



## 14171 - Characterizing the Circumgalactic Medium of Luminous Red Galaxies

Cycle: 23, Proposal Category: GO

(UV Initiative)

(Availability Mode: SUPPORTED)

### INVESTIGATORS

<i>Name</i>	<i>Institution</i>	<i>E-Mail</i>
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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	(5) GALEX-J110636.8-011454	COS/FUV COS/NUV	2	29-Jul-2016 13:09:16.0	yes
02	(8) GALEX-J112150.8+434455	COS/FUV COS/NUV	2	29-Jul-2016 13:09:17.0	yes
03	(10) GALEX-J130608.3+342043	COS/FUV COS/NUV	1	29-Jul-2016 13:09:18.0	yes
04	(2) GALEX-J114444.6+071443	COS/FUV COS/NUV	4	29-Jul-2016 13:09:19.0	yes
05	(3) GALEX-J135123.0+275327	COS/FUV COS/NUV	4	29-Jul-2016 13:09:20.0	yes
06	(6) GALEX-J144021.9-015626	COS/FUV COS/NUV	2	29-Jul-2016 13:09:21.0	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>
07	(11) GALEX-J121740.8+493118	COS/FUV COS/NUV	1	29-Jul-2016 13:09:22.0	yes
08	(12) GALEX-J110250.3+454231	COS/FUV COS/NUV	1	29-Jul-2016 13:09:23.0	yes
09	(1) GALEX-J105930.9+403956	COS/FUV COS/NUV	4	29-Jul-2016 13:09:24.0	yes
10	(13) GALEX-J125100.3+302543	COS/FUV COS/NUV	1	29-Jul-2016 13:09:24.0	yes
11	(4) GALEX-J152013.9+253437	COS/FUV COS/NUV	4	29-Jul-2016 13:09:25.0	yes
12	(7) GALEX-J123744.6+110658	COS/FUV COS/NUV	2	29-Jul-2016 13:09:26.0	yes
13	(9) GALEX-J154956.9+070045	COS/FUV COS/NUV	2	29-Jul-2016 13:09:27.0	yes
14	(14) GALEX-J022614.4+001530	COS/FUV COS/NUV	1	29-Jul-2016 13:09:28.0	yes
15	(15) GALEX-J085557.1+561535	COS/FUV COS/NUV	1	29-Jul-2016 13:09:28.0	yes
16	(4) GALEX-J152013.9+253437	COS/FUV COS/NUV	1	29-Jul-2016 13:09:29.0	yes

33 Total Orbits Used

## ABSTRACT

We propose to survey the Circumgalactic Medium (CGM) of 15 Luminous Red Galaxies (LRGs) at  $z \sim 0.5$ , drawn from the SDSS-III/Baryon Oscillation Spectroscopic Survey (BOSS). Through the analysis of SDSS quasar spectra lying fortuitously behind LRGs, we have established that these galaxies exhibit significant (even strong) MgII absorption on scales from several tens kpc to more than tens of Mpc (Zhu et al. 2014). The results at  $\sim 100$  kpc, i.e. well within the virial radius of the LRG halos, reveal that these massive, non star-forming galaxies exhibit a cool and enriched CGM that even rivals that for modern,  $L^*$  galaxies. With COS G140L spectroscopy, we will characterize the HI Lyman series and Lyman

limit opacity of the LRG CGM at impact parameters  $r_p=30-400$  kpc (2/3 of the LRG virial radius). These data will constrain the mass of the cool CGM of these massive galaxies and enable the estimate of the gas metallicity (especially for the systems that exhibit positive MgII absorption). Furthermore, these spectra will characterize the incidence of strong highly-ionized absorption lines, such as CIII, SiIII and OVI. Our results will inform on the processes that influence the origin and evolution of halo gas, e.g. the transition from a primarily cool CGM to a hot, X-ray halo as galaxies gain mass and evolve towards the group and cluster environment.

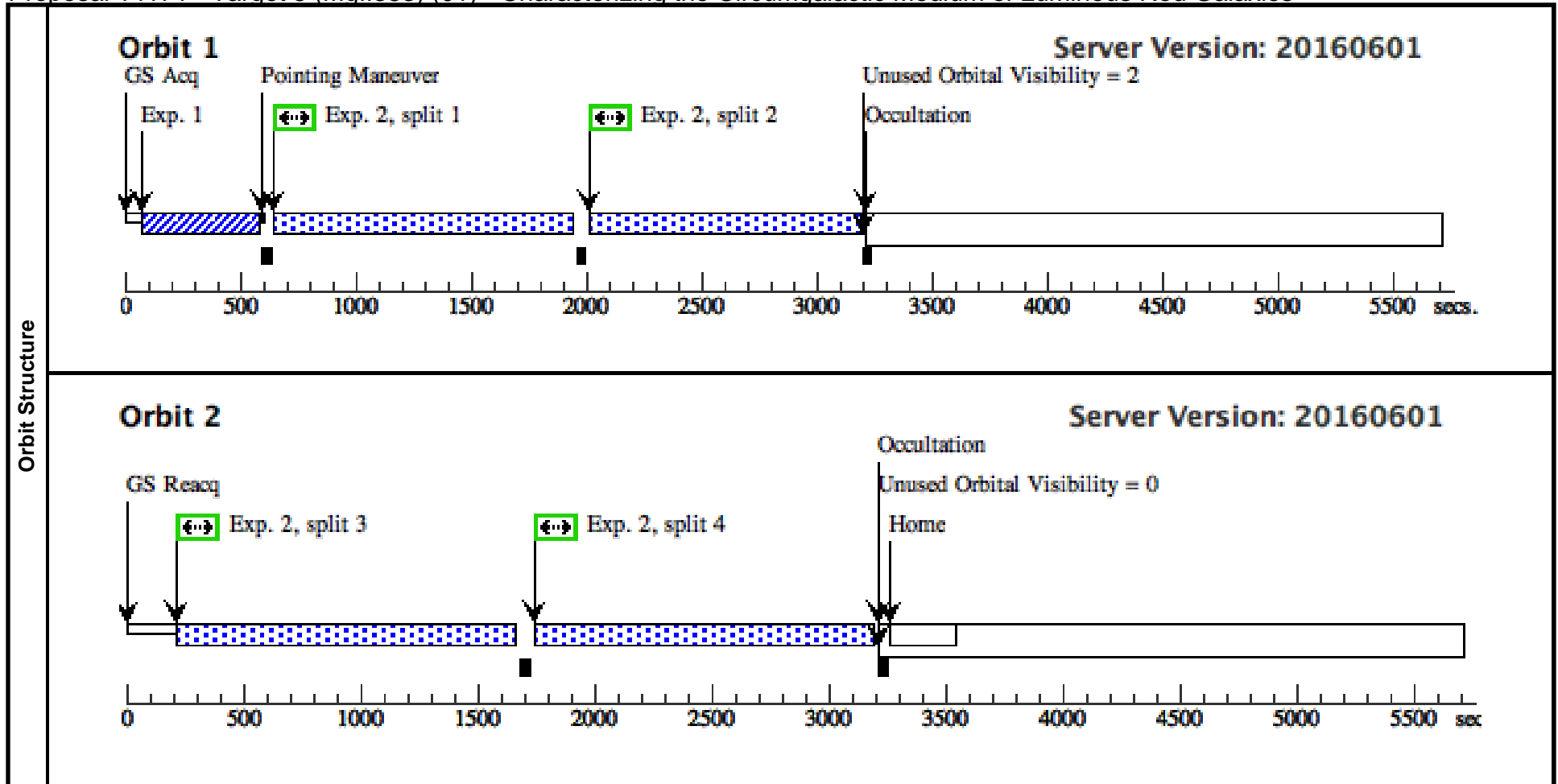
### **OBSERVING DESCRIPTION**

We will survey the Circumgalactic Medium (CGM) of 15 Luminous Red Galaxies (LRGs) at  $z\sim 0.5$  with higher-redshift background quasars, both drawn from the SDSS-III/Baryon Oscillation Spectroscopic Survey (BOSS). We will obtain FUV spectra of the background quasars with COS G140L at 1280 Angstrom. The total number of orbits is 33. All sources will be observed with the Primary Science Aperture at all four FP-POS positions.

