



13749 - Baryon Structures Around Nearby Galaxies: Using an Edge-On Disk to Assess Inflow/Outflow Models

Cycle: 22, Proposal Category: GO

(UV Initiative)

(Availability Mode: SUPPORTED)

INVESTIGATORS

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VISITS

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
10	(1) SDSSJ110307.57+291230.0	COS/FUV COS/NUV	3	14-Jul-2014 21:09:10.0	yes
15	(1) SDSSJ110307.57+291230.0	COS/FUV COS/NUV	3	14-Jul-2014 21:09:12.0	yes
20	(2) SDSSJ110550.72+285130.8	COS/FUV COS/NUV	4	14-Jul-2014 21:09:13.0	yes
25	(2) SDSSJ110550.72+285130.8	COS/FUV COS/NUV	3	14-Jul-2014 21:09:15.0	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>
30	(3) SDSSJ110151.07+290803.6	COS/FUV COS/NUV	2	14-Jul-2014 21:09:16.0	yes
40	(4) SDSSJ110413.32+281530.3	COS/FUV COS/NUV	5	14-Jul-2014 21:09:19.0	yes
50	(5) SDSSJ110052.33+283801.2	COS/FUV COS/NUV	2	14-Jul-2014 21:09:20.0	yes
60	(6) SDSSJ110612.25+292730.6	COS/FUV COS/NUV	4	14-Jul-2014 21:09:22.0	yes

26 Total Orbits Used

ABSTRACT

We propose observing 6 QSOs whose sightlines pass through the halo of the highly inclined galaxy NGC 3510 at impact parameters of 62-139 kpc. This galaxy has the highest available surface density of UV-bright QSOs behind high-inclination spirals in the nearby Universe. Our principal goal is to use the projected positions and kinematics of gas clouds seen in absorption towards the QSOs in conjunction with the high inclination of the galaxy to differentiate between gas flowing into the galaxy from intergalactic medium filaments ("cold-flow" accretion), and gas flowing out of the galaxy from galactic winds. We will search primarily for Lyman-alpha, SiIII, and SiIV absorption from gas in the galactic halo, as well as NV from hot gas, and any other lower ionization species. These data will answer the basic questions of how absorber column density, covering fraction, and temperature all decline with impact parameter. More importantly, the data will show whether gas is found preferentially along the major or minor axis of the galaxy, and whether absorption line velocities conform to those expected from inflow or outflow models. NGC 3510 is undergoing a recent burst of star formation, and is likely at a young stage of its evolution. Our observations will address whether the current paradigm that has QSO absorption line systems arising primarily from star-forming galaxies holds when a single galactic halo is probed along multiple sightlines.

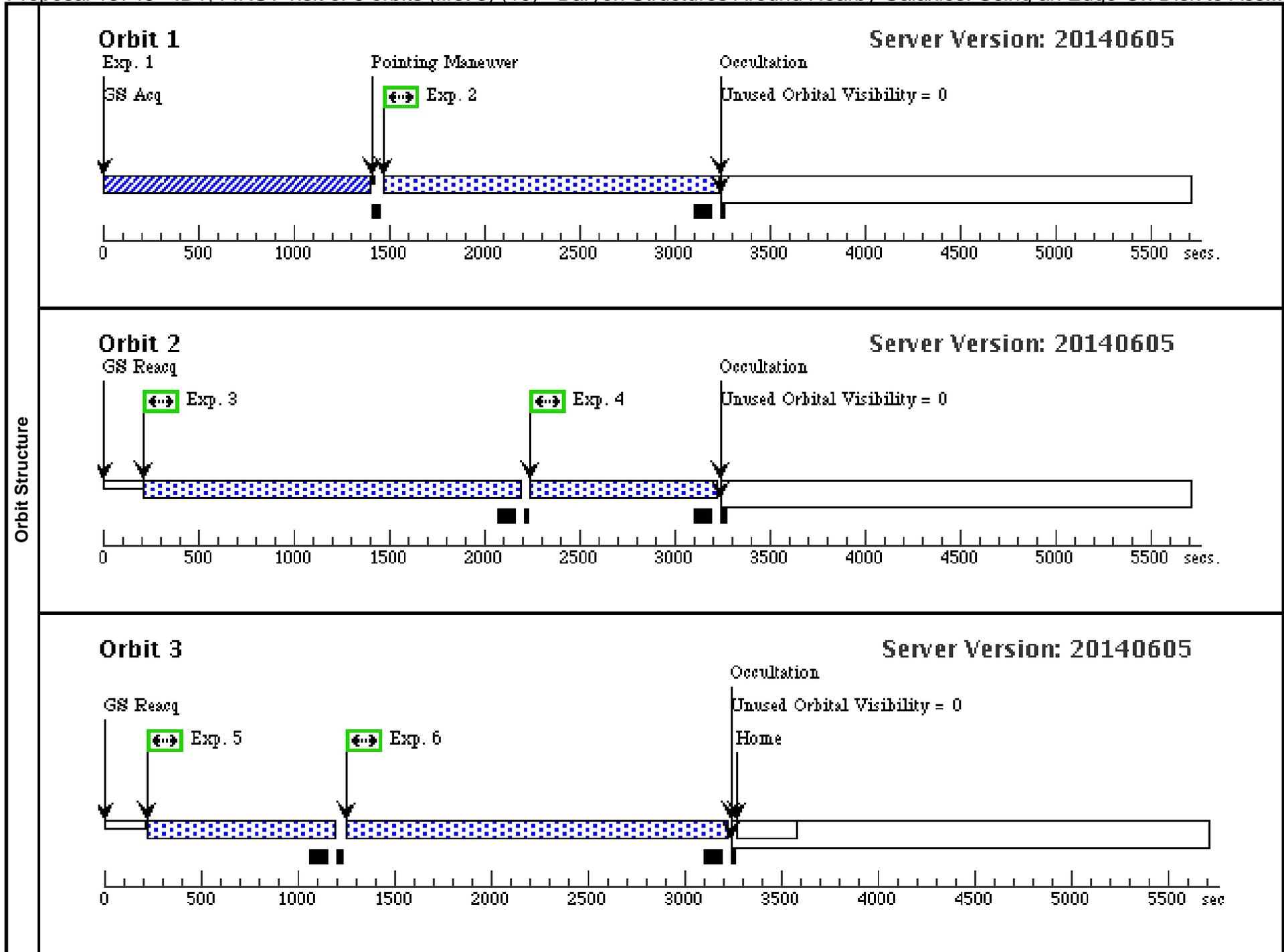
OBSERVING DESCRIPTION

Our aim is to use the G130M grating of COS to search for absorption lines from gas in the halo of NGC3510, towards 6 background UV probes. Exposures towards individual sightlines are split into two halves with different central wavelengths (1291 and 1327A) in order to cover the gap in the COS detectors. For each central wavelength, multiple FP-POS positions are used. All targets have known GALEX fluxes. We expect to obtain a S/N of at least 10 per resolution element in the data.

