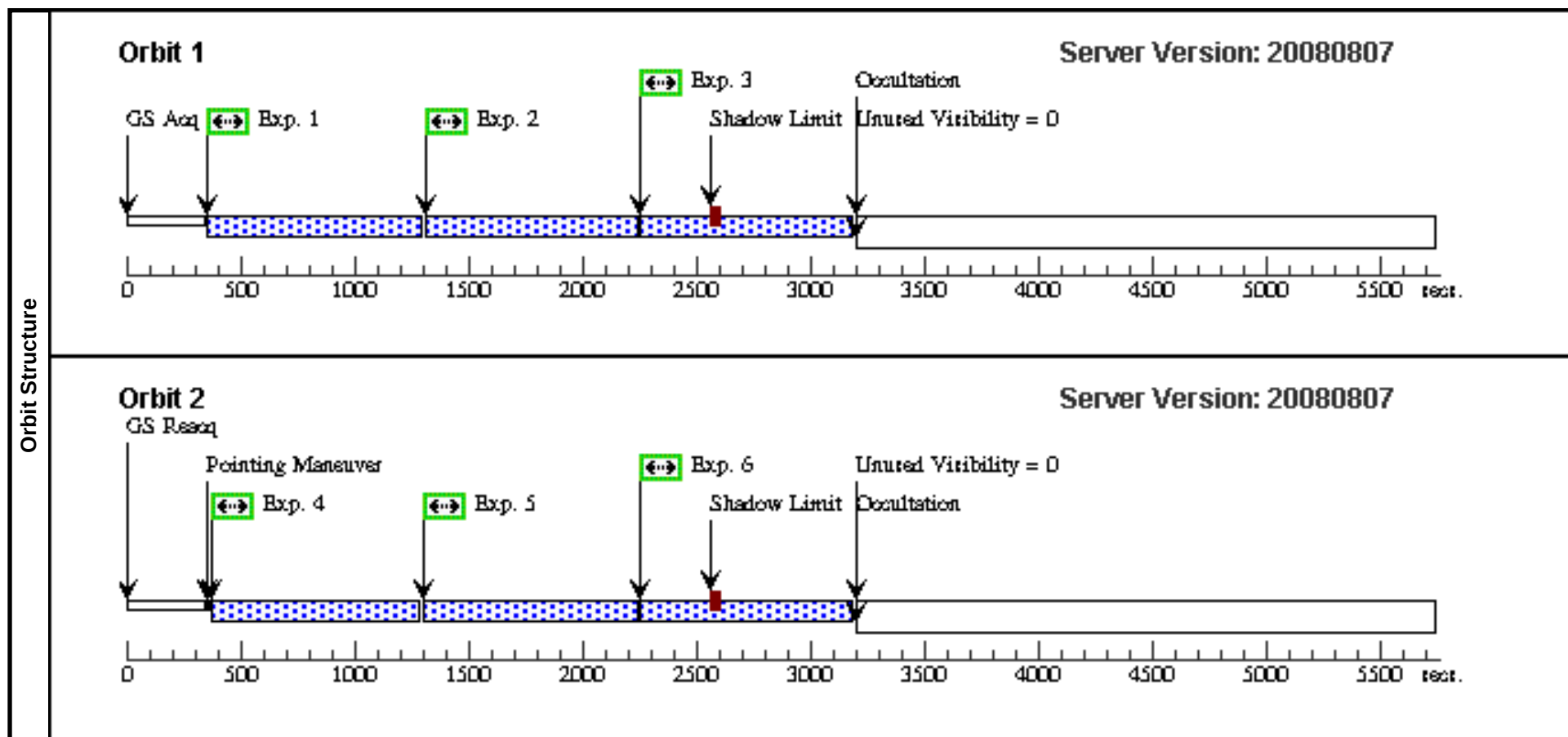
Visit	Proposal 11110, Visit 08, completed Thu Oct 23 01:02:58 GMT 2008									
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/SBC Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(8)	J130728.45+542652. Alt Name1: LEDA2816039	RA: 13 07 28.2000 (196.8675000d) Dec: +54 26 50.80 (54.44744d) Equinox: J2000			V=16 fuv = 0.8 e -14		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	N7 140 orbit 1	(8) J130728.45+542652.	ACS/SBC, ACCUM, SBC-FIX	F140LP		SAME POS AS 2		900.0 Secs	
									[=>878.0 Secs]	[1]
	2	N7 125 orbit 1	(8) J130728.45+542652.	ACS/SBC, ACCUM, SBC-FIX	F125LP		SHADOW		900.0 Secs	
									[=>878.0 Secs]	[1]
	3	N7 150 orbit 1	(8) J130728.45+542652.	ACS/SBC, ACCUM, SBC-FIX	F150LP		SAME POS AS 2		900.0 Secs	
									[=>878.0 Secs]	[1]
	4	N7 150 orbit 2	(8) J130728.45+542652.	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 0.5,0.5		900.0 Secs	
									[=>885.0 Secs]	[2]
	5	N7 125 orbit 2	(8) J130728.45+542652.	ACS/SBC, ACCUM, SBC-FIX	F125LP		POS TARG 0.5,0.5; SHADOW		900.0 Secs	
									[=>885.0 Secs]	[2]
	6	N7 140 orbit 2	(8) J130728.45+542652.	ACS/SBC, ACCUM, SBC-FIX	F140LP		POS TARG 0.5,0.5		900.0 Secs	
									[=>885.0 Secs]	[2]
	7	N7 140 orbit 3	(8) J130728.45+542652.	ACS/SBC, ACCUM, SBC-FIX	F140LP		POS TARG 1.0,0.25		900.0 Secs	
									[=>885.0 Secs]	[3]
	8	N7 125 orbit 3	(8) J130728.45+542652.	ACS/SBC, ACCUM, SBC-FIX	F125LP		POS TARG 1.0,0.25; SHADOW		900.0 Secs	
									[=>885.0 Secs]	[3]
	9	N7 150 orbit 3	(8) J130728.45+542652.	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 1.0,0.25		900.0 Secs	
									[=>885.0 Secs]	[3]

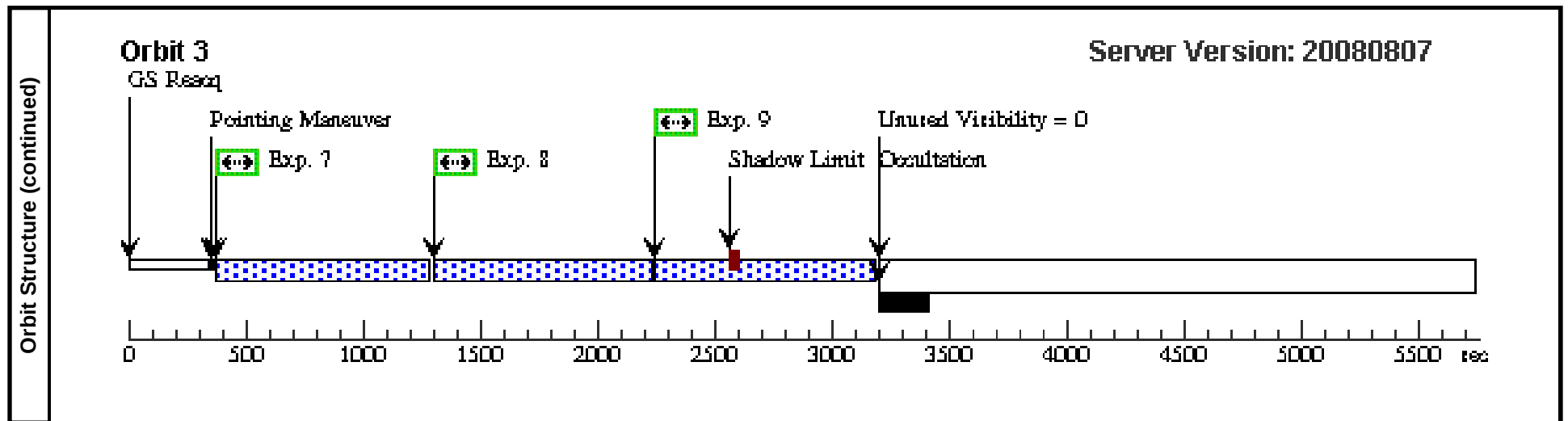




Proposal 11110 - Visit 09 - Searching for Lyman alpha Emission from FUSE Lyman Continuum Candidates