Proposal 14171 - Target 5 (MgII383) (01) - Characterizing the Circumgalactic Medium of Luminous Red Galaxies

Fri Jul 29 17:09:30 GMT 2016

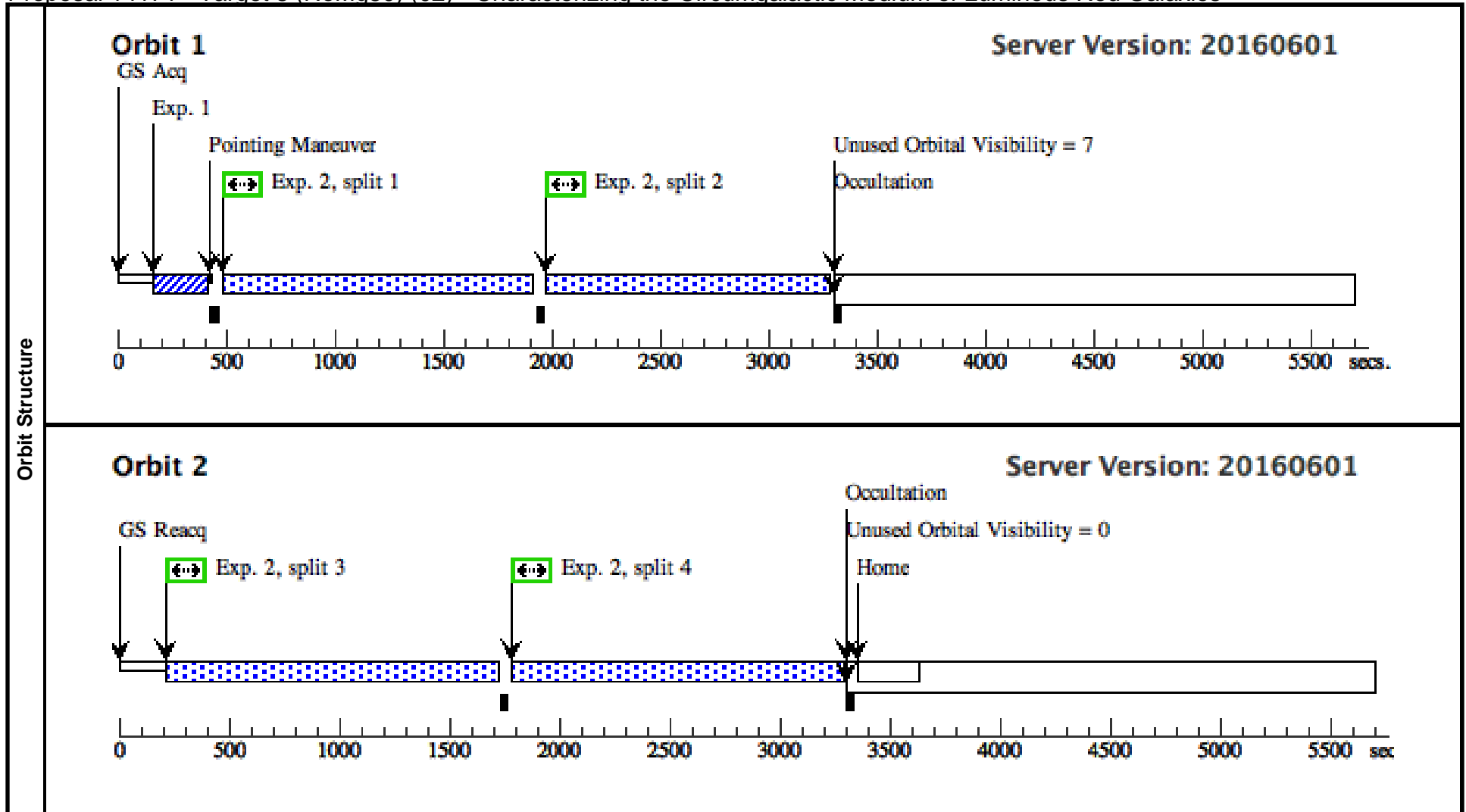
Visit	<b>Proposal 14171, Target 5 (MgII383) (01), completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(5)	GALEX-J110636.8-011454	RA: 11 06 36.7824 (166.6532600d) Dec: -01 14 54.15 (-1.24838d) Equinox: J2000		V=16.58+/-0.2	Reference Frame: ICRS				
	<i>Comments: This object was generated by the targetselector and retrieved from the GALEX database.</i> Extended=NO									
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(COS.im.72 7704)	(5) GALEX-J110636.8-011454	COS/NUV, ACQ/IMAGE, PSA	MIRRORB			GS ACQ SCENARI O BASE1B3	93 Secs (93 Secs) [==>]	[1]
	<i>Comments: Target: [point source]</i> Spectrum: Non-stellar Objects QSO (FOS based) [100, 3387 Ang z=0] Extinction E(B-V): Milky Way Diffuse (Rv=3.1) = 0.03 applied before normalization Normalization: Renormalized to abmag = 17.4009 in filter Galex/NUV Redshift: z=0.997164 Emission Lines: None									
	2	(COS.sp.720 678)	(5) GALEX-J110636.8-011454	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=60 00; FP-POS=ALL			1100 Secs (5056 Secs) [==>1128.0 Secs (Split 1)] [==>1128.0 Secs (Split 2)] [==>1400.0 Secs (Split 3)] [==>1400.0 Secs (Split 4)]	[1] [2]
	<i>Comments: Target: [point source]</i> Spectrum: Non-stellar Objects QSO (FOS based) [100, 3387 Ang z=0] Extinction E(B-V): Milky Way Diffuse (Rv=3.1) = 0.05 applied before normalization Normalization: Renormalized to abmag = 18.2177 in filter Galex/FUV Redshift: z=0.997164 Emission Lines: None									



Proposal 14171 - Target 8 (NoMg80) (02) - Characterizing the Circumgalactic Medium of Luminous Red Galaxies

