



14168 - COS Views of He II Emitting Star Forming Galaxies: Preparing for the JWST Era

Cycle: 23, Proposal Category: GO

(UV Initiative)

(Availability Mode: SUPPORTED)

INVESTIGATORS

<i>Name</i>	<i>Institution</i>	<i>E-Mail</i>
Prof. Daniel P. Stark (PI) (Contact)	University of Arizona	dpstark@email.arizona.edu
Dr. Stephane Charlot (CoI) (ESA Member)	CNRS, Institut d'Astrophysique de Paris	charlot@iap.fr
Dr. Anna Feltre (CoI) (ESA Member)	CNRS, Institut d'Astrophysique de Paris	feltre@iap.fr
Julia Gutkin (CoI) (ESA Member)	CNRS, Institut d'Astrophysique de Paris	gutkin@iap.fr
Ramesh Mainali (CoI)	University of Arizona	rmainali@email.arizona.edu
Alba Vidal (CoI) (ESA Member)	CNRS, Institut d'Astrophysique de Paris	vidal@iap.fr
Dr. Aida H. Wofford (CoI) (ESA Member)	CNRS, Institut d'Astrophysique de Paris	wofford@iap.fr

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) SDSSJ094256+092816	COS/FUV COS/NUV	2	05-Nov-2015 21:16:35.0	yes
02	(2) SDSSJ112914+203452	COS/FUV COS/NUV	2	05-Nov-2015 21:16:38.0	yes
03	(3) SDSSJ123048+120242	COS/FUV COS/NUV	2	05-Nov-2015 21:16:40.0	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>
04	(4) SDSSJ121518+203826	COS/FUV COS/NUV	2	05-Nov-2015 21:16:42.0	yes
05	(5) SDSSJ114827+254611	COS/FUV COS/NUV	2	05-Nov-2015 21:16:44.0	yes
06	(6) SDSSJ115528+573952	COS/FUV COS/NUV	2	05-Nov-2015 21:16:46.0	yes
07	(7) SDSSJ122225+043404	COS/FUV COS/NUV	2	05-Nov-2015 21:16:48.0	yes
08	(8) SDSSJ094401-003832	COS/FUV COS/NUV	2	05-Nov-2015 21:16:50.0	yes
09	(9) SDSSJ102429+052451	COS/FUV COS/NUV	2	05-Nov-2015 21:16:53.0	yes
10	(10) SDSSJ094252+354726	COS/FUV COS/NUV	2	05-Nov-2015 21:16:55.0	yes

20 Total Orbits Used

ABSTRACT

Over the last year, our first glimpse of the spectral properties of $z \sim 7$ galaxies has emerged. Deep UV spectra have revealed very prominent emission from nebular CIII] and CIV, pointing to an extreme radiation field in reionization-era systems. This is a significant departure from typical galaxy spectra at $z \sim 2-3$. The importance of these UV lines will increase greatly in the near future, as they will likely be the only way we can characterize the spectra of the most distant ($z > 10$) galaxies JWST will be able to detect. Unfortunately we are currently completely unprepared to interpret these features, in large part because UV templates of nearby star forming systems with very hard ionizing spectra are absent. Here we propose to remedy this shortcoming by obtaining COS UV spectra of 10 nearby star forming galaxies that are known to have hard ionizing spectra from their optical spectra. Using the G160M and G185M gratings, we will characterize the strength of four diagnostic UV lines (CIV, He II, OIII], CIII]). The data will provide new insight into the nature of massive stars that power high ionization emission lines, demonstrating whether nearby star forming systems ever produce UV equivalent widths as large as are now being observed at high redshift. The spectra will be used to calibrate the UV spectral models that will become commonplace in the JWST era. If this UV spectral database is not obtained while COS is still operating, there are bound to be large systematic uncertainties in our understanding of the nature of the most distant galaxies that JWST finds.

OBSERVING DESCRIPTION

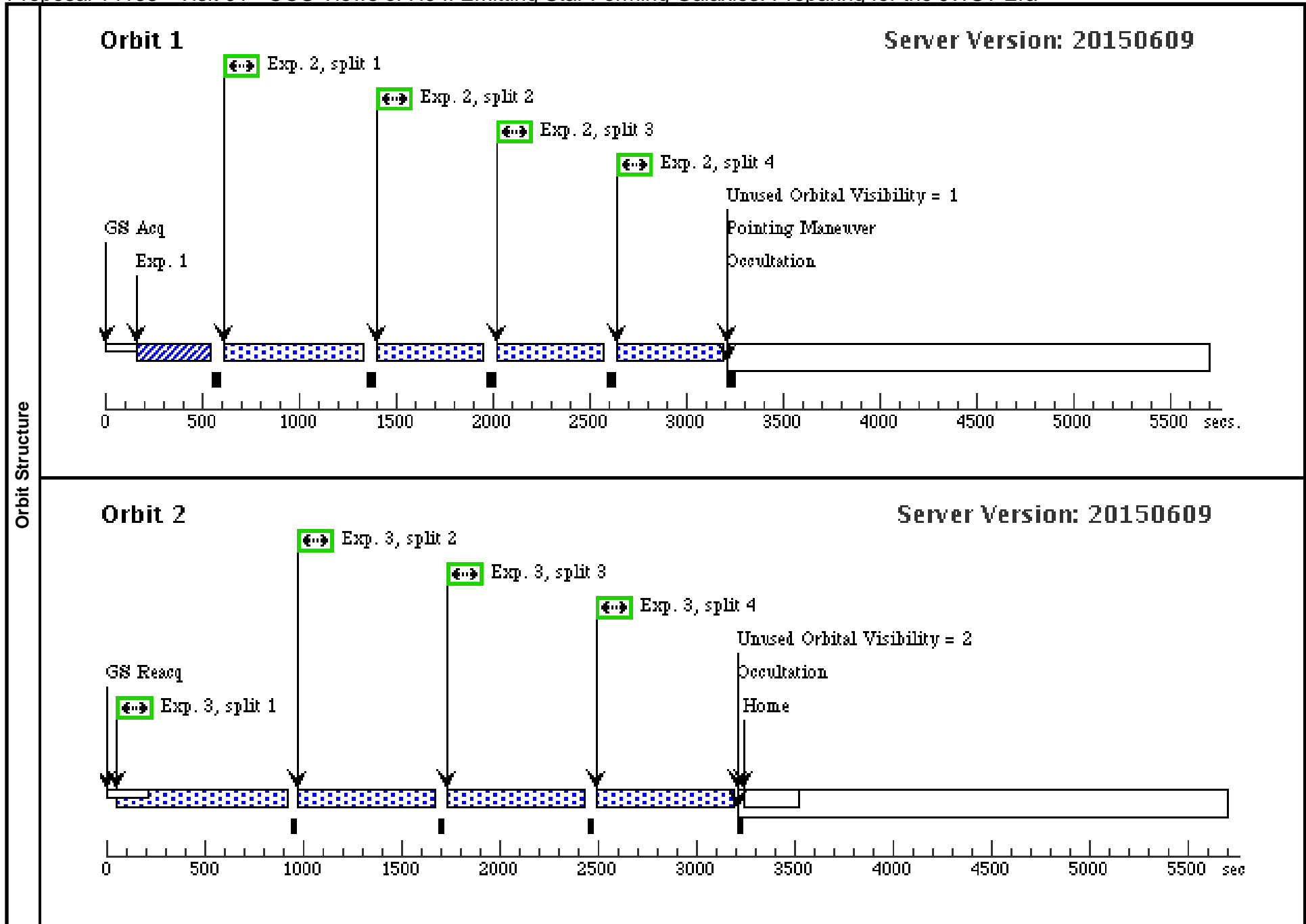
Goals: We will obtain target acquisition NUV images and FUV+NUV COS spectroscopy for star forming knots in ten galaxies. The galaxies have been selected based on the presence of He II 4686 emission in SDSS optical spectra. Coordinates of the targets are matched to the centroid of the SDSS optical spectra and are on the ICRS reference frame. The galaxies will be acquired using acq/image with COS/NUV. Based on the brightness of the targets in GALEX, we will use Mirror B for all but one target. For SDSSJ094252+354726, the GALEX NUV flux density is sufficient to allow an acquisition with Mirror A. After acquisition, each source will be observed with the G160M and G185M gratings using the PSA of COS. The central wavelength of both gratings has been chosen to place desired emission lines into the observable bandpass given the known redshift of each target. Exposures are taken using TIME-TAG mode, the flash=yes setting, and with four focal plane positions per central wavelength.