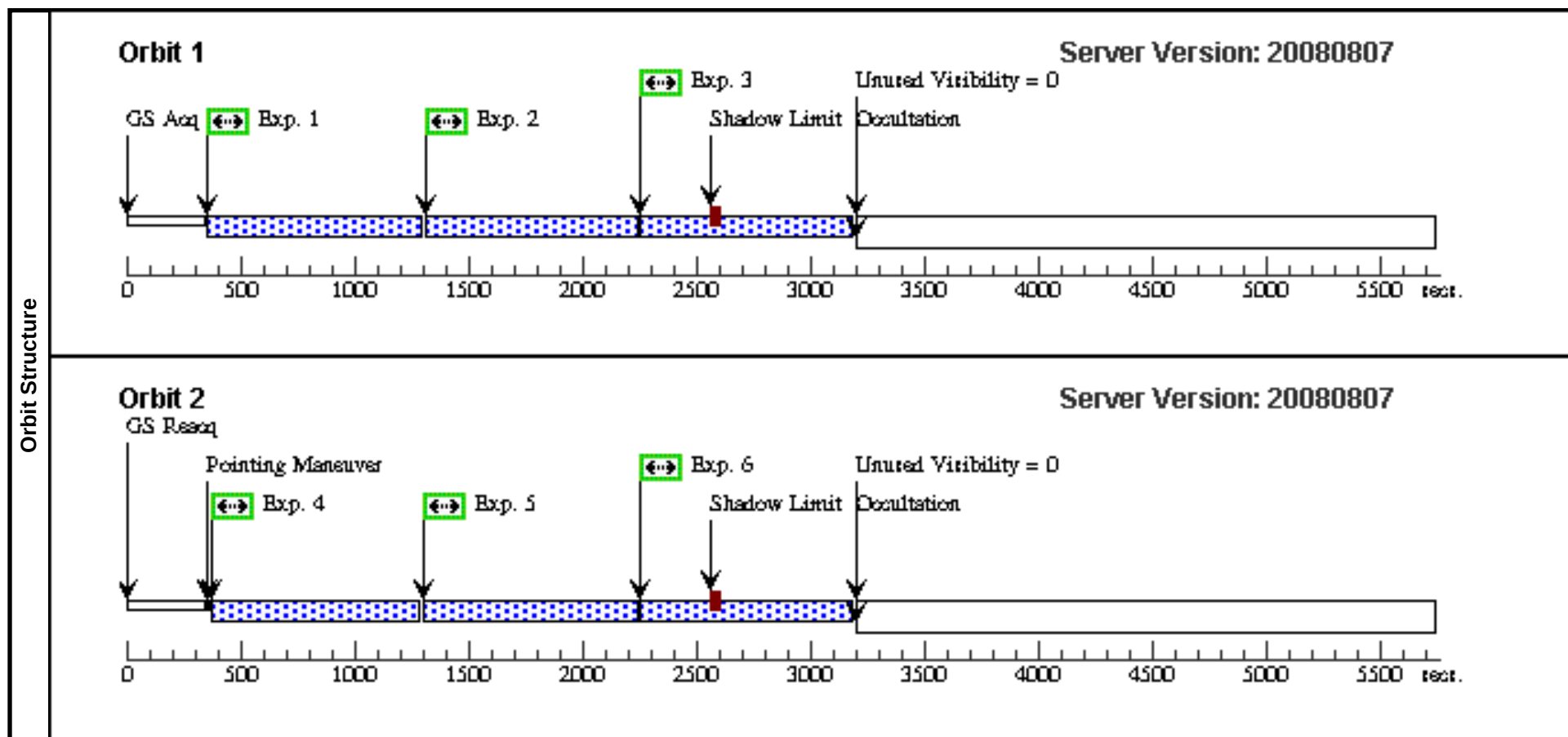
Visit	Proposal 11110, Visit 09, scheduling Thu Oct 23 01:02:59 GMT 2008									
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/SBC Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(9)	J092308.37+505007. Alt Name1: LEDA26572	RA: 09 23 8.5000 (140.7854167d) Dec: +50 50 8.00 (50.83556d) Equinox: J2000		V=15.5 fuv = 0.9 e -14	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	N8 140 orbit 1	(9) J092308.37+505007.	ACS/SBC, ACCUM, SBC-FIX	F140LP		SAME POS AS 2		900.0 Secs	
									[=>878.0 Secs]	[1]
	2	N8 125 orbit 1	(9) J092308.37+505007.	ACS/SBC, ACCUM, SBC-FIX	F125LP		SHADOW		900.0 Secs	
									[=>878.0 Secs]	[1]
	3	N8 150 orbit 1	(9) J092308.37+505007.	ACS/SBC, ACCUM, SBC-FIX	F150LP		SAME POS AS 2		900.0 Secs	
									[=>878.0 Secs]	[1]
	4	N8 150 orbit 2	(9) J092308.37+505007.	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 0.5,0.5		900.0 Secs	
									[=>885.0 Secs]	[2]
	5	N8 125 orbit 2	(9) J092308.37+505007.	ACS/SBC, ACCUM, SBC-FIX	F125LP		POS TARG 0.5,0.5; SHADOW		900.0 Secs	
									[=>885.0 Secs]	[2]
	6	N8 140 orbit 2	(9) J092308.37+505007.	ACS/SBC, ACCUM, SBC-FIX	F140LP		POS TARG 0.5,0.5		900.0 Secs	
									[=>885.0 Secs]	[2]
	7	N8 140 orbit 3	(9) J092308.37+505007.	ACS/SBC, ACCUM, SBC-FIX	F140LP		POS TARG 1.0,0.25		900.0 Secs	
									[=>885.0 Secs]	[3]
	8	N8 125 orbit 3	(9) J092308.37+505007.	ACS/SBC, ACCUM, SBC-FIX	F125LP		POS TARG 1.0,0.25; SHADOW		900.0 Secs	
									[=>885.0 Secs]	[3]
	9	N8 150 orbit 3	(9) J092308.37+505007.	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 1.0,0.25		900.0 Secs	
									[=>885.0 Secs]	[3]

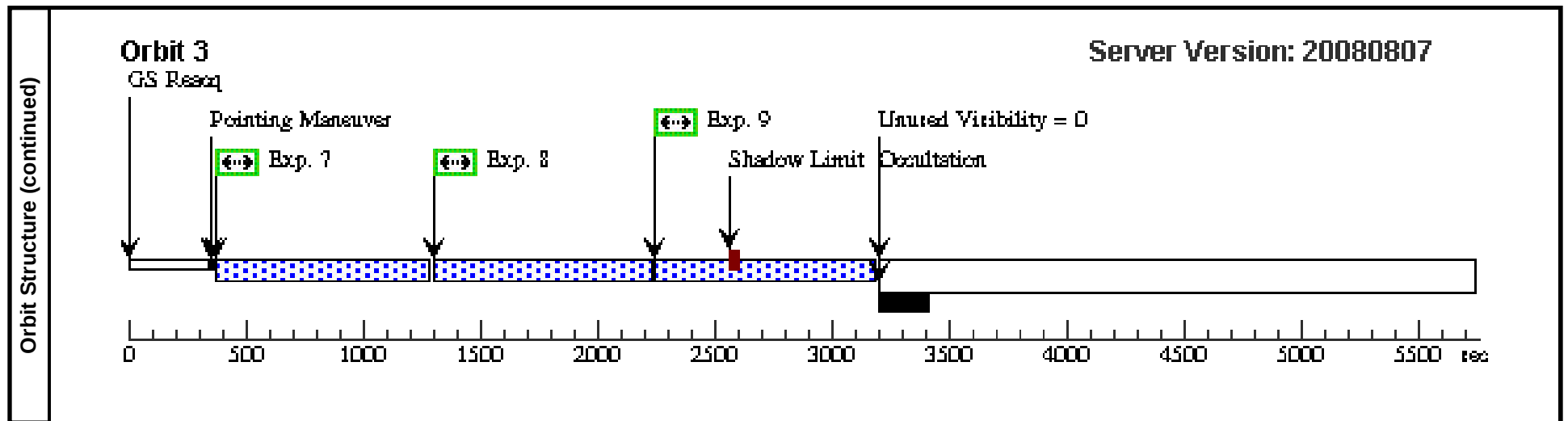




Proposal 11110 - Visit 10 - Searching for Lyman alpha Emission from FUSE Lyman Continuum Candidates

