



13862 - Measuring the Impact of Starbursts on the Circum-Galactic Medium

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>
01	(1) J080704.88+360353.5	COS/FUV COS/NUV	5	13-Aug-2015 21:20:55.0	yes
02	(2) J083331.57+523405.4	COS/FUV COS/NUV	3	13-Aug-2015 21:20:59.0	yes
03	(3) J110631.05+351051.3	COS/FUV COS/NUV	5	13-Aug-2015 21:21:02.0	yes
53	(53) J110631.05+351051.3-COPY	COS/FUV COS/NUV	5	13-Aug-2015 21:21:05.0	yes
04	(4) J113524.05+074502.5	COS/FUV COS/NUV	4	13-Aug-2015 21:21:08.0	yes
05	(5) J114903.47+220424.3	COS/FUV COS/NUV	3	13-Aug-2015 21:21:10.0	yes

Proposal 13862 (STScI Edit Number: 2, Created: Thursday, August 13, 2015 8:21:35 PM EST) - Overview

<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>
06	(6) J120013.03+001757.2	COS/FUV COS/NUV	3	13-Aug-2015 21:21:14.0	yes
07	(7) J133356.38+313355.3	COS/FUV COS/NUV	4	13-Aug-2015 21:21:16.0	yes
08	(8) J142127.85+473011.7	COS/FUV COS/NUV	3	13-Aug-2015 21:21:19.0	yes
09	(9) J143145.98+030143.8	COS/FUV COS/NUV	2	13-Aug-2015 21:21:20.0	yes
16	(9) J143145.98+030143.8	COS/NUV	5	13-Aug-2015 21:21:22.0	yes
10	(10) J155837.78+081345.7	COS/FUV COS/NUV	3	13-Aug-2015 21:21:25.0	yes
11	(11) J165931.92+373528.8	COS/FUV COS/NUV	4	13-Aug-2015 21:21:27.0	yes
12	(12) J132059.41+295728.1	COS/FUV COS/NUV	2	13-Aug-2015 21:21:29.0	yes
13	(13) J084349.75+261910.7	COS/FUV COS/NUV	1	13-Aug-2015 21:21:30.0	yes
14	(14) J102847.00+391800.4	COS/FUV COS/NUV	1	13-Aug-2015 21:21:32.0	yes
15	(15) J140505.77+470441.1	COS/FUV COS/NUV	1	13-Aug-2015 21:21:33.0	yes

54 Total Orbits Used

ABSTRACT

We request 49 orbits with COS to measure the impact of starburst-driven outflows on the surrounding Circum-Galactic Medium (CGM) using absorption-line spectroscopy of background QSOs. In a small pilot program with COS we were able to establish that the CGM surrounding starbursts is characterized by unusually strong CIV1549,1551 absorption lines out to an impact parameter of at least 200 kpc, most likely caused by the shock-ionization of CGM clouds by the starburst-driven wind. The new data we request will increase our sample with CIV measurements from 5

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to 17 low redshift starbursts. These span a range in starburst age from < 100 Myr to > 600 Myr. With 17 total sightlines we will be able to study the time-evolution of the wind-CGM interaction. We will also be able to probe the size and geometrical structure of the wind-CGM interaction by looking for trends with the impact parameter and orientation (with respect to the galaxy minor axis) of the sightline, and to clarify the dependence of the wind-CGM interaction on the starburst strength and galaxy mass. In addition, we will obtain data on the OVI1032,1038 line for seven starbursts for which efficient COS observations can be made. This will extend our probe of the wind-CGM interaction to significantly hotter gas, and will also allow us to compare OVI in starbursts to the ordinary star-forming galaxies in the COS-Halos project. These new data will significantly improve our understanding of how galactic winds impact the evolution of galaxies and the inter-galactic medium

OBSERVING DESCRIPTION

Goal:

Our goal is to build a sample of QSO/galaxy pairs with impact parameter < 250 kpc to study the interaction between starburst driven winds and multi-phase gas in galactic halos. Our COS data will range over 1150 - 1450 Å with G130M, 1390-1751 Å with G160M, and in one case up to ~ 2000 Å with G185M. These data give us access to a host of important ionization transitions such as highly ionized gas traced by CIV, OVI, SiIV; neutral gas indicators such as LyA (1215Å), OI, CII, SiII; and intermediate ionization transition such as SiIII. These transitions will help us in estimating the ionization state, density, and metallicity of the gas at the outskirts of the starburst galaxies. The galaxy redshifts range from $z \sim 0.02-0.15$, where most of these ions will be covered on at least one of the grating settings.

Target Information: Most of our target QSOs are discovered by SDSS, and so have not been observed spectroscopically in the UV before. To ensure sufficient flux in the G130M bands we have cross-referenced our QSO catalog with the GALEX all-sky survey (AIS) and selected only QSOs with a significant detection in the GALEX FUV band (~ 1500 Å). Measured GALEX FUV magnitudes for our sample range from 17.8 to 19.0 (NUV fluxes from 17.5-18.8). The redshifts of the QSOs range from $z = 0.33$ to 0.95.

Notes on Acquisitions:

Our coordinates are all from SDSS, with astrometry good to 100 mas, so we adopt NUV imaging (ACQ/IMAGE) for all targets. Our experience in previous COS programs is that IMAGE acquisitions are working well for these targets. We have set the exposure times in order to obtain $S/N = 40$ in the NUV using MIRRORA or MIRRORB (for the two brighter targets). Exposure times were calculated for individual targets.

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A summary of the acquisition times are provided below. Note that in every case, the local and global count rates are far below the limits.

QSO_NUV	MIRROR	Integration times	COS ETC	Target#
17.5	B	79s	COS.im.620962	14
17.6	B	87s	COS.im.620964	3
17.9	A	6s	COS.im.620944	13, 15
18.0	A	6s	COS.im.620946	-
18.1	A	7s	COS.im.620948	11
18.2	A	8s	COS.im.620950	6, 8, 10
18.3	A	8s	COS.im.620952	2, 5
18.4	A	9s	COS.im.620954	-
18.5	A	10s	COS.im.620956	1, 12
18.6	A	11s	COS.im.620958	-
18.7	A	12s	COS.im.620960	4, 7
18.8	A	13s	COS.im.620961	9

Exposures:

We use the COS online ETC to calculate that we will achieve $S/N = 3-5$ per resolution element over observed wavelengths corresponding to OVI (1037A, 1031A), LyA (1215), SiIV(1393A, 1402A) and CIV (1548-1550A) for each of the targeted foreground galaxy. The central wavelengths are set to optimally cover the interesting absorption lines from the galaxies of interest.

These objects never get close to the bright limits, whatever the magnitude, redshift, or central wavelength setting.

For safety, we have tested the QSOs that are an order of magnitude brighter:

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FUV	Grating	Exp_time	ETC run	Conclusion
16.7	G130M	9000s (3 orbits)	COS.sp.623544	Safe
16.7	G136M	15000s (6 orbits)	COS.sp.623546	Safe

The representative ETCs show that geocoronal Ly α (1216A) is always the brightest spot in G130M regardless of the cenwave, but is still well below the limits (0.2 cts at Ly α vs. 0.67 cts limit; see COS.sp.623547), and the targets tend to be at least an order of magnitude fainter. No strong geocoronal lines are expected in G160M spectra.

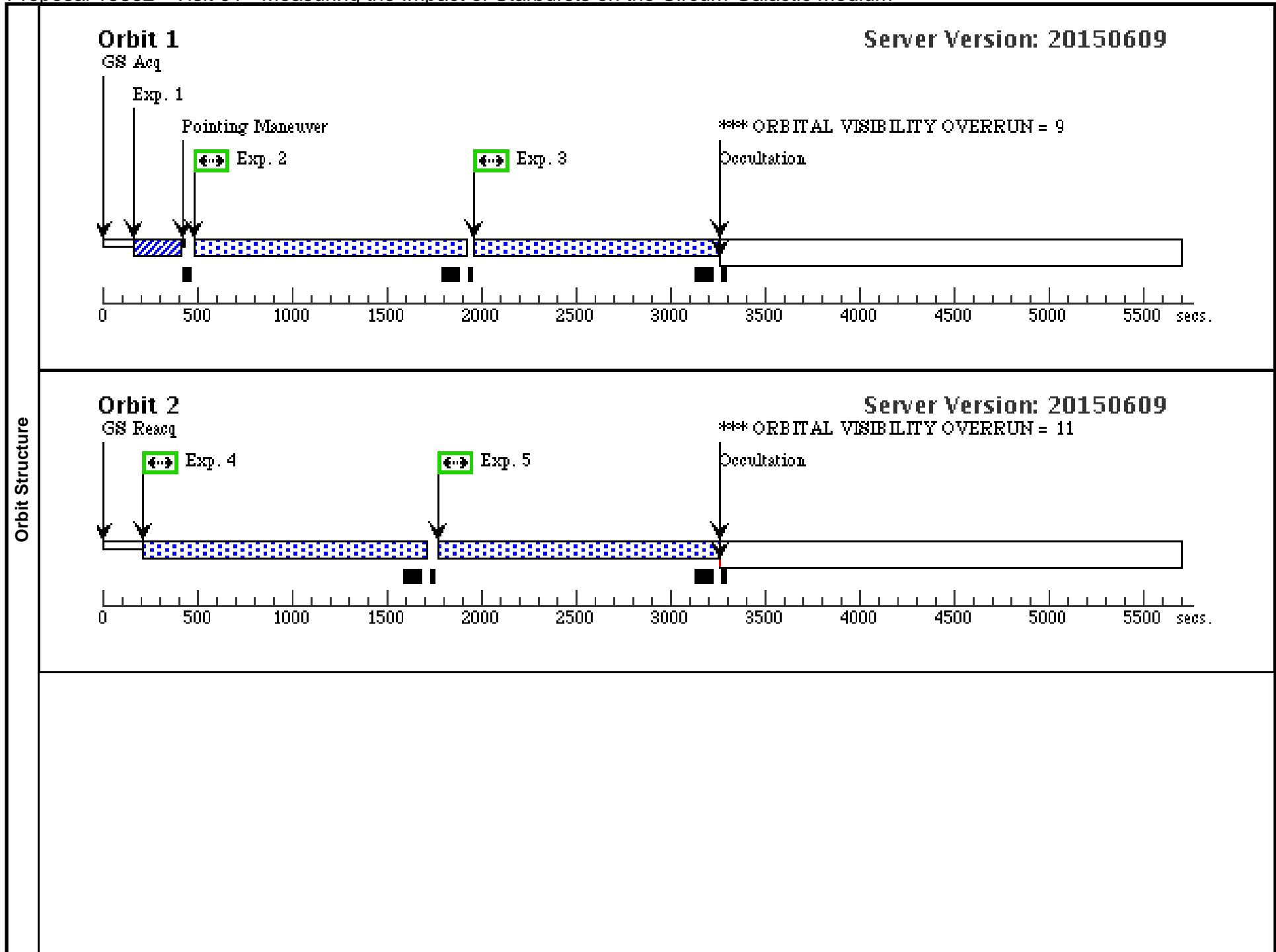
Proposal 13862 - Visit 01 - Measuring the Impact of Starbursts on the Circum-Galactic Medium

Fri Aug 14 01:21:35 GMT 2015

Visit	Proposal 13862, Visit 01, scheduling Diagnostic Status: Warning Scientific Instruments: COS/NUV, COS/FUV Special Requirements: (none)						
	Diagnostics	(Visit 01) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 01) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 01) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 01) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 01) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Exposure 2 (Visit 01)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target. (Exposure 3 (Visit 01)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target. (Exposure 4 (Visit 01)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target. (Exposure 5 (Visit 01)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target. (Exposure 6 (Visit 01)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target. (Exposure 7 (Visit 01)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target. (Exposure 8 (Visit 01)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target. (Exposure 9 (Visit 01)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target. (Exposure 10 (Visit 01)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target. (Exposure 11 (Visit 01)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.					
Fixed Targets		#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
		(1)	J080704.88+360353.5	RA: 08 07 4.8871 (121.7703629d) Dec: +36 03 53.54 (36.06487d) Equinox: J2000		V=17.9 GALEX FUV=18.8, GALEX NUV=18.54114	Reference Frame: ICRS

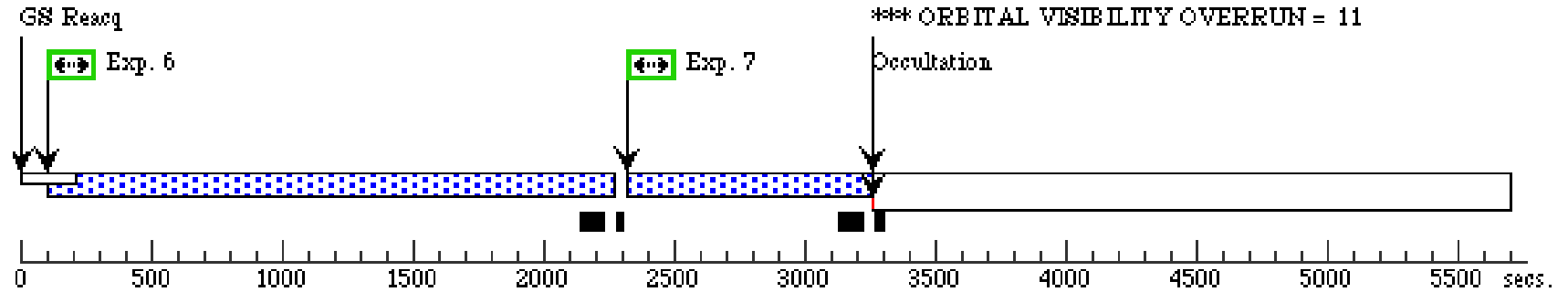
Proposal 13862 - Visit 01 - Measuring the Impact of Starbursts on the Circum-Galactic Medium

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
Exposures	1	Target Acq (620956)	(1) J080704.88+360 353.5	COS/NUV, ACQ/IMAGE, PSA	MIRRORA			10 Secs (10 Secs)	[==>]	[1]
	2	(618394)	(1) J080704.88+360 353.5	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=1; BUFFER-TIME=11 40; EXTENDED=NO		1250 Secs (1250 Secs)	[==>]	[1]
	3	(618394)	(1) J080704.88+360 353.5	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=2; BUFFER-TIME=11 30; EXTENDED=NO		1240 Secs (1240 Secs)	[==>]	[1]
	4	(618394)	(1) J080704.88+360 353.5	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=3; BUFFER-TIME=13 37; EXTENDED=NO		1447 Secs (1447 Secs)	[==>]	[2]
	5	(618394)	(1) J080704.88+360 353.5	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=4; BUFFER-TIME=13 30; EXTENDED=NO		1440 Secs (1440 Secs)	[==>]	[2]
	6	(621107)	(1) J080704.88+360 353.5	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=1; BUFFER-TIME=18 90; EXTENDED=NO		2000 Secs (2000 Secs)	[==>]	[3]
	7	(621107)	(1) J080704.88+360 353.5	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=2; BUFFER-TIME=77 5; EXTENDED=NO		885 Secs (885 Secs)	[==>]	[3]
	8	(621107)	(1) J080704.88+360 353.5	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=2; BUFFER-TIME=18 90; EXTENDED=NO		1000 Secs (1000 Secs)	[==>]	[4]
	9	(621107)	(1) J080704.88+360 353.5	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=3; BUFFER-TIME=17 39; EXTENDED=NO		1849 Secs (1849 Secs)	[==>]	[4]
	10	(621107)	(1) J080704.88+360 353.5	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=3; BUFFER-TIME=65 7; EXTENDED=NO		767 Secs (767 Secs)	[==>]	[5]
	11	(621107)	(1) J080704.88+360 353.5	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=4; BUFFER-TIME=20 00; EXTENDED=NO		2110 Secs (2110 Secs)	[==>]	[5]