Proposal 13749 - ID1, FIRST visit of 6 orbits (first 3) (10) - Baryon Structures Around Nearby Galaxies: Using an Edge-On Disk to Ass...

Tue Jul 15 01:09:24 GMT 2014

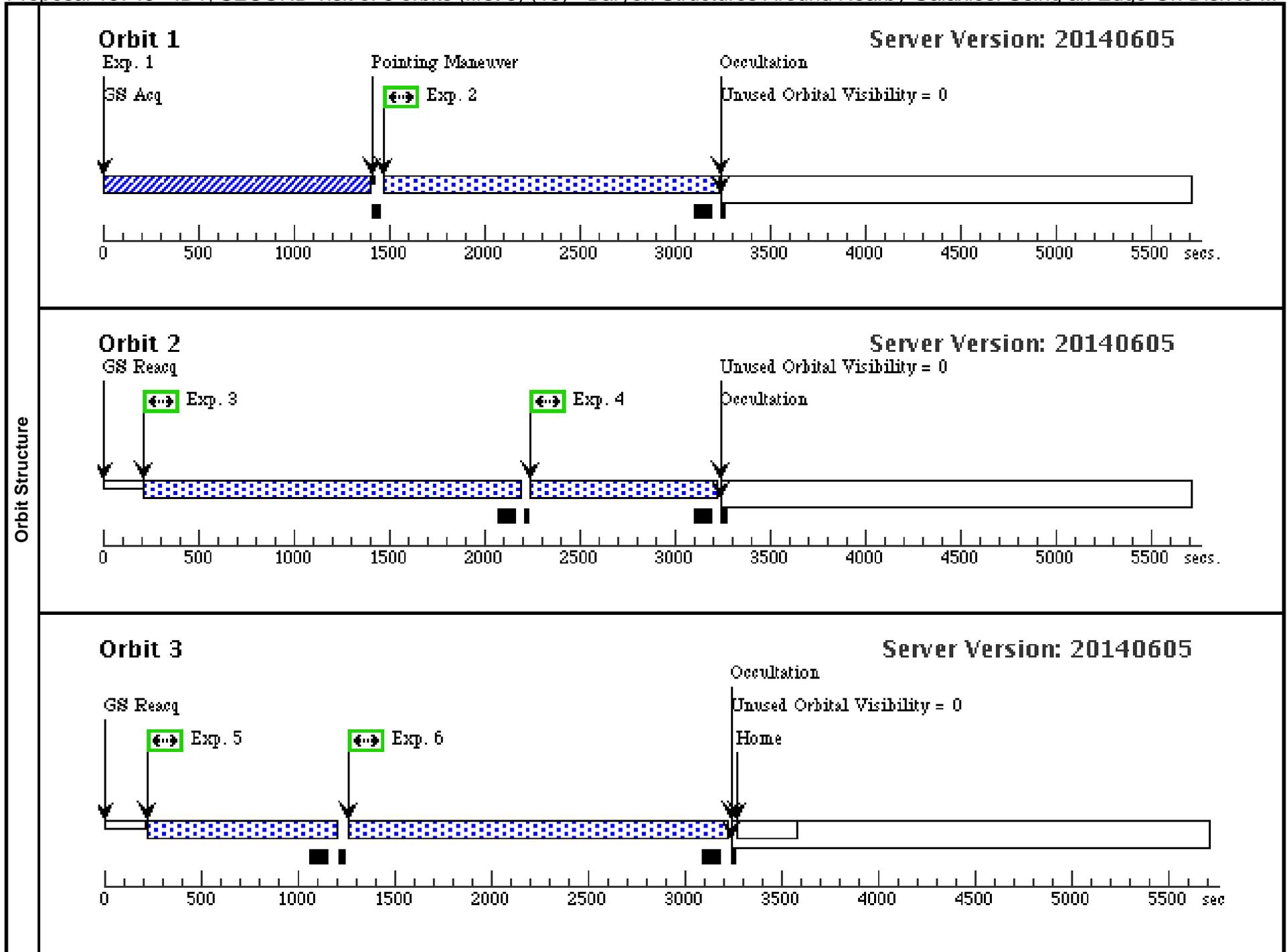
Visit	Proposal 13749, ID1, FIRST visit of 6 orbits (first 3) (10), implementation Diagnostic Status: No Diagnostics Scientific Instruments: COS/NUV, COS/FUV Special Requirements: (none) <i>Comments: All 4 FP-POS used; FP-POS=3 split over orbit</i>									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	SDSSJ110307.57+291230.0	RA: 11 03 7.5850 (165.7816042d) Dec: +29 12 30.50 (29.20847d) Equinox: J2000	Redshift: 0.366	V=18.2 GALEX FUV = 69 micro-Jy, or 19.1 mag; sdss g=18.24	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	ID1 ACQ (COS.ta.618 367)	(1) SDSSJ110307.57 +291230.0	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				488 Secs (488 Secs) [==>]	[1]
	<i>Comments: Exposure time are calculated assuming GALEX NUV flux [m(NUV)=18.7] is half that expected [m=19.5] in order to account for possible flux variations.</i>									
	2	1291 split1 (COS.sp.619 644)	(1) SDSSJ110307.57 +291230.0	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=1; BUFFER-TIME=14 80			1590 Secs (1589 Secs) [==>1589.0 Secs]	[1]
	3	1291 split2a (COS.sp.619 644)	(1) SDSSJ110307.57 +291230.0	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=2; BUFFER-TIME=18 15			1925 Secs (1925 Secs) [==>]	[2]
	4	1291 split2b (COS.sp.619 644)	(1) SDSSJ110307.57 +291230.0	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=3; BUFFER-TIME=81 5			925 Secs (925 Secs) [==>]	[2]
	5	1291 split3a (COS.sp.619 644)	(1) SDSSJ110307.57 +291230.0	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=3; BUFFER-TIME=81 0			920 Secs (920 Secs) [==>]	[3]
6	1291 split3b (COS.sp.619 644)	(1) SDSSJ110307.57 +291230.0	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=4; BUFFER-TIME=18 10			1920 Secs (1920 Secs) [==>]	[3]	



Proposal 13749 - ID1, SECOND visit of 6 orbits (first 3) (15) - Baryon Structures Around Nearby Galaxies: Using an Edge-On Disk to ...