Fri Jul 29 17:09:30 GMT 2016

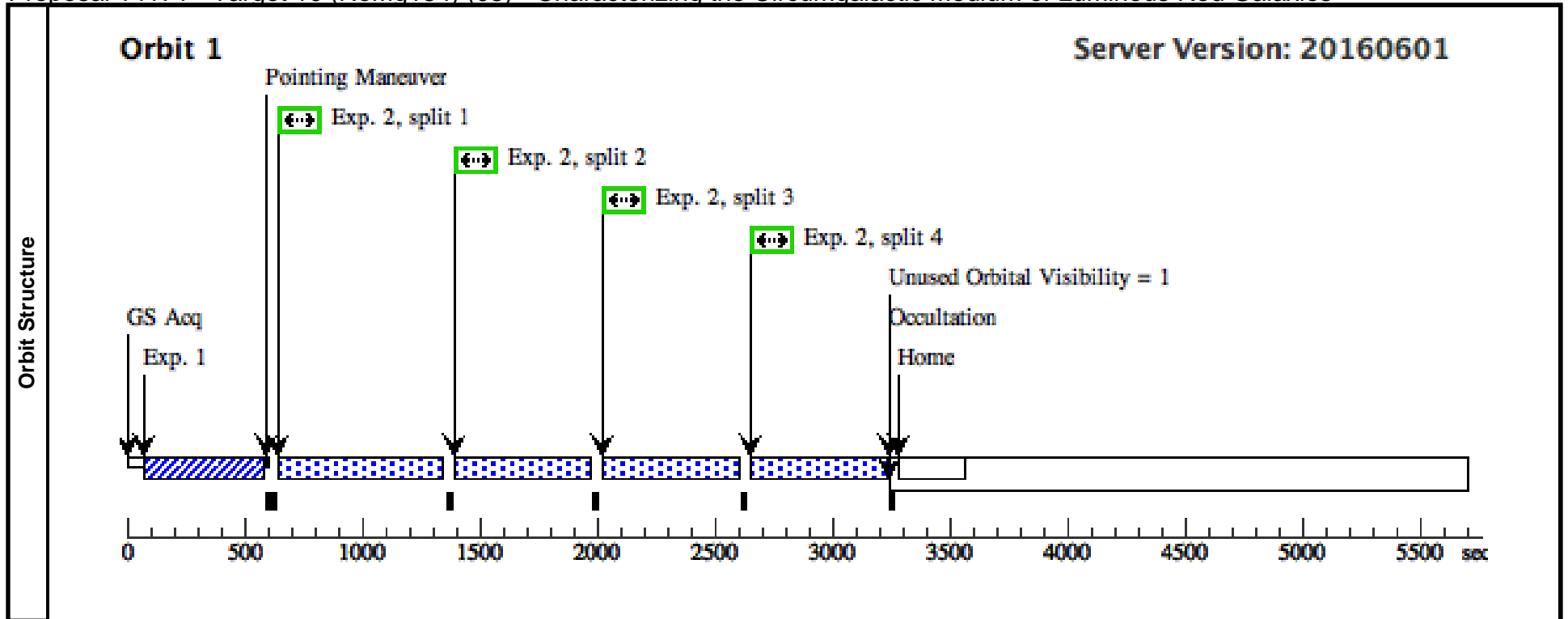
Visit	<b>Proposal 14171, Target 8 (NoMg80) (02), completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(8)	GALEX-J112150.8+434455	RA: 11 21 50.8582 (170.4619092d) Dec: +43 44 55.54 (43.74876d) Equinox: J2000		V=18.06+/-0.2	Reference Frame: ICRS				
	<i>Comments: This object was generated by the targetselector and retrieved from the GALEX database.</i> Extended=NO									
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(COS.im.72 7707)	(8) GALEX-J112150.8+434455	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				11.7 Secs (11.7 Secs) [==>]	[1]
	<i>Comments: Target: [point source]</i> Spectrum: Non-stellar Objects QSO (FOS based) [100, 3387 Ang z=0] Extinction E(B-V): Milky Way Diffuse (Rv=3.1) = 0.03 applied before normalization Normalization: Renormalized to abmag = 18.4216 in filter Galex/NUV Redshift: z=0.670011 Emission Lines: None									
	2	(COS.sp.720 679)	(8) GALEX-J112150.8+434455	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=80 00; FP-POS=ALL			1200 Secs (5416 Secs) [==>1255.0 Secs (Split 1)] [==>1255.0 Secs (Split 2)] [==>1453.0 Secs (Split 3)] [==>1453.0 Secs (Split 4)]	[1] [2]
	<i>Comments: Target: [point source]</i> Spectrum: Non-stellar Objects QSO (FOS based) [100, 3387 Ang z=0] Extinction E(B-V): Milky Way Diffuse (Rv=3.1) = 0.05 applied before normalization Normalization: Renormalized to abmag = 19.0276 in filter Galex/FUV Redshift: z=0.670011 Emission Lines: None									



Proposal 14171 - Target 10 (NoMg184) (03) - Characterizing the Circumgalactic Medium of Luminous Red Galaxies

Fri Jul 29 17:09:31 GMT 2016

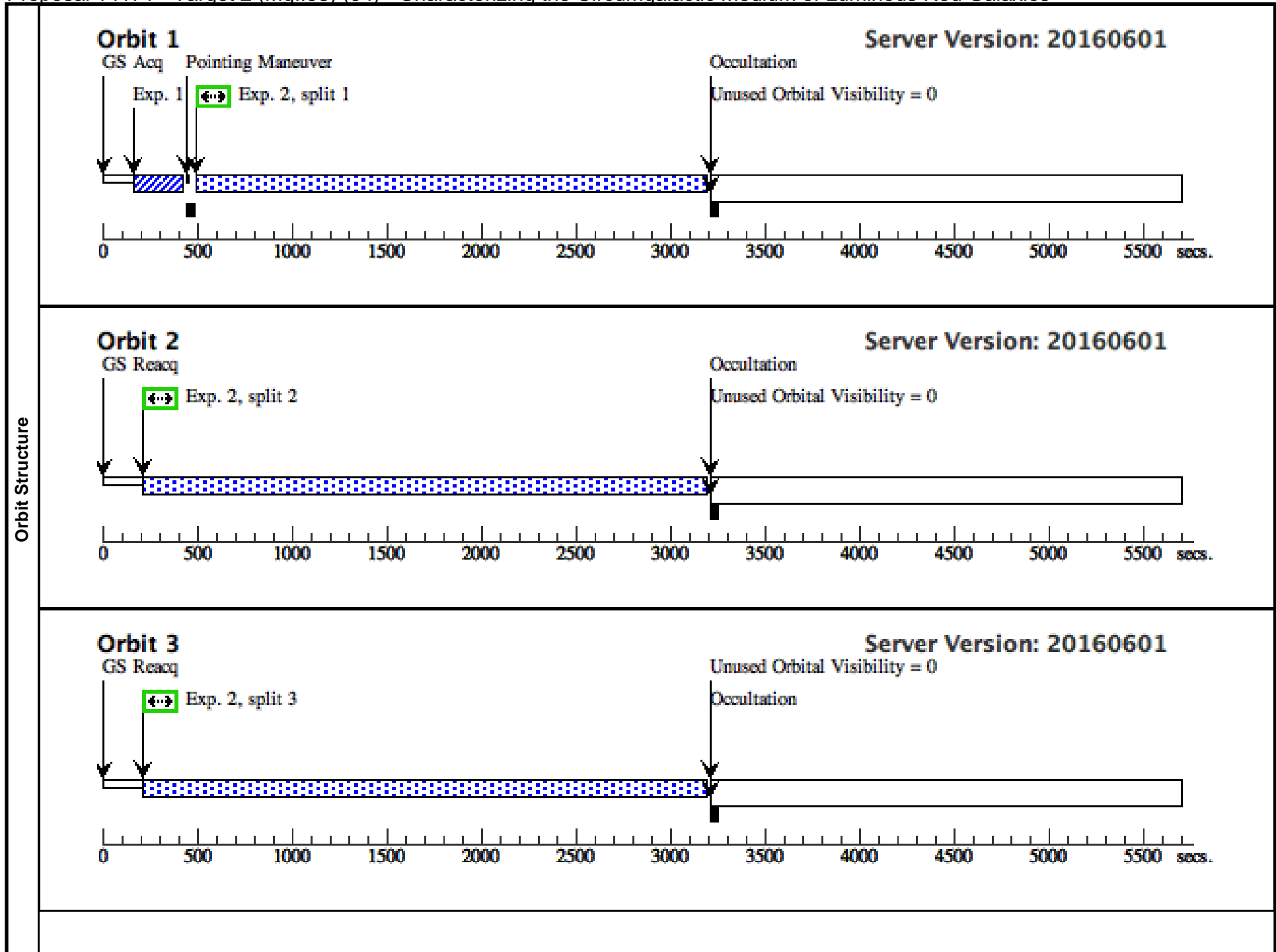
Visit	<b>Proposal 14171, Target 10 (NoMg184) (03), completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(10)	GALEX-J130608.3+342043	RA: 13 06 8.3916 (196.5349650d) Dec: +34 20 43.09 (34.34530d) Equinox: J2000		V=17.23+/-0.2	Reference Frame: ICRS				
	<i>Comments: This object was generated by the targetselector and retrieved from the GALEX database.</i> Extended=NO									
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(COS.im.72 7708)	(10) GALEX-J130608.3+342043	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				93 Secs (93 Secs) [==>]	[1]
	<i>Comments: Target: [point source]</i> Spectrum: Non-stellar Objects QSO (FOS based) [100, 3387 Ang z=0] Extinction E(B-V): Milky Way Diffuse (Rv=3.1) = 0.03 applied before normalization Normalization: Renormalized to abmag = 17.425 in filter Galex/NUV Redshift: z=0.77591 Emission Lines: None									
2	(COS.sp.680)	(10) GALEX-J130608.3+342043	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=60 00; FP-POS=ALL			555 Secs (2092 Secs) [==>523.0 Secs (Split 1)] [==>523.0 Secs (Split 2)] [==>523.0 Secs (Split 3)] [==>523.0 Secs (Split 4)]	[1]	
	<i>Comments: Target: [point source]</i> Spectrum: Non-stellar Objects QSO (FOS based) [100, 3387 Ang z=0] Extinction E(B-V): Milky Way Diffuse (Rv=3.1) = 0.05 applied before normalization Normalization: Renormalized to abmag = 18.1241 in filter Galex/FUV Redshift: z=0.77591 Emission Lines: None									