Orbits: We have been awarded 20 orbits for our observations. Integration times have been chosen based on the known continuum brightness and expected emission line strengths. For the acq/image, we have chosen integration times that will deliver S/N=40. For the science exposures, the total integration time in each grating should deliver S/N=4-6 per resolution element, sufficient to measure the equivalent widths of the relevant emission lines.

Proposal 14168 - Visit 01 - COS Views of He II Emitting Star Forming Galaxies: Preparing for the JWST Era

Fri Nov 06 02:16:56 GMT 2015

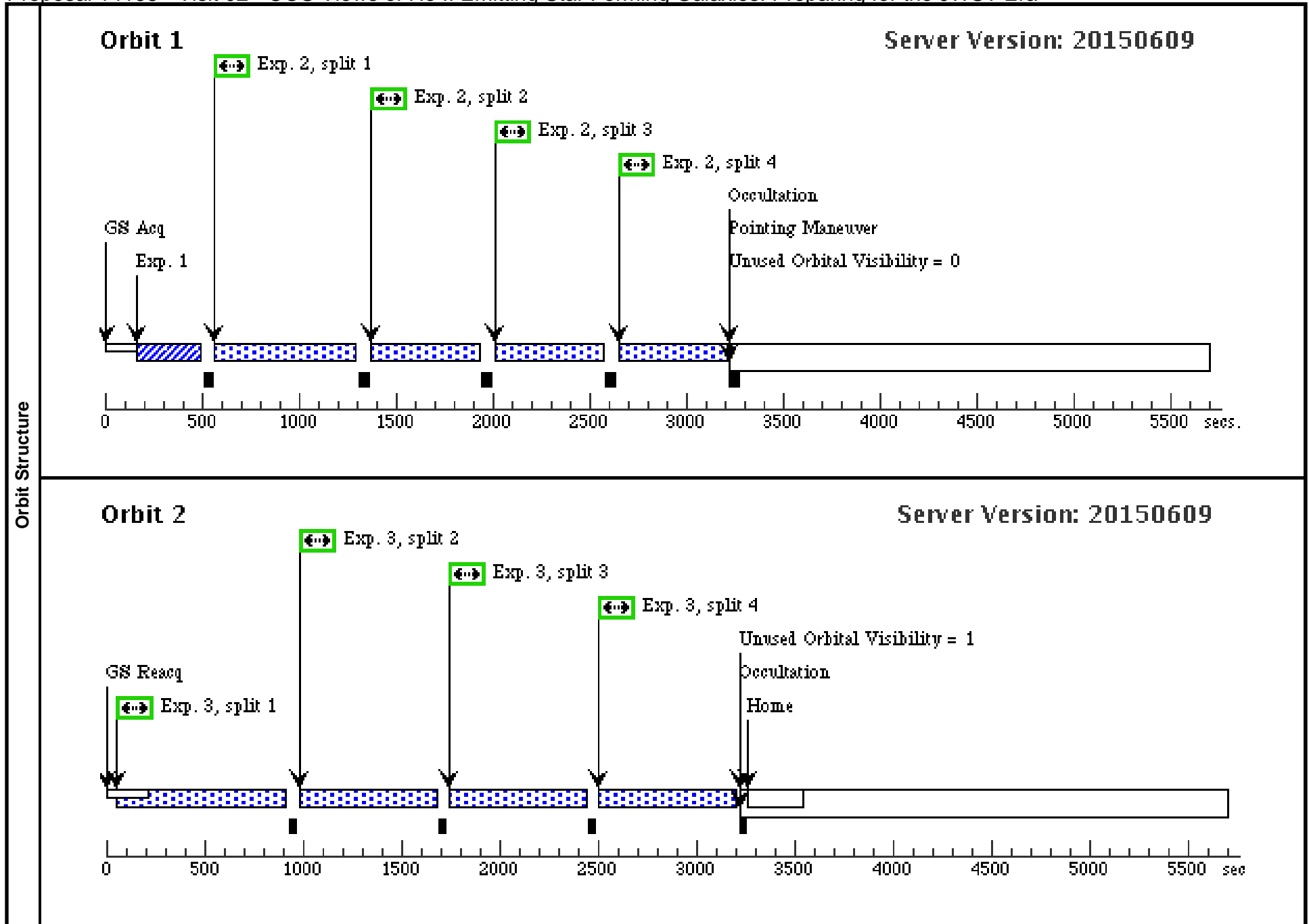
Visit	Proposal 14168, Visit 01, implementation Diagnostic Status: No Diagnostics Scientific Instruments: COS/NUV, COS/FUV Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
		(1)	SDSSJ094256+092816 Alt Name1: 1305-52757-269	RA: 09 42 56.7400 (145.7364167d) Dec: +09 28 16.26 (9.47118d) Equinox: J2000	Redshift: 0.011	V=16.7 FUV=17.8, NUV=17.5, u=17.2	Reference Frame: ICRS			
	<i>Comments: estimated max NUV surface brightness: 9.5e-16 ergs/s/cm2/ang/arcsec2 SDSS class: galaxy (psfMag_u - cModelMag_u = 0.55) Extended=NO</i>									
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(COS.ta.751 416)	(1) SDSSJ094256+092816	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				77 Secs (77 Secs)	
									[==>]	[1]
	2	(COS.sp.732 561)	(1) SDSSJ094256+092816	COS/NUV, TIME-TAG, PSA	G185M 1835 A	BUFFER-TIME=1.6 E3; FP-POS=ALL; FLASH=YES			533 Secs (2132 Secs)	
								[==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]	
3	(COS.sp.732 564)	(1) SDSSJ094256+092816	COS/FUV, TIME-TAG, PSA	G160M 1623 A	FP-POS=ALL; FLASH=YES; BUFFER-TIME=6.4E3			652 Secs (2608 Secs)		
								[==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[2]	