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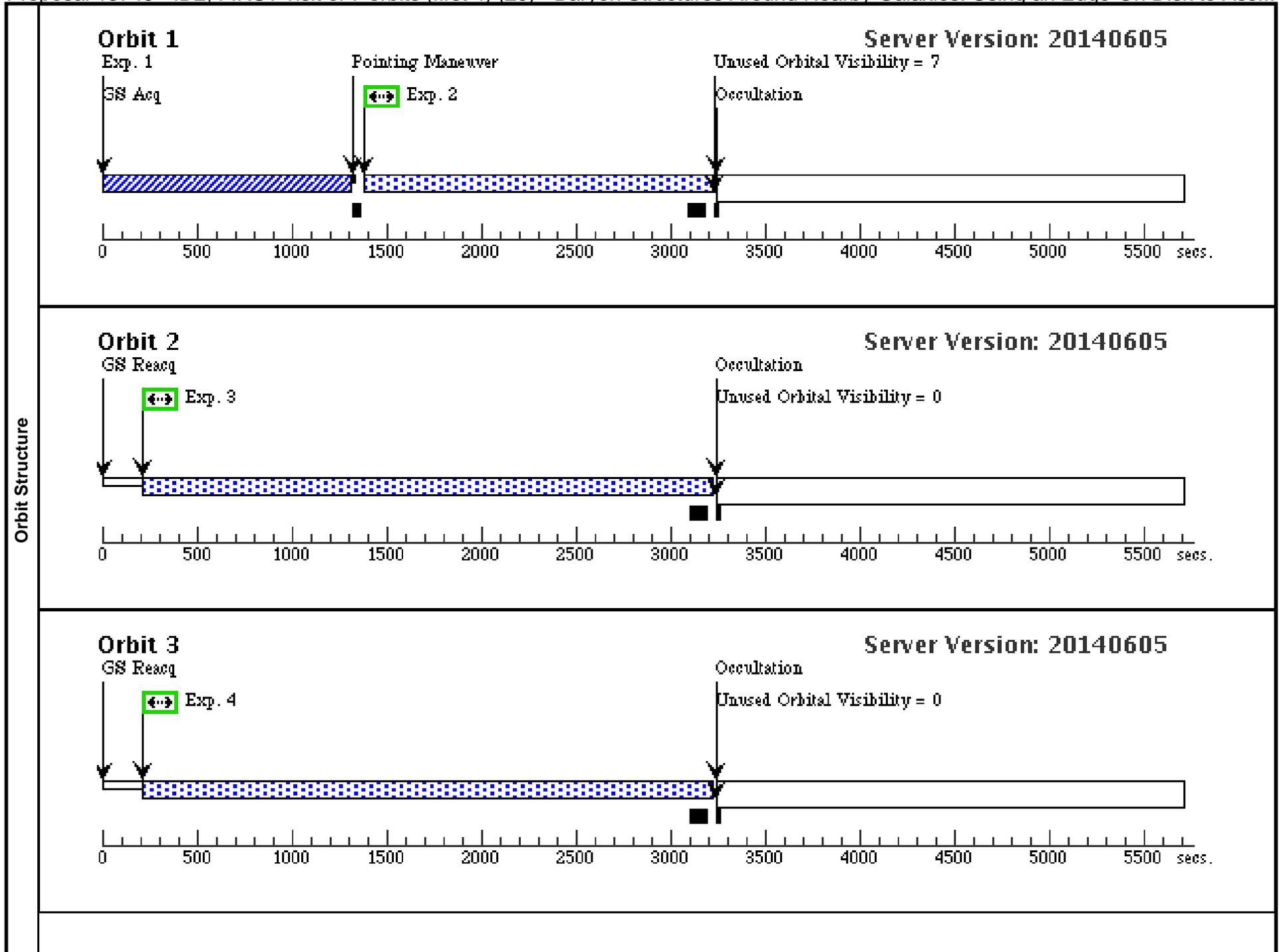
Visit	Proposal 13749, ID1, SECOND visit of 6 orbits (first 3) (15), implementation Diagnostic Status: No Diagnostics Scientific Instruments: COS/NUV, COS/FUV Special Requirements: (none) <i>Comments: All 4 FP-POS used; FP-POS=3 split over orbit</i>									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
		(1)	SDSSJ110307.57+291230.0	RA: 11 03 7.5850 (165.7816042d) Dec: +29 12 30.50 (29.20847d) Equinox: J2000	Redshift: 0.366	V=18.2 GALEX FUV = 69 micro-Jy, or 19.1 mag; sdss g=18.24	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	ID1 ACQ (COS.ta.618 367)	(1) SDSSJ110307.57 +291230.0	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				488 Secs (488 Secs) [==>]	[1]
	<i>Comments: Exposure time are calculated assuming GALEX NUV flux [m(NUV)=18.7] is half that expected [m=19.5] in order to account for possible flux variations.</i>									
	2	1327 split1 (COS.sp.619 645)	(1) SDSSJ110307.57 +291230.0	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=1; BUFFER-TIME=14 65			1575 Secs (1575 Secs) [==>]	[1]
	3	1327 split2a (COS.sp.619 645)	(1) SDSSJ110307.57 +291230.0	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=2; BUFFER-TIME=18 15			1925 Secs (1925 Secs) [==>]	[2]
	4	1327 split2b (COS.sp.619 645)	(1) SDSSJ110307.57 +291230.0	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=3; BUFFER-TIME=81 5			925 Secs (925 Secs) [==>]	[2]
	5	1327 split3a (COS.sp.619 645)	(1) SDSSJ110307.57 +291230.0	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=3; BUFFER-TIME=81 0			920 Secs (930 Secs) [==>930.0 Secs]	[3]
6	1327 split3b (COS.sp.619 645)	(1) SDSSJ110307.57 +291230.0	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=4; BUFFER-TIME=17 90			1900 Secs (1910 Secs) [==>1910.0 Secs]	[3]	

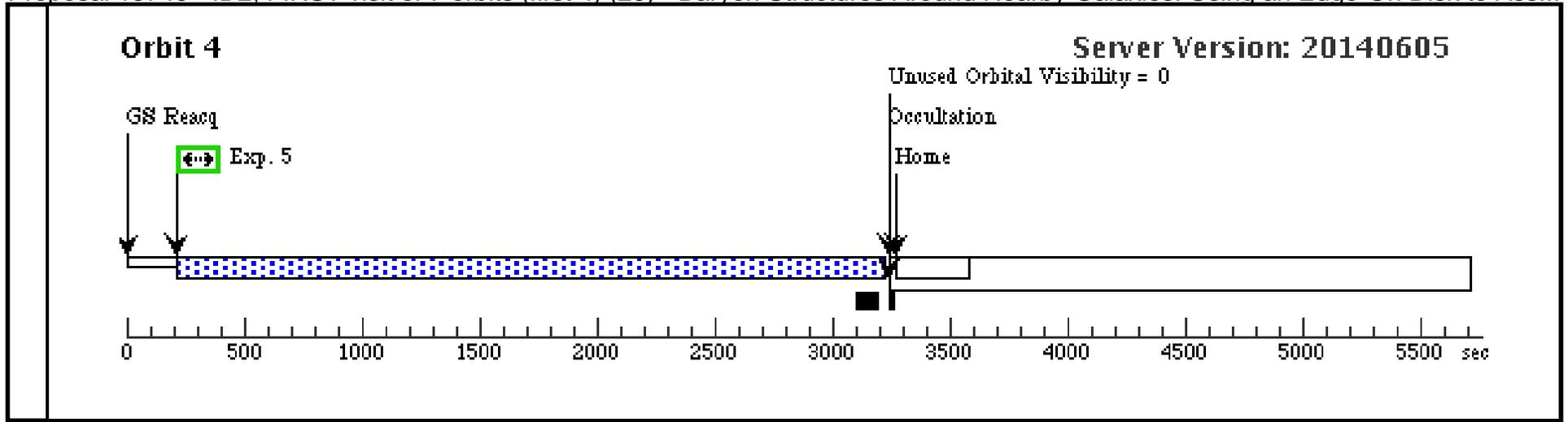


Proposal 13749 - ID2, FIRST visit of 7 orbits (first 4) (20) - Baryon Structures Around Nearby Galaxies: Using an Edge-On Disk to Ass...