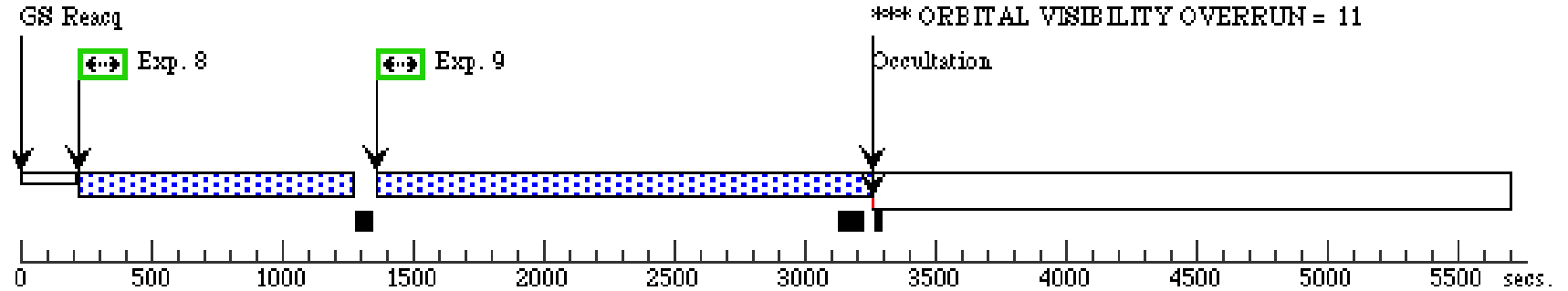
Orbit 3

Server Version: 20150609



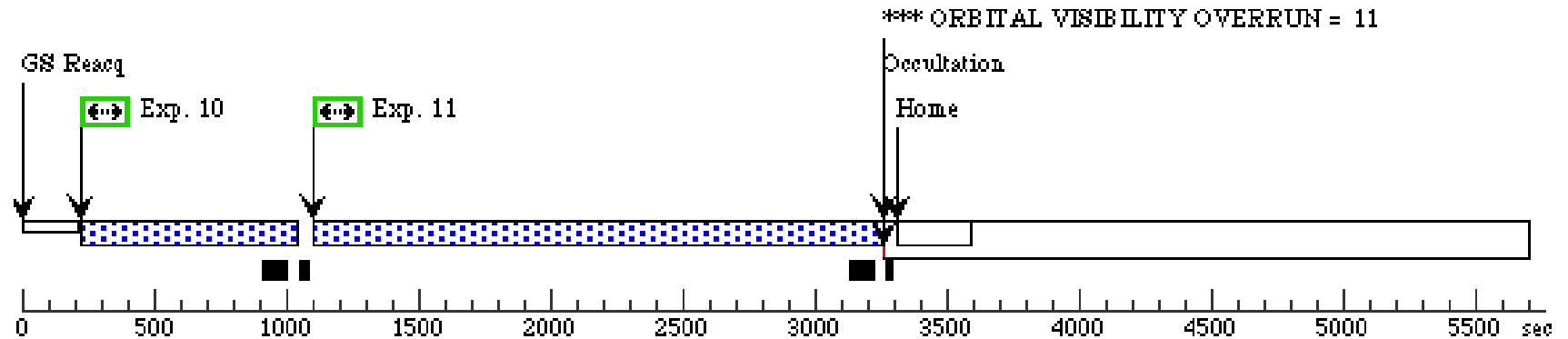
Orbit 4

Server Version: 20150609



Orbit 5

Server Version: 20150609



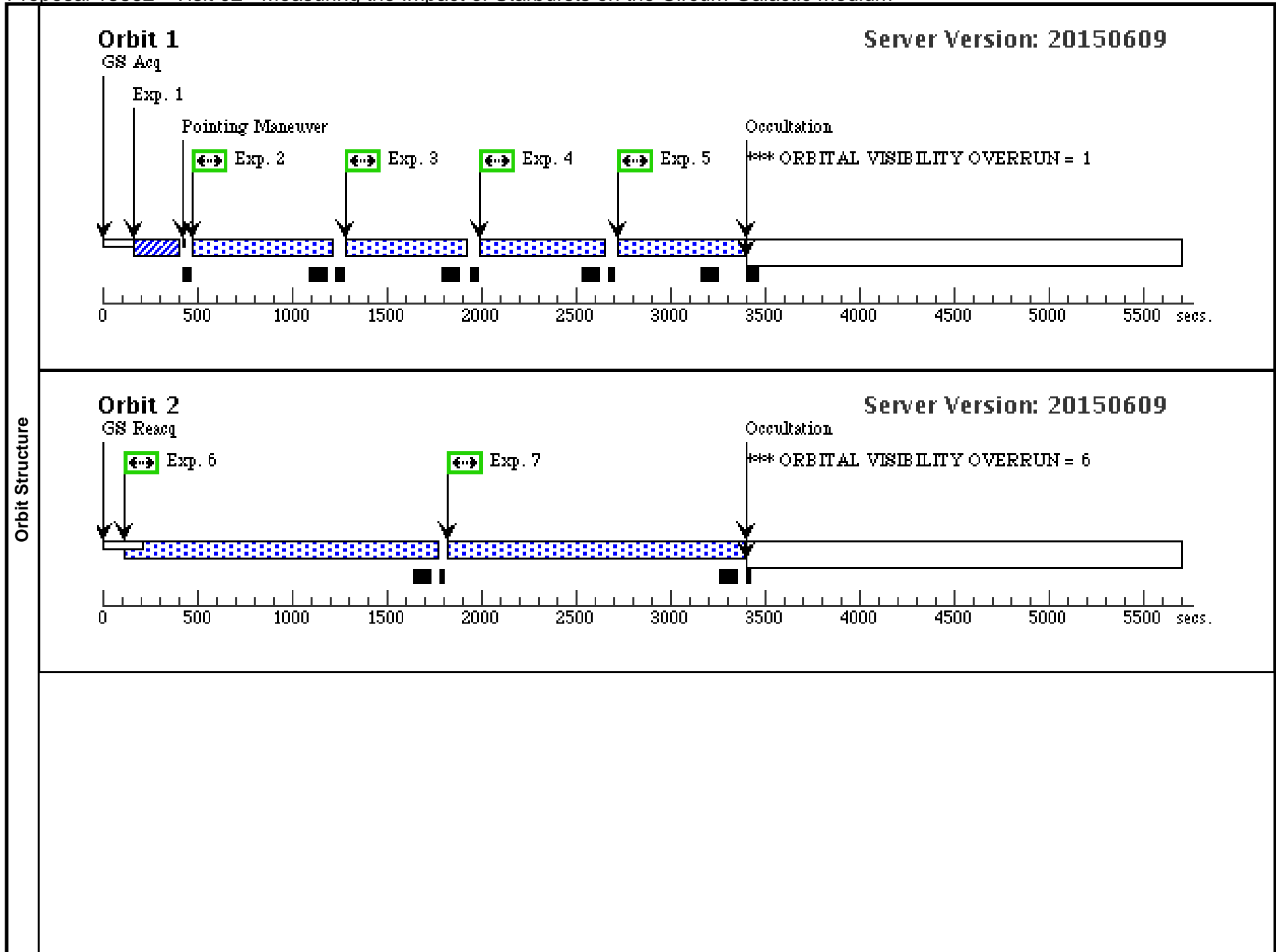
Proposal 13862 - Visit 02 - Measuring the Impact of Starbursts on the Circum-Galactic Medium

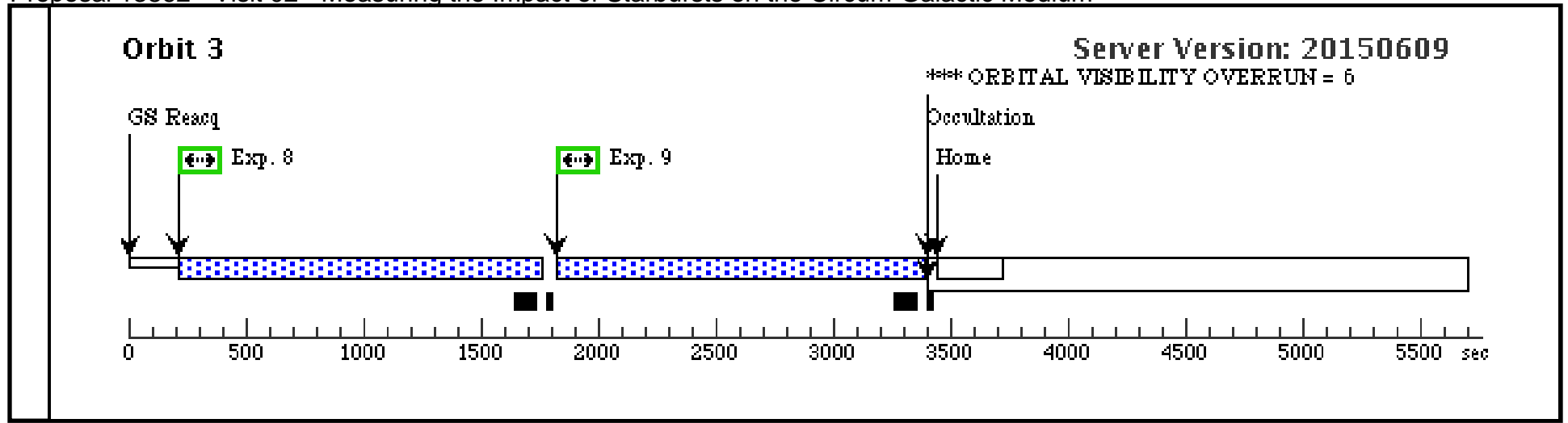
Fri Aug 14 01:21:35 GMT 2015

Visit	Proposal 13862, Visit 02, scheduling Diagnostic Status: Warning Scientific Instruments: COS/NUV, COS/FUV Special Requirements: (none)					
Diagnostics	(Visit 02) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 02) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 02) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Exposure 2 (Visit 02)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target. (Exposure 3 (Visit 02)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target. (Exposure 4 (Visit 02)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target. (Exposure 5 (Visit 02)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target. (Exposure 6 (Visit 02)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target. (Exposure 7 (Visit 02)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target. (Exposure 8 (Visit 02)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target. (Exposure 9 (Visit 02)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(2)	J083331.57+523405.4	RA: 08 33 31.5743 (128.3815596d) Dec: +52 34 5.43 (52.56818d) Equinox: J2000		V=18.1 GALEX FUV=18.7, GALEX NUV=18.3	Reference Frame: ICRS

Proposal 13862 - Visit 02 - Measuring the Impact of Starbursts on the Circum-Galactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Target Acq (620952)	(2) J083331.57+523 405.4	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				8 Secs (8 Secs)	
									[==>]	[1]
	2	(621104)	(2) J083331.57+523 405.4	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=1; BUFFER-TIME=46 4; EXTENDED=NO			574 Secs (574 Secs)	
									[==>]	[1]
	3	(621104)	(2) J083331.57+523 405.4	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=2; BUFFER-TIME=47 4; EXTENDED=NO			584 Secs (584 Secs)	
									[==>]	[1]
	4	(621104)	(2) J083331.57+523 405.4	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=3; BUFFER-TIME=50 0; EXTENDED=NO			610 Secs (610 Secs)	
									[==>]	[1]
	5	(621104)	(2) J083331.57+523 405.4	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=4; BUFFER-TIME=40 5; EXTENDED=NO			615 Secs (615 Secs)	
								[==>]	[1]	
6	(621105)	(2) J083331.57+523 405.4	COS/FUV, TIME-TAG, PSA	G160M 1600 A	FP-POS=1; BUFFER-TIME=13 90; EXTENDED=NO			1500 Secs (1500 Secs)		
								[==>]	[2]	
7	(621105)	(2) J083331.57+523 405.4	COS/FUV, TIME-TAG, PSA	G160M 1600 A	FP-POS=2; BUFFER-TIME=14 06; EXTENDED=NO			1516 Secs (1516 Secs)		
								[==>]	[2]	
8	(621105)	(2) J083331.57+523 405.4	COS/FUV, TIME-TAG, PSA	G160M 1600 A	FP-POS=3; BUFFER-TIME=13 90; EXTENDED=NO			1500 Secs (1500 Secs)		
								[==>]	[3]	
9	(621105)	(2) J083331.57+523 405.4	COS/FUV, TIME-TAG, PSA	G160M 1600 A	FP-POS=4; BUFFER-TIME=14 08; EXTENDED=NO			1518 Secs (1518 Secs)		
								[==>]	[3]	





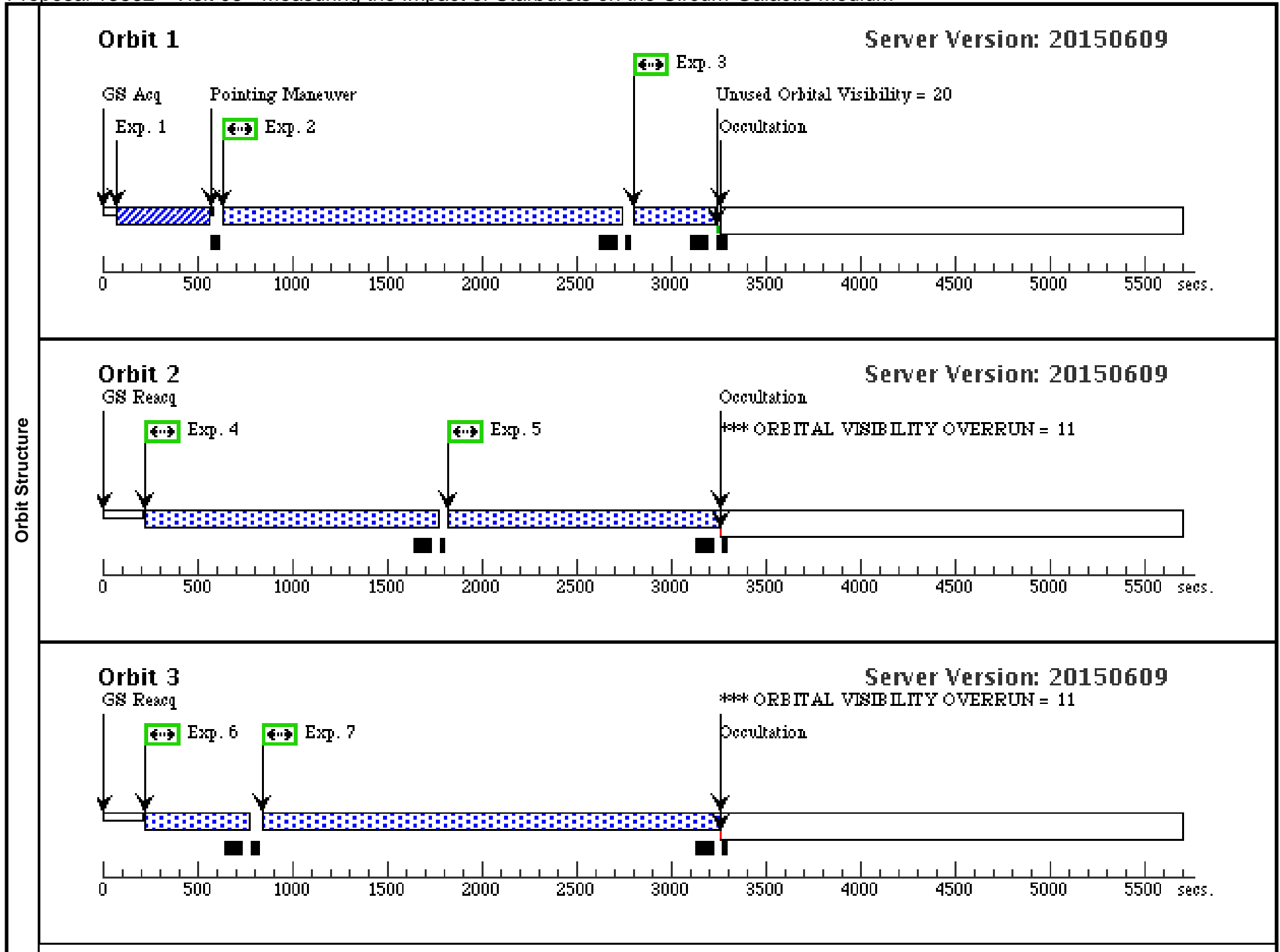
Proposal 13862 - Visit 03 - Measuring the Impact of Starbursts on the Circum-Galactic Medium

Fri Aug 14 01:21:36 GMT 2015

Visit	<p>Proposal 13862, Visit 03, failed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: COS/NUV, COS/FUV</p> <p>Special Requirements: (none)</p>					
Diagnostics	<p>(Visit 03) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p> <p>(Visit 03) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p> <p>(Visit 03) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p> <p>(Visit 03) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p> <p>(Exposure 2 (Visit 03)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.</p> <p>(Exposure 3 (Visit 03)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.</p> <p>(Exposure 4 (Visit 03)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.</p> <p>(Exposure 5 (Visit 03)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.</p> <p>(Exposure 6 (Visit 03)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.</p> <p>(Exposure 7 (Visit 03)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.</p> <p>(Exposure 8 (Visit 03)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.</p> <p>(Exposure 9 (Visit 03)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.</p> <p>(Exposure 10 (Visit 03)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.</p> <p>(Exposure 11 (Visit 03)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.</p>					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(3)	J110631.05+351051.3	RA: 11 06 31.0559 (166.6293996d) Dec: +35 10 51.33 (35.18092d) Equinox: J2000		V=18.1 GALEX FUV=18.3, GALEX NUV=17.6	Reference Frame: ICRS

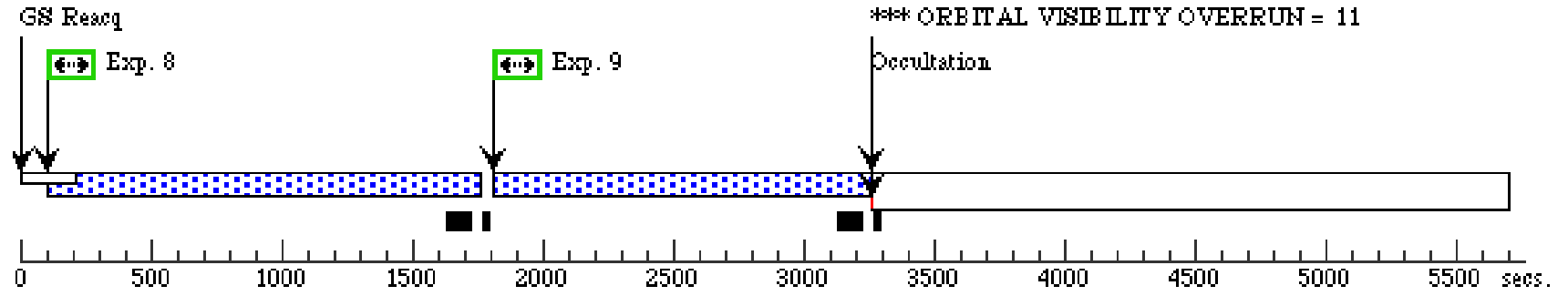
Proposal 13862 - Visit 03 - Measuring the Impact of Starbursts on the Circum-Galactic Medium

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	Target Acq (620964)	(3) J110631.05+351 051.3	COS/NUV, ACQ/IMAGE, PSA	MIRRORB			87 Secs (87 Secs) [==>]	[1]
	2	(621103)	(3) J110631.05+351 051.3	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=1; BUFFER-TIME=18 17; EXTENDED=NO		1927 Secs (1927 Secs) [==>]	[1]
	3	(621103)	(3) J110631.05+351 051.3	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=2; BUFFER-TIME=27 0; EXTENDED=NO		380 Secs (380 Secs) [==>]	[1]
	4	(621103)	(3) J110631.05+351 051.3	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=2; BUFFER-TIME=13 90; EXTENDED=NO		1500 Secs (1500 Secs) [==>]	[2]
	5	(621103)	(3) J110631.05+351 051.3	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=3; BUFFER-TIME=12 77; EXTENDED=NO		1387 Secs (1387 Secs) [==>]	[2]
	6	(621103)	(3) J110631.05+351 051.3	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=3; BUFFER-TIME=39 0; EXTENDED=NO		500 Secs (500 Secs) [==>]	[3]
	7	(621103)	(3) J110631.05+351 051.3	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=4; BUFFER-TIME=22 58; EXTENDED=NO		2368 Secs (2368 Secs) [==>]	[3]
	8	(621102)	(3) J110631.05+351 051.3	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=1; BUFFER-TIME=13 77; EXTENDED=NO		1487 Secs (1487 Secs) [==>]	[4]
	9	(621102)	(3) J110631.05+351 051.3	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=2; BUFFER-TIME=12 88; EXTENDED=NO		1398 Secs (1398 Secs) [==>]	[4]
	10	(621102)	(3) J110631.05+351 051.3	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=3; BUFFER-TIME=13 77; EXTENDED=NO		1487 Secs (1487 Secs) [==>]	[5]
	11	(621102)	(3) J110631.05+351 051.3	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=4; BUFFER-TIME=12 90; EXTENDED=NO		1400 Secs (1400 Secs) [==>]	[5]