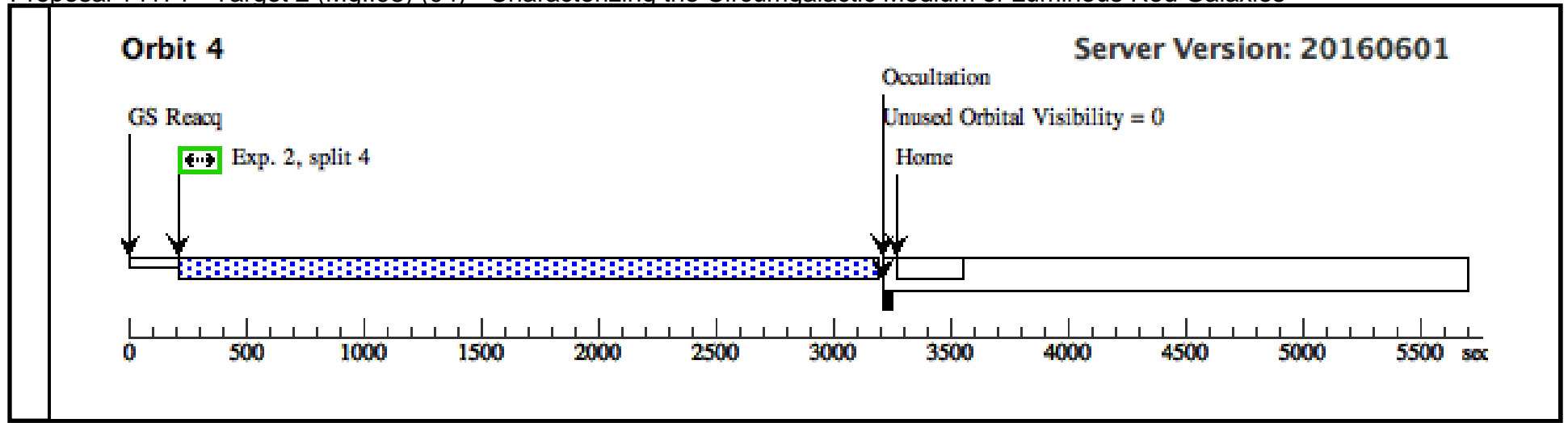


Proposal 14171 - Target 2 (MgII98) (04) - Characterizing the Circumgalactic Medium of Luminous Red Galaxies

Fri Jul 29 17:09:31 GMT 2016

Visit	<b>Proposal 14171, Target 2 (MgII98) (04), completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(2)	GALEX-J114444.6+071443	RA: 11 44 44.6579 (176.1860746d) Dec: +07 14 43.83 (7.24551d) Equinox: J2000		V=18.11+/-0.2	Reference Frame: ICRS				
	<i>Comments: This object was generated by the targetselector and retrieved from the GALEX database.</i> Extended=NO									
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(COS.im.72 7710)	(2) GALEX-J114444.6+071443	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				17.1 Secs (17.1 Secs) [==>]	[1]
	<i>Comments: Target: [point source]</i> Spectrum: Non-stellar Objects QSO (FOS based) [100, 3387 Ang z=0] Extinction E(B-V): Milky Way Diffuse (Rv=3.1) = 0.03 applied before normalization Normalization: Renormalized to abmag = 18.8747 in filter Galex/NUV Redshift: z=0.922655									
2	(COS.sp.720 683)	(2) GALEX-J114444.6+071443	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=9000; FP-POS=ALL			3000 Secs (11307 Secs) [==>2526.0 Secs (Split 1)] [==>2927.0 Secs (Split 2)] [==>2927.0 Secs (Split 3)] [==>2927.0 Secs (Split 4)]	[1] [2] [3] [4]	
	<i>Comments: Target: [point source]</i> Spectrum: Non-stellar Objects QSO (FOS based) [100, 3387 Ang z=0] Extinction E(B-V): Milky Way Diffuse (Rv=3.1) = 0.05 applied before normalization Normalization: Renormalized to abmag = 19.7997 in filter Galex/FUV Redshift: z=0.922655									