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Visit	Proposal 13749, ID2, FIRST visit of 7 orbits (first 4) (20), implementation Diagnostic Status: No Diagnostics Scientific Instruments: COS/NUV, COS/FUV Special Requirements: (none) <i>Comments: All 4 FP-POS used, one per orbit</i>									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
		(2)	SDSSJ110550.72+285130.8	RA: 11 05 50.7480 (166.4614500d) Dec: +28 51 31.06 (28.85863d) Equinox: J2000	Redshift: 0.956	V=18.1 GALEX FUV = 61 micro-Jy, or 19.5 mag; sdss g=18.14	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	ID2 ACQ (COS.ta.618 368)	(2) SDSSJ110550.72 +285130.8	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				444 Secs (444 Secs) [==>]	[1]
	<i>Comments: Exposure time are calculated assuming GALEX NUV flux [m(NUV)=18.6] is half that expected [m=19.4] in order to account for possible flux variations.</i>									
	2	1291 split1 (COS.sp.619 646)	(2) SDSSJ110550.72 +285130.8	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=1; BUFFER-TIME=15 60			1670 Secs (1670 Secs) [==>]	[1]
	3	1291 split2 (COS.sp.619 646)	(2) SDSSJ110550.72 +285130.8	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=2; BUFFER-TIME=28 45			2955 Secs (2955 Secs) [==>]	[2]
	4	1291 split3 (COS.sp.619 646)	(2) SDSSJ110550.72 +285130.8	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=3; BUFFER-TIME=28 45			2955 Secs (2955 Secs) [==>]	[3]
5	1291 split4 (COS.sp.619 646)	(2) SDSSJ110550.72 +285130.8	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=4; BUFFER-TIME=28 45			2955 Secs (2955 Secs) [==>]	[4]	

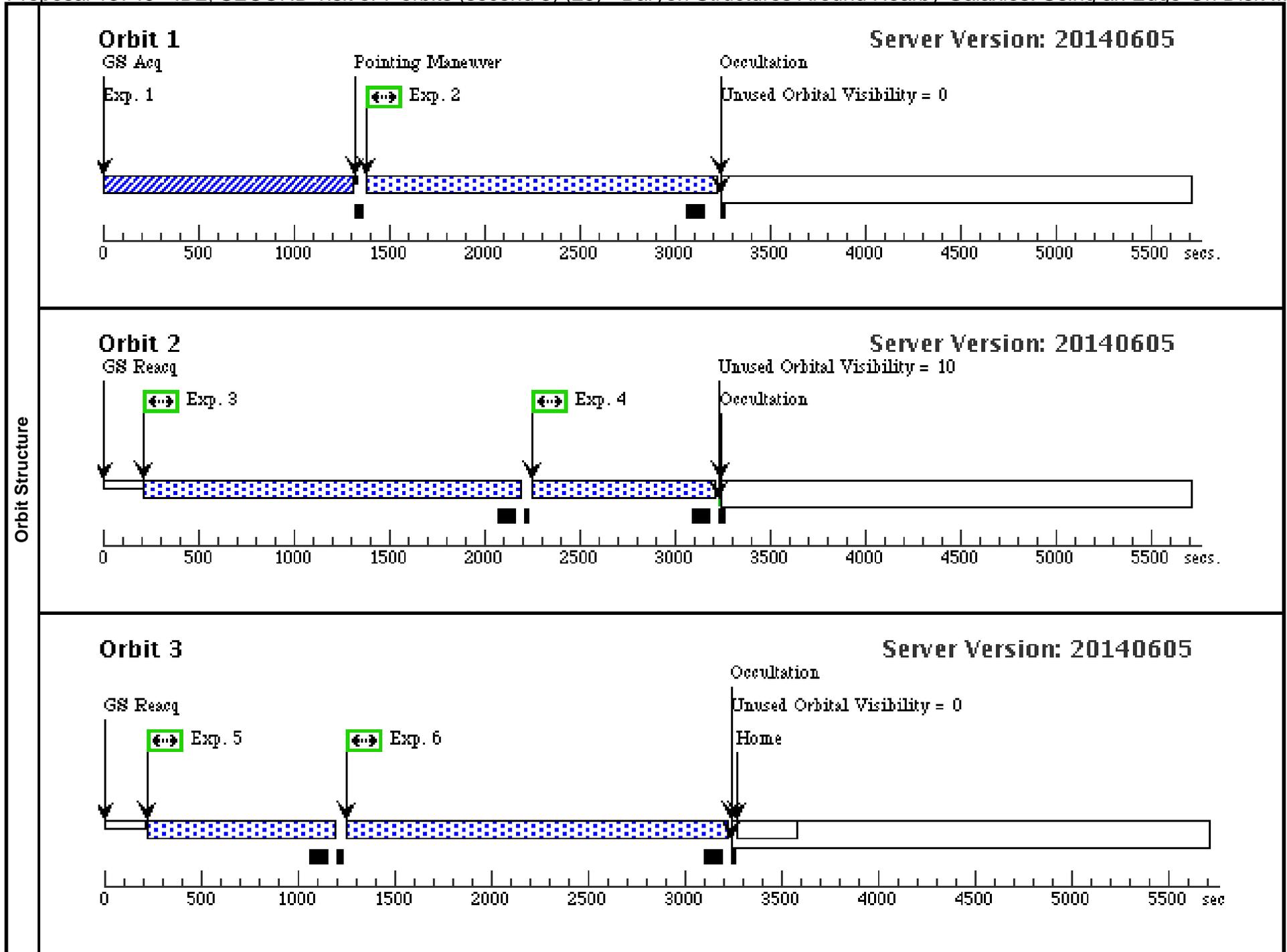




Proposal 13749 - ID2, SECOND visit of 7 orbits (second 3) (25) - Baryon Structures Around Nearby Galaxies: Using an Edge-On Disk ...