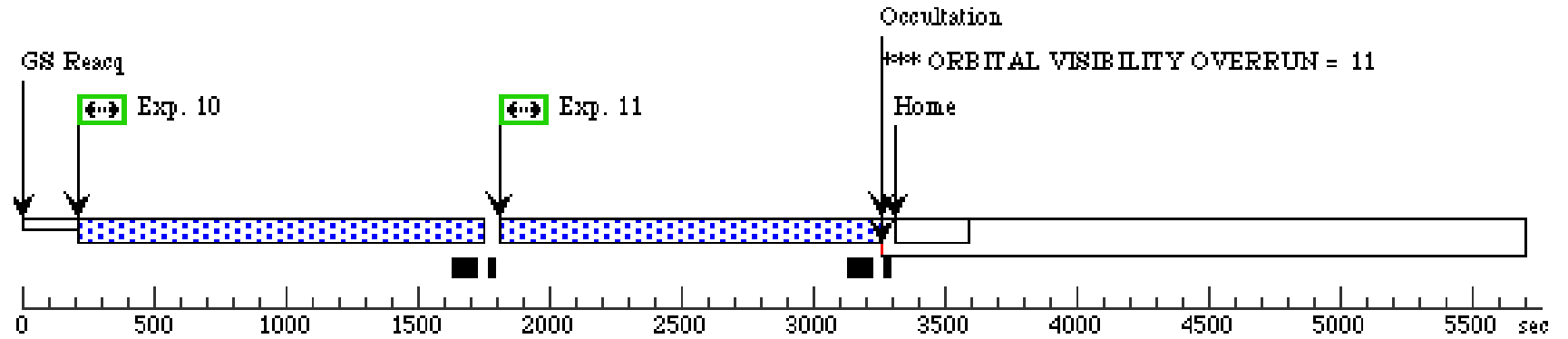
Orbit 4

Server Version: 20150609



Orbit 5

Server Version: 20150609



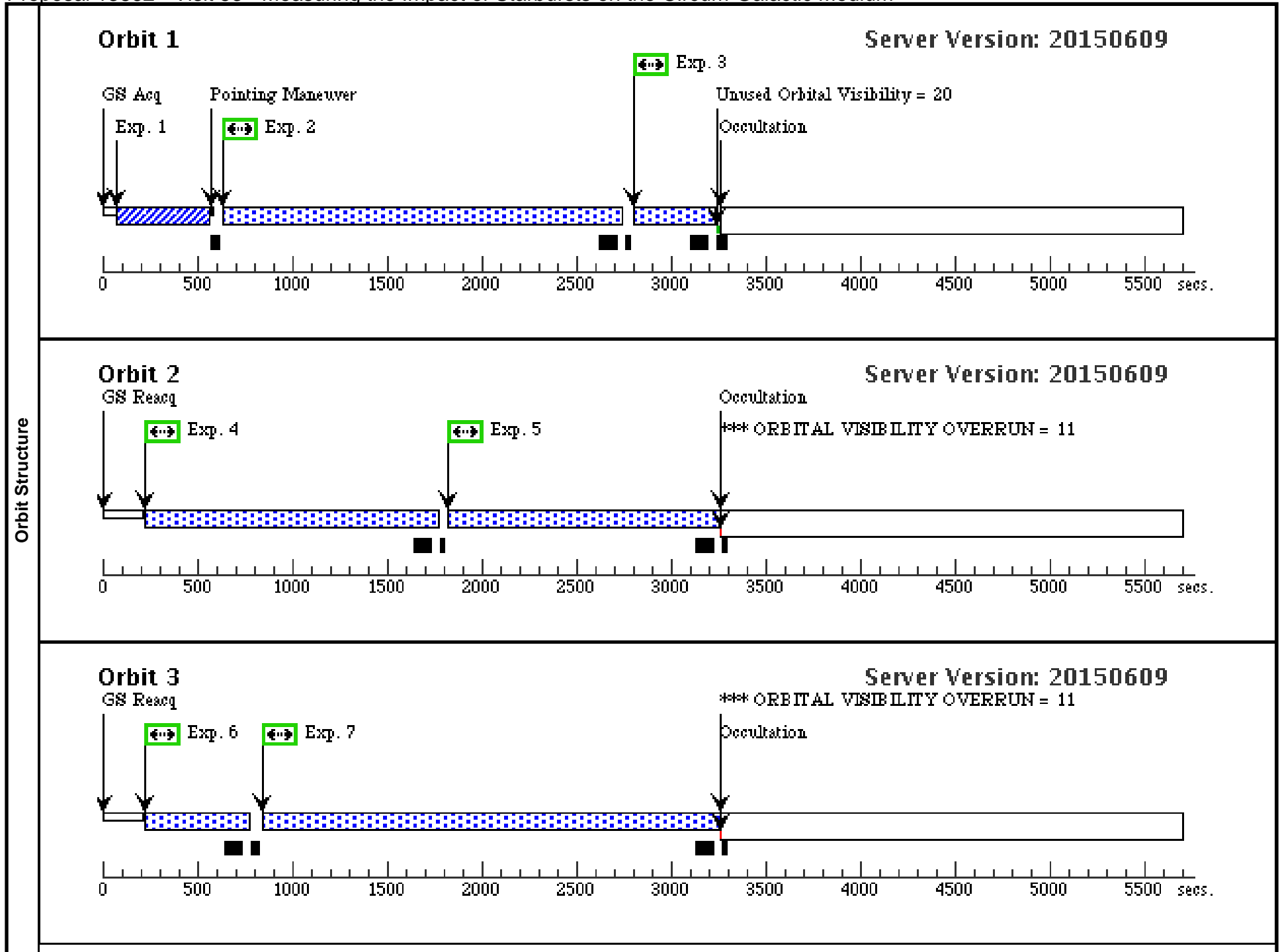
Proposal 13862 - Visit 53 - Measuring the Impact of Starbursts on the Circum-Galactic Medium

Fri Aug 14 01:21:36 GMT 2015

Visit	Proposal 13862, Visit 53, implementation Diagnostic Status: Warning Scientific Instruments: COS/NUV, COS/FUV Special Requirements: (none) <i>Comments: HOPR copy of visit 03, failed due to bad guide star</i>																
Diagnostics	(Visit 53) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 53) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 53) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 53) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN																
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>(53)</td> <td>J110631.05+351051.3-COPY</td> <td> RA: 11 06 31.0559 (166.6293996d) Dec: +35 10 51.33 (35.18092d) Equinox: J2000 </td> <td></td> <td> V=18.1 GALEX FUV=18.3, GALEX NUV=17.6 </td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(53)	J110631.05+351051.3-COPY	RA: 11 06 31.0559 (166.6293996d) Dec: +35 10 51.33 (35.18092d) Equinox: J2000		V=18.1 GALEX FUV=18.3, GALEX NUV=17.6	Reference Frame: ICRS	<i>Comments: copy of target 3 so as to have the target keyword extended for COS. Extended=NO</i>			
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous												
(53)	J110631.05+351051.3-COPY	RA: 11 06 31.0559 (166.6293996d) Dec: +35 10 51.33 (35.18092d) Equinox: J2000		V=18.1 GALEX FUV=18.3, GALEX NUV=17.6	Reference Frame: ICRS												

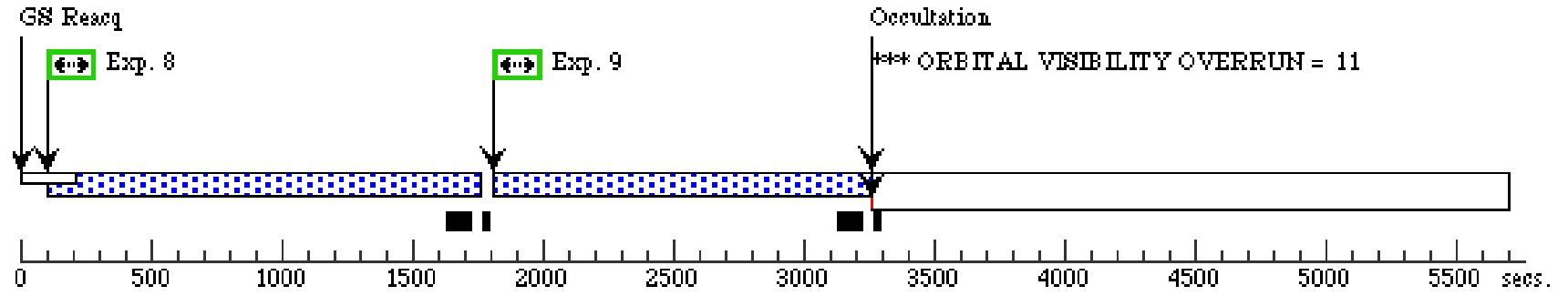
Proposal 13862 - Visit 53 - Measuring the Impact of Starbursts on the Circum-Galactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	Target Acq (620964)	(53) J110631.05+35 1051.3-COPY	COS/NUV, ACQ/IMAGE, PSA	MIRRORB					87 Secs (87 Secs)	
									[==>]	[1]	
	2	(621103)	(53) J110631.05+35 1051.3-COPY	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=1; BUFFER-TIME=18 17				1927 Secs (1927 Secs)	
									[==>]	[1]	
	3	(621103)	(53) J110631.05+35 1051.3-COPY	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=2; BUFFER-TIME=27 0				380 Secs (380 Secs)	
									[==>]	[1]	
	4	(621103)	(53) J110631.05+35 1051.3-COPY	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=2; BUFFER-TIME=13 90				1500 Secs (1500 Secs)	
									[==>]	[2]	
	5	(621103)	(53) J110631.05+35 1051.3-COPY	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=3; BUFFER-TIME=12 77				1387 Secs (1387 Secs)	
									[==>]	[2]	
6	(621103)	(53) J110631.05+35 1051.3-COPY	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=3; BUFFER-TIME=39 0				500 Secs (500 Secs)		
								[==>]	[3]		
7	(621103)	(53) J110631.05+35 1051.3-COPY	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=4; BUFFER-TIME=22 58				2368 Secs (2368 Secs)		
								[==>]	[3]		
8	(621102)	(53) J110631.05+35 1051.3-COPY	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=1; BUFFER-TIME=13 77				1487 Secs (1487 Secs)		
								[==>]	[4]		
9	(621102)	(53) J110631.05+35 1051.3-COPY	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=2; BUFFER-TIME=12 88				1398 Secs (1398 Secs)		
								[==>]	[4]		
10	(621102)	(53) J110631.05+35 1051.3-COPY	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=3; BUFFER-TIME=13 77				1487 Secs (1487 Secs)		
								[==>]	[5]		
11	(621102)	(53) J110631.05+35 1051.3-COPY	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=4; BUFFER-TIME=12 90				1400 Secs (1400 Secs)		
								[==>]	[5]		



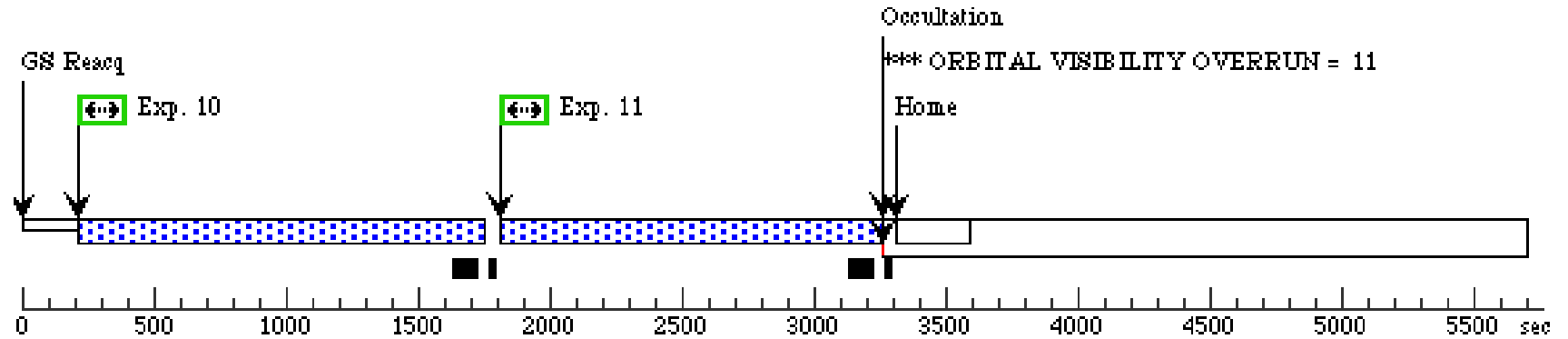
Orbit 4

Server Version: 20150609



Orbit 5

Server Version: 20150609



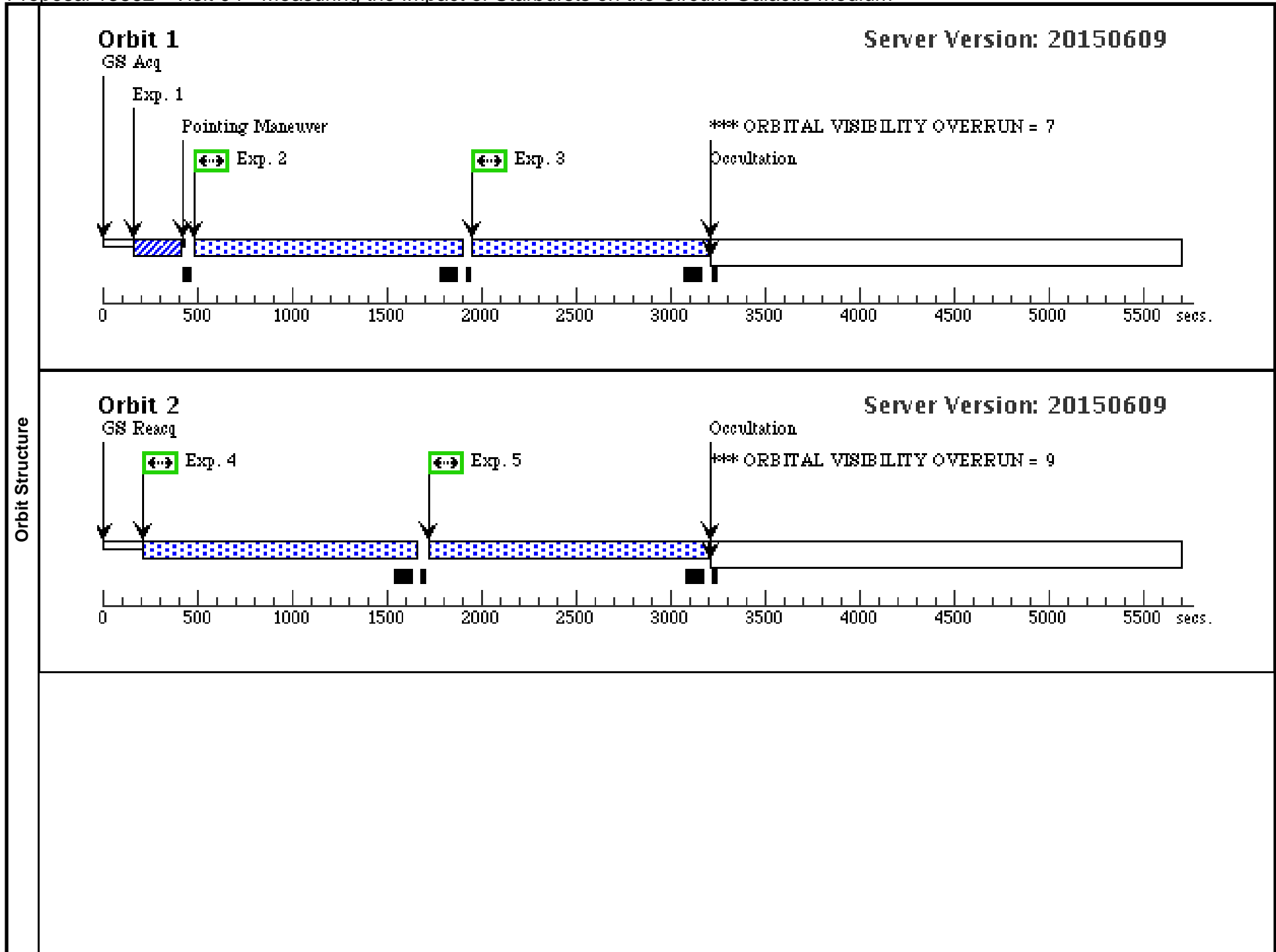
Proposal 13862 - Visit 04 - Measuring the Impact of Starbursts on the Circum-Galactic Medium

Fri Aug 14 01:21:36 GMT 2015

Visit	Proposal 13862, Visit 04, scheduling Diagnostic Status: Warning Scientific Instruments: COS/NUV, COS/FUV Special Requirements: (none)																
	Diagnostics	(Visit 04) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN															
(Visit 04) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN																	
(Visit 04) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN																	
(Visit 04) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN																	
(Exposure 2 (Visit 04)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.																	
(Exposure 3 (Visit 04)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.																	
(Exposure 4 (Visit 04)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.																	
(Exposure 5 (Visit 04)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.																	
(Exposure 6 (Visit 04)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.																	
(Exposure 7 (Visit 04)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.																	
(Exposure 8 (Visit 04)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.																	
(Exposure 9 (Visit 04)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.																	
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>(4)</td> <td>J113524.05+074502.5</td> <td>RA: 11 35 24.0518 (173.8502158d) Dec: +07 45 2.52 (7.75070d) Equinox: J2000</td> <td></td> <td>V=18.3 GALEX FUV=18.7, GALEX NUV= 18.7</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>					#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(4)	J113524.05+074502.5	RA: 11 35 24.0518 (173.8502158d) Dec: +07 45 2.52 (7.75070d) Equinox: J2000		V=18.3 GALEX FUV=18.7, GALEX NUV= 18.7	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous											
(4)	J113524.05+074502.5	RA: 11 35 24.0518 (173.8502158d) Dec: +07 45 2.52 (7.75070d) Equinox: J2000		V=18.3 GALEX FUV=18.7, GALEX NUV= 18.7	Reference Frame: ICRS												

Proposal 13862 - Visit 04 - Measuring the Impact of Starbursts on the Circum-Galactic Medium