Proposal 14168 - Visit 02 - COS Views of He II Emitting Star Forming Galaxies: Preparing for the JWST Era

Fri Nov 06 02:16:57 GMT 2015

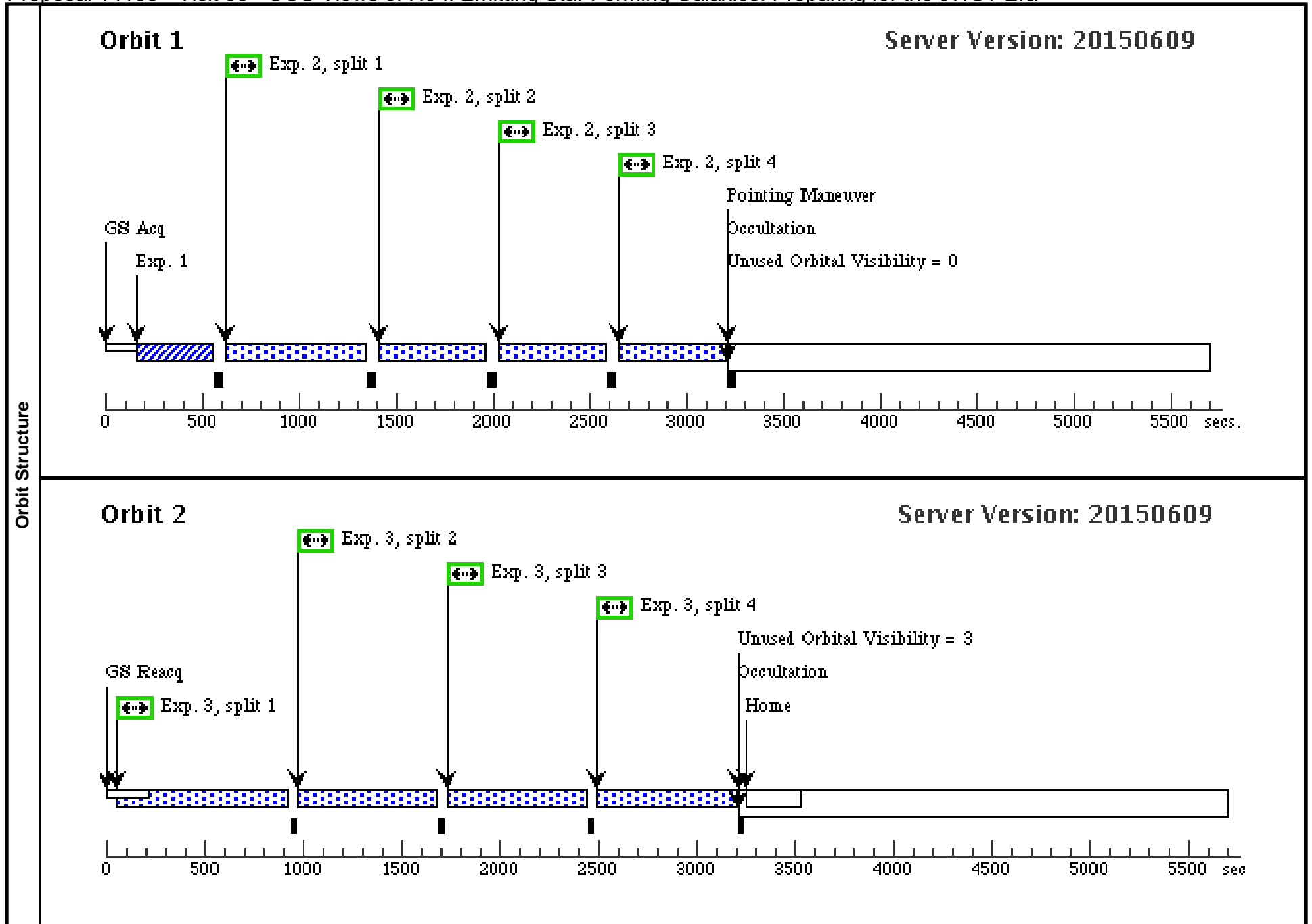
Visit	Proposal 14168, Visit 02, implementation Diagnostic Status: No Diagnostics Scientific Instruments: COS/NUV, COS/FUV Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
		(2)	SDSSJ112914+203452 Alt Name1: 2500-54178-084 Alt Name2: LEDA-35380	RA: 11 29 14.1500 (172.3089583d) Dec: +20 34 52.01 (20.58111d) Equinox: J2000	Redshift: 0.0047	V=16.3 FUV=17.8, NUV=17.5, u=16.9	Reference Frame: ICRS			
	<i>Comments: estimated max NUV surface brightness: 1.3e-15 ergs/s/cm2/ang/arcsec2</i> <i>SDSS class: galaxy (psfMag_u - cModelMag_u = 0.65)</i> <i>Extended=NO</i>									
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(COS.ta.751 422)	(2) SDSSJ112914+203452	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				53 Secs (53 Secs)	
									[==>]	[1]
	2	(COS.sp.732 567)	(2) SDSSJ112914+203452	COS/NUV, TIME-TAG, PSA	G185M 1817 A	BUFFER-TIME=1.6E3; FP-POS=ALL; FLASH=YES			540 Secs (2160 Secs)	
								[==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]	
3	(COS.sp.732 566)	(2) SDSSJ112914+203452	COS/FUV, TIME-TAG, PSA	G160M 1623 A	FP-POS=ALL; FLASH=YES; BUFFER-TIME=5.6E3			647 Secs (2588 Secs)		
								[==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[2]	



Proposal 14168 - Visit 03 - COS Views of He II Emitting Star Forming Galaxies: Preparing for the JWST Era