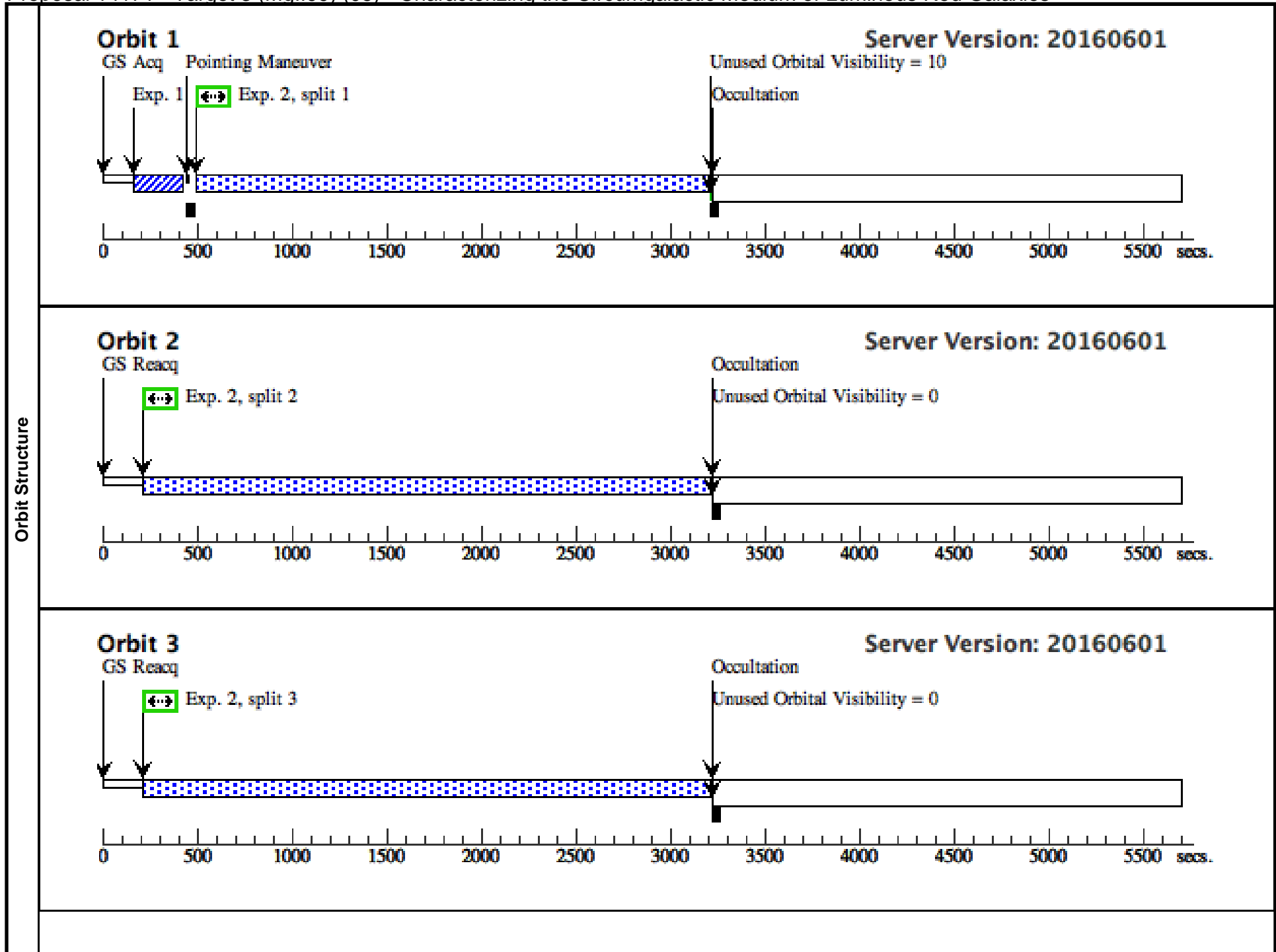


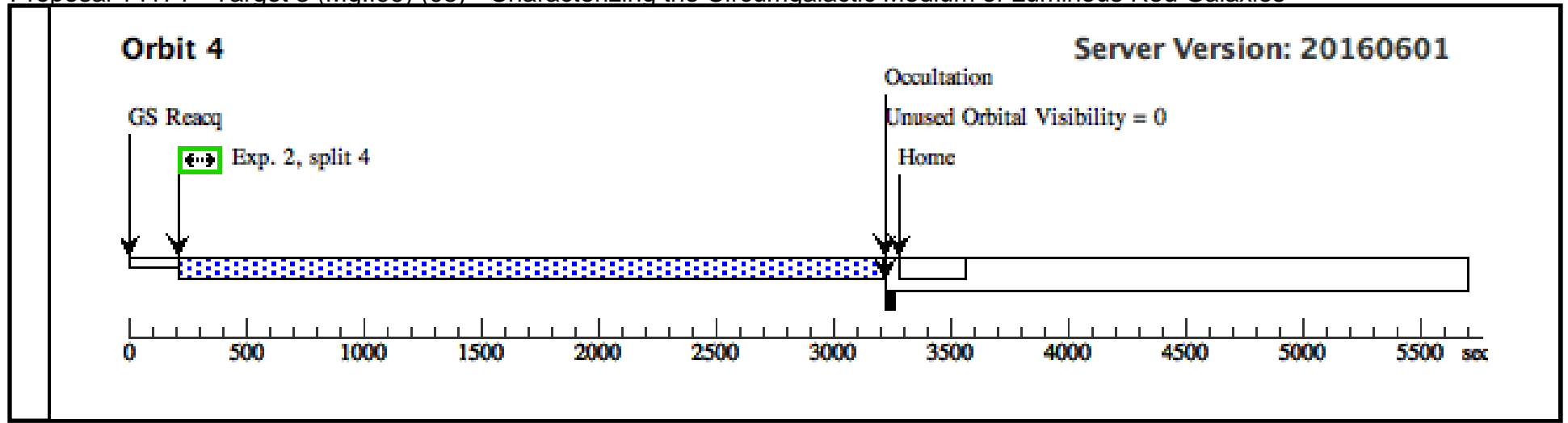


Proposal 14171 - Target 3 (MgII99) (05) - Characterizing the Circumgalactic Medium of Luminous Red Galaxies

Fri Jul 29 17:09:31 GMT 2016

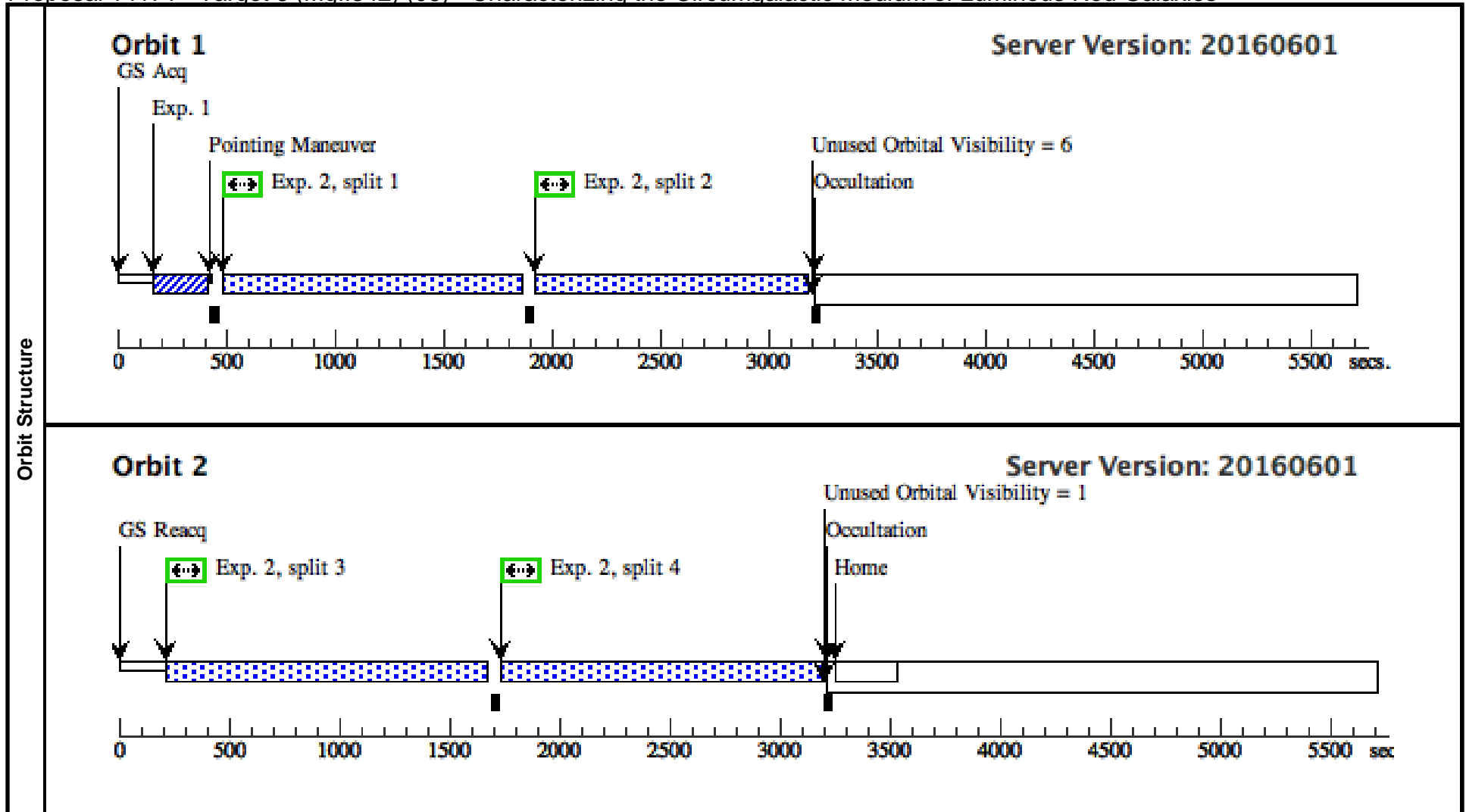
Visit	<b>Proposal 14171, Target 3 (MgII99) (05), completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(3)	GALEX-J135123.0+275327	RA: 13 51 23.0228 (207.8459283d) Dec: +27 53 27.96 (27.89110d) Equinox: J2000		V=18.16+/-0.2	Reference Frame: ICRS				
	<i>Comments: This object was generated by the targetselector and retrieved from the GALEX database.</i> Extended=NO									
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(COS.im.72 7711)	(3) GALEX-J135123.0+275327	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				18.5 Secs (18.5 Secs) [==>]	[1]
	<i>Comments: Target: [point source]</i> Spectrum: Non-stellar Objects QSO (FOS based) [100, 3387 Ang z=0] Extinction E(B-V): Milky Way Diffuse (Rv=3.1) = 0.03 applied before normalization Normalization: Renormalized to abmag = 18.9624 in filter Galex/NUV Redshift: z=1.23041									
2	(COS.sp.720 684)	(3) GALEX-J135123.0+275327	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=9000; FP-POS=ALL			3000 Secs (11359 Secs) [==>2530.0 Secs (Split 1)] [==>2943.0 Secs (Split 2)] [==>2943.0 Secs (Split 3)] [==>2943.0 Secs (Split 4)]	[1] [2] [3] [4]	
	<i>Comments: Target: [point source]</i> Spectrum: Non-stellar Objects QSO (FOS based) [100, 3387 Ang z=0] Extinction E(B-V): Milky Way Diffuse (Rv=3.1) = 0.05 applied before normalization Normalization: Renormalized to abmag = 20.0321 in filter Galex/FUV Redshift: z=1.23041									