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	Target Acq (620960)	(4) J113524.05+074 502.5	COS/NUV, ACQ/IMAGE, PSA	MIRRORA			12 Secs (12 Secs) [==>]	[1]
	2	(621100)	(4) J113524.05+074 502.5	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=1; BUFFER-TIME=11 26; EXTENDED=NO		1236 Secs (1236 Secs) [==>]	[1]
	3	(621100)	(4) J113524.05+074 502.5	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=2; BUFFER-TIME=10 84; EXTENDED=NO		1194 Secs (1194 Secs) [==>]	[1]
	4	(621100)	(4) J113524.05+074 502.5	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=3; BUFFER-TIME=12 90; EXTENDED=NO		1400 Secs (1400 Secs) [==>]	[2]
	5	(621100)	(4) J113524.05+074 502.5	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=4; BUFFER-TIME=13 21; EXTENDED=NO		1431 Secs (1431 Secs) [==>]	[2]
	6	(621101)	(4) J113524.05+074 502.5	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=1; BUFFER-TIME=13 01; EXTENDED=NO		1411 Secs (1411 Secs) [==>]	[3]
	7	(621101)	(4) J113524.05+074 502.5	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=2; BUFFER-TIME=13 08; EXTENDED=NO		1418 Secs (1418 Secs) [==>]	[3]
	8	(621101)	(4) J113524.05+074 502.5	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=3; BUFFER-TIME=13 01; EXTENDED=NO		1411 Secs (1411 Secs) [==>]	[4]
	9	(621101)	(4) J113524.05+074 502.5	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=4; BUFFER-TIME=13 08; EXTENDED=NO		1418 Secs (1418 Secs) [==>]	[4]

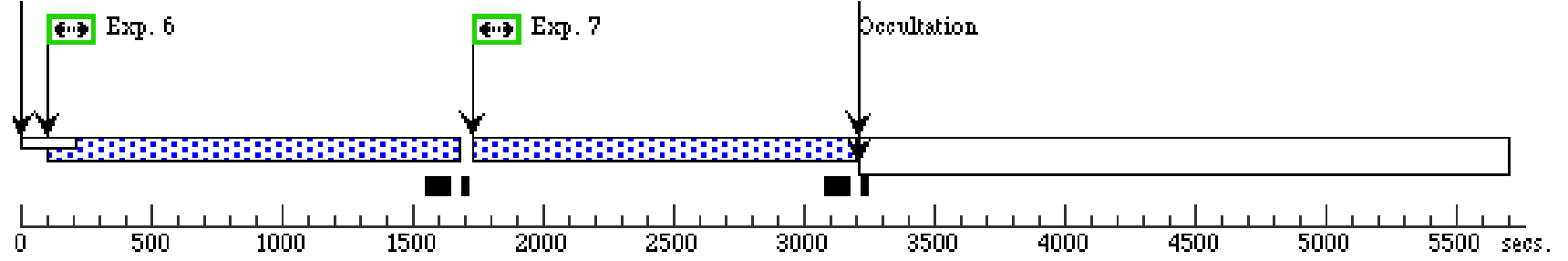


Orbit 3

Server Version: 20150609

GS Reacq

*** ORBITAL VISIBILITY OVERRUN = 9

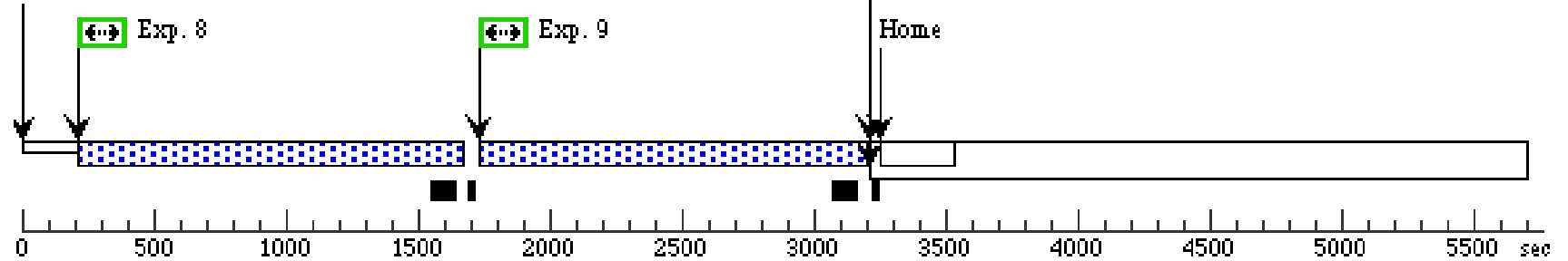


Orbit 4

Server Version: 20150609

GS Reacq

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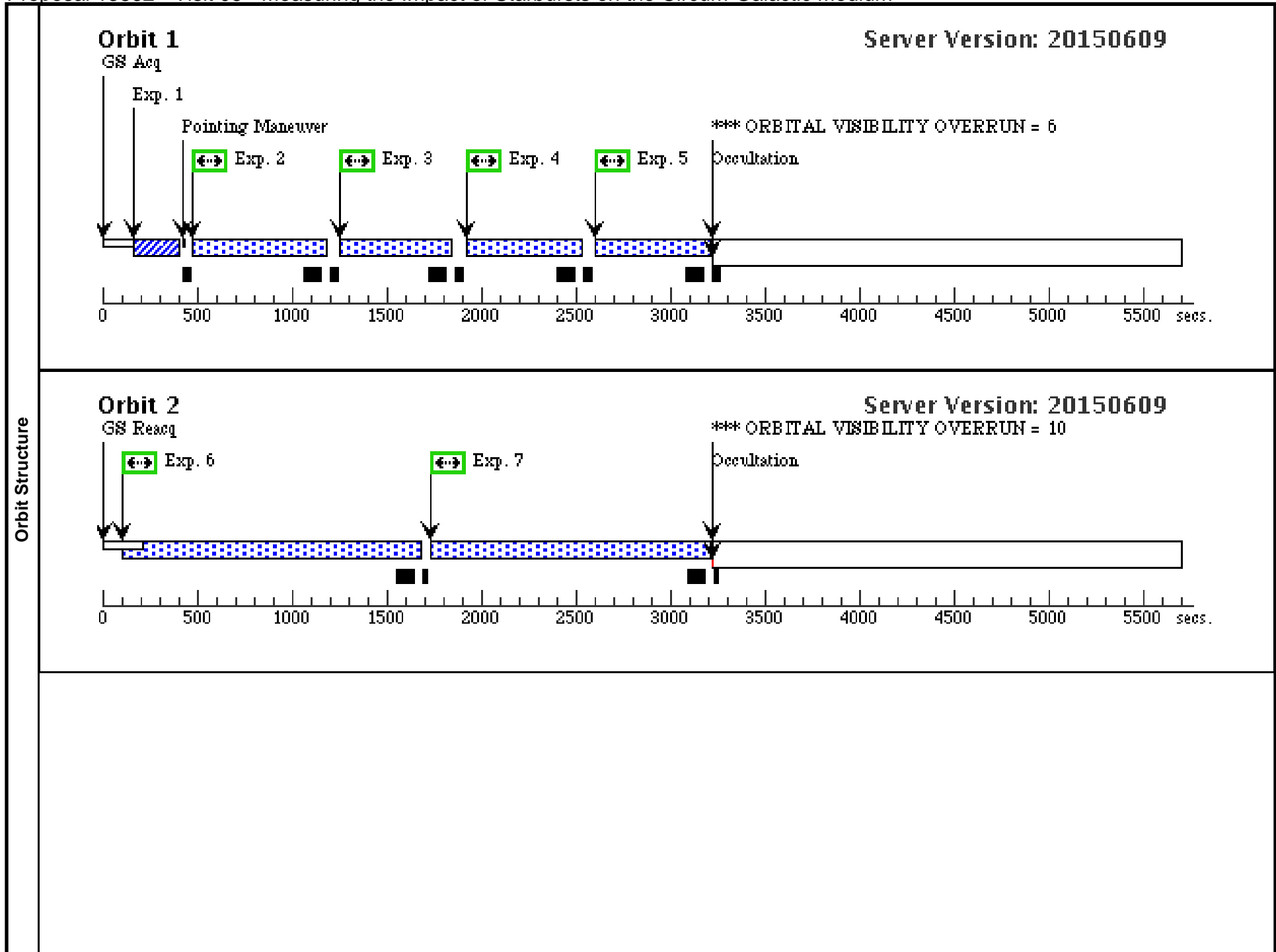
Proposal 13862 - Visit 05 - Measuring the Impact of Starbursts on the Circum-Galactic Medium

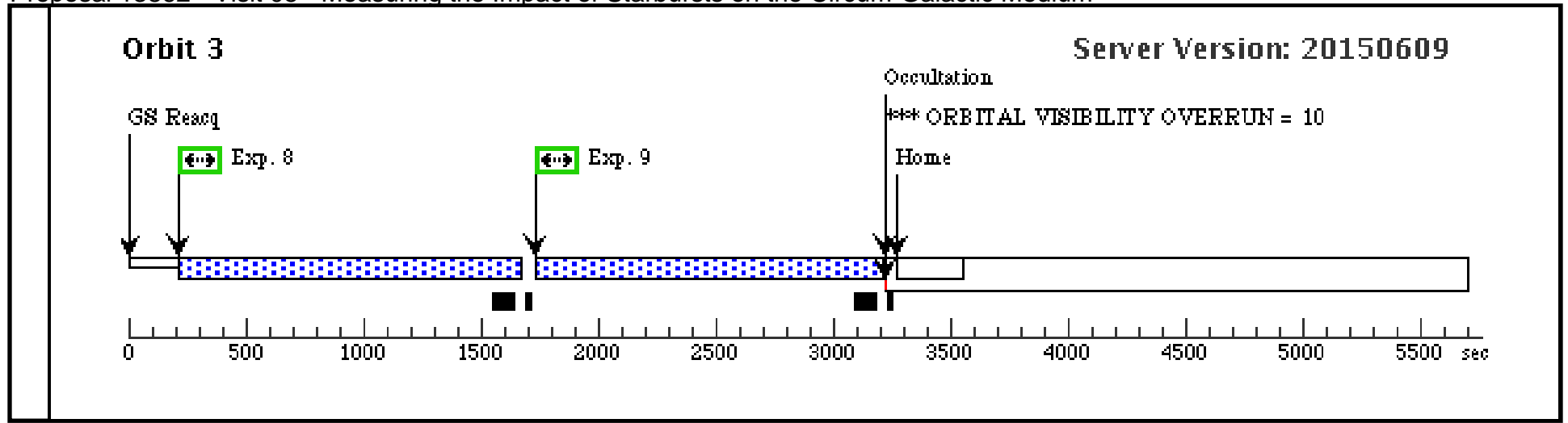
Fri Aug 14 01:21:36 GMT 2015

Visit	<p>Proposal 13862, Visit 05, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: COS/NUV, COS/FUV</p> <p>Special Requirements: (none)</p>						
	Diagnostics	<p>(Visit 05) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p> <p>(Visit 05) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p> <p>(Visit 05) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p> <p>(Exposure 2 (Visit 05)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.</p> <p>(Exposure 3 (Visit 05)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.</p> <p>(Exposure 4 (Visit 05)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.</p> <p>(Exposure 5 (Visit 05)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.</p> <p>(Exposure 6 (Visit 05)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.</p> <p>(Exposure 7 (Visit 05)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.</p> <p>(Exposure 8 (Visit 05)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.</p> <p>(Exposure 9 (Visit 05)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.</p>					
Fixed Targets		#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
		(5)	J114903.47+220424.3	RA: 11 49 3.4755 (177.2644812d) Dec: +22 04 24.37 (22.07344d) Equinox: J2000		V=17.8 GALEX FUV= 18.9, GALEX NUV=18.3	Reference Frame: ICRS

Proposal 13862 - Visit 05 - Measuring the Impact of Starbursts on the Circum-Galactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	Target Acq (620952)	(5) J114903.47+220 424.3	COS/NUV, ACQ/IMAGE, PSA	MIRRORA					8 Secs (8 Secs) [==>]	[1]
	2	(621066)	(5) J114903.47+220 424.3	COS/FUV, TIME-TAG, PSA	G130M 1300 A	FP-POS=1; BUFFER-TIME=43 0; EXTENDED=NO			540 Secs (540 Secs) [==>]	[1]	
	3	(621066)	(5) J114903.47+220 424.3	COS/FUV, TIME-TAG, PSA	G130M 1300 A	FP-POS=2; BUFFER-TIME=43 0; EXTENDED=NO			540 Secs (540 Secs) [==>]	[1]	
	4	(621066)	(5) J114903.47+220 424.3	COS/FUV, TIME-TAG, PSA	G130M 1300 A	FP-POS=3; BUFFER-TIME=44 3; EXTENDED=NO			553 Secs (553 Secs) [==>]	[1]	
	5	(621066)	(5) J114903.47+220 424.3	COS/FUV, TIME-TAG, PSA	G130M 1300 A	FP-POS=4; BUFFER-TIME=45 1; EXTENDED=NO			561 Secs (561 Secs) [==>]	[1]	
	6	(621065)	(5) J114903.47+220 424.3	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=1; BUFFER-TIME=13 00; EXTENDED=NO			1410 Secs (1410 Secs) [==>]	[2]	
	7	(621065)	(5) J114903.47+220 424.3	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=2; BUFFER-TIME=13 19; EXTENDED=NO			1429 Secs (1429 Secs) [==>]	[2]	
	8	(621065)	(5) J114903.47+220 424.3	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=3; BUFFER-TIME=13 00; EXTENDED=NO			1410 Secs (1410 Secs) [==>]	[3]	
	9	(621065)	(5) J114903.47+220 424.3	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=4; BUFFER-TIME=13 21; EXTENDED=NO			1431 Secs (1431 Secs) [==>]	[3]	





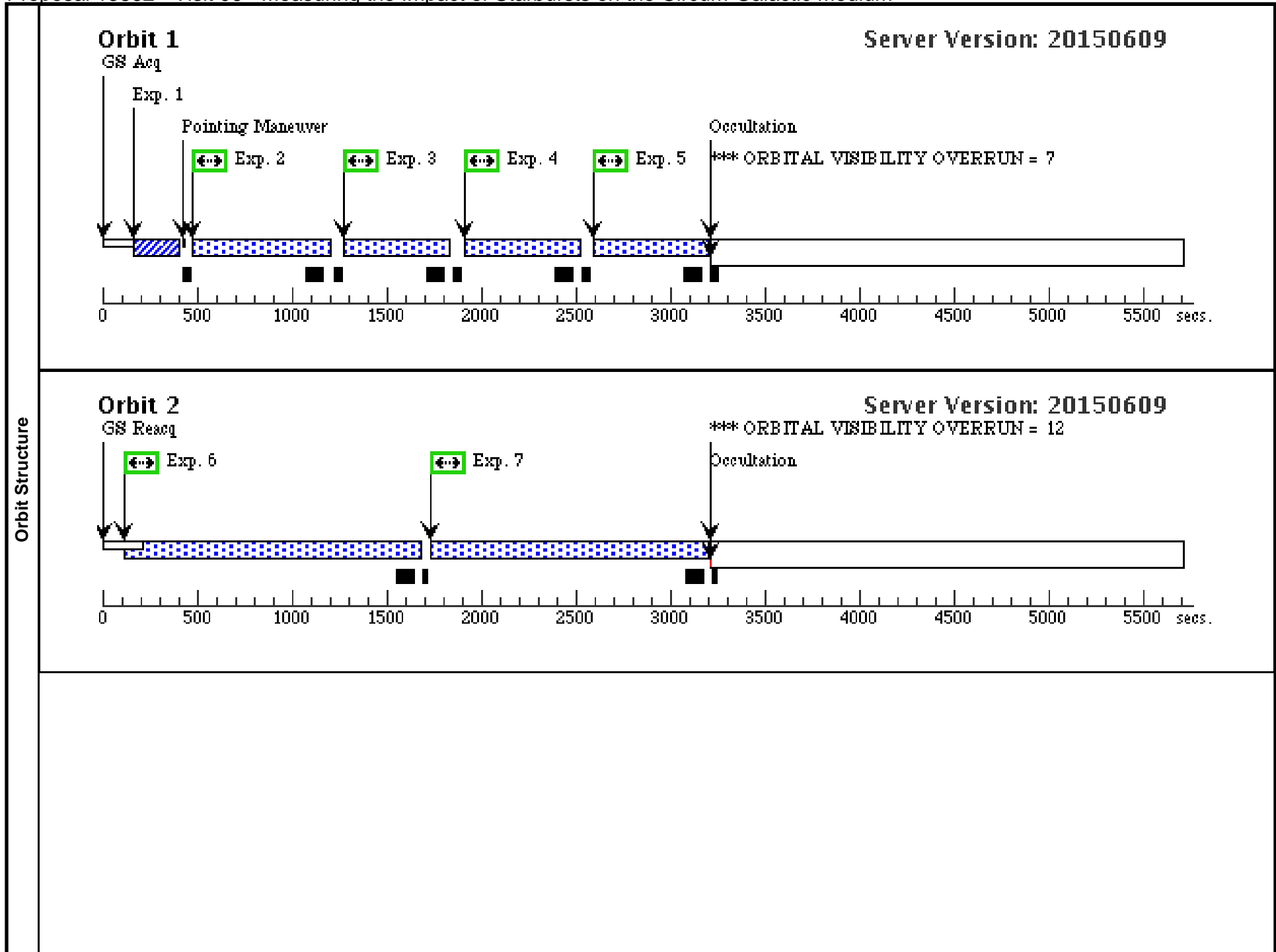
Proposal 13862 - Visit 06 - Measuring the Impact of Starbursts on the Circum-Galactic Medium