Fri Nov 06 02:16:57 GMT 2015

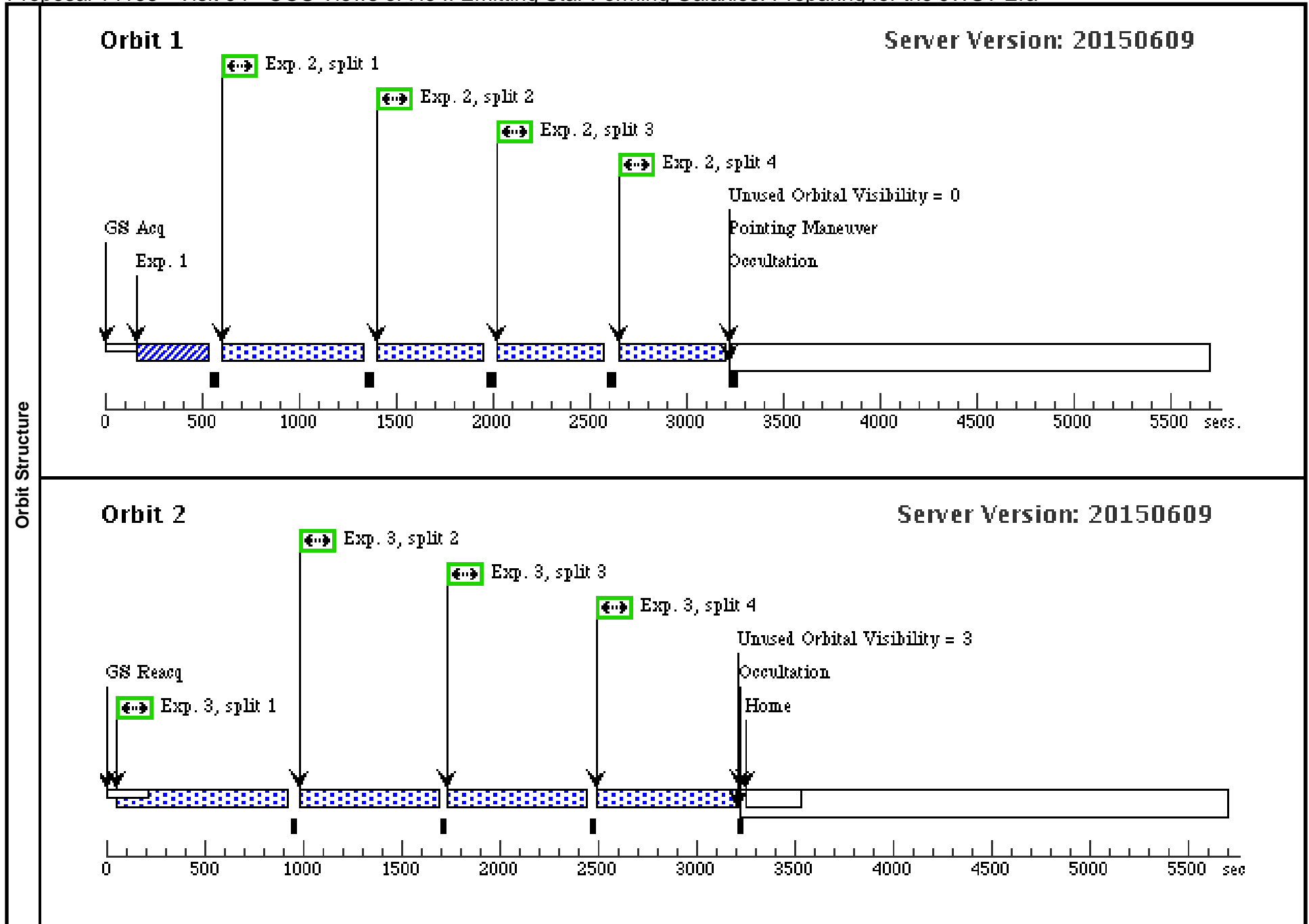
Visit	Proposal 14168, Visit 03, implementation Diagnostic Status: No Diagnostics Scientific Instruments: COS/NUV, COS/FUV Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
		(3)	SDSSJ123048+120242 Alt Name1: 1615-53166-120 Alt Name2: LEDA-41360	RA: 12 30 48.6000 (187.7025000d) Dec: +12 02 42.82 (12.04523d) Equinox: J2000	Redshift: 0.00418	V=16.7 FUV=17.7, NUV=17.5, u=17.3	Reference Frame: ICRS			
	<i>Comments: estimated max NUV surface brightness: 8.8e-16 ergs/s/cm2/ang/arcsec2</i> <i>SDSS class: galaxy (psfMag_u - cModelMag_u = 1.2)</i> <i>Extended=NO</i>									
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(COS.ta.751 425)	(3) SDSSJ123048+120242	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				80 Secs (80 Secs)	
									[==>]	[1]
	2	(COS.sp.732 568)	(3) SDSSJ123048+120242	COS/NUV, TIME-TAG, PSA	G185M 1817 A	BUFFER-TIME=1.6 E3; FP-POS=ALL; FLASH=YES			533 Secs (2132 Secs)	
								[==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]	
3	(COS.sp.732 578)	(3) SDSSJ123048+120242	COS/FUV, TIME-TAG, PSA	G160M 1623 A	FP-POS=ALL; FLASH=YES; BUFFER-TIME=7. 7E3			653 Secs (2612 Secs)		
								[==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[2]	



Proposal 14168 - Visit 04 - COS Views of He II Emitting Star Forming Galaxies: Preparing for the JWST Era