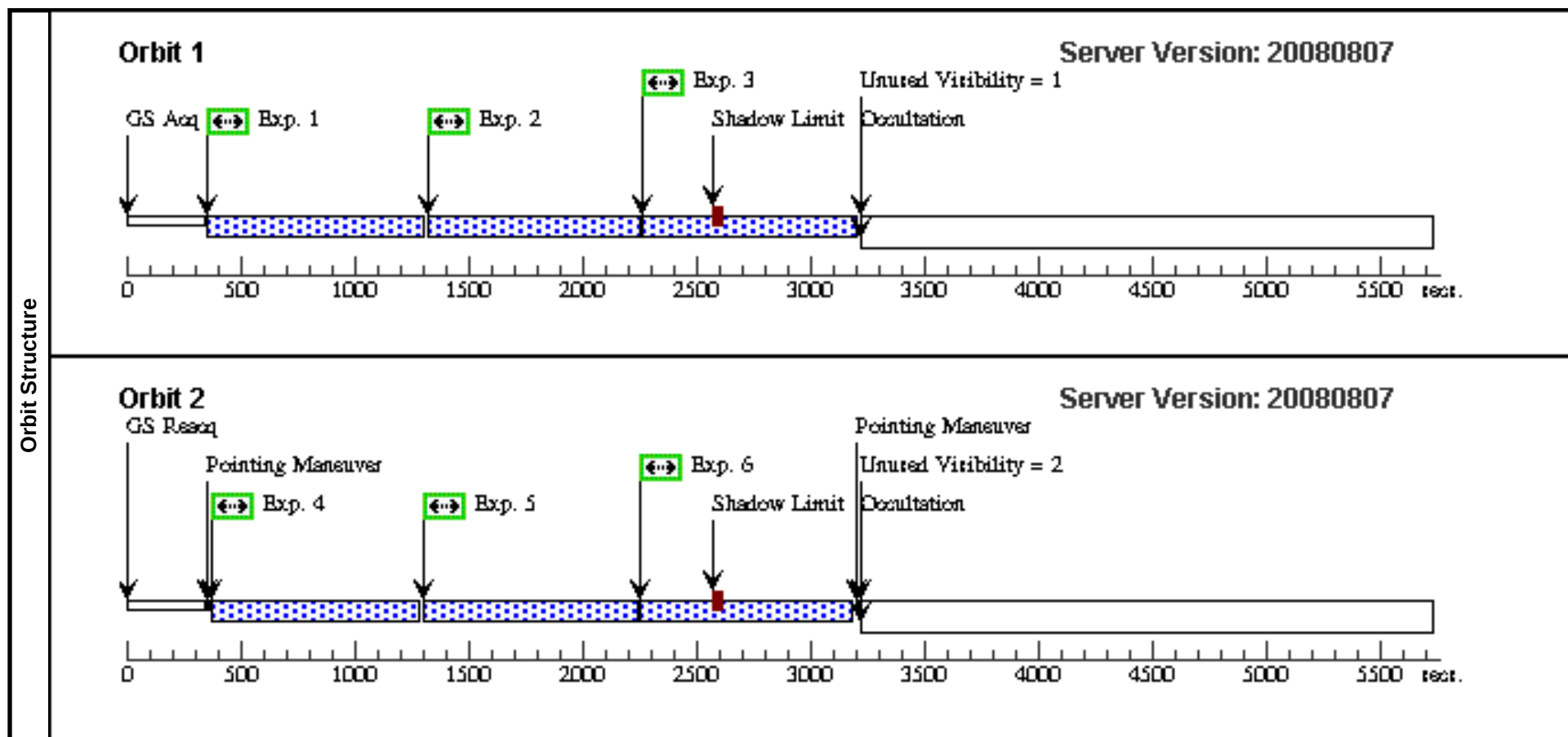
Visit	Proposal 11110, Visit 10, completed Thu Oct 23 01:02:59 GMT 2008									
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/SBC Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(10)	J134813.32+544750. Alt Name1: LEDA48954	RA: 13 48 13.1000 (207.0545833d) Dec: +54 47 50.10 (54.79725d) Equinox: J2000			V=15.2 fuv = 0.8 e -14		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	N9 140 orbit 1	(10) J134813.32+54 4750.	ACS/SBC, ACCUM, SBC-FIX	F140LP		SAME POS AS 2		900.0 Secs [=>878.0 Secs]	[1]
	2	N9 125 orbit 1	(10) J134813.32+54 4750.	ACS/SBC, ACCUM, SBC-FIX	F125LP		SHADOW		900.0 Secs [=>878.0 Secs]	[1]
	3	N9 150 orbit 1	(10) J134813.32+54 4750.	ACS/SBC, ACCUM, SBC-FIX	F150LP		SAME POS AS 2		900.0 Secs [=>878.0 Secs]	[1]
	4	N9 150 orbit 2	(10) J134813.32+54 4750.	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 0.5,0.5		900.0 Secs [=>885.0 Secs]	[2]
	5	N9 125 orbit 2	(10) J134813.32+54 4750.	ACS/SBC, ACCUM, SBC-FIX	F125LP		POS TARG 0.5,0.5; SHADOW		900.0 Secs [=>885.0 Secs]	[2]
	6	N9 140 orbit 2	(10) J134813.32+54 4750.	ACS/SBC, ACCUM, SBC-FIX	F140LP		POS TARG 0.5,0.5		900.0 Secs [=>885.0 Secs]	[2]
	7	N9 140 orbit 3	(10) J134813.32+54 4750.	ACS/SBC, ACCUM, SBC-FIX	F140LP		POS TARG 1.0,0.25		900.0 Secs [=>885.0 Secs]	[3]
	8	N9 125 orbit 3	(10) J134813.32+54 4750.	ACS/SBC, ACCUM, SBC-FIX	F125LP		POS TARG 1.0,0.25; SHADOW		900.0 Secs [=>885.0 Secs]	[3]
	9	N9 150 orbit 3	(10) J134813.32+54 4750.	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 1.0,0.25		900.0 Secs [=>885.0 Secs]	[3]