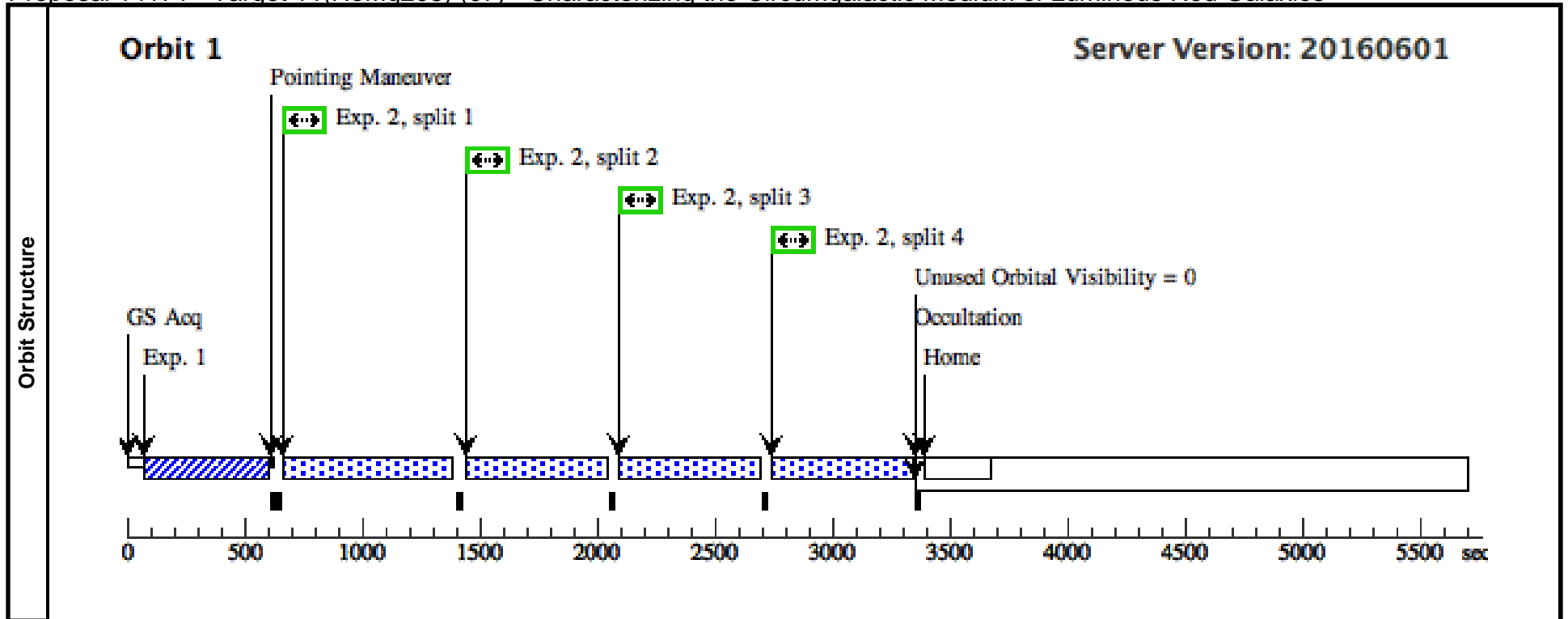
Proposal 14171 - Target 6 (MgII342) (06) - Characterizing the Circumgalactic Medium of Luminous Red Galaxies

Visit	Proposal 14171, Target 6 (MgII342) (06), completed <span style="float: right;">Fri Jul 29 17:09:31 GMT 2016</span> Diagnostic Status: No Diagnostics Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none)																																																											
Fixed Targets	<table border="1" style="width: 100%; border-collapse: collapse;"> <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>(6)</td> <td>GALEX-J144021.9-015626</td> <td>RA: 14 40 21.9261 (220.0913588d) Dec: -01 56 26.82 (-1.94078d) Equinox: J2000</td> <td></td> <td>V=17.56+/-0.2</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: This object was generated by the targetselector and retrieved from the GALEX database. Extended=NO</i></p>										#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(6)	GALEX-J144021.9-015626	RA: 14 40 21.9261 (220.0913588d) Dec: -01 56 26.82 (-1.94078d) Equinox: J2000		V=17.56+/-0.2	Reference Frame: ICRS																																						
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(6)	GALEX-J144021.9-015626	RA: 14 40 21.9261 (220.0913588d) Dec: -01 56 26.82 (-1.94078d) Equinox: J2000		V=17.56+/-0.2	Reference Frame: ICRS																																																							
Exposures	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>#</th> <th>Label (ETC Run)</th> <th>Target</th> <th>Config,Mode,Aperture</th> <th>Spectral Els.</th> <th>Opt. Params.</th> <th>Special Reqs.</th> <th>Groups</th> <th>Exp. Time (Total)/[Actual Dur.]</th> <th>Orbit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>(COS.im.72 7713)</td> <td>(6) GALEX-J144021.9-015626</td> <td>COS/NUV, ACQ/IMAGE, PSA</td> <td>MIRRORA</td> <td></td> <td></td> <td></td> <td>9.7 Secs (9.7 Secs) [==&gt;]</td> <td>[1]</td> </tr> <tr> <td colspan="10"> <i>Comments: Target: [point source] Spectrum: Non-stellar Objects QSO (FOS based) [100, 3387 Ang z=0] Extinction E(B-V): Milky Way Diffuse (Rv=3.1) = 0.03 applied before normalization Normalization: Renormalized to abmag = 18.2223 in filter Galex/NUV Redshift: z=0.71743</i> </td> </tr> <tr> <td>2</td> <td>(COS.sp.720 686)</td> <td>(6) GALEX-J144021.9-015626</td> <td>COS/FUV, TIME-TAG, PSA</td> <td>G140L 1280 A</td> <td>BUFFER-TIME=8000; FP-POS=ALL</td> <td></td> <td></td> <td>1200 Secs (5226 Secs) [==&gt;1209.0 Secs (Split 1)] [==&gt;1209.0 Secs (Split 2)] [==&gt;1404.0 Secs (Split 3)] [==&gt;1404.0 Secs (Split 4)]</td> <td>[1] [2]</td> </tr> <tr> <td colspan="10"> <i>Comments: Target: [point source] Spectrum: Non-stellar Objects QSO (FOS based) [100, 3387 Ang z=0] Extinction E(B-V): Milky Way Diffuse (Rv=3.1) = 0.05 applied before normalization Normalization: Renormalized to abmag = 19.0599 in filter Galex/FUV Redshift: z=0.71743</i> </td> </tr> </tbody> </table>										#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	1	(COS.im.72 7713)	(6) GALEX-J144021.9-015626	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				9.7 Secs (9.7 Secs) [==>]	[1]	<i>Comments: Target: [point source] Spectrum: Non-stellar Objects QSO (FOS based) [100, 3387 Ang z=0] Extinction E(B-V): Milky Way Diffuse (Rv=3.1) = 0.03 applied before normalization Normalization: Renormalized to abmag = 18.2223 in filter Galex/NUV Redshift: z=0.71743</i>										2	(COS.sp.720 686)	(6) GALEX-J144021.9-015626	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=8000; FP-POS=ALL			1200 Secs (5226 Secs) [==>1209.0 Secs (Split 1)] [==>1209.0 Secs (Split 2)] [==>1404.0 Secs (Split 3)] [==>1404.0 Secs (Split 4)]	[1] [2]	<i>Comments: Target: [point source] Spectrum: Non-stellar Objects QSO (FOS based) [100, 3387 Ang z=0] Extinction E(B-V): Milky Way Diffuse (Rv=3.1) = 0.05 applied before normalization Normalization: Renormalized to abmag = 19.0599 in filter Galex/FUV Redshift: z=0.71743</i>									
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1	(COS.im.72 7713)	(6) GALEX-J144021.9-015626	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				9.7 Secs (9.7 Secs) [==>]	[1]																																																			
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2	(COS.sp.720 686)	(6) GALEX-J144021.9-015626	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=8000; FP-POS=ALL			1200 Secs (5226 Secs) [==>1209.0 Secs (Split 1)] [==>1209.0 Secs (Split 2)] [==>1404.0 Secs (Split 3)] [==>1404.0 Secs (Split 4)]	[1] [2]																																																			
<i>Comments: Target: [point source] Spectrum: Non-stellar Objects QSO (FOS based) [100, 3387 Ang z=0] Extinction E(B-V): Milky Way Diffuse (Rv=3.1) = 0.05 applied before normalization Normalization: Renormalized to abmag = 19.0599 in filter Galex/FUV Redshift: z=0.71743</i>																																																												