Fri Nov 06 02:16:57 GMT 2015

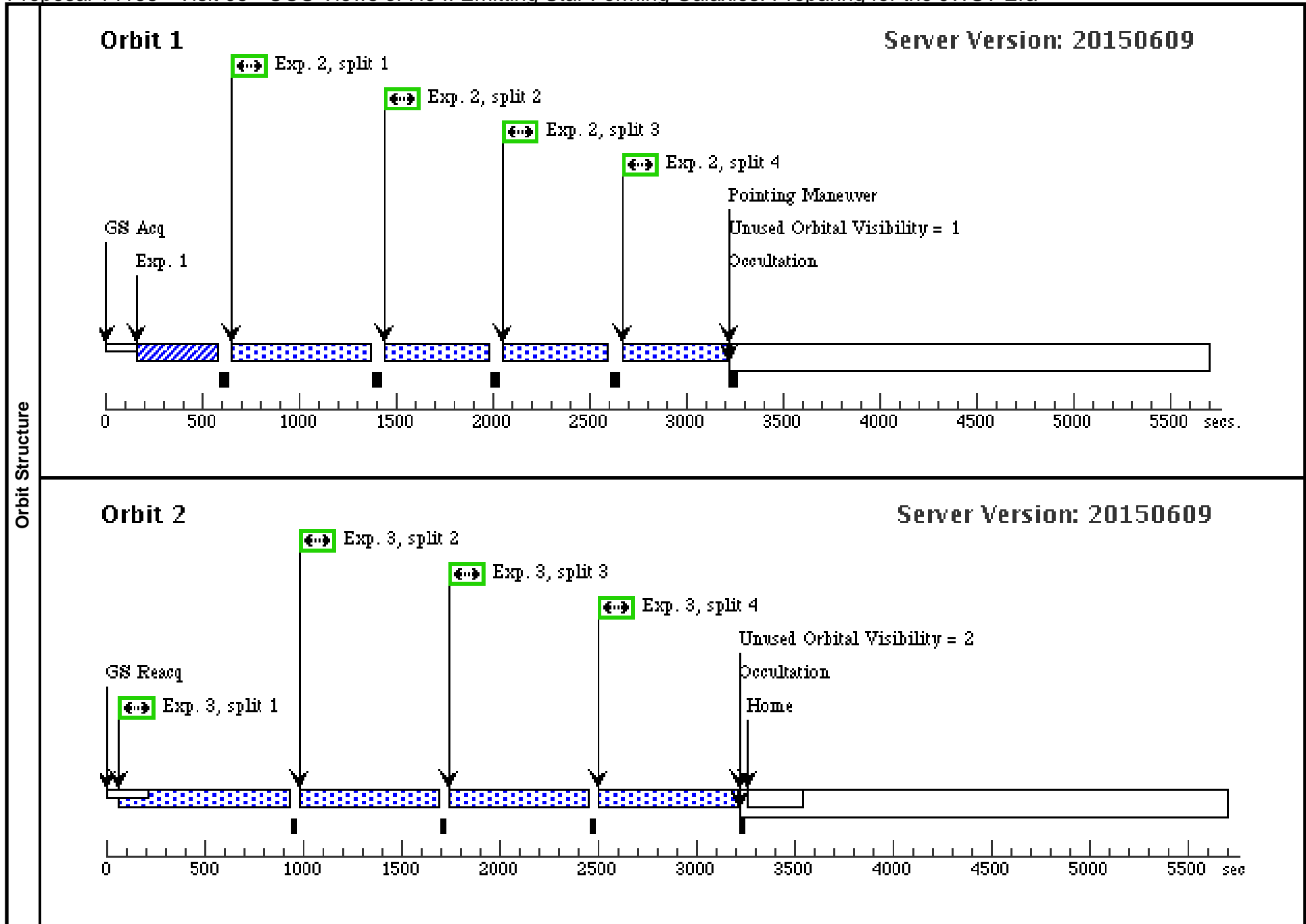
Visit	Proposal 14168, Visit 04, implementation Diagnostic Status: No Diagnostics Scientific Instruments: COS/NUV, COS/FUV Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
		(4)	SDSSJ121518+203826 Alt Name1: 2610-54476-421 Alt Name2: MRK-1315	RA: 12 15 18.6000 (183.8275000d) Dec: +20 38 26.72 (20.64076d) Equinox: J2000	Redshift: 0.00277	V=16.6 FUV=17.8, u=17.2	Reference Frame: ICRS			
	<i>Comments: estimated max NUV surface brightness: 9.7e-16 ergs/s/cm2/ang/arcsec2</i> <i>SDSS class: galaxy (psfMag_u - cModelMag_u = 0.63)</i> <i>Extended=NO</i>									
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(COS.ta.751 427)	(4) SDSSJ121518+203826	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				70 Secs (70 Secs)	
									[==>]	[1]
	2	(COS.sp.732 569)	(4) SDSSJ121518+203826	COS/NUV, TIME-TAG, PSA	G185M 1913 A	BUFFER-TIME=1.67E3; FP-POS=ALL; FLASH=YES			539 Secs (2156 Secs)	
								[==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]	
	3	(COS.sp.732 579)	(4) SDSSJ121518+203826	COS/FUV, TIME-TAG, PSA	G160M 1623 A	FP-POS=ALL; FLASH=YES; BUFFER-TIME=7.9E3			654 Secs (2616 Secs)	
								[==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[2]	



Proposal 14168 - Visit 05 - COS Views of He II Emitting Star Forming Galaxies: Preparing for the JWST Era

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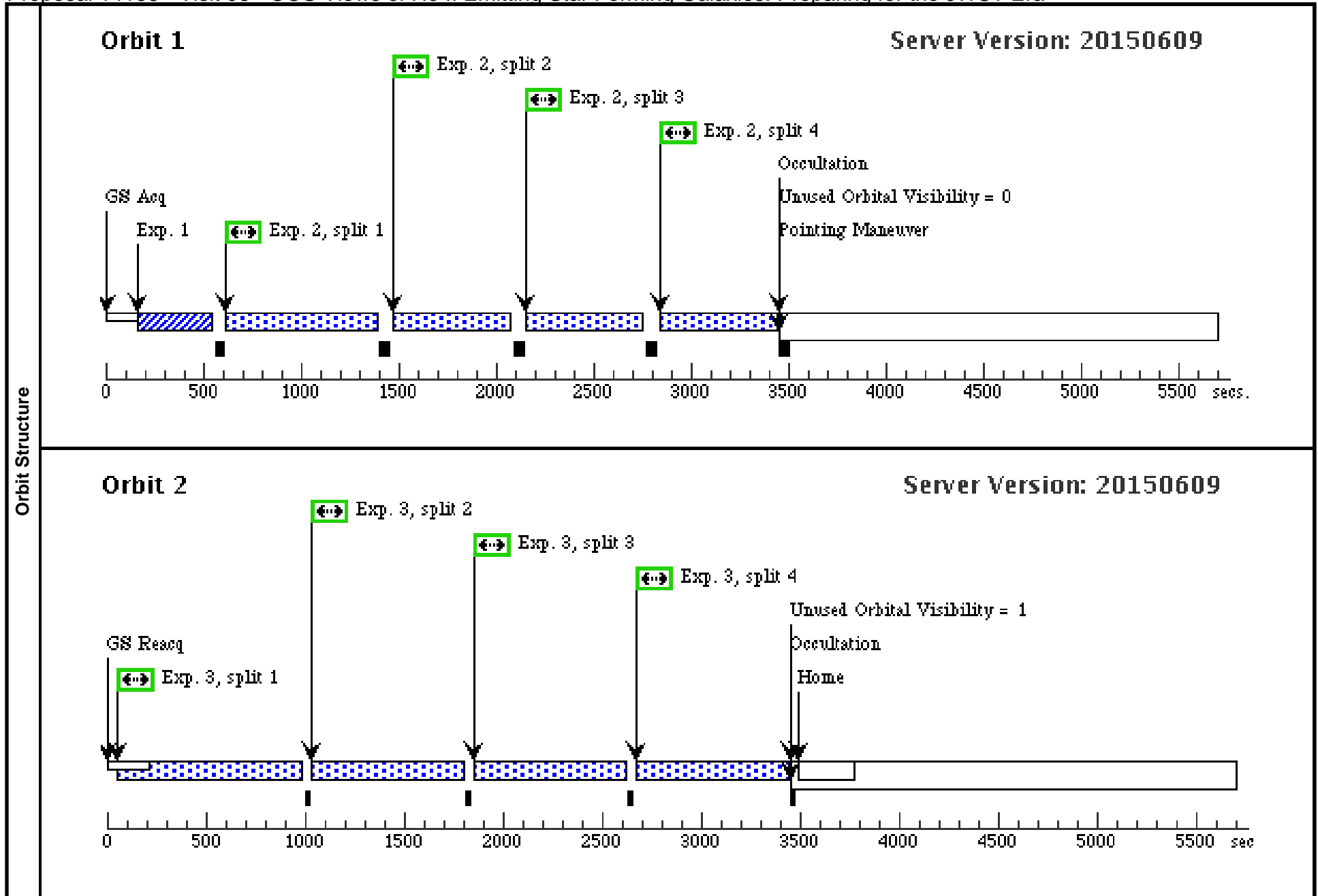
Visit	Proposal 14168, Visit 05, implementation Diagnostic Status: No Diagnostics Scientific Instruments: COS/NUV, COS/FUV Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
		(5)	SDSSJ114827+254611 Alt Name1: 2510-53877-560 Alt Name2: LEDA-36857	RA: 11 48 27.3400 (177.1139167d) Dec: +25 46 11.77 (25.76994d) Equinox: J2000	Redshift: 0.04512	V=17.5 FUV=17.6, NUV=17.4, u=17.5	Reference Frame: ICRS			
	<i>Comments: estimated max NUV surface brightness: 7.3e-16 ergs/s/cm2/ang/arcsec2</i> <i>SDSS class: galaxy (psfMag_u - cModelMag_u = 0.80)</i> <i>Extended=NO</i>									
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(COS.ta.751 428)	(5) SDSSJ114827+254611	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				95 Secs (95 Secs)	
									[==>]	[1]
	2	(COS.sp.732 570)	(5) SDSSJ114827+254611	COS/NUV, TIME-TAG, PSA	G185M 1890 A	BUFFER-TIME=1.6 7E3; FP-POS=ALL; FLASH=YES			528 Secs (2112 Secs)	
								[==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]	
3	(COS.sp.732 580)	(5) SDSSJ114827+254611	COS/FUV, TIME-TAG, PSA	G160M 1589 A	FP-POS=ALL; FLASH=YES; BUFFER-TIME=6.9E3			656 Secs (2624 Secs)		
								[==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[2]	