Tue Jul 15 01:09:24 GMT 2014

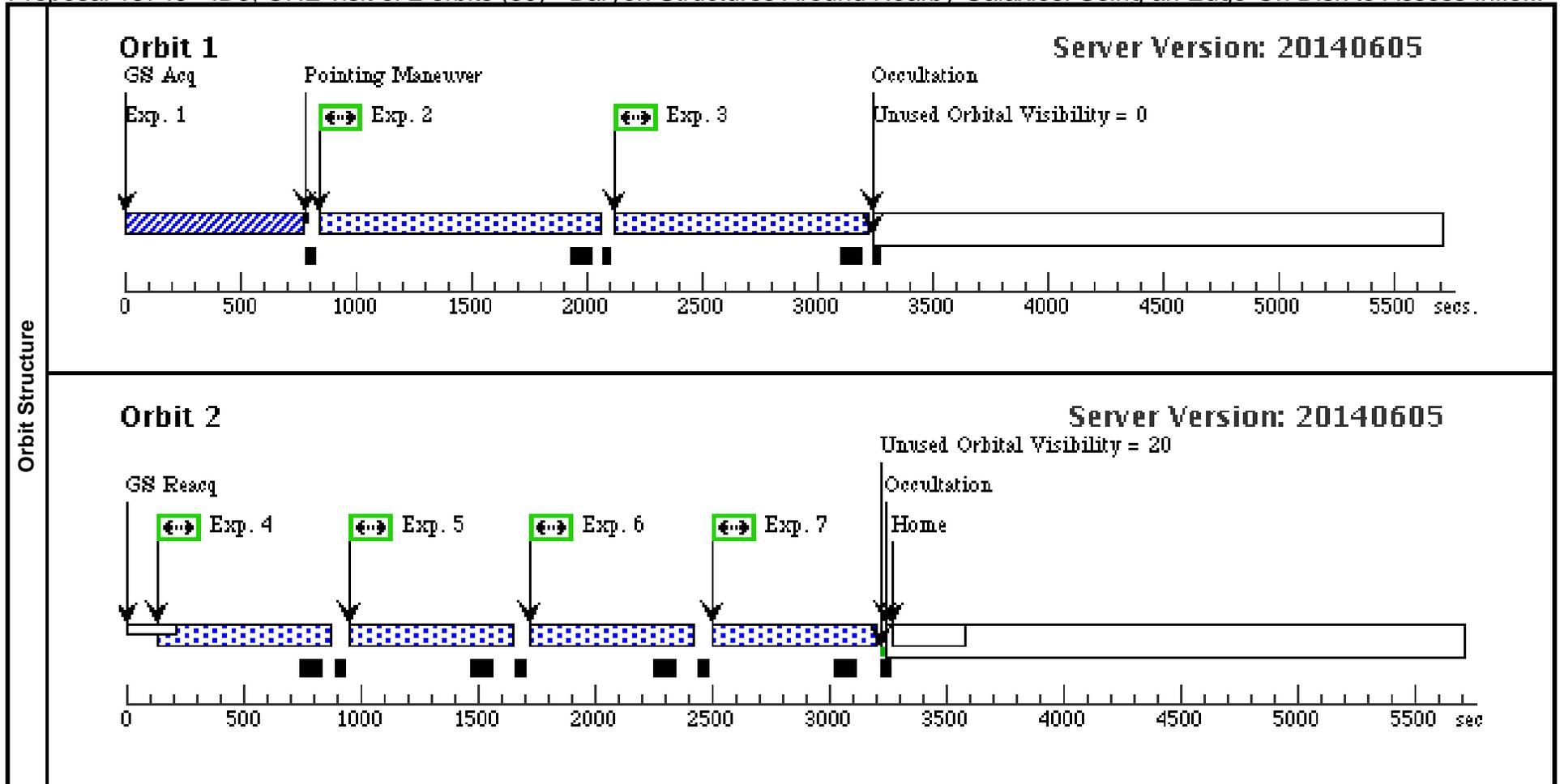
Visit	Proposal 13749, ID2, SECOND visit of 7 orbits (second 3) (25), implementation Diagnostic Status: No Diagnostics Scientific Instruments: COS/NUV, COS/FUV Special Requirements: (none) <i>Comments: All FP-POS used; FP-POS=3 split over orbit</i>																					
	Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(2)</td> <td>SDSSJ110550.72+285130.8</td> <td>RA: 11 05 50.7480 (166.4614500d) Dec: +28 51 31.06 (28.85863d) Equinox: J2000</td> <td>Redshift: 0.956</td> <td>V=18.1 GALEX FUV = 61 micro-Jy, or 19.5 mag; sdss g=18.14</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>										#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(2)	SDSSJ110550.72+285130.8	RA: 11 05 50.7480 (166.4614500d) Dec: +28 51 31.06 (28.85863d) Equinox: J2000	Redshift: 0.956	V=18.1 GALEX FUV = 61 micro-Jy, or 19.5 mag; sdss g=18.14
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																	
(2)	SDSSJ110550.72+285130.8	RA: 11 05 50.7480 (166.4614500d) Dec: +28 51 31.06 (28.85863d) Equinox: J2000	Redshift: 0.956	V=18.1 GALEX FUV = 61 micro-Jy, or 19.5 mag; sdss g=18.14	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	ID2 ACQ (COS.ta.618 368)	(2) SDSSJ110550.72 +285130.8	COS/NUV, ACQ/IMAGE, PSA	MIRRORB					444 Secs (444 Secs) [==>]	[1]											
	<i>Comments: Exposure time are calculated assuming GALEX NUV flux [m(NUV)=18.6] is half that expected [m=19.4] in order to account for possible flux variations.</i>																					
	2	1327 split1 (COS.sp.619 647)	(2) SDSSJ110550.72 +285130.8	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=1; BUFFER-TIME=15 20				1630 Secs (1663 Secs) [==>1663.0 Secs]	[1]											
	3	1327 split2a (COS.sp.619 647)	(2) SDSSJ110550.72 +285130.8	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=2; BUFFER-TIME=18 20				1930 Secs (1930 Secs) [==>]	[2]											
	4	1327 split2b (COS.sp.619 647)	(2) SDSSJ110550.72 +285130.8	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=3; BUFFER-TIME=80 0				910 Secs (910 Secs) [==>]	[2]											
	5	1327 split3a (COS.sp.619 647)	(2) SDSSJ110550.72 +285130.8	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=3; BUFFER-TIME=81 0				920 Secs (920 Secs) [==>]	[3]											
	6	1327 split3b (COS.sp.619 647)	(2) SDSSJ110550.72 +285130.8	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=4; BUFFER-TIME=18 10				1920 Secs (1920 Secs) [==>]	[3]											



Proposal 13749 - ID3, ONE visit of 2 orbits (30) - Baryon Structures Around Nearby Galaxies: Using an Edge-On Disk to Assess Inflo...