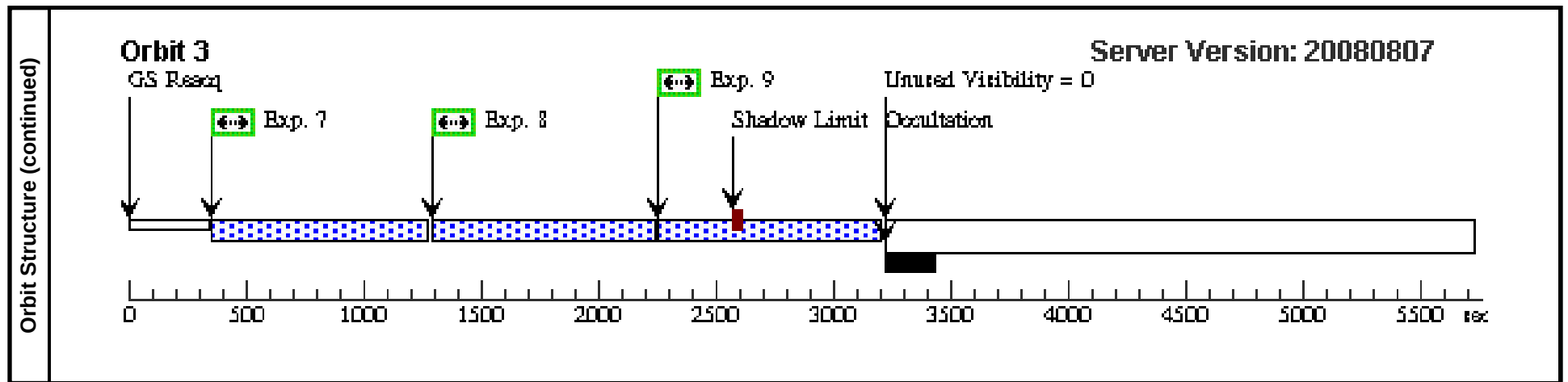




Proposal 11110 - Visit 11 - Searching for Lyman alpha Emission from FUSE Lyman Continuum Candidates

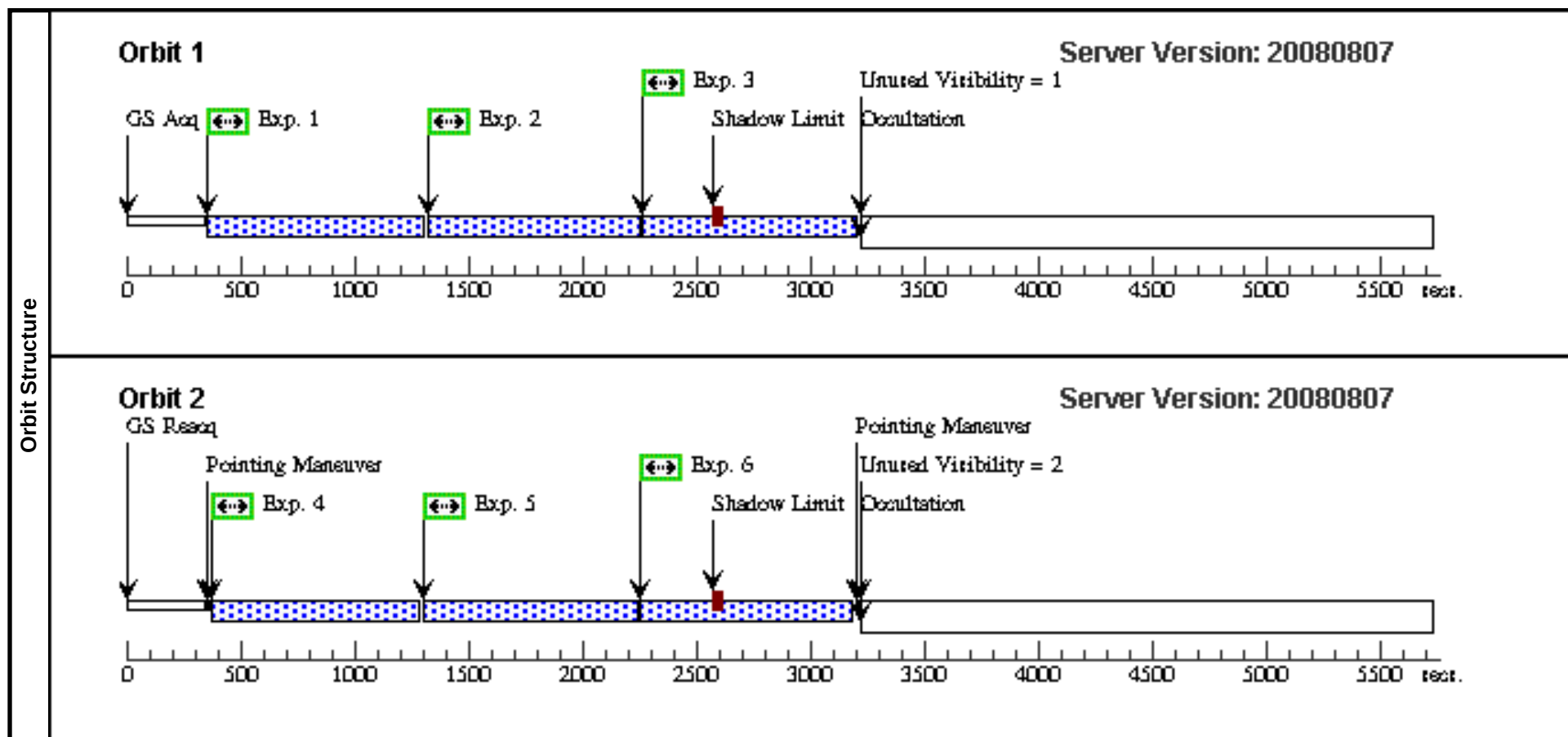
Visit	Proposal 11110, Visit 11, failed Thu Oct 23 01:03:00 GMT 2008									
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/SBC Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(11)	J104351.47+554542. Alt Name1: SBSG1040+560 Alt Name2: FIRSTJ104351.5+554542	RA: 10 43 51.5000 (160.9645833d) Dec: +55 45 42.90 (55.76192d) Equinox: J2000			V=15.5 fuv = 0.6 e -14		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	N10 140 orb it 1	(11) J104351.47+55 4542.	ACS/SBC, ACCUM, SBC-FIX	F140LP		SAME POS AS 2		900.0 Secs [=>885.0 Secs]	[1]
	2	N10 125 orb it 1	(11) J104351.47+55 4542.	ACS/SBC, ACCUM, SBC-FIX	F125LP		SHADOW		900.0 Secs [=>885.0 Secs]	[1]
	3	N10 150 orb it 1	(11) J104351.47+55 4542.	ACS/SBC, ACCUM, SBC-FIX	F150LP		SAME POS AS 2		900.0 Secs [=>885.0 Secs]	[1]
	4	N10 150 orb it 2	(11) J104351.47+55 4542.	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 0.5,0.5		900.0 Secs [=>885.0 Secs]	[2]
	5	N10 125 orb it 2	(11) J104351.47+55 4542.	ACS/SBC, ACCUM, SBC-FIX	F125LP		POS TARG 0.5,0.5; SHADOW		900.0 Secs [=>885.0 Secs]	[2]
	6	N10 140 orb it 2	(11) J104351.47+55 4542.	ACS/SBC, ACCUM, SBC-FIX	F140LP		POS TARG 0.5,0.5		900.0 Secs [=>885.0 Secs]	[2]
	7	N10 140 orb it 3	(11) J104351.47+55 4542.	ACS/SBC, ACCUM, SBC-FIX	F140LP		POS TARG 1.0,0.25		900.0 Secs [=>899.0 Secs]	[3]
	8	N10 125 orb it 3	(11) J104351.47+55 4542.	ACS/SBC, ACCUM, SBC-FIX	F125LP		POS TARG 1.0,0.25; SHADOW		900.0 Secs [=>899.0 Secs]	[3]
	9	N10 150 orb it 3	(11) J104351.47+55 4542.	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 1.0,0.25		900.0 Secs [=>899.0 Secs]	[3]