Proposal 14168 - Visit 06 - COS Views of He II Emitting Star Forming Galaxies: Preparing for the JWST Era

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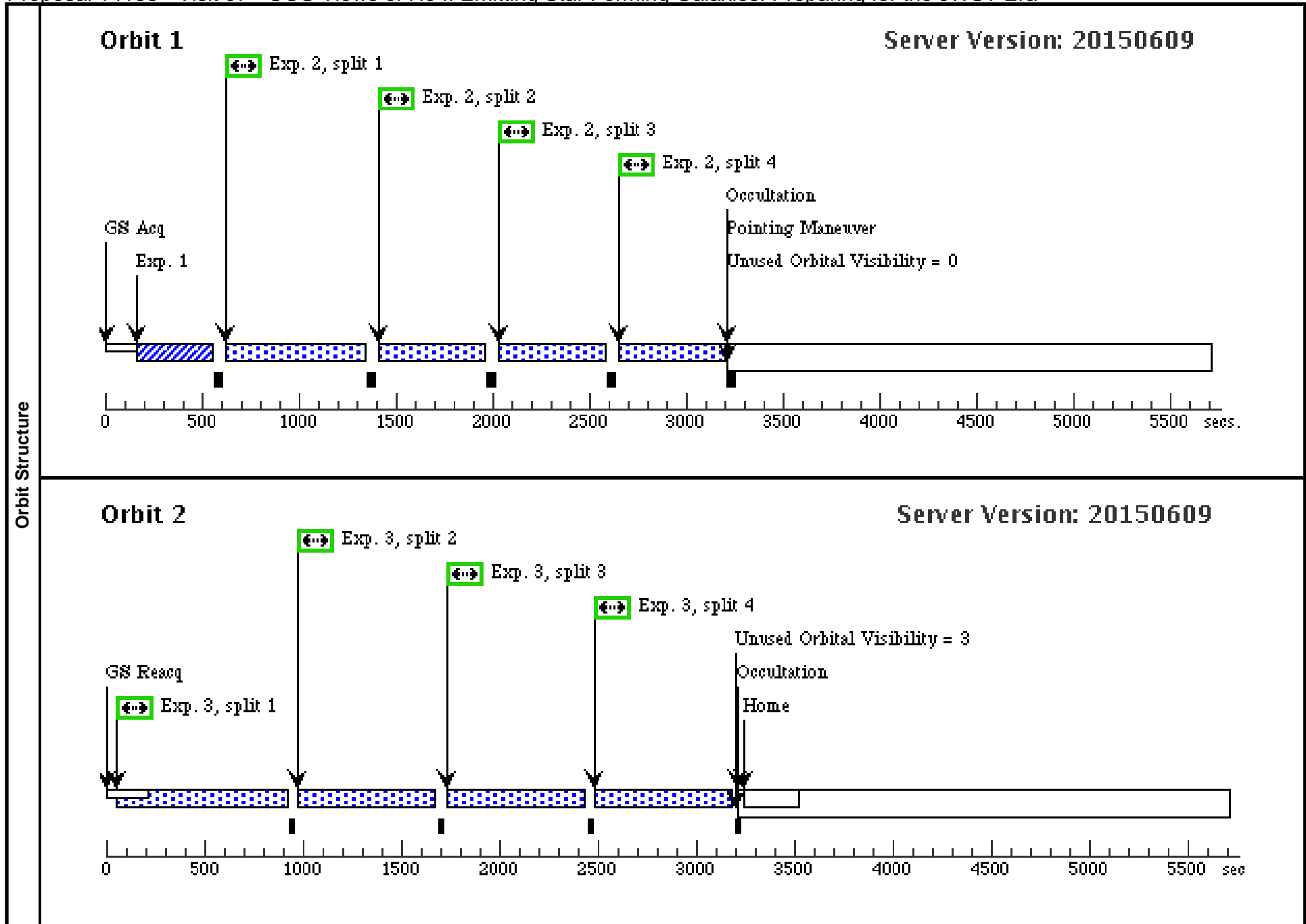
Visit	Proposal 14168, Visit 06, implementation Diagnostic Status: No Diagnostics Scientific Instruments: COS/NUV, COS/FUV Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
		(6)	SDSSJ115528+573952 Alt Name1: 1313-52790-471	RA: 11 55 28.3400 (178.8680833d) Dec: +57 39 51.97 (57.66444d) Equinox: J2000	Redshift: 0.017	V=17.1 FUV=17.7, NUV=17.5, u=17.3	Reference Frame: ICRS			
	<i>Comments: estimated max NUV surface brightness: 8.9e-16 ergs/s/cm2/ang/arcsec2</i> <i>SDSS class: galaxy (psfMag_u - cModelMag_u = 0.37)</i> <i>Extended=NO</i>									
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(COS.ta.751 429)	(6) SDSSJ115528+573952	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				78 Secs (78 Secs)	
									[==>]	[1]
	2	(COS.sp.732 571)	(6) SDSSJ115528+573952	COS/NUV, TIME-TAG, PSA	G185M 1941 A	BUFFER-TIME=1.6 E3; FP-POS=ALL; FLASH=YES			586 Secs (2344 Secs)	
								[==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]	
3	(COS.sp.732 581)	(6) SDSSJ115528+573952	COS/FUV, TIME-TAG, PSA	G160M 1623 A	FP-POS=ALL; FLASH=YES; BUFFER-TIME=7.7E3			713 Secs (2852 Secs)		
								[==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[2]	



Proposal 14168 - Visit 07 - COS Views of He II Emitting Star Forming Galaxies: Preparing for the JWST Era