Tue Jul 15 01:09:24 GMT 2014

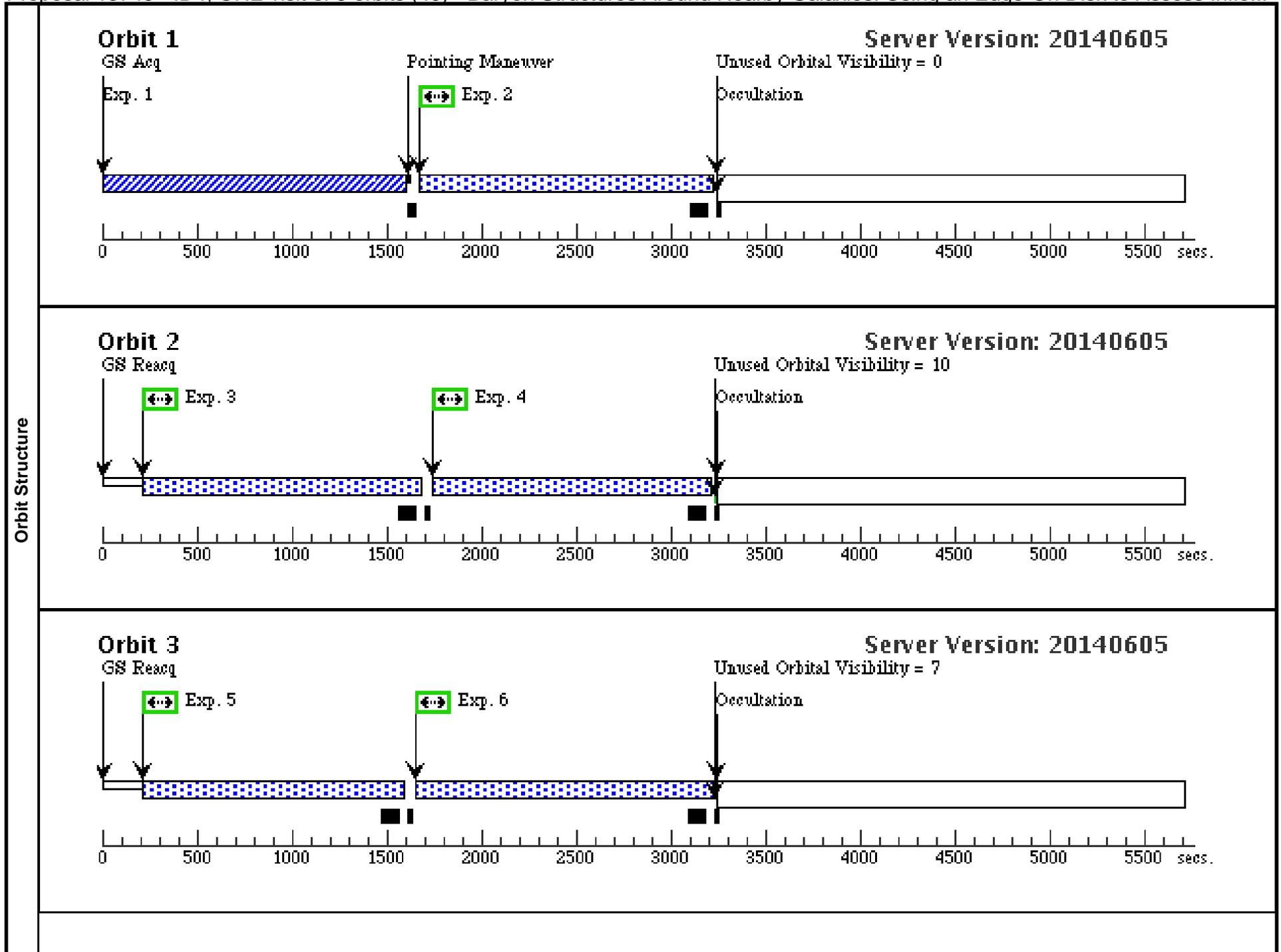
Visit	Proposal 13749, ID3, ONE visit of 2 orbits (30), implementation Diagnostic Status: Warning Scientific Instruments: COS/NUV, COS/FUV Special Requirements: (none) <i>Comments: 2 FP-POS used at CENWAVE 1291; all 4 FP-POS used at 1327, split into 1 orbit</i>										
	(ID3, ONE visit of 2 orbits (30)) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
	(3)	SDSSJ110151.07+290803.6	RA: 11 01 51.0560 (165.4627333d) Dec: +29 08 4.37 (29.13455d) Equinox: J2000	Redshift: 0.071	V=16.7 GALEX FUV = 219 micro-Jy, or 18.1 mag; sdss g=16.68	Reference Frame: ICRS					
<i>Comments: galaxy is resolved in SDSS images; fluxes are integrated over source</i>											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	ID3 ACQ (COS.ta.618 374)	(3) SDSSJ110151.07 +290803.6	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				175 Secs (175 Secs) [==>]	[1]	
	<i>Comments: Exposure time are calculated assuming GALEX NUV flux [m(NUV)=17.6] is half that expected [m=18.4] in order to account for possible flux variations.</i>										
	2	1291 split1a (COS.sp.619 650)	(3) SDSSJ110151.07 +290803.6	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=1; BUFFER-TIME=94 0				1050 Secs (1050 Secs) [==>]	[1]
	3	1291 split1b (COS.sp.619 650)	(3) SDSSJ110151.07 +290803.6	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=2; BUFFER-TIME=94 0				1050 Secs (1050 Secs) [==>]	[1]
	4	1327 split2a (COS.sp.619 649)	(3) SDSSJ110151.07 +290803.6	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=1; BUFFER-TIME=49 0				600 Secs (607 Secs) [==>607.0 Secs]	[2]
	5	1327 split2b (COS.sp.619 649)	(3) SDSSJ110151.07 +290803.6	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=2; BUFFER-TIME=49 0				645 Secs (652 Secs) [==>652.0 Secs]	[2]
	6	1327 split2c (COS.sp.619 649)	(3) SDSSJ110151.07 +290803.6	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=3; BUFFER-TIME=49 0				645 Secs (652 Secs) [==>652.0 Secs]	[2]
7	1327 split2d (COS.sp.619 649)	(3) SDSSJ110151.07 +290803.6	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=4; BUFFER-TIME=49 0				645 Secs (652 Secs) [==>652.0 Secs]	[2]	



Proposal 13749 - ID4, ONE visit of 5 orbits (40) - Baryon Structures Around Nearby Galaxies: Using an Edge-On Disk to Assess Inflo...