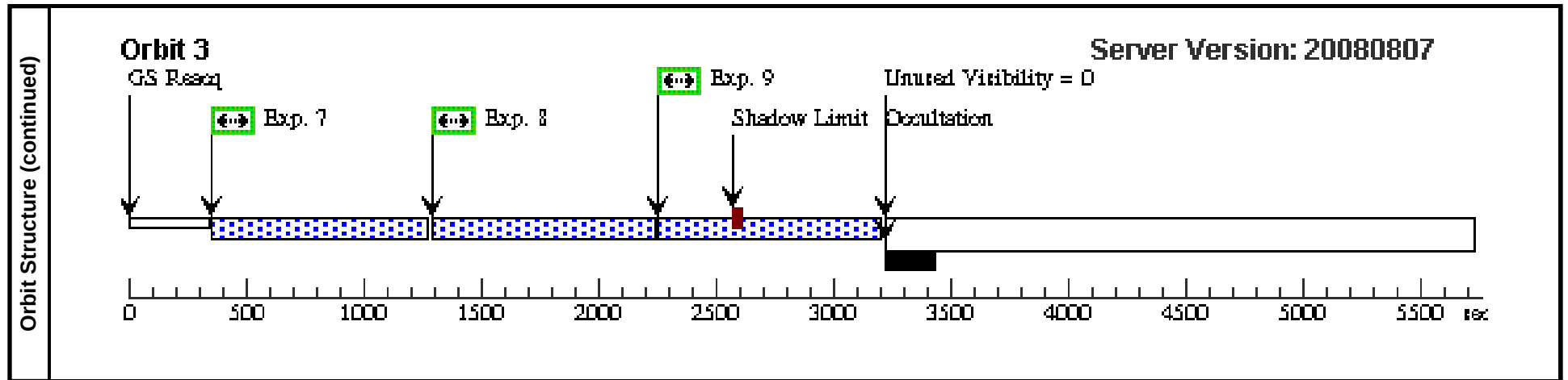




Proposal 11110 - Visit 15 - Searching for Lyman alpha Emission from FUSE Lyman Continuum Candidates

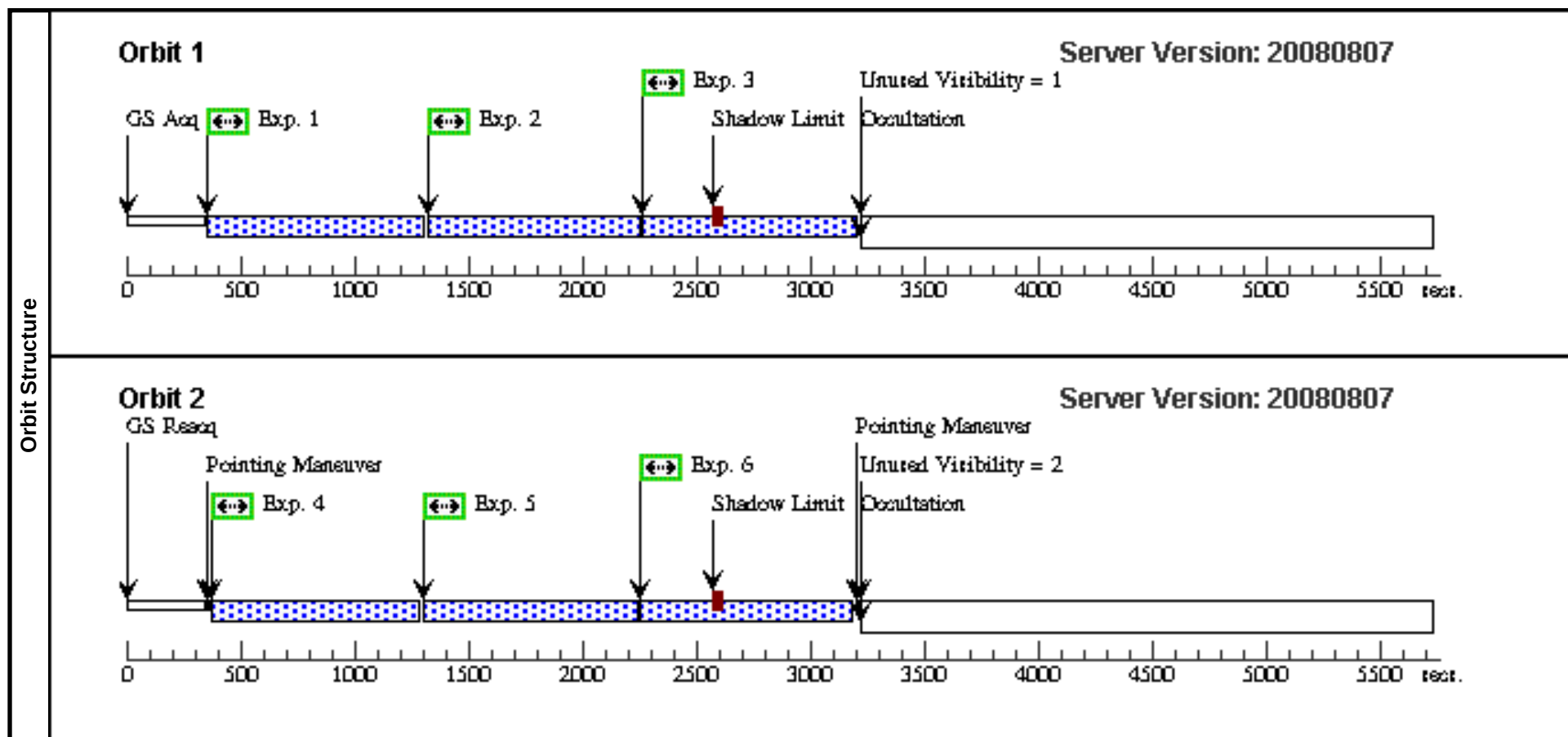
Visit	Proposal 11110, Visit 15									Thu Oct 23 01:03:01 GMT 2008
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: ACS/SBC									
	Special Requirements: (none)									
	Comments: Repeat of visit 11.									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes	Miscellaneous		
	(11)	J104351.47+554542. Alt Name1: SBSG1040+560 Alt Name2: FIRSTJ104351.5+554542	RA: 10 43 51.5000 (160.9645833d) Dec: +55 45 42.90 (55.76192d) Equinox: J2000				V=15.5 fuv = 0.6 e -14	Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	N10 140 orb it 1	(11) J104351.47+55 4542.	ACS/SBC, ACCUM, SBC-FIX	F140LP		SAME POS AS 2		900.0 Secs [==>885.0 Secs]	 [1]
	2	N10 125 orb it 1	(11) J104351.47+55 4542.	ACS/SBC, ACCUM, SBC-FIX	F125LP		SHADOW		900.0 Secs [==>885.0 Secs]	 [1]
	3	N10 150 orb it 1	(11) J104351.47+55 4542.	ACS/SBC, ACCUM, SBC-FIX	F150LP		SAME POS AS 2		900.0 Secs [==>885.0 Secs]	 [1]
	4	N10 150 orb it 2	(11) J104351.47+55 4542.	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 0.5,0.5		900.0 Secs [==>885.0 Secs]	 [2]
	5	N10 125 orb it 2	(11) J104351.47+55 4542.	ACS/SBC, ACCUM, SBC-FIX	F125LP		POS TARG 0.5,0.5; SHADOW		900.0 Secs [==>885.0 Secs]	 [2]
	6	N10 140 orb it 2	(11) J104351.47+55 4542.	ACS/SBC, ACCUM, SBC-FIX	F140LP		POS TARG 0.5,0.5		900.0 Secs [==>885.0 Secs]	 [2]
	7	N10 140 orb it 3	(11) J104351.47+55 4542.	ACS/SBC, ACCUM, SBC-FIX	F140LP		POS TARG 1.0,0.25		900.0 Secs [==>899.0 Secs]	 [3]
	8	N10 125 orb it 3	(11) J104351.47+55 4542.	ACS/SBC, ACCUM, SBC-FIX	F125LP		POS TARG 1.0,0.25; SHADOW		900.0 Secs [==>899.0 Secs]	 [3]
	9	N10 150 orb it 3	(11) J104351.47+55 4542.	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 1.0,0.25		900.0 Secs [==>899.0 Secs]	 [3]