Fri Nov 06 02:16:57 GMT 2015

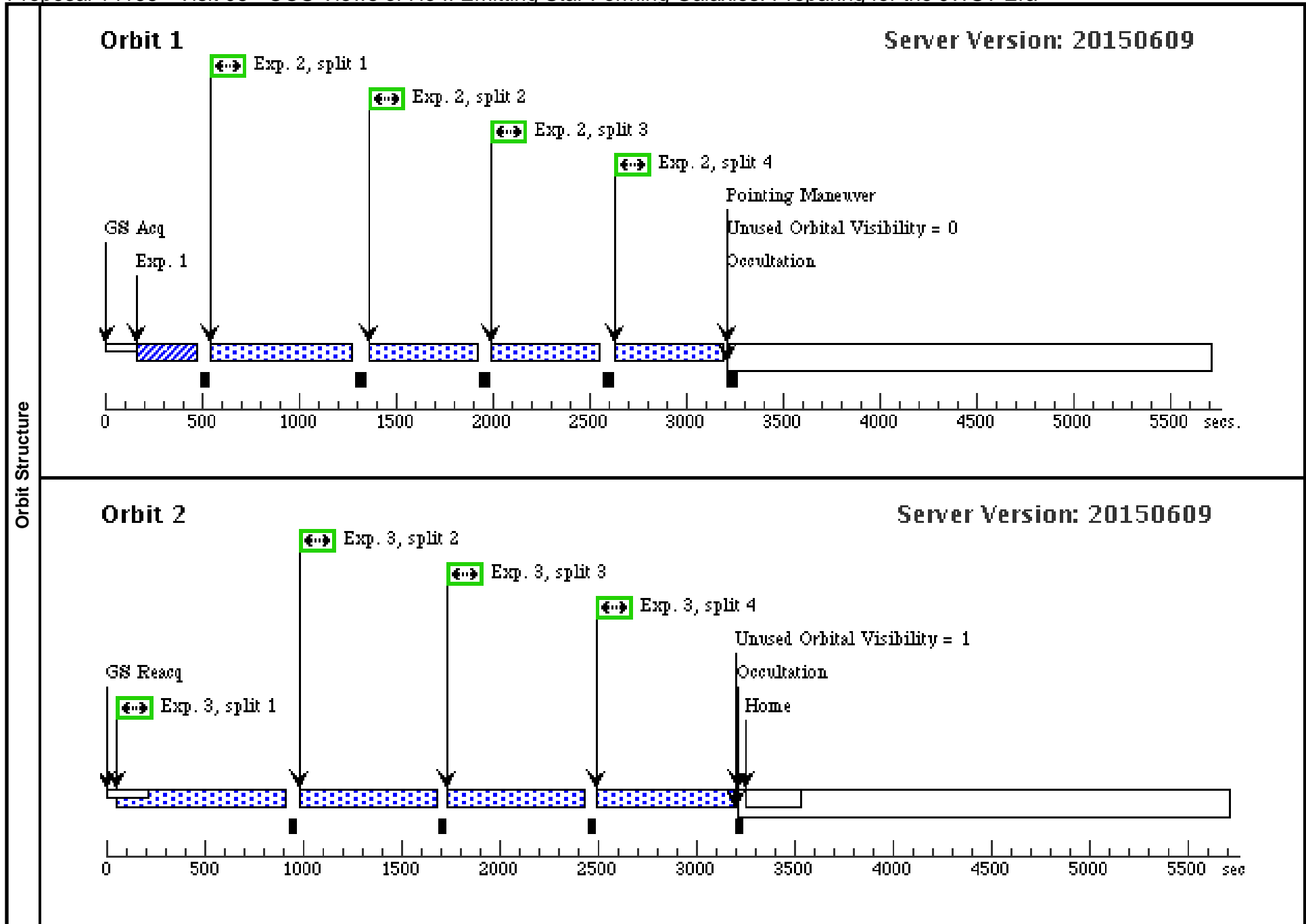
Visit	Proposal 14168, Visit 07, implementation Diagnostic Status: No Diagnostics Scientific Instruments: COS/NUV, COS/FUV Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
		(7)	SDSSJ122225+043404 Alt Name1: 2880-54509-277	RA: 12 22 25.7900 (185.6074583d) Dec: +04 34 4.77 (4.56799d) Equinox: J2000	Redshift: 0.00427	V=17.4 FUV=17.1, NUV=17.0, u=17.3	Reference Frame: ICRS			
	<i>Comments: estimated max NUV surface brightness: 8.4e-16 ergs/s/cm2/ang/arcsec2</i> <i>SDSS class: galaxy (psfMag_u - cModelMag_u = 1.5)</i> <i>Extended=NO</i>									
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(COS.ta.751 431)	(7) SDSSJ122225+043404	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				82 Secs (82 Secs)	
									[==>]	[1]
	2	(COS.sp.732 572)	(7) SDSSJ122225+043404	COS/NUV, TIME-TAG, PSA	G185M 1817 A	BUFFER-TIME=1.6 5E3; FP-POS=ALL; FLASH=YES			530 Secs (2120 Secs)	
								[==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]	
3	(COS.sp.732 582)	(7) SDSSJ122225+043404	COS/FUV, TIME-TAG, PSA	G160M 1623 A	FP-POS=ALL; FLASH=YES; BUFFER-TIME=6. 9E3			651 Secs (2604 Secs)		
								[==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[2]	



Proposal 14168 - Visit 08 - COS Views of He II Emitting Star Forming Galaxies: Preparing for the JWST Era