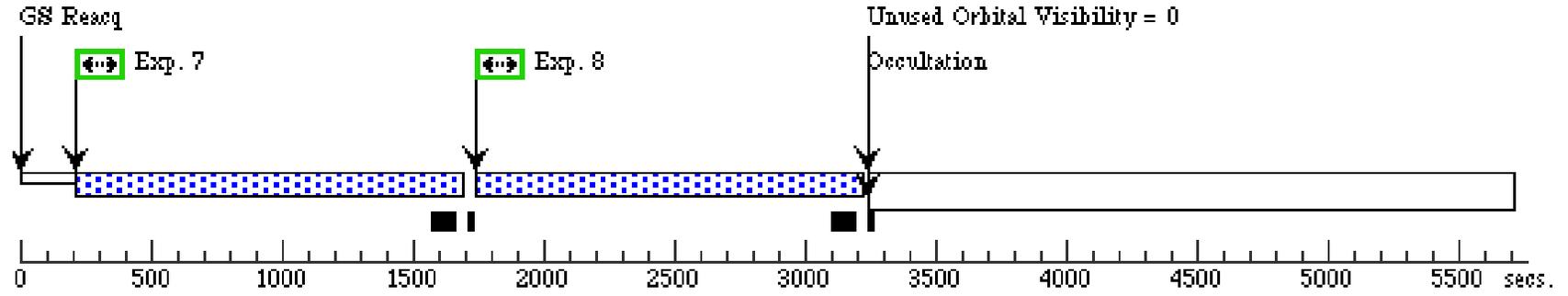
Tue Jul 15 01:09:25 GMT 2014

Visit	Proposal 13749, ID4, ONE visit of 5 orbits (40), implementation Diagnostic Status: No Diagnostics Scientific Instruments: COS/NUV, COS/FUV Special Requirements: (none) <i>Comments: All 4 FP-POS used for each CENWAVE: CENWAVE changes mid-orbit</i>									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(4)	SDSSJ110413.32+281530.3	RA: 11 04 13.3500 (166.0556250d) Dec: +28 15 30.20 (28.25839d) Equinox: J2000	Redshift: 0.187	V=18.9 GALEX FUV = 79 micro-Jy, or 19.0 mag; sdss g=18.94	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	ID4 ACQ (COS.ta.618 369)	(4) SDSSJ110413.32 +281530.3	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				589 Secs (589 Secs) [==>]	[1]
	<i>Comments: Exposure time are calculated assuming GALEX NUV flux [m(NUV)=18.9] is half that expected [m=19.7] in order to account for possible flux variations.</i>									
	2	1291 split1 (COS.sp.619 651)	(4) SDSSJ110413.32 +281530.3	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=1; BUFFER-TIME=12 80			1390 Secs (1387 Secs) [==>1387.0 Secs]	[1]
	3	1291 split2a (COS.sp.619 651)	(4) SDSSJ110413.32 +281530.3	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=2; BUFFER-TIME=13 10			1420 Secs (1420 Secs) [==>]	[2]
	4	1291 split2b (COS.sp.619 651)	(4) SDSSJ110413.32 +281530.3	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=3; BUFFER-TIME=13 10			1420 Secs (1420 Secs) [==>]	[2]
	5	1291 split2c (COS.sp.619 651)	(4) SDSSJ110413.32 +281530.3	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=4; BUFFER-TIME=12 20			1330 Secs (1330 Secs) [==>]	[3]
	6	1327 split1 (COS.sp.619 652)	(4) SDSSJ110413.32 +281530.3	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=1; BUFFER-TIME=13 20			1430 Secs (1430 Secs) [==>]	[3]
	7	1327 split2a (COS.sp.619 652)	(4) SDSSJ110413.32 +281530.3	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=2; BUFFER-TIME=13 15			1425 Secs (1425 Secs) [==>]	[4]
	8	1327 split2b (COS.sp.619 652)	(4) SDSSJ110413.32 +281530.3	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=3; BUFFER-TIME=13 15			1425 Secs (1425 Secs) [==>]	[4]
9	1327 split3 (COS.sp.619 652)	(4) SDSSJ110413.32 +281530.3	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=4; BUFFER-TIME=28 45			2955 Secs (2955 Secs) [==>]	[5]	