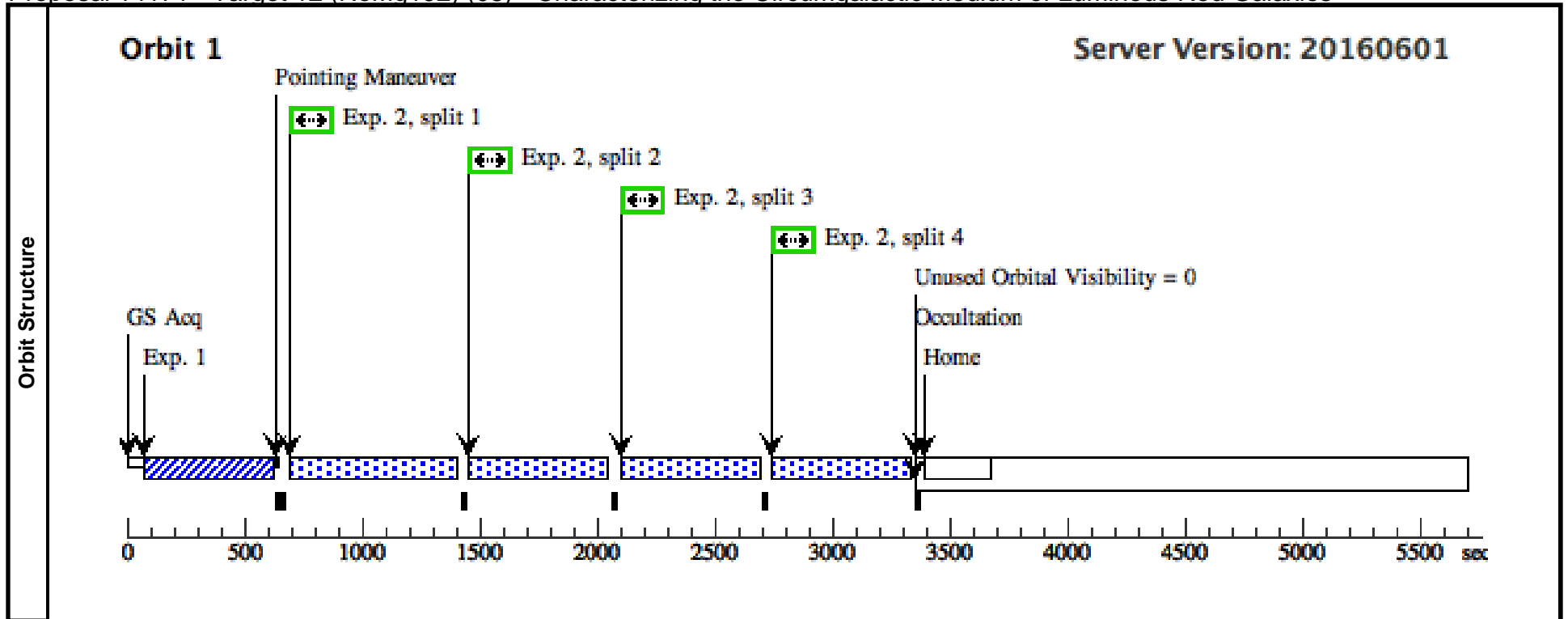
Proposal 14171 - Target 11(NoMg208) (07) - Characterizing the Circumgalactic Medium of Luminous Red Galaxies