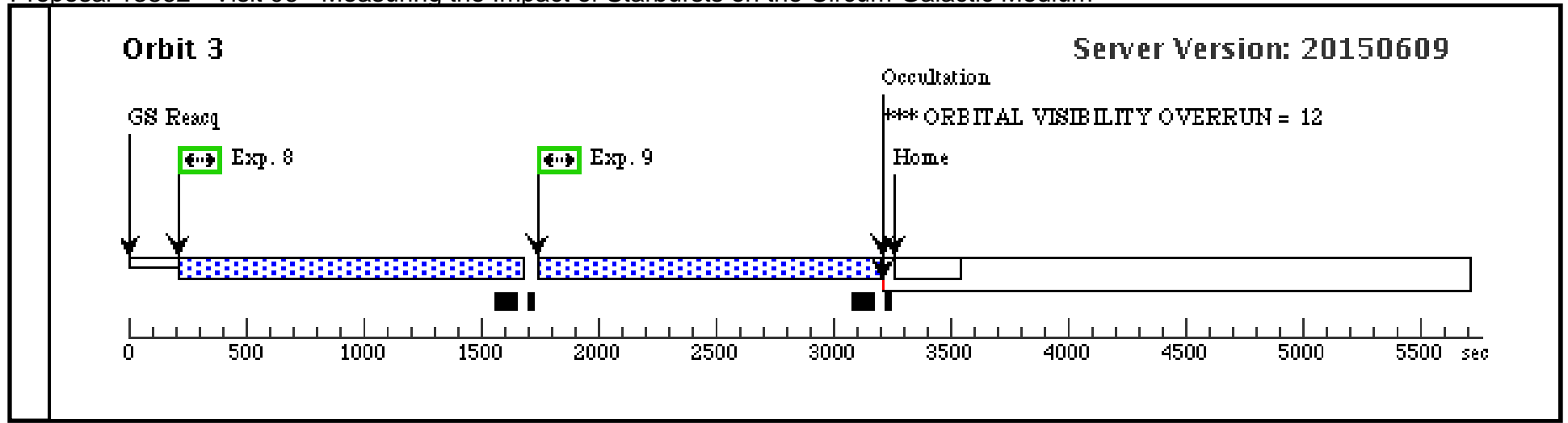
Fri Aug 14 01:21:37 GMT 2015

Visit	<p>Proposal 13862, Visit 06, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: COS/NUV, COS/FUV</p> <p>Special Requirements: (none)</p>						
	Diagnostics	<p>(Visit 06) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p> <p>(Visit 06) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p> <p>(Visit 06) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p> <p>(Exposure 2 (Visit 06)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.</p> <p>(Exposure 3 (Visit 06)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.</p> <p>(Exposure 4 (Visit 06)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.</p> <p>(Exposure 5 (Visit 06)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.</p> <p>(Exposure 6 (Visit 06)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.</p> <p>(Exposure 7 (Visit 06)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.</p> <p>(Exposure 8 (Visit 06)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.</p> <p>(Exposure 9 (Visit 06)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.</p>					
Fixed Targets		#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
		(6)	J120013.03+001757.2	RA: 12 00 13.0354 (180.0543142d) Dec: +00 17 57.21 (.29922d) Equinox: J2000		V=17.9 GALEX FUV=18.9, GALEX NUV=18.2	Reference Frame: ICRS

Proposal 13862 - Visit 06 - Measuring the Impact of Starbursts on the Circum-Galactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Target Acq (620950)	(6)J120013.03+001 757.2	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				8 Secs (8 Secs)	
									[==>]	[1]
	2	(621061)	(6)J120013.03+001 757.2	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=1; BUFFER-TIME=45 2; EXTENDED=NO			562 Secs (562 Secs)	
									[==>]	[1]
	3	(621061)	(6)J120013.03+001 757.2	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=2; BUFFER-TIME=40 0; EXTENDED=NO			510 Secs (510 Secs)	
									[==>]	[1]
	4	(621061)	(6)J120013.03+001 757.2	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=3; BUFFER-TIME=45 1; EXTENDED=NO			561 Secs (561 Secs)	
									[==>]	[1]
	5	(621061)	(6)J120013.03+001 757.2	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=4; BUFFER-TIME=44 4; EXTENDED=NO			554 Secs (554 Secs)	
								[==>]	[1]	
6	(621063)	(6)J120013.03+001 757.2	COS/FUV, TIME-TAG, PSA	G160M 1611 A	FP-POS=1; BUFFER-TIME=13 00; EXTENDED=NO			1410 Secs (1410 Secs)		
								[==>]	[2]	
7	(621063)	(6)J120013.03+001 757.2	COS/FUV, TIME-TAG, PSA	G160M 1611 A	FP-POS=2; BUFFER-TIME=13 09; EXTENDED=NO			1419 Secs (1419 Secs)		
								[==>]	[2]	
8	(621063)	(6)J120013.03+001 757.2	COS/FUV, TIME-TAG, PSA	G160M 1611 A	FP-POS=3; BUFFER-TIME=13 09; EXTENDED=NO			1419 Secs (1419 Secs)		
								[==>]	[3]	
9	(621063)	(6)J120013.03+001 757.2	COS/FUV, TIME-TAG, PSA	G160M 1611 A	FP-POS=4; BUFFER-TIME=13 02; EXTENDED=NO			1412 Secs (1412 Secs)		
								[==>]	[3]	





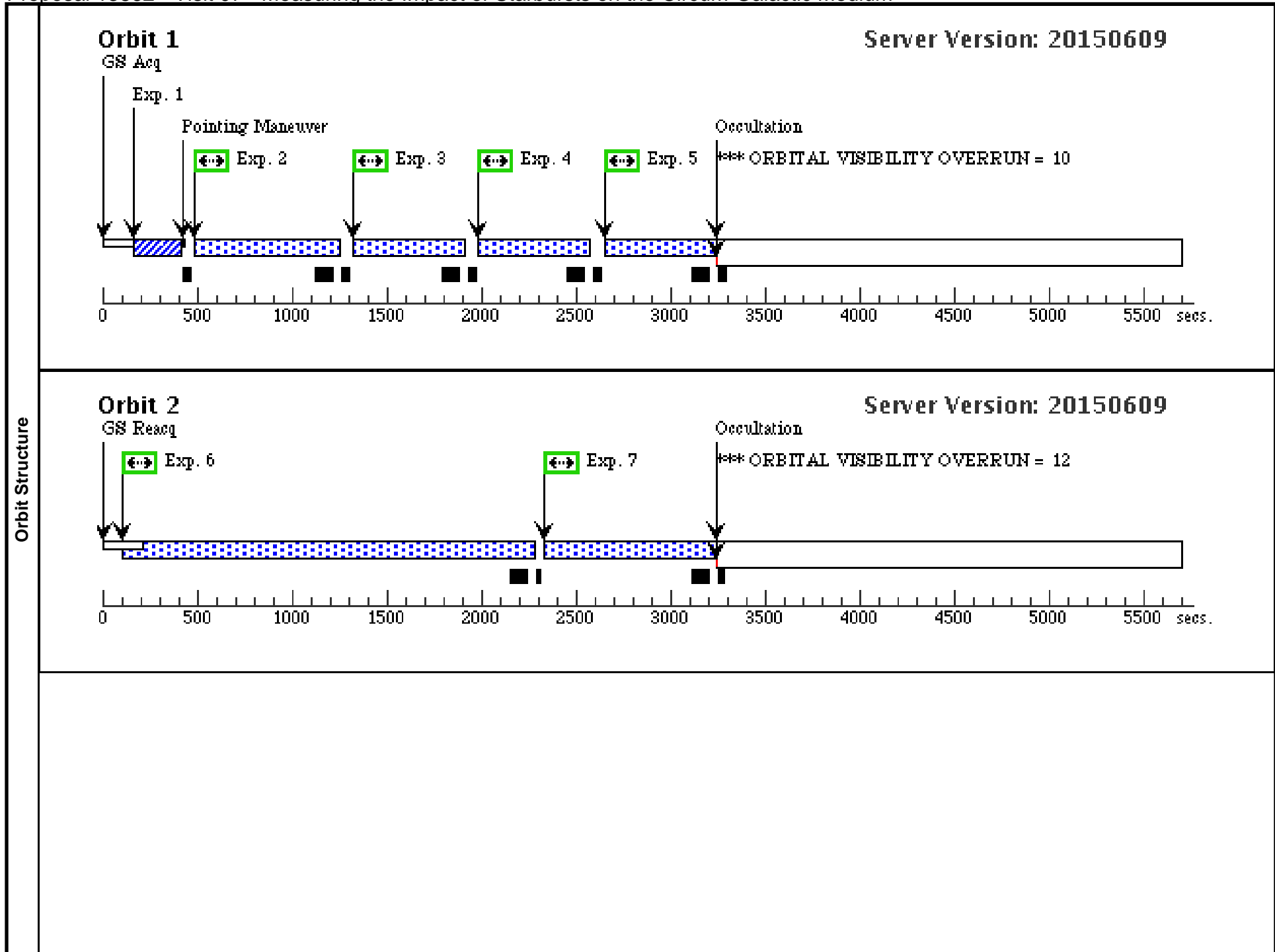
Proposal 13862 - Visit 07 - Measuring the Impact of Starbursts on the Circum-Galactic Medium

Fri Aug 14 01:21:37 GMT 2015

Visit	Proposal 13862, Visit 07, completed Diagnostic Status: Warning Scientific Instruments: COS/NUV, COS/FUV Special Requirements: (none)					
	Diagnostics	(Visit 07) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN				
(Visit 07) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN						
(Visit 07) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN						
(Visit 07) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN						
(Exposure 2 (Visit 07)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.						
(Exposure 3 (Visit 07)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.						
(Exposure 4 (Visit 07)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.						
(Exposure 5 (Visit 07)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.						
(Exposure 6 (Visit 07)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.						
(Exposure 7 (Visit 07)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.						
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(Exposure 9 (Visit 07)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.						
(Exposure 10 (Visit 07)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.						
(Exposure 11 (Visit 07)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(7)	J133356.38+313355.3	RA: 13 33 56.3853 (203.4849388d) Dec: +31 33 55.37 (31.56538d) Equinox: J2000		V=18.3 GALEX FUV=18.9, GALEX NUV=18.7	Reference Frame: ICRS

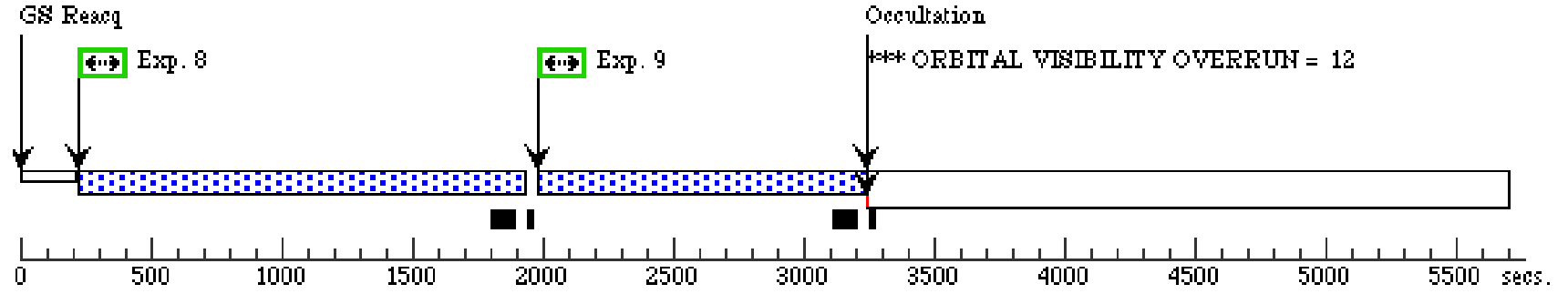
Proposal 13862 - Visit 07 - Measuring the Impact of Starbursts on the Circum-Galactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	Target Acq (620960)	(7) J133356.38+313 355.3	COS/NUV, ACQ/IMAGE, PSA	MIRRORA					12 Secs (12 Secs) [==>]	[1]
	2	(621057)	(7) J133356.38+313 355.3	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=1; BUFFER-TIME=47 2; EXTENDED=NO			582 Secs (582 Secs) [==>]	[1]	
	3	(621057)	(7) J133356.38+313 355.3	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=2; BUFFER-TIME=43 0; EXTENDED=NO			540 Secs (540 Secs) [==>]	[1]	
	4	(621057)	(7) J133356.38+313 355.3	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=3; BUFFER-TIME=43 0; EXTENDED=NO			540 Secs (540 Secs) [==>]	[1]	
	5	(621057)	(7) J133356.38+313 355.3	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=4; BUFFER-TIME=42 6; EXTENDED=NO			536 Secs (536 Secs) [==>]	[1]	
	6	(621055)	(7) J133356.38+313 355.3	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=1; BUFFER-TIME=19 00; EXTENDED=NO			2010 Secs (2010 Secs) [==>]	[2]	
	7	(621055)	(7) J133356.38+313 355.3	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=2; BUFFER-TIME=74 4; EXTENDED=NO			854 Secs (854 Secs) [==>]	[2]	
	8	(621055)	(7) J133356.38+313 355.3	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=2; BUFFER-TIME=15 46; EXTENDED=NO			1656 Secs (1656 Secs) [==>]	[3]	
	9	(621055)	(7) J133356.38+313 355.3	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=3; BUFFER-TIME=11 00; EXTENDED=NO			1210 Secs (1210 Secs) [==>]	[3]	
	10	(621055)	(7) J133356.38+313 355.3	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=3; BUFFER-TIME=63 6; EXTENDED=NO			746 Secs (746 Secs) [==>]	[4]	
11	(621055)	(7) J133356.38+313 355.3	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=4; BUFFER-TIME=20 00; EXTENDED=NO			2110 Secs (2110 Secs) [==>]	[4]		



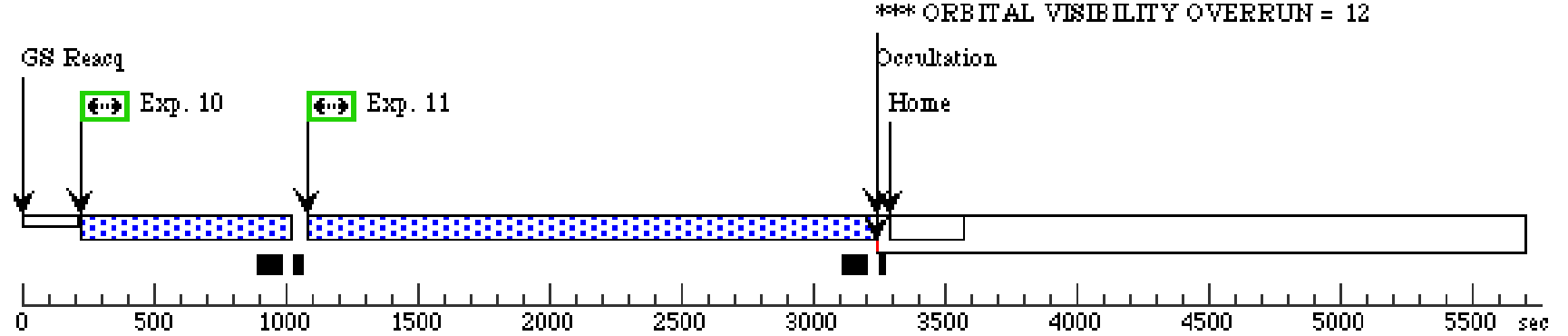
Orbit 3

Server Version: 20150609



Orbit 4

Server Version: 20150609



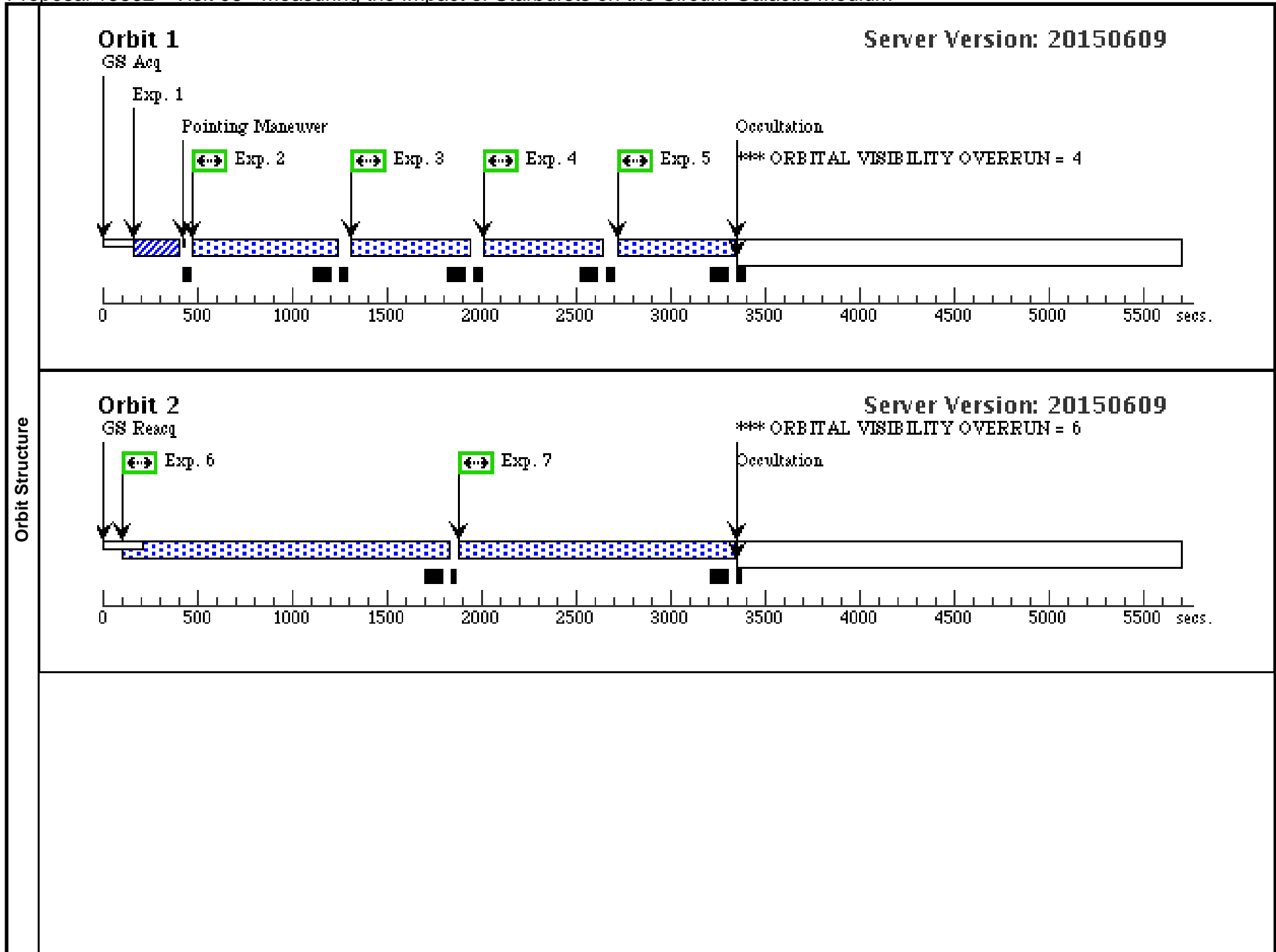
Proposal 13862 - Visit 08 - Measuring the Impact of Starbursts on the Circum-Galactic Medium