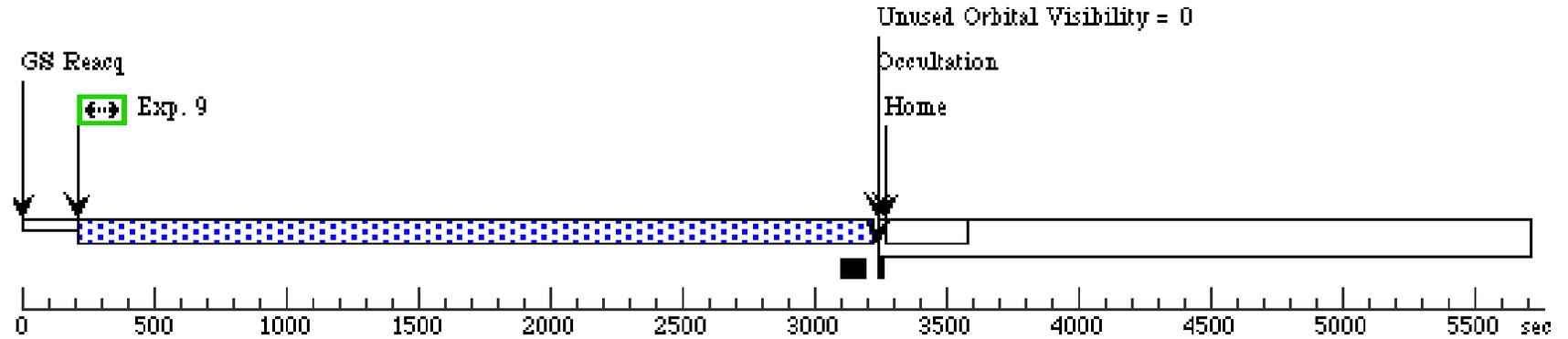
Orbit 4

Server Version: 20140605



Orbit 5

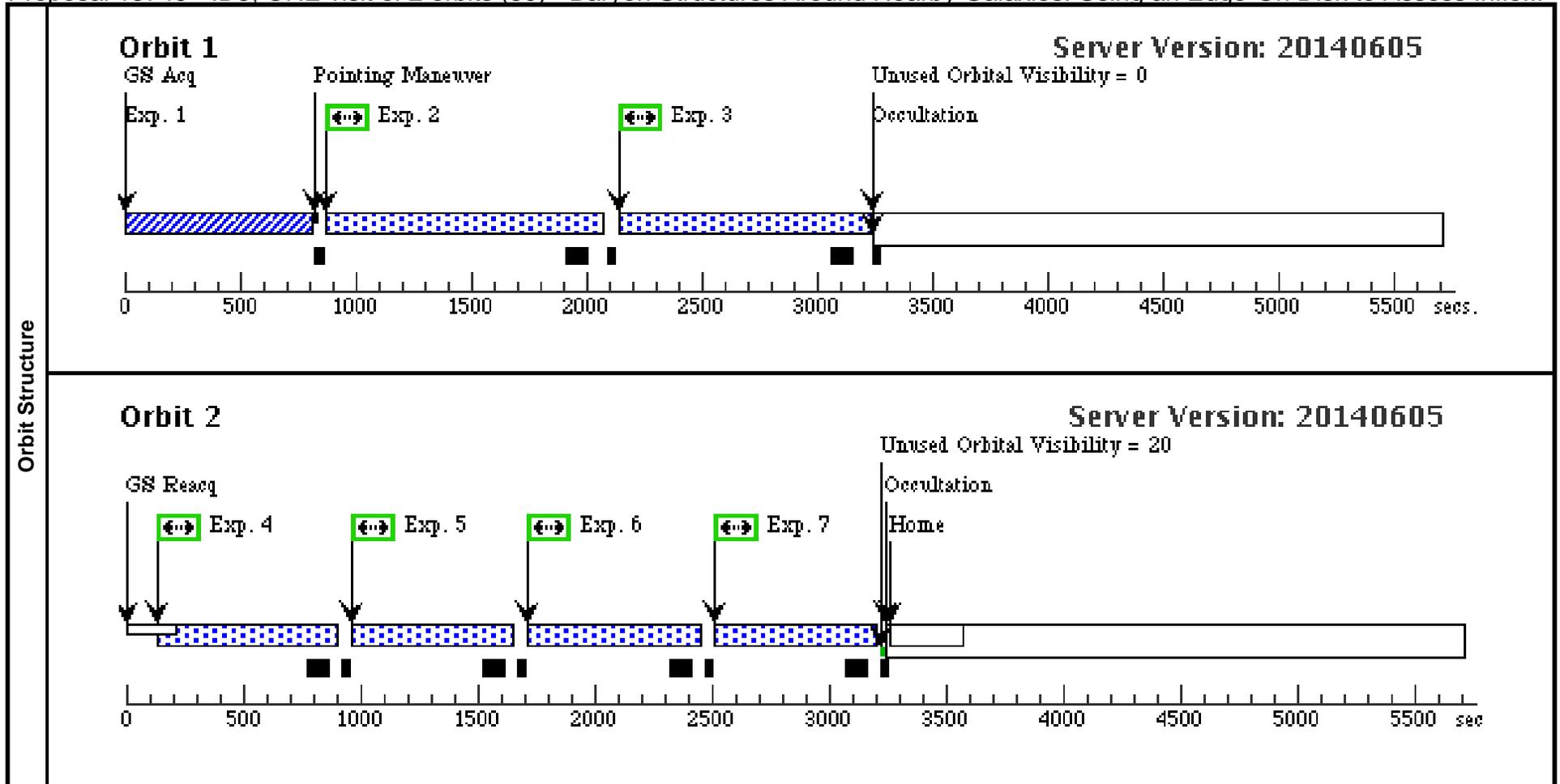
Server Version: 20140605



Proposal 13749 - ID5, ONE visit of 2 orbits (50) - Baryon Structures Around Nearby Galaxies: Using an Edge-On Disk to Assess Inflo...

Tue Jul 15 01:09:25 GMT 2014

Visit	Proposal 13749, ID5, ONE visit of 2 orbits (50), implementation Diagnostic Status: Warning Scientific Instruments: COS/NUV, COS/FUV Special Requirements: (none) <i>Comments: 2 FP-POS at 1291 CENWAVE; all 4 FP-POS at 1327, 1 orbit split into 4</i>										
	(ID5, ONE visit of 2 orbits (50)) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
	(5)	SDSSJ110052.33+283801.2	RA: 11 00 52.3200 (165.2180000d) Dec: +28 38 1.40 (28.63372d) Equinox: J2000	Redshift: 0.243	V=17.3 GALEX FUV = 177 micro-Jy, or 17.5 mag; sdss g=17.30	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	ID5 ACQ (COS.ta.618 372)	(5) SDSSJ110052.33 +283801.2	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				191 Secs (191 Secs) [==>]	[1]	
	<i>Comments: Exposure time are calculated assuming GALEX NUV flux [m(NUV)=17.7] is half that expected [m=18.5] in order to account for possible flux variations.</i>										
	2	1291a (COS.sp.619 653)	(5) SDSSJ110052.33 +283801.2	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=1; BUFFER-TIME=89 0				1000 Secs (1034 Secs) [==>1034.0 Secs]	[1]
	3	1291b (COS.sp.619 653)	(5) SDSSJ110052.33 +283801.2	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=2; BUFFER-TIME=89 0				1000 Secs (1034 Secs) [==>1034.0 Secs]	[1]
	4	1327a (COS.sp.619 654)	(5) SDSSJ110052.33 +283801.2	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=1; BUFFER-TIME=52 0				630 Secs (635 Secs) [==>635.0 Secs]	[2]
	5	1327b (COS.sp.619 654)	(5) SDSSJ110052.33 +283801.2	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=2; BUFFER-TIME=52 0				630 Secs (635 Secs) [==>635.0 Secs]	[2]
	6	1327c (COS.sp.619 654)	(5) SDSSJ110052.33 +283801.2	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=3; BUFFER-TIME=57 0				680 Secs (685 Secs) [==>685.0 Secs]	[2]
7	1327d (COS.sp.619 654)	(5) SDSSJ110052.33 +283801.2	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=4; BUFFER-TIME=52 0				630 Secs (635 Secs) [==>635.0 Secs]	[2]	



Proposal 13749 - ID6, ONE visit of 4 orbits (60) - Baryon Structures Around Nearby Galaxies: Using an Edge-On Disk to Assess Inflo...

Tue Jul 15 01:09:25 GMT 2014

Visit	Proposal 13749, ID6, ONE visit of 4 orbits (60), implementation Diagnostic Status: Warning Scientific Instruments: COS/NUV, COS/FUV Special Requirements: (none) <i>Comments: 1291 cenwave has 3 FP-POS, 1327 has 4 FP-POS</i>										
	(ID6, ONE visit of 4 orbits (60)) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
	(6)	SDSSJ110612.25+292730.6	RA: 11 06 12.2400 (166.5510000d) Dec: +29 27 30.60 (29.45850d) Equinox: J2000	Redshift: 0.313	V=17.9 GALEX FUV = 109 micro-Jy, or 18.8 mag; sdss g=17.90	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	ID6 ACQ (COS.ta.618 368)	(6) SDSSJ110612.25 +292730.6	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				444 Secs (444 Secs) [==>]	[1]	
	<i>Comments: Exposure time are calculated assuming GALEX NUV flux [m(NUV)=18.6] is half that expected [m=19.4] in order to account for possible flux variations.</i>										
	2	1291 split1 (COS.sp.619 655)	(6) SDSSJ110612.25 +292730.6	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=1; BUFFER-TIME=15 50				1660 Secs (1677 Secs) [==>1677.0 Secs]	[1]
	3	1291 split2a (COS.sp.619 655)	(6) SDSSJ110612.25 +292730.6	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=2; BUFFER-TIME=13 10				1420 Secs (1420 Secs) [==>]	[2]
	4	1291 split2b (COS.sp.619 655)	(6) SDSSJ110612.25 +292730.6	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=3; BUFFER-TIME=13 10				1420 Secs (1420 Secs) [==>]	[2]
	5	1327 split1a (COS.sp.619 656)	(6) SDSSJ110612.25 +292730.6	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=1; BUFFER-TIME=13 10				1420 Secs (1420 Secs) [==>]	[3]
	6	1327 split1b (COS.sp.619 656)	(6) SDSSJ110612.25 +292730.6	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=2; BUFFER-TIME=13 10				1420 Secs (1420 Secs) [==>]	[3]
	7	1327 split2a (COS.sp.619 656)	(6) SDSSJ110612.25 +292730.6	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=3; BUFFER-TIME=13 10				1420 Secs (1420 Secs) [==>]	[4]
	8	1327 split2b (COS.sp.619 656)	(6) SDSSJ110612.25 +292730.6	COS/FUV, TIME-TAG, PSA	G130M 1327 A	FP-POS=4; BUFFER-TIME=13 10				1420 Secs (1420 Secs) [==>]	[4]