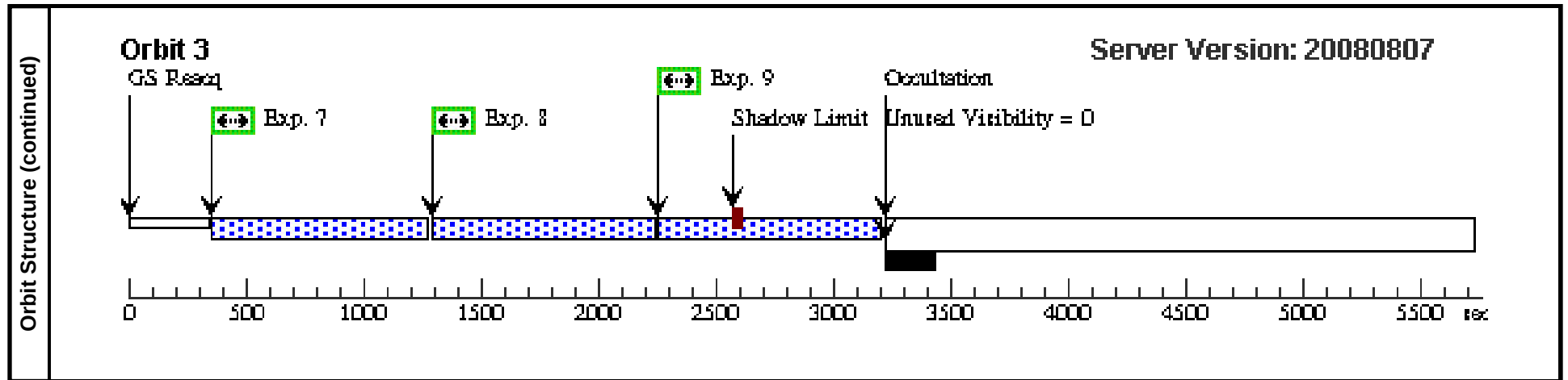




Proposal 11110 - Visit 12 - Searching for Lyman alpha Emission from FUSE Lyman Continuum Candidates

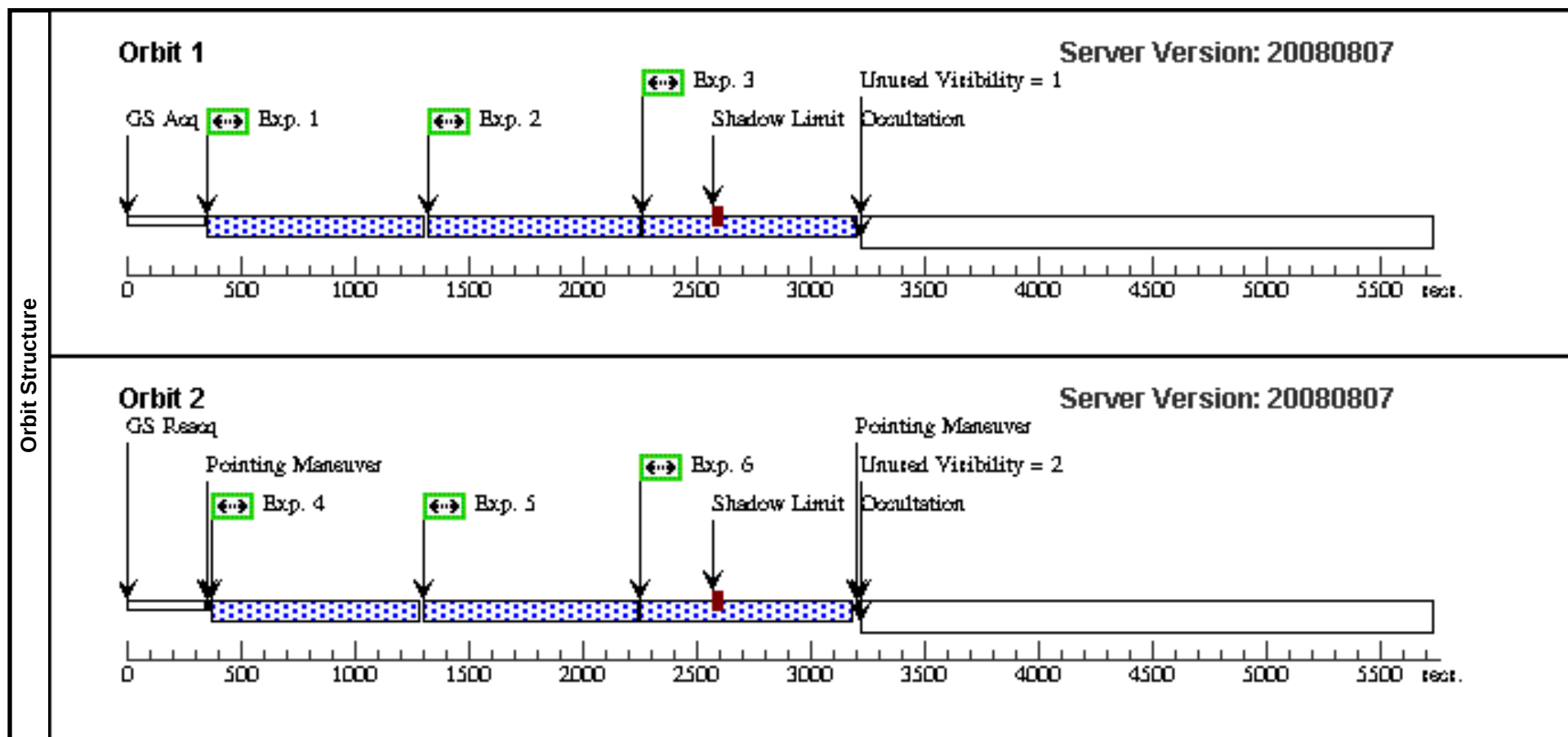
Visit	Proposal 11110, Visit 12, failed Thu Oct 23 01:03:01 GMT 2008									
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/SBC Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(12)	J105844.90+593038. Alt Name1: NGC3470 Alt Name2: UGC6060	RA: 10 58 44.7000 (164.6862500d) Dec: +59 30 37.10 (59.51031d) Equinox: J2000			V=14.3 fuv = 0.7 e- 14		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	N11 140 orb it 1	(12) J105844.90+593038.	ACS/SBC, ACCUM, SBC-FIX	F140LP		SAME POS AS 2		900.0 Secs [=>885.0 Secs]	[1]
	2	N11 125 orb it 1	(12) J105844.90+593038.	ACS/SBC, ACCUM, SBC-FIX	F125LP		SHADOW		900.0 Secs [=>885.0 Secs]	[1]
	3	N11 150 orb it 1	(12) J105844.90+593038.	ACS/SBC, ACCUM, SBC-FIX	F150LP		SAME POS AS 2		900.0 Secs [=>885.0 Secs]	[1]
	4	N11 150 orb it 2	(12) J105844.90+593038.	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 0.5,0.5		900.0 Secs [=>885.0 Secs]	[2]
	5	N11 125 orb it 2	(12) J105844.90+593038.	ACS/SBC, ACCUM, SBC-FIX	F125LP		POS TARG 0.5,0.5; SHADOW		900.0 Secs [=>885.0 Secs]	[2]
	6	N11 140 orb it 2	(12) J105844.90+593038.	ACS/SBC, ACCUM, SBC-FIX	F140LP		POS TARG 0.5,0.5		900.0 Secs [=>885.0 Secs]	[2]
	7	N11 140 orb it 3	(12) J105844.90+593038.	ACS/SBC, ACCUM, SBC-FIX	F140LP		POS TARG 1.0,0.25		900.0 Secs [=>899.0 Secs]	[3]
	8	N11 125 orb it 3	(12) J105844.90+593038.	ACS/SBC, ACCUM, SBC-FIX	F125LP		POS TARG 1.0,0.25; SHADOW		900.0 Secs [=>899.0 Secs]	[3]
	9	N11 150 orb it 3	(12) J105844.90+593038.	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 1.0,0.25		900.0 Secs [=>899.0 Secs]	[3]