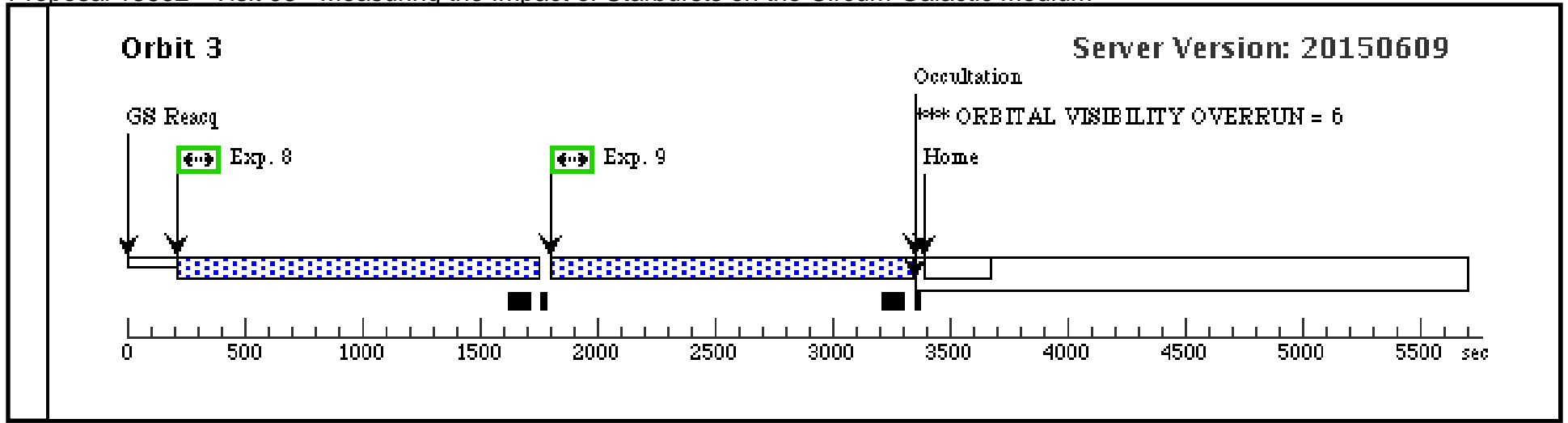
Fri Aug 14 01:21:37 GMT 2015

Visit	<p>Proposal 13862, Visit 08, scheduling</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: COS/NUV, COS/FUV</p> <p>Special Requirements: (none)</p>					
Diagnostics	<p>(Visit 08) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p> <p>(Visit 08) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p> <p>(Visit 08) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p> <p>(Exposure 2 (Visit 08)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.</p> <p>(Exposure 3 (Visit 08)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.</p> <p>(Exposure 4 (Visit 08)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.</p> <p>(Exposure 5 (Visit 08)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.</p> <p>(Exposure 6 (Visit 08)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.</p> <p>(Exposure 7 (Visit 08)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.</p> <p>(Exposure 8 (Visit 08)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.</p> <p>(Exposure 9 (Visit 08)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.</p>					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(8)	J142127.85+473011.7	RA: 14 21 27.8588 (215.3660783d) Dec: +47 30 11.70 (47.50325d) Equinox: J2000		V=17.6 GALEX FUV=18.8, GALEX NUV=18.2	Reference Frame: ICRS

Proposal 13862 - Visit 08 - Measuring the Impact of Starbursts on the Circum-Galactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	Target Acq (620950)	(8) J142127.85+473 011.7	COS/NUV, ACQ/IMAGE, PSA	MIRRORA					8 Secs (8 Secs) [==>]	[1]
	2	(621050)	(8) J142127.85+473 011.7	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=1; BUFFER-TIME=47 0; EXTENDED=NO			580 Secs (580 Secs) [==>]	[1]	
	3	(621050)	(8) J142127.85+473 011.7	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=2; BUFFER-TIME=47 0; EXTENDED=NO			580 Secs (580 Secs) [==>]	[1]	
	4	(621050)	(8) J142127.85+473 011.7	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=3; BUFFER-TIME=47 0; EXTENDED=NO			580 Secs (580 Secs) [==>]	[1]	
	5	(621050)	(8) J142127.85+473 011.7	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=4; BUFFER-TIME=45 7; EXTENDED=NO			567 Secs (567 Secs) [==>]	[1]	
	6	(621052)	(8) J142127.85+473 011.7	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=1; BUFFER-TIME=14 45; EXTENDED=NO			1555 Secs (1555 Secs) [==>]	[2]	
	7	(621052)	(8) J142127.85+473 011.7	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=2; BUFFER-TIME=13 00; EXTENDED=NO			1410 Secs (1410 Secs) [==>]	[2]	
	8	(621052)	(8) J142127.85+473 011.7	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=3; BUFFER-TIME=13 73; EXTENDED=NO			1483 Secs (1483 Secs) [==>]	[3]	
	9	(621052)	(8) J142127.85+473 011.7	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=4; BUFFER-TIME=13 74; EXTENDED=NO			1484 Secs (1484 Secs) [==>]	[3]	

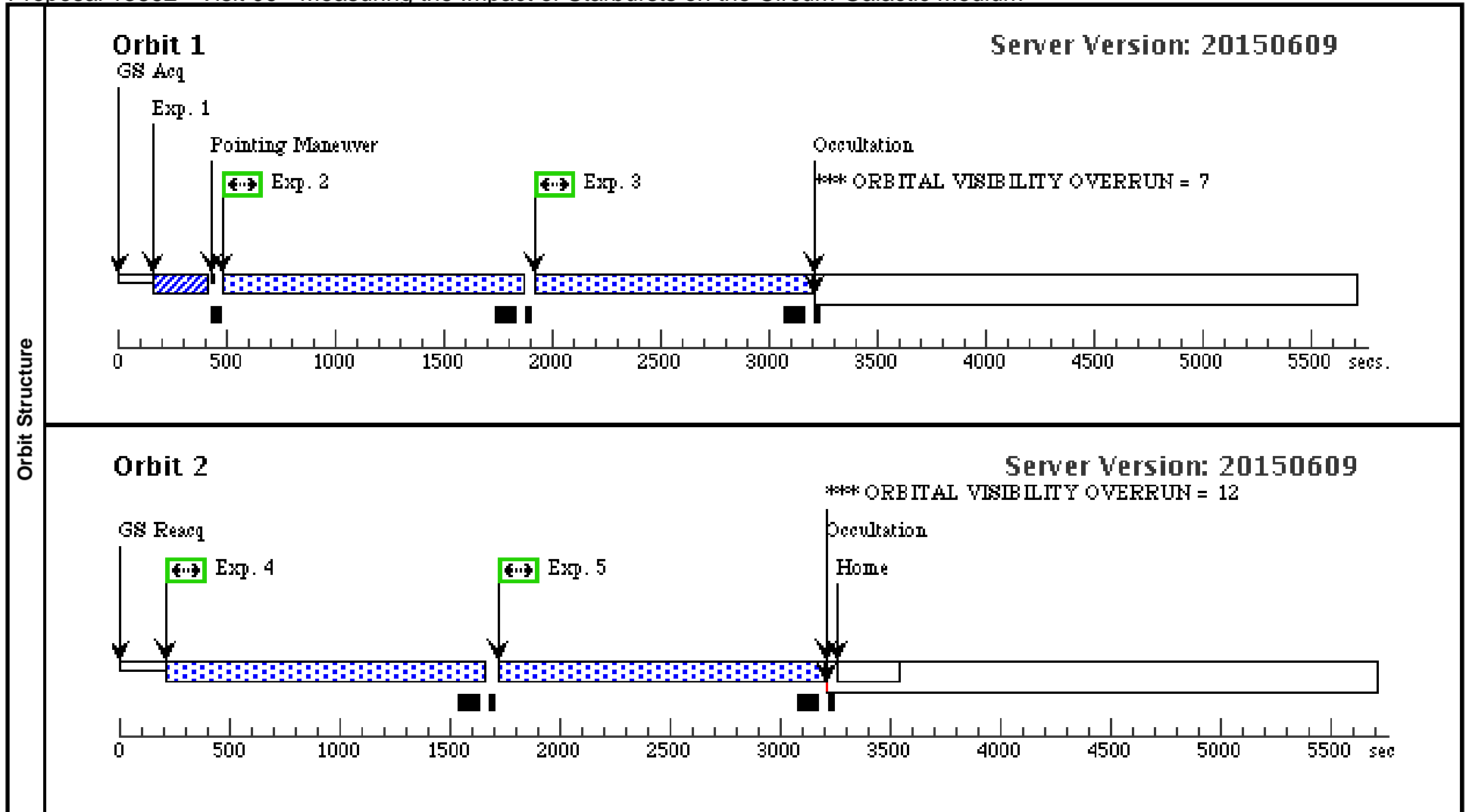




Proposal 13862 - Visit 09 - Measuring the Impact of Starbursts on the Circum-Galactic Medium

Fri Aug 14 01:21:38 GMT 2015

Visit	Proposal 13862, Visit 09, completed Diagnostic Status: Warning Scientific Instruments: COS/NUV, COS/FUV Special Requirements: (none)										
	Diagnostics	(Visit 09) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 09) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Exposure 2 (Visit 09)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target. (Exposure 3 (Visit 09)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target. (Exposure 4 (Visit 09)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target. (Exposure 5 (Visit 09)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.									
Fixed Targets		#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
		(9)	J143145.98+030143.8	RA: 14 31 45.9893 (217.9416221d) Dec: +03 01 43.88 (3.02886d) Equinox: J2000		V=19.0 GALEX FUV=18.9, GALEX NUV=18.8	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	Target Acq (620961)	(9) J143145.98+030143.8	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				13 Secs (13 Secs) [==>]	[1]
	2	(621037)	(9) J143145.98+030143.8	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=1; BUFFER-TIME=11 10; EXTENDED=NO			1220 Secs (1220 Secs) [==>]	[1]	
	3	(621037)	(9) J143145.98+030143.8	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=2; BUFFER-TIME=11 14; EXTENDED=NO			1224 Secs (1224 Secs) [==>]	[1]	
	4	(621037)	(9) J143145.98+030143.8	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=3; BUFFER-TIME=12 90; EXTENDED=NO			1400 Secs (1400 Secs) [==>]	[2]	
	5	(621037)	(9) J143145.98+030143.8	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=4; BUFFER-TIME=13 21; EXTENDED=NO			1431 Secs (1431 Secs) [==>]	[2]	



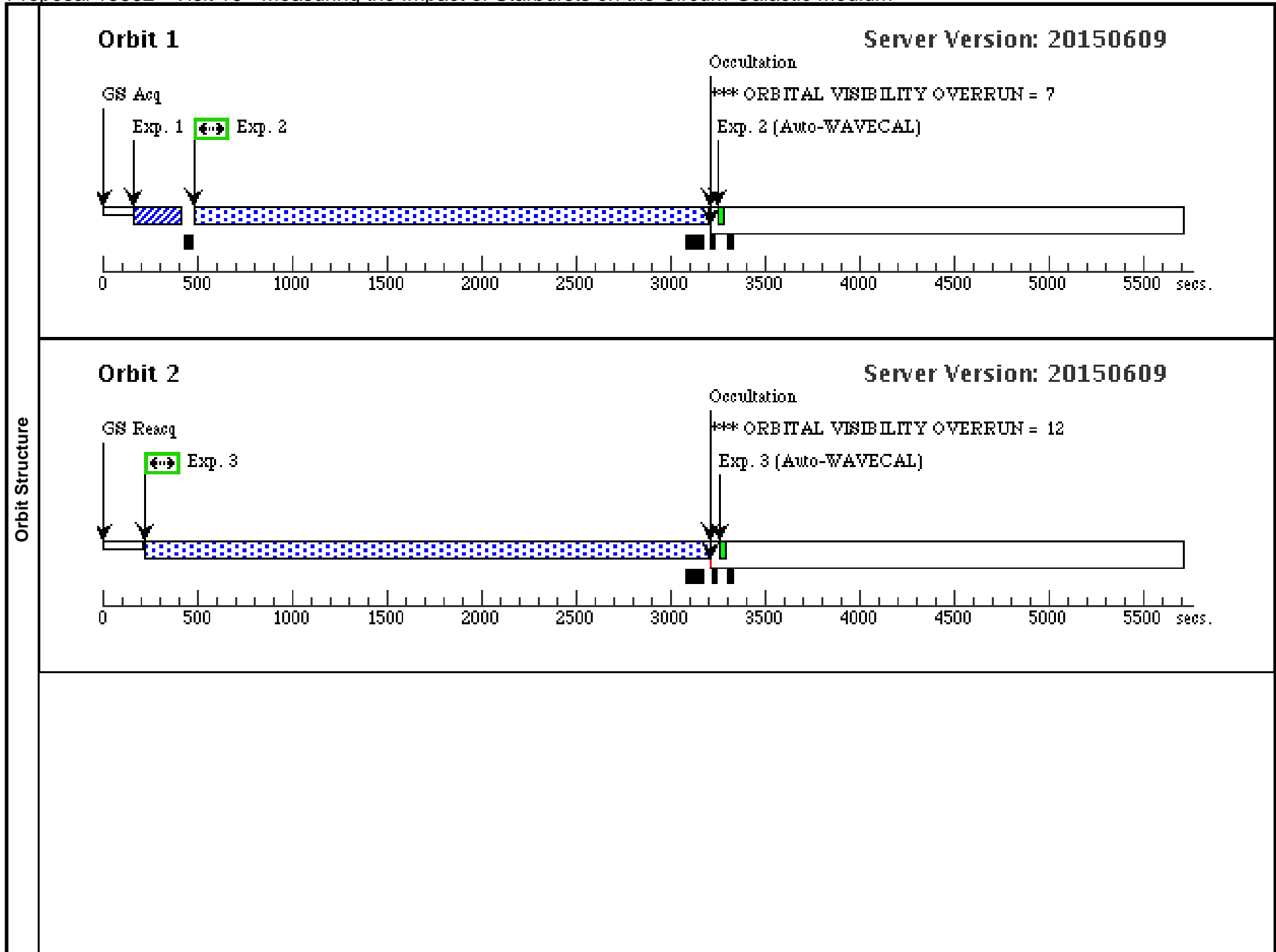
Proposal 13862 - Visit 16 - Measuring the Impact of Starbursts on the Circum-Galactic Medium

Fri Aug 14 01:21:38 GMT 2015

Visit	<p>Proposal 13862, Visit 16, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: COS/NUV</p> <p>Special Requirements: (none)</p>					
Diagnostics	<p>(Visit 16) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p> <p>(Visit 16) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p> <p>(Visit 16) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p> <p>(Visit 16) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p> <p>(Visit 16) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p> <p>(Exposure 2 (Visit 16)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.</p> <p>(Exposure 3 (Visit 16)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.</p> <p>(Exposure 4 (Visit 16)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.</p> <p>(Exposure 5 (Visit 16)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.</p> <p>(Exposure 6 (Visit 16)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.</p>					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(9)	J143145.98+030143.8	RA: 14 31 45.9893 (217.9416221d) Dec: +03 01 43.88 (3.02886d) Equinox: J2000		V=19.0 GALEX FUV=18.9, GALEX NUV=18.8	Reference Frame: ICRS

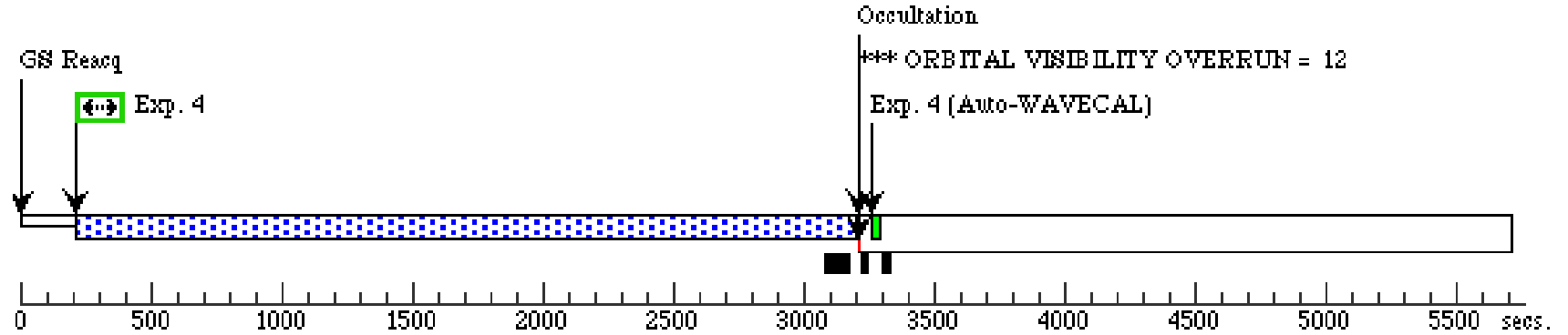
Proposal 13862 - Visit 16 - Measuring the Impact of Starbursts on the Circum-Galactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	Target Acq (620961)	(9) J143145.98+030 143.8	COS/NUV, ACQ/IMAGE, PSA	MIRRORA					13 Secs (13 Secs)	
									[==>]	[1]	
	2	(621042)	(9) J143145.98+030 143.8	COS/NUV, TIME-TAG, PSA	G185M 1882 A	BUFFER-TIME=24 20; EXTENDED=NO; FLASH=NO; FP-POS=1				2530 Secs (2530 Secs)	
									[==>]	[1]	
	3	(621042)	(9) J143145.98+030 143.8	COS/NUV, TIME-TAG, PSA	G185M 1882 A	BUFFER-TIME=28 65; EXTENDED=NO; FLASH=NO; FP-POS=1				2975 Secs (2975 Secs)	
									[==>]	[2]	
4	(621042)	(9) J143145.98+030 143.8	COS/NUV, TIME-TAG, PSA	G185M 1882 A	BUFFER-TIME=28 65; EXTENDED=NO; FLASH=NO; FP-POS=2				2975 Secs (2975 Secs)		
								[==>]	[3]		
5	(621042)	(9) J143145.98+030 143.8	COS/NUV, TIME-TAG, PSA	G185M 1882 A	BUFFER-TIME=28 65; EXTENDED=NO; FLASH=NO; FP-POS=3				2975 Secs (2975 Secs)		
								[==>]	[4]		
6	(621042)	(9) J143145.98+030 143.8	COS/NUV, TIME-TAG, PSA	G185M 1882 A	BUFFER-TIME=28 65; EXTENDED=NO; FLASH=NO; FP-POS=4				2975 Secs (2975 Secs)		
								[==>]	[5]		