Fri Nov 06 02:16:58 GMT 2015

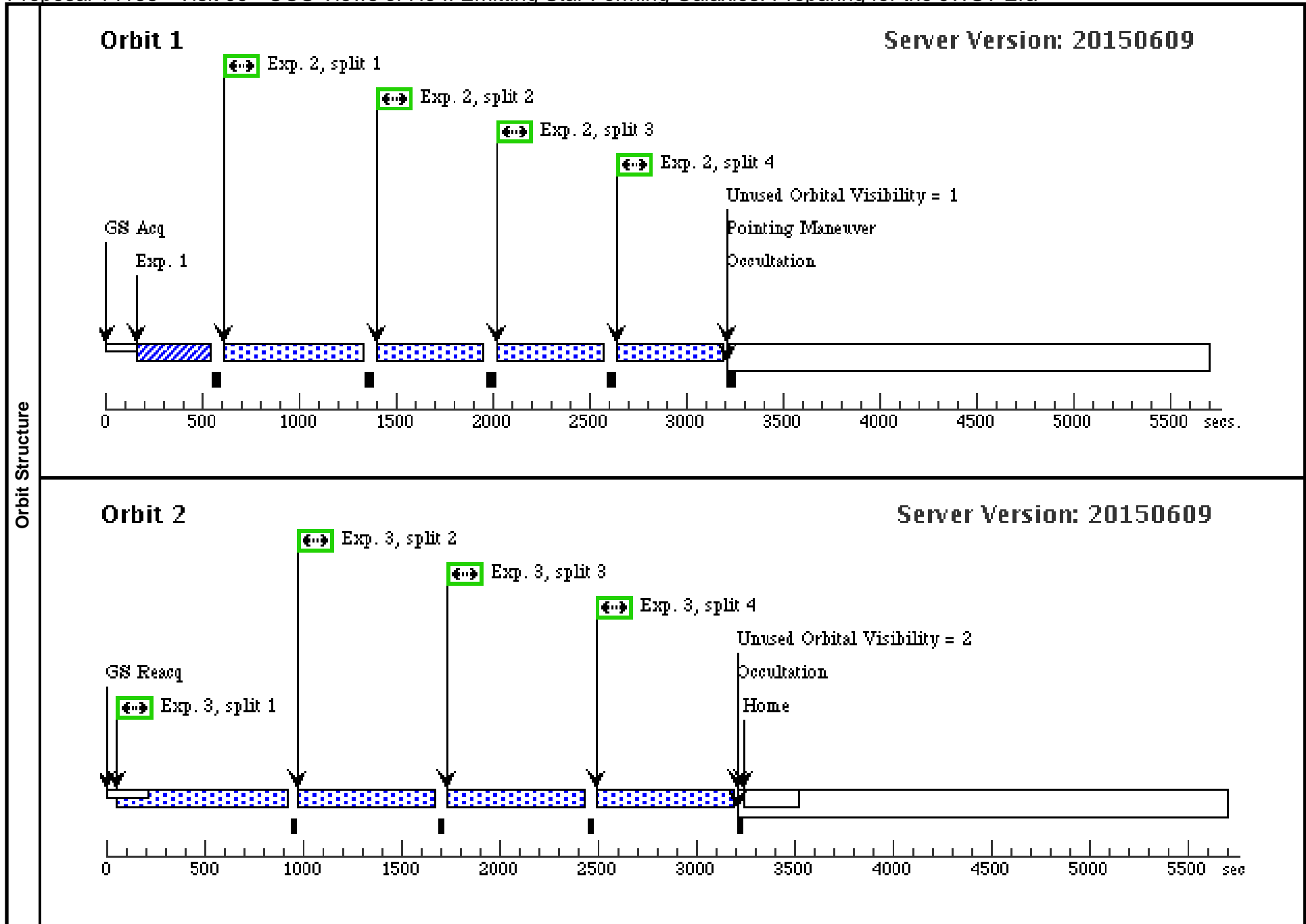
Visit	Proposal 14168, Visit 08, implementation Diagnostic Status: No Diagnostics Scientific Instruments: COS/NUV, COS/FUV Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
		(8)	SDSSJ094401-003832	RA: 09 44 1.8700 (146.0077917d) Dec: -00 38 32.18 (-.64227d) Equinox: J2000	Redshift: 0.00478	V=15.9 FUV=16.9, NUV=16.7, u=16.7	Reference Frame: ICRS			
	<i>Comments: estimated max NUV surface brightness: 1.6e-15 ergs/s/cm2/ang/arcsec2</i> <i>SDSS class: galaxy (psfMag_u - cModelMag_u = 1.4)</i> <i>Extended=NO</i>									
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(COS.ta.751 432)	(8) SDSSJ094401-00 3832	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				43 Secs (43 Secs)	
									[==>]	[1]
	2	(COS.sp.732 573)	(8) SDSSJ094401-00 3832	COS/NUV, TIME-TAG, PSA	G185M 1921 A	BUFFER-TIME=1.6 E3; FP-POS=ALL; FLASH=YES			542 Secs (2168 Secs)	
								[==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]	
3	(COS.sp.732 583)	(8) SDSSJ094401-00 3832	COS/FUV, TIME-TAG, PSA	G160M 1623 A	FP-POS=ALL; FLASH=YES; BUFFER-TIME=5. 5E3			644 Secs (2576 Secs)		
								[==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[2]	



Proposal 14168 - Visit 09 - COS Views of He II Emitting Star Forming Galaxies: Preparing for the JWST Era

Fri Nov 06 02:16:58 GMT 2015

Visit	Proposal 14168, Visit 09, implementation Diagnostic Status: No Diagnostics Scientific Instruments: COS/NUV, COS/FUV Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
		(9)	SDSSJ102429+052451 Alt Name1: 0575-52319-521	RA: 10 24 29.2500 (156.1218750d) Dec: +05 24 51.02 (5.41417d) Equinox: J2000	Redshift: 0.0339	V=17.2 FUV=17.5, NUV=17.5, u=17.3	Reference Frame: ICRS			
	<i>Comments: estimated max NUV surface brightness: 9.1e-16 ergs/s/cm2/ang/arcsec2</i> <i>SDSS class: galaxy (psfMag_u - cModelMag_u = 0.61)</i> <i>Extended=NO</i>									
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(COS.ta.751 433)	(9) SDSSJ102429+052451	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				75 Secs (75 Secs)	
									[==>]	[1]
	2	(COS.sp.732 574)	(9) SDSSJ102429+052451	COS/NUV, TIME-TAG, PSA	G185M 1971 A	BUFFER-TIME=1.6 5E3; FP-POS=ALL; FLASH=YES			534 Secs (2136 Secs)	
								[==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]	
3	(COS.sp.732 584)	(9) SDSSJ102429+052451	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=ALL; FLASH=YES; BUFFER-TIME=6. 5E3			652 Secs (2608 Secs)		
								[==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[2]	



Proposal 14168 - Visit 10 - COS Views of He II Emitting Star Forming Galaxies: Preparing for the JWST Era

Fri Nov 06 02:16:58 GMT 2015

Visit	Proposal 14168, Visit 10, implementation Diagnostic Status: No Diagnostics Scientific Instruments: COS/NUV, COS/FUV Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
		(10)	SDSSJ094252+354726 Alt Name1: 1594-52992-563	RA: 09 42 52.7800 (145.7199167d) Dec: +35 47 25.98 (35.79055d) Equinox: J2000	Redshift: 0.015	V=17.2 FUV=17.8, NUV=17.8, u=17.5	Reference Frame: ICRS			
	<i>Comments: estimated max NUV surface brightness: 7.4e-16 ergs/s/cm2/ang/arcsec2</i> <i>SDSS class: galaxy (psfMag_u - cModelMag_u = 0.34)</i> <i>Extended=NO</i>									
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(COS.ta.751 434)	(10) SDSSJ094252+354726	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				92 Secs (92 Secs)	
									[==>]	[1]
	2	(COS.sp.732 575)	(10) SDSSJ094252+354726	COS/NUV, TIME-TAG, PSA	G185M 1835 A	BUFFER-TIME=1.6 6E3; FP-POS=ALL; FLASH=YES			539 Secs (2156 Secs)	
								[==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[1]	
3	(COS.sp.732 585)	(10) SDSSJ094252+354726	COS/FUV, TIME-TAG, PSA	G160M 1623 A	FP-POS=ALL; FLASH=YES; BUFFER-TIME=7. 9E3			666 Secs (2664 Secs)		
								[==>(Split 1)] [==>(Split 2)] [==>(Split 3)] [==>(Split 4)]	[2]	