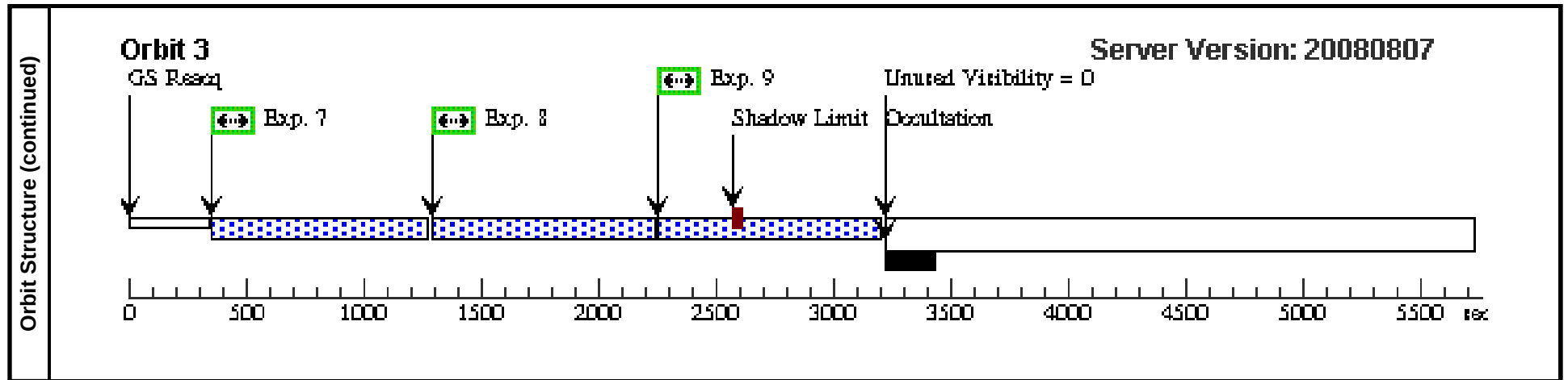




Proposal 11110 - Visit 16 - Searching for Lyman alpha Emission from FUSE Lyman Continuum Candidates

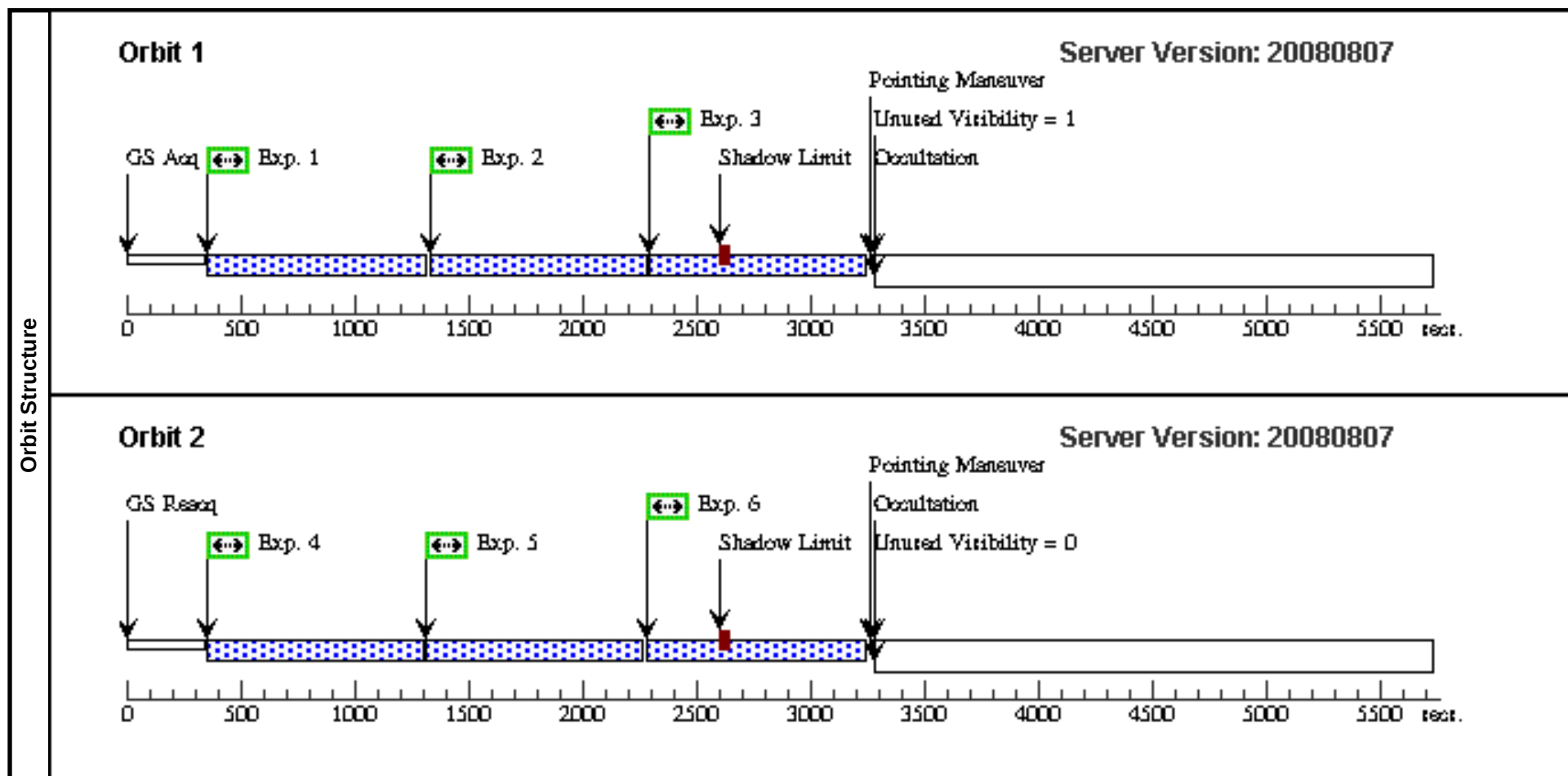
Visit	Proposal 11110, Visit 16										Thu Oct 23 01:03:02 GMT 2008
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: ACS/SBC										
	Special Requirements: (none)										
	Comments: Repeat of visit 12.										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(12)	J105844.90+593038.	RA: 10 58 44.7000 (164.6862500d)				V=14.3		Reference Frame: ICRS		
		Alt Name1: NGC3470	Dec: +59 30 37.10 (59.51031d)				fuv = 0.7 e- 14				
		Alt Name2: UGC6060	Equinox: J2000								
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	N11 140 orb it 1	(12) J105844.90+59 3038.	ACS/SBC, ACCUM, SBC-FIX	F140LP		SAME POS AS 2		900.0 Secs		
									[==>885.0 Secs]		[1]
	2	N11 125 orb it 1	(12) J105844.90+59 3038.	ACS/SBC, ACCUM, SBC-FIX	F125LP		SHADOW		900.0 Secs		
									[==>885.0 Secs]		[1]
	3	N11 150 orb it 1	(12) J105844.90+59 3038.	ACS/SBC, ACCUM, SBC-FIX	F150LP		SAME POS AS 2		900.0 Secs		
									[==>885.0 Secs]		[1]
	4	N11 150 orb it 2	(12) J105844.90+59 3038.	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 0.5,0.5		900.0 Secs		
									[==>885.0 Secs]		[2]
	5	N11 125 orb it 2	(12) J105844.90+59 3038.	ACS/SBC, ACCUM, SBC-FIX	F125LP		POS TARG 0.5,0.5; SHADOW		900.0 Secs		
									[==>885.0 Secs]		[2]
	6	N11 140 orb it 2	(12) J105844.90+59 3038.	ACS/SBC, ACCUM, SBC-FIX	F140LP		POS TARG 0.5,0.5		900.0 Secs		
									[==>885.0 Secs]		[2]
	7	N11 140 orb it 3	(12) J105844.90+59 3038.	ACS/SBC, ACCUM, SBC-FIX	F140LP		POS TARG 1.0,0.25		900.0 Secs		
								[==>899.0 Secs]		[3]	
8	N11 125 orb it 3	(12) J105844.90+59 3038.	ACS/SBC, ACCUM, SBC-FIX	F125LP		POS TARG 1.0,0.25; SHADOW		900.0 Secs			
								[==>899.0 Secs]		[3]	
9	N11 150 orb it 3	(12) J105844.90+59 3038.	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 1.0,0.25		900.0 Secs			
								[==>899.0 Secs]		[3]	