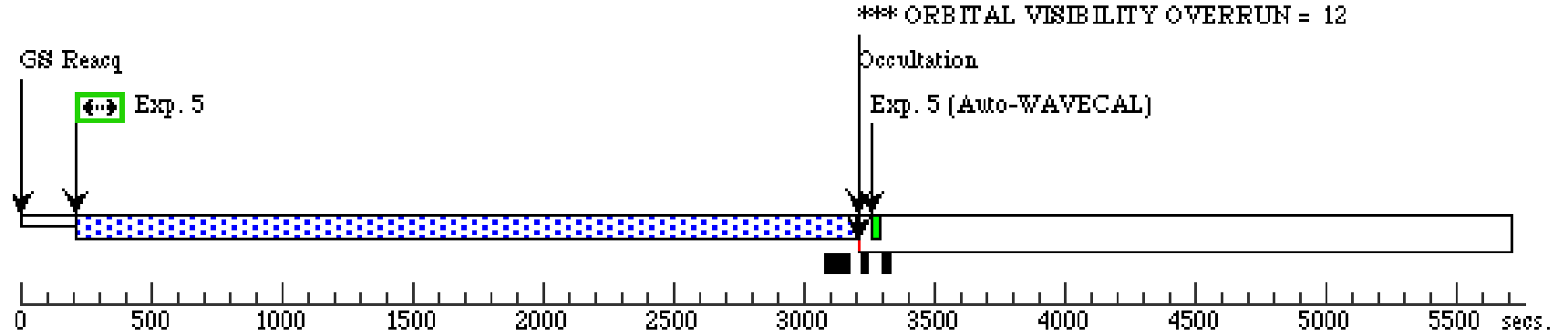
Orbit 3

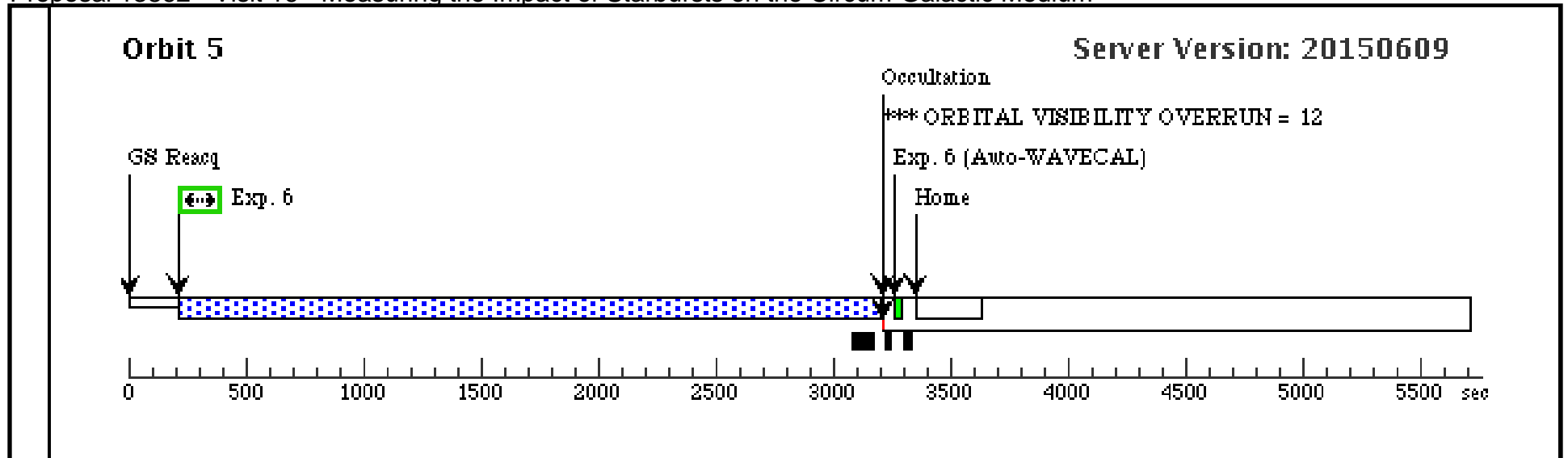
Server Version: 20150609



Orbit 4

Server Version: 20150609





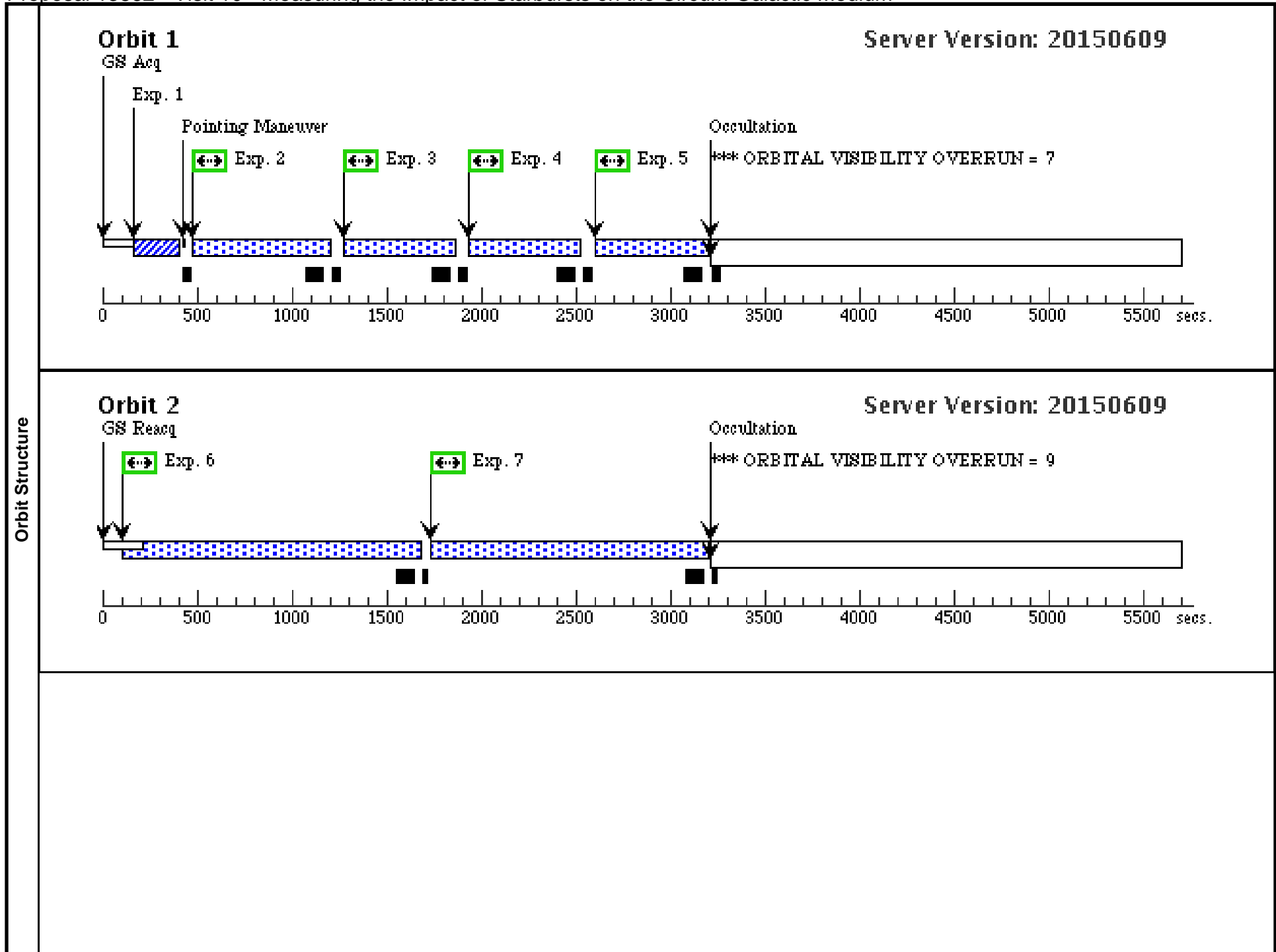
Proposal 13862 - Visit 10 - Measuring the Impact of Starbursts on the Circum-Galactic Medium

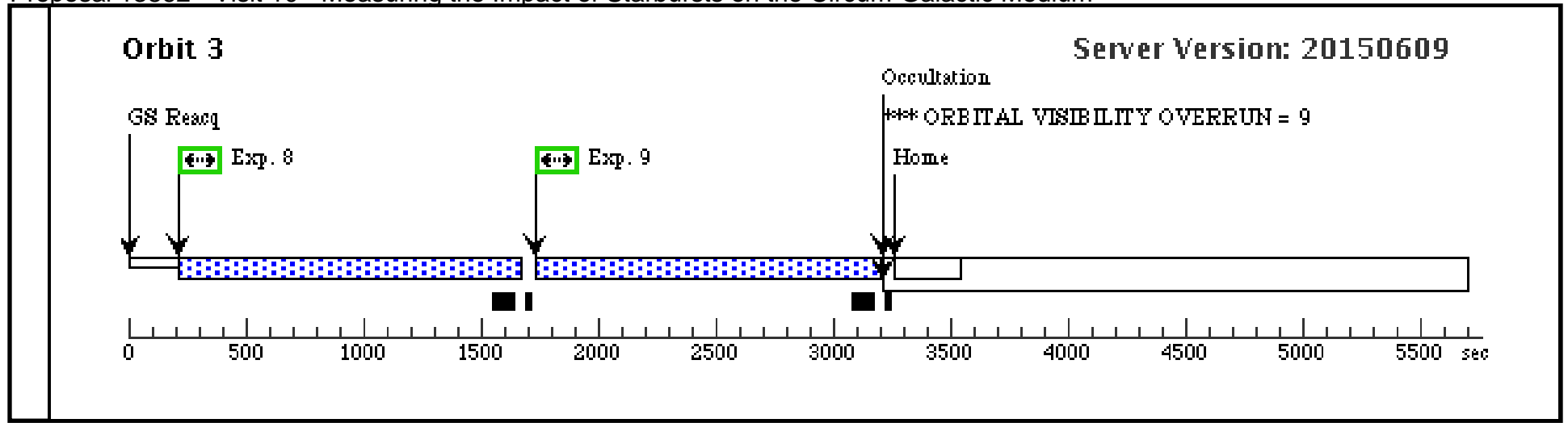
Fri Aug 14 01:21:38 GMT 2015

Visit	Proposal 13862, Visit 10, completed Diagnostic Status: Warning Scientific Instruments: COS/NUV, COS/FUV Special Requirements: (none)					
Diagnostics	(Visit 10) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 10) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 10) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Exposure 2 (Visit 10)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target. (Exposure 3 (Visit 10)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target. (Exposure 4 (Visit 10)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target. (Exposure 5 (Visit 10)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target. (Exposure 6 (Visit 10)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target. (Exposure 7 (Visit 10)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target. (Exposure 8 (Visit 10)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target. (Exposure 9 (Visit 10)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(10)	J155837.78+081345.7	RA: 15 58 37.7815 (239.6574229d) Dec: +08 13 45.79 (8.22939d) Equinox: J2000		V=17.8 GALEX FUV=18.7, GALEX NUV= 18.2	Reference Frame: ICRS

Proposal 13862 - Visit 10 - Measuring the Impact of Starbursts on the Circum-Galactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Target Acq (620952)	(10) J155837.78+08 1345.7	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				8 Secs (8 Secs)	
									[==>]	[1]
	2	(621024)	(10) J155837.78+08 1345.7	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=1; BUFFER-TIME=43 0; EXTENDED=NO			540 Secs (540 Secs)	
									[==>]	[1]
	3	(621024)	(10) J155837.78+08 1345.7	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=2; BUFFER-TIME=43 0; EXTENDED=NO			540 Secs (540 Secs)	
									[==>]	[1]
	4	(621024)	(10) J155837.78+08 1345.7	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=3; BUFFER-TIME=43 0; EXTENDED=NO			540 Secs (540 Secs)	
									[==>]	[1]
	5	(621024)	(10) J155837.78+08 1345.7	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=4; BUFFER-TIME=44 1; EXTENDED=NO			551 Secs (551 Secs)	
								[==>]	[1]	
6	(621029)	(10) J155837.78+08 1345.7	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=1; BUFFER-TIME=13 00; EXTENDED=NO			1410 Secs (1410 Secs)		
								[==>]	[2]	
7	(621029)	(10) J155837.78+08 1345.7	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=2; BUFFER-TIME=13 09; EXTENDED=NO			1419 Secs (1419 Secs)		
								[==>]	[2]	
8	(621029)	(10) J155837.78+08 1345.7	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=3; BUFFER-TIME=13 00; EXTENDED=NO			1410 Secs (1410 Secs)		
								[==>]	[3]	
9	(621029)	(10) J155837.78+08 1345.7	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=4; BUFFER-TIME=13 11; EXTENDED=NO			1421 Secs (1421 Secs)		
								[==>]	[3]	





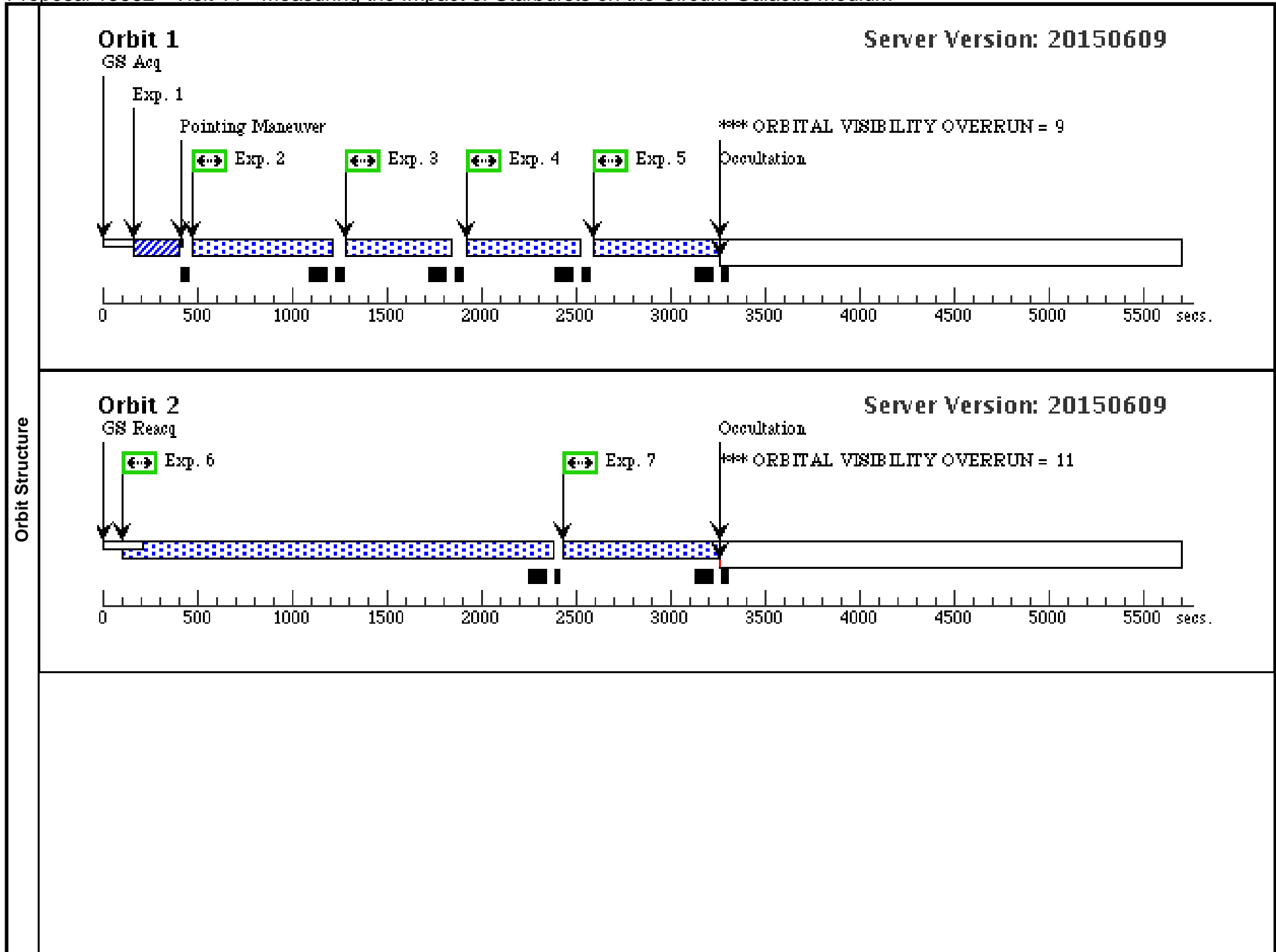
Proposal 13862 - Visit 11 - Measuring the Impact of Starbursts on the Circum-Galactic Medium

Fri Aug 14 01:21:38 GMT 2015

Visit	Proposal 13862, Visit 11, scheduled Diagnostic Status: Warning Scientific Instruments: COS/NUV, COS/FUV Special Requirements: (none)				
	Diagnostics	(Visit 11) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN			
(Visit 11) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
(Visit 11) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
(Visit 11) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
(Exposure 2 (Visit 11)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.					
(Exposure 3 (Visit 11)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.					
(Exposure 4 (Visit 11)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.					
(Exposure 5 (Visit 11)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.					
(Exposure 6 (Visit 11)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.					
(Exposure 7 (Visit 11)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.					
(Exposure 8 (Visit 11)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.					
(Exposure 9 (Visit 11)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.					
(Exposure 10 (Visit 11)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.					
(Exposure 11 (Visit 11)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(11)	J165931.92+373528.8	RA: 16 59 31.9206 (254.8830025d) Dec: +37 35 28.82 (37.59134d) Equinox: J2000		V=17.7 GALEX FUV=19.0, GALEX NUV=18.1
					Miscellaneous Reference Frame: ICRS

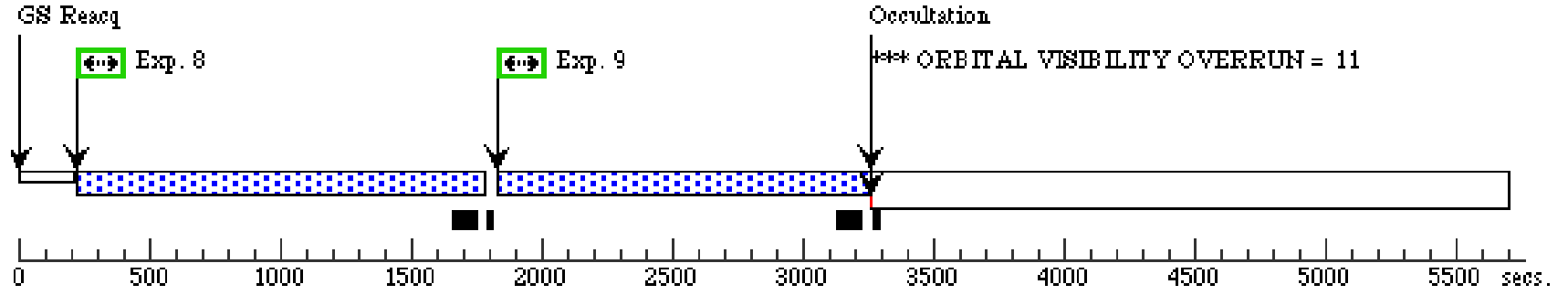
Proposal 13862 - Visit 11 - Measuring the Impact of Starbursts on the Circum-Galactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	Target Acq (620948)	(11) J165931.92+37 3528.8	COS/NUV, ACQ/IMAGE, PSA	MIRRORA					7 Secs (7 Secs) [==>]	[1]
	2	(621020)	(11) J165931.92+37 3528.8	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=1; BUFFER-TIME=44 6; EXTENDED=NO			556 Secs (556 Secs) [==>]	[1]	
	3	(621020)	(11) J165931.92+37 3528.8	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=2; BUFFER-TIME=40 0; EXTENDED=NO			510 Secs (510 Secs) [==>]	[1]	
	4	(621020)	(11) J165931.92+37 3528.8	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=3; BUFFER-TIME=43 8; EXTENDED=NO			548 Secs (548 Secs) [==>]	[1]	
	5	(621020)	(11) J165931.92+37 3528.8	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=4; BUFFER-TIME=50 5; EXTENDED=NO			615 Secs (615 Secs) [==>]	[1]	
	6	(621019)	(11) J165931.92+37 3528.8	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=1; BUFFER-TIME=20 00; EXTENDED=NO			2110 Secs (2110 Secs) [==>]	[2]	
	7	(621019)	(11) J165931.92+37 3528.8	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=2; BUFFER-TIME=66 5; EXTENDED=NO			775 Secs (775 Secs) [==>]	[2]	
	8	(621019)	(11) J165931.92+37 3528.8	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=2; BUFFER-TIME=14 10; EXTENDED=NO			1510 Secs (1510 Secs) [==>]	[3]	
	9	(621019)	(11) J165931.92+37 3528.8	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=3; BUFFER-TIME=12 67; EXTENDED=NO			1377 Secs (1377 Secs) [==>]	[3]	
10	(621019)	(11) J165931.92+37 3528.8	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=3; BUFFER-TIME=65 7; EXTENDED=NO			767 Secs (767 Secs) [==>]	[4]		
11	(621019)	(11) J165931.92+37 3528.8	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=4; BUFFER-TIME=20 00; EXTENDED=NO			2110 Secs (2110 Secs) [==>]	[4]		



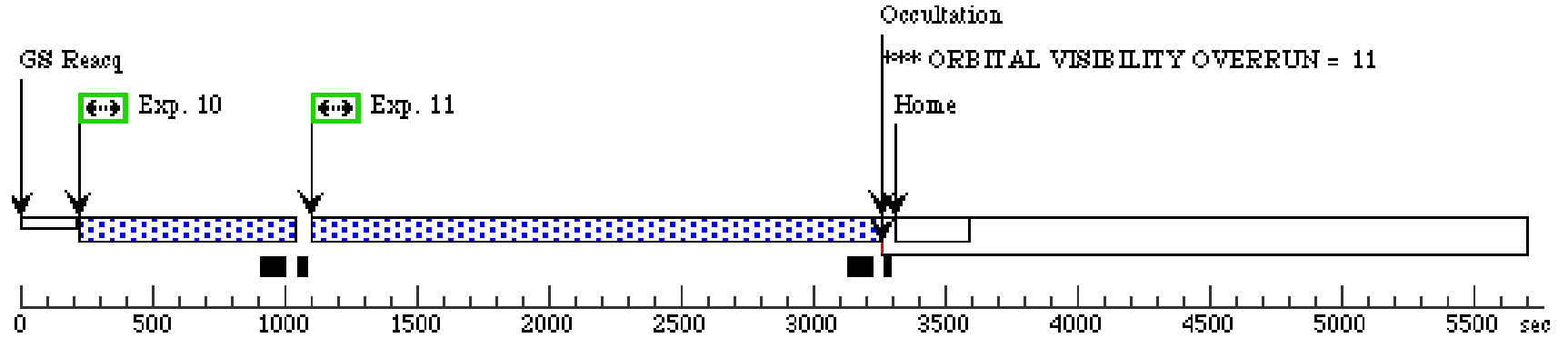
Orbit 3

Server Version: 20150609



Orbit 4

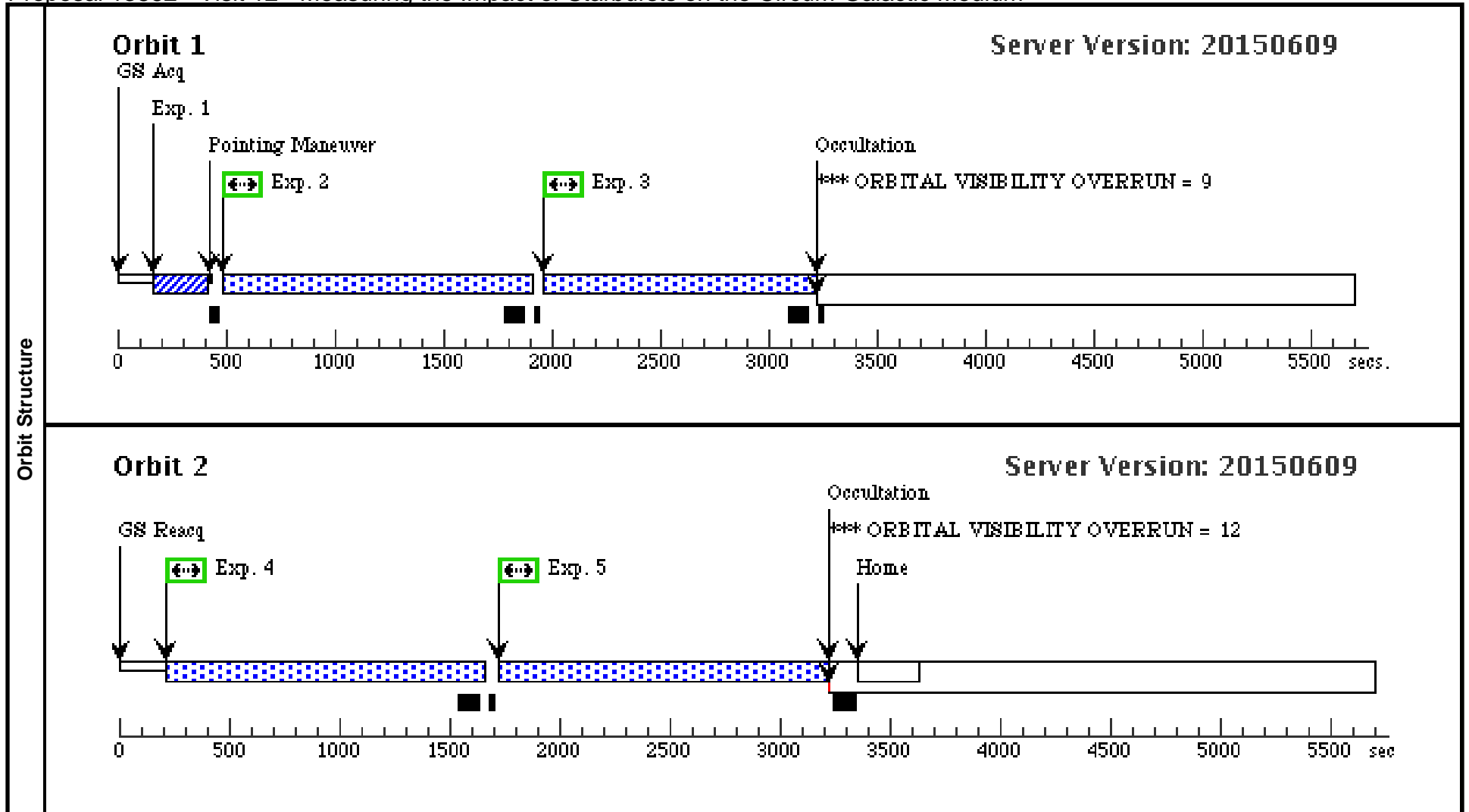
Server Version: 20150609



Proposal 13862 - Visit 12 - Measuring the Impact of Starbursts on the Circum-Galactic Medium

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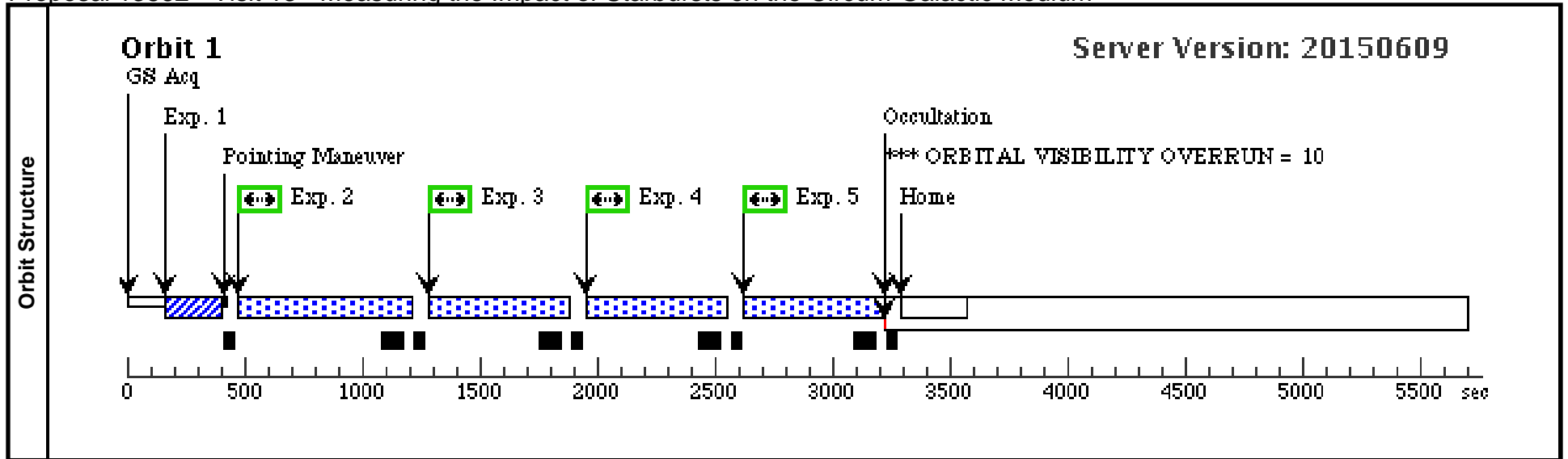
Visit	Proposal 13862, Visit 12, completed Diagnostic Status: Warning Scientific Instruments: COS/NUV, COS/FUV Special Requirements: (none)										
	Diagnostics	(Visit 12) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 12) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Exposure 2 (Visit 12)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target. (Exposure 3 (Visit 12)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target. (Exposure 4 (Visit 12)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target. (Exposure 5 (Visit 12)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.									
Fixed Targets		#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
		(12)	J132059.41+295728.1	RA: 13 20 59.4171 (200.2475712d) Dec: +29 57 28.15 (29.95782d) Equinox: J2000		V=17.25 GALEX FUV=18.4, GALEX NUV=18.5	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	Target Acq (620956)	(12) J132059.41+29 5728.1	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				10 Secs (10 Secs) [==>]	[1]
	2	(621018)	(12) J132059.41+29 5728.1	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=1; BUFFER-TIME=11 02; EXTENDED=NO			1212 Secs (1212 Secs) [==>]	[1]	
	3	(621018)	(12) J132059.41+29 5728.1	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=2; BUFFER-TIME=11 01; EXTENDED=NO			1211 Secs (1211 Secs) [==>]	[1]	
	4	(621018)	(12) J132059.41+29 5728.1	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=3; BUFFER-TIME=12 90; EXTENDED=NO			1400 Secs (1400 Secs) [==>]	[2]	
	5	(621018)	(12) J132059.41+29 5728.1	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=4; BUFFER-TIME=15 40; EXTENDED=NO			1450 Secs (1450 Secs) [==>]	[2]	



Proposal 13862 - Visit 13 - Measuring the Impact of Starbursts on the Circum-Galactic Medium

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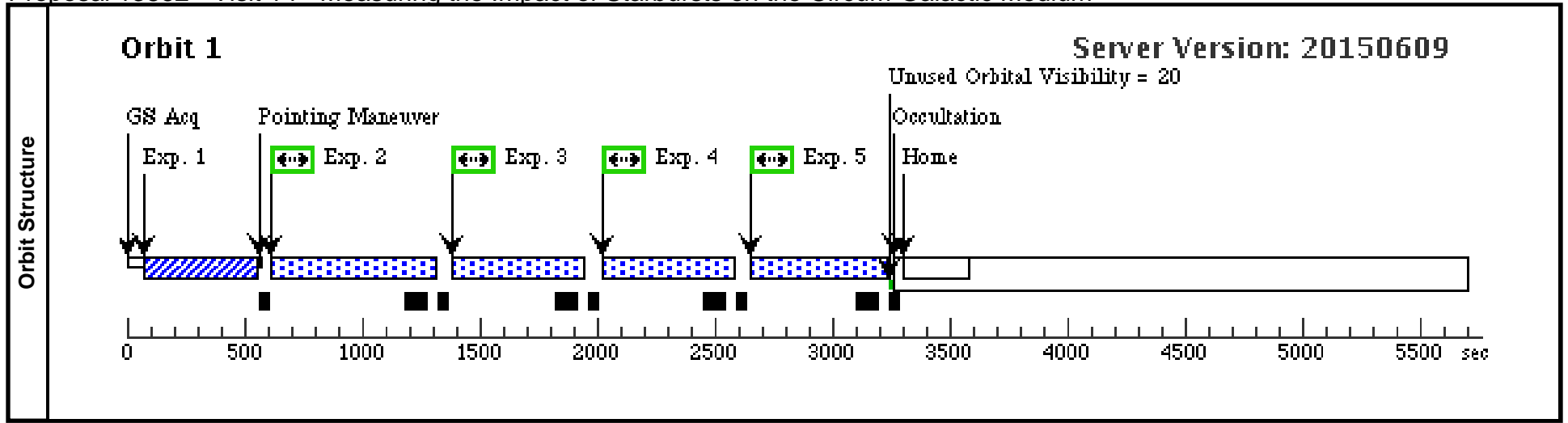
Visit	Proposal 13862, Visit 13, completed Diagnostic Status: Warning Scientific Instruments: COS/NUV, COS/FUV Special Requirements: (none)									
	Diagnosics (Visit 13) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Exposure 2 (Visit 13)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target. (Exposure 3 (Visit 13)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target. (Exposure 4 (Visit 13)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target. (Exposure 5 (Visit 13)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(13)	J084349.75+261910.7	RA: 08 43 49.7510 (130.9572958d) Dec: +26 19 10.79 (26.31966d) Equinox: J2000		V=17.9 GALEX FUV= 18.3, GALEX NUV= 17.9	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	Target Acq (620944)	(13) J084349.75+26 1910.7	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				6 Secs (6 Secs) [==>]	[1]
	2	(621017)	(13) J084349.75+26 1910.7	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=1; BUFFER-TIME=44 0; EXTENDED=NO			550 Secs (550 Secs) [==>]	[1]
	3	(621017)	(13) J084349.75+26 1910.7	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=2; BUFFER-TIME=44 0; EXTENDED=NO			550 Secs (550 Secs) [==>]	[1]
	4	(621017)	(13) J084349.75+26 1910.7	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=3; BUFFER-TIME=44 0; EXTENDED=NO			550 Secs (550 Secs) [==>]	[1]
	5	(621017)	(13) J084349.75+26 1910.7	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=4; BUFFER-TIME=43 4; EXTENDED=NO			544 Secs (544 Secs) [==>]	[1]



Proposal 13862 - Visit 14 - Measuring the Impact of Starbursts on the Circum-Galactic Medium

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Visit	Proposal 13862, Visit 14, completed Diagnostic Status: Warning Scientific Instruments: COS/NUV, COS/FUV Special Requirements: (none)									
Diagnostics	(Exposure 2 (Visit 14)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target. (Exposure 3 (Visit 14)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target. (Exposure 4 (Visit 14)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target. (Exposure 5 (Visit 14)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
(14)	J102847.00+391800.4	RA: 10 28 47.0094 (157.1958725d) Dec: +39 18 0.50 (39.30014d) Equinox: J2000		V=17.5 GALEX FUV=17.8, GALEX NUV=17.5	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	Target Acq (620962)	(14) J102847.00+39 1800.4	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				79 Secs (79 Secs) [==>]	[1]
	2	(621009)	(14) J102847.00+39 1800.4	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=1; BUFFER-TIME=40 0; EXTENDED=NO			510 Secs (510 Secs) [==>]	[1]
	3	(621009)	(14) J102847.00+39 1800.4	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=2; BUFFER-TIME=40 0; EXTENDED=NO			510 Secs (510 Secs) [==>]	[1]
	4	(621009)	(14) J102847.00+39 1800.4	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=3; BUFFER-TIME=40 0; EXTENDED=NO			510 Secs (510 Secs) [==>]	[1]
	5	(621009)	(14) J102847.00+39 1800.4	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=4; BUFFER-TIME=41 6; EXTENDED=NO			526 Secs (526 Secs) [==>]	[1]



Proposal 13862 - Visit 15 - Measuring the Impact of Starbursts on the Circum-Galactic Medium

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Visit	Proposal 13862, Visit 15, completed Diagnostic Status: Warning Scientific Instruments: COS/NUV, COS/FUV Special Requirements: (none)									
Diagnostics	(Visit 15) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Exposure 2 (Visit 15)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target. (Exposure 3 (Visit 15)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target. (Exposure 4 (Visit 15)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target. (Exposure 5 (Visit 15)) Warning (Form): The EXTENDED optional parameter is deprecated and ignored. Please set EXTENDED on the target.									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
(15)	J140505.77+470441.1	RA: 14 05 5.7775 (211.2740729d) Dec: +47 04 41.16 (47.07810d) Equinox: J2000		V=17.96 GALEX FUV=18.7, GALEX FUV=17.9	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	Target Acq (620944)	(15) J140505.77+47 0441.1	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				6 Secs (6 Secs) [==>]	[1]
	2	(621002)	(15) J140505.77+47 0441.1	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=1; BUFFER-TIME=47 0; EXTENDED=NO			580 Secs (580 Secs) [==>]	[1]
	3	(621002)	(15) J140505.77+47 0441.1	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=2; BUFFER-TIME=47 0; EXTENDED=NO			580 Secs (580 Secs) [==>]	[1]
	4	(621002)	(15) J140505.77+47 0441.1	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=3; BUFFER-TIME=47 0; EXTENDED=NO			580 Secs (580 Secs) [==>]	[1]
	5	(621002)	(15) J140505.77+47 0441.1	COS/FUV, TIME-TAG, PSA	G130M 1222 A	FP-POS=4; BUFFER-TIME=46 1; EXTENDED=NO			571 Secs (571 Secs) [==>]	[1]