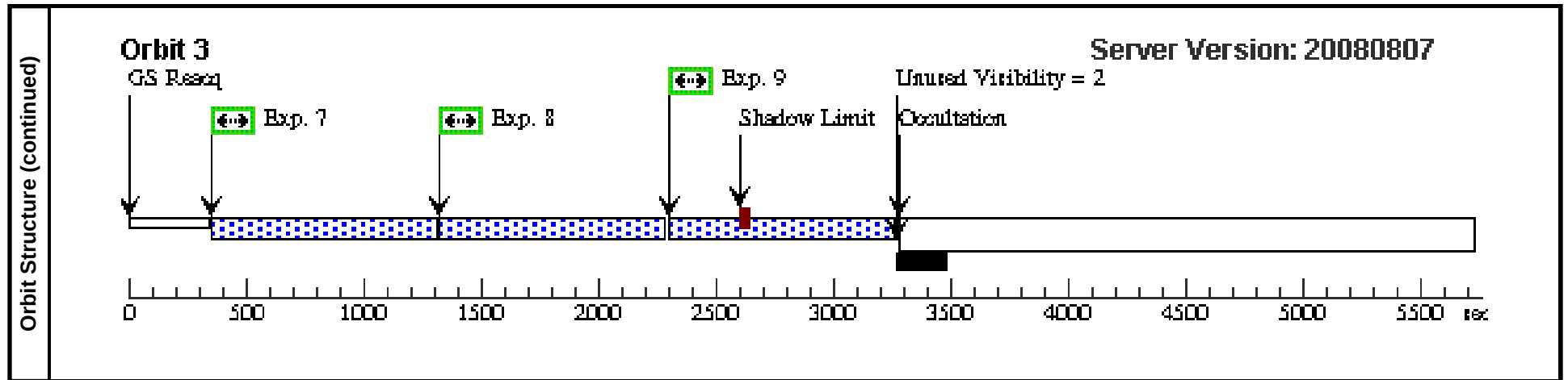




Proposal 11110 - Visit 13 - Searching for Lyman alpha Emission from FUSE Lyman Continuum Candidates

Visit	Proposal 11110, Visit 13, completed Thu Oct 23 01:03:02 GMT 2008									
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/SBC Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(13)	J111827.87+650155. Alt Name1: UGC6316B	RA: 11 18 27.6000 (169.6150000d) Dec: +65 01 57.50 (65.03264d) Equinox: J2000			V=15 fuv = 0.7 e-14		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	N12 140 orb it 1	(13) J111827.87+65 0155.	ACS/SBC, ACCUM, SBC-FIX	F140LP		SAME POS AS 2		900.0 Secs [=>898.0 Secs]	[1]
	2	N12 125 orb it 1	(13) J111827.87+65 0155.	ACS/SBC, ACCUM, SBC-FIX	F125LP		SHADOW		900.0 Secs [=>898.0 Secs]	[1]
	3	N12 150 orb it 1	(13) J111827.87+65 0155.	ACS/SBC, ACCUM, SBC-FIX	F150LP		SAME POS AS 2		900.0 Secs [=>898.0 Secs]	[1]
	4	N12 140 orb it 2	(13) J111827.87+65 0155.	ACS/SBC, ACCUM, SBC-FIX	F140LP		POS TARG 0.5,0.5		900.0 Secs [=>906.0 Secs]	[2]
	5	N12 125 orb it 2	(13) J111827.87+65 0155.	ACS/SBC, ACCUM, SBC-FIX	F125LP		POS TARG 0.5,0.5; SHADOW		900.0 Secs [=>906.0 Secs]	[2]
	6	N12 150 orb it 2	(13) J111827.87+65 0155.	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 0.5,0.5		900.0 Secs [=>906.0 Secs]	[2]
	7	N12 140 orb it 3	(13) J111827.87+65 0155.	ACS/SBC, ACCUM, SBC-FIX	F140LP		POS TARG 1.0,0.25		900.0 Secs [=>912.0 Secs]	[3]
	8	N12 125 orb it 3	(13) J111827.87+65 0155.	ACS/SBC, ACCUM, SBC-FIX	F125LP		POS TARG 1.0,0.25; SHADOW		900.0 Secs [=>912.0 Secs]	[3]
	9	N12 150 orb it 3	(13) J111827.87+65 0155.	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 1.0,0.25		900.0 Secs [=>912.0 Secs]	[3]





Proposal 11110 - Visit 14 - Searching for Lyman alpha Emission from FUSE Lyman Continuum Candidates

Visit	Proposal 11110, Visit 14, completed Thu Oct 23 01:03:02 GMT 2008									
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/SBC Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(14)	J132109.07+590605. Alt Name1: MRK65	RA: 13 21 9.0000 (200.2875000d) Dec: +59 06 5.50 (59.10153d) Equinox: J2000			V=15.5 fuv = 0.7 e-14		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	N13 140 orb it 1	(14) J132109.07+59 0605.	ACS/SBC, ACCUM, SBC-FIX	F140LP		SAME POS AS 2		900.0 Secs [=>885.0 Secs]	[1]
	2	N13 125 orb it 1	(14) J132109.07+59 0605.	ACS/SBC, ACCUM, SBC-FIX	F125LP		SHADOW		900.0 Secs [=>885.0 Secs]	[1]
	3	N13 150 orb it 1	(14) J132109.07+59 0605.	ACS/SBC, ACCUM, SBC-FIX	F150LP		SAME POS AS 2		900.0 Secs [=>885.0 Secs]	[1]
	4	N13 150 orb it 2	(14) J132109.07+59 0605.	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 0.5,0.5		900.0 Secs [=>885.0 Secs]	[2]
	5	N13 125 orb it 2	(14) J132109.07+59 0605.	ACS/SBC, ACCUM, SBC-FIX	F125LP		POS TARG 0.5,0.5; SHADOW		900.0 Secs [=>885.0 Secs]	[2]
	6	N13 140 orb it 2	(14) J132109.07+59 0605.	ACS/SBC, ACCUM, SBC-FIX	F140LP		POS TARG 0.5,0.5		900.0 Secs [=>885.0 Secs]	[2]
	7	N13 140 orb it 3	(14) J132109.07+59 0605.	ACS/SBC, ACCUM, SBC-FIX	F140LP		POS TARG 1.0,0.25		900.0 Secs [=>899.0 Secs]	[3]
	8	N13 125 orb it 3	(14) J132109.07+59 0605.	ACS/SBC, ACCUM, SBC-FIX	F125LP		POS TARG 1.0,0.25; SHADOW		900.0 Secs [=>899.0 Secs]	[3]
	9	N13 150 orb it 3	(14) J132109.07+59 0605.	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 1.0,0.25		900.0 Secs [=>899.0 Secs]	[3]