Visit	Proposal 14171, Target 11(NoMg208) (07), completed <span style="float: right;">Fri Jul 29 17:09:31 GMT 2016</span> Diagnostic Status: No Diagnostics Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none)																																																											
Fixed Targets	<table border="1" style="width: 100%; border-collapse: collapse;"> <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>(11)</td> <td>GALEX-J121740.8+493118</td> <td>RA: 12 17 40.8073 (184.4200304d) Dec: +49 31 18.00 (49.52167d) Equinox: J2000</td> <td></td> <td>V=17.10+/-0.2</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: This object was generated by the targetselector and retrieved from the GALEX database. Extended=NO</i></p>										#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(11)	GALEX-J121740.8+493118	RA: 12 17 40.8073 (184.4200304d) Dec: +49 31 18.00 (49.52167d) Equinox: J2000		V=17.10+/-0.2	Reference Frame: ICRS																																						
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																																																							
(11)	GALEX-J121740.8+493118	RA: 12 17 40.8073 (184.4200304d) Dec: +49 31 18.00 (49.52167d) Equinox: J2000		V=17.10+/-0.2	Reference Frame: ICRS																																																							
Exposures	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>#</th> <th>Label (ETC Run)</th> <th>Target</th> <th>Config,Mode,Aperture</th> <th>Spectral Els.</th> <th>Opt. Params.</th> <th>Special Reqs.</th> <th>Groups</th> <th>Exp. Time (Total)/[Actual Dur.]</th> <th>Orbit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>(COS.im.72 7718)</td> <td>(11) GALEX-J12174 0.8+493118</td> <td>COS/NUV, ACQ/IMAGE, PSA</td> <td>MIRRORB</td> <td></td> <td></td> <td></td> <td>103 Secs (103 Secs) [==&gt;]</td> <td>[1]</td> </tr> <tr> <td colspan="10"> <p><i>Comments: Target: [point source] Spectrum: Non-stellar Objects QSO (FOS based) [100, 3387 Ang z=0] Extinction E(B-V): Milky Way Diffuse (Rv=3.1) = 0.03 applied before normalization Normalization: Renormalized to abmag = 17.5403 in filter Galex/NUV Redshift: z=0.731663</i></p> </td> </tr> <tr> <td>2</td> <td>(COS.sp.720 687)</td> <td>(11) GALEX-J12174 0.8+493118</td> <td>COS/FUV, TIME-TAG, PSA</td> <td>G140L 1280 A</td> <td>BUFFER-TIME=80 00; FP-POS=ALL</td> <td></td> <td></td> <td>555 Secs (2180 Secs) [==&gt;545.0 Secs (Split 1)] [==&gt;545.0 Secs (Split 2)] [==&gt;545.0 Secs (Split 3)] [==&gt;545.0 Secs (Split 4)]</td> <td>[1]</td> </tr> <tr> <td colspan="10"> <p><i>Comments: Target: [point source] Spectrum: Non-stellar Objects QSO (FOS based) [100, 3387 Ang z=0] Extinction E(B-V): Milky Way Diffuse (Rv=3.1) = 0.05 applied before normalization Normalization: Renormalized to abmag = 18.7117 in filter Galex/FUV Redshift: z=0.731663</i></p> </td> </tr> </tbody> </table>										#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	1	(COS.im.72 7718)	(11) GALEX-J12174 0.8+493118	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				103 Secs (103 Secs) [==>]	[1]	<p><i>Comments: Target: [point source] Spectrum: Non-stellar Objects QSO (FOS based) [100, 3387 Ang z=0] Extinction E(B-V): Milky Way Diffuse (Rv=3.1) = 0.03 applied before normalization Normalization: Renormalized to abmag = 17.5403 in filter Galex/NUV Redshift: z=0.731663</i></p>										2	(COS.sp.720 687)	(11) GALEX-J12174 0.8+493118	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=80 00; FP-POS=ALL			555 Secs (2180 Secs) [==>545.0 Secs (Split 1)] [==>545.0 Secs (Split 2)] [==>545.0 Secs (Split 3)] [==>545.0 Secs (Split 4)]	[1]	<p><i>Comments: Target: [point source] Spectrum: Non-stellar Objects QSO (FOS based) [100, 3387 Ang z=0] Extinction E(B-V): Milky Way Diffuse (Rv=3.1) = 0.05 applied before normalization Normalization: Renormalized to abmag = 18.7117 in filter Galex/FUV Redshift: z=0.731663</i></p>									
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit																																																			
1	(COS.im.72 7718)	(11) GALEX-J12174 0.8+493118	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				103 Secs (103 Secs) [==>]	[1]																																																			
<p><i>Comments: Target: [point source] Spectrum: Non-stellar Objects QSO (FOS based) [100, 3387 Ang z=0] Extinction E(B-V): Milky Way Diffuse (Rv=3.1) = 0.03 applied before normalization Normalization: Renormalized to abmag = 17.5403 in filter Galex/NUV Redshift: z=0.731663</i></p>																																																												
2	(COS.sp.720 687)	(11) GALEX-J12174 0.8+493118	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=80 00; FP-POS=ALL			555 Secs (2180 Secs) [==>545.0 Secs (Split 1)] [==>545.0 Secs (Split 2)] [==>545.0 Secs (Split 3)] [==>545.0 Secs (Split 4)]	[1]																																																			
<p><i>Comments: Target: [point source] Spectrum: Non-stellar Objects QSO (FOS based) [100, 3387 Ang z=0] Extinction E(B-V): Milky Way Diffuse (Rv=3.1) = 0.05 applied before normalization Normalization: Renormalized to abmag = 18.7117 in filter Galex/FUV Redshift: z=0.731663</i></p>																																																												



Proposal 14171 - Target 12 (NoMg192) (08) - Characterizing the Circumgalactic Medium of Luminous Red Galaxies

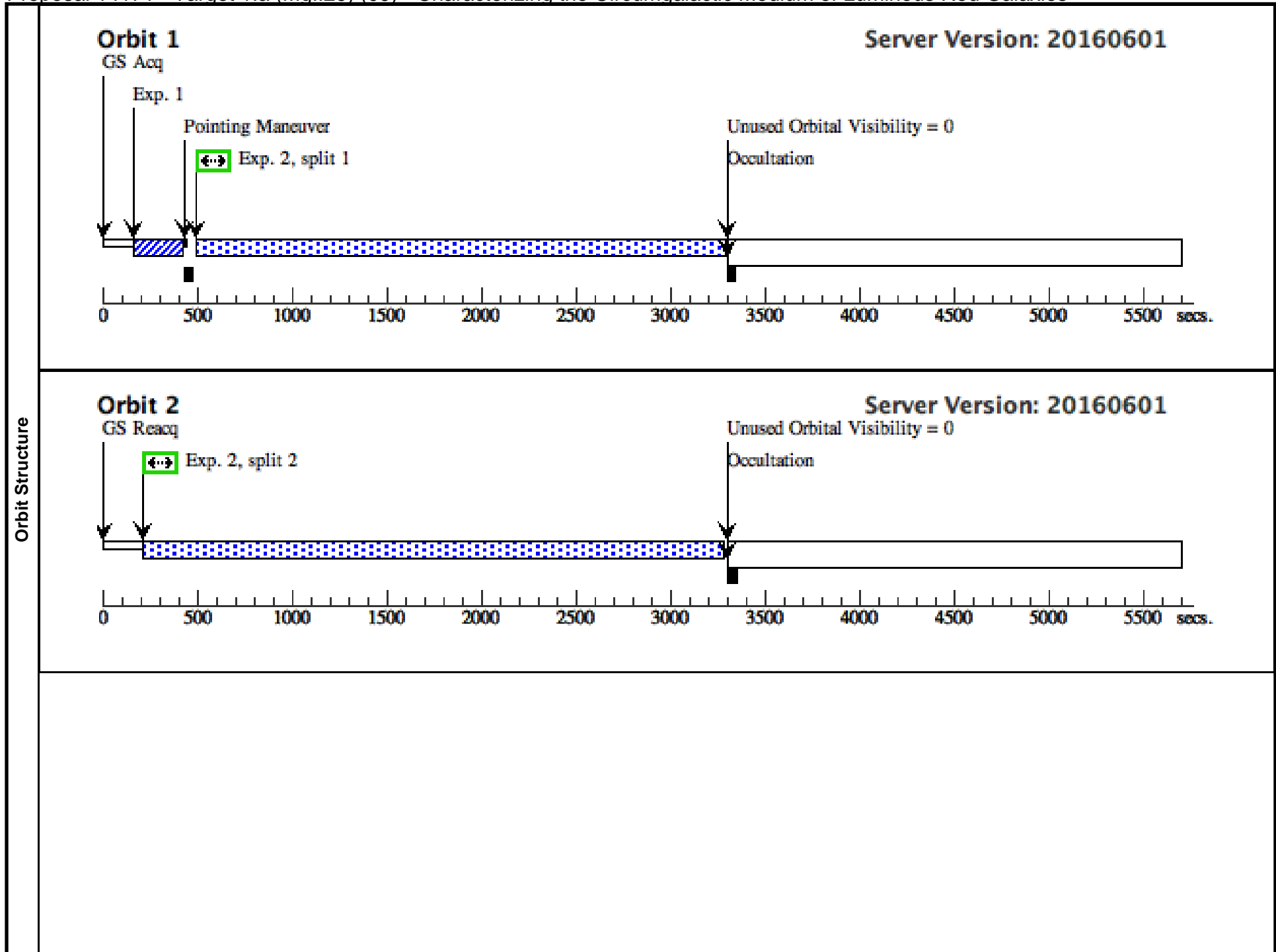
<b>Visit</b>	Proposal 14171, Target 12 (NoMg192) (08), completed <span style="float: right;">Fri Jul 29 17:09:31 GMT 2016</span> Diagnostic Status: No Diagnostics Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none)									
	<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
(12)		GALEX-J110250.3+454231	RA: 11 02 50.3450 (165.7097708d) Dec: +45 42 31.12 (45.70864d) Equinox: J2000		V=17.52+/-0.2	Reference Frame: ICRS				
	Comments: This object was generated by the targetselector and retrieved from the GALEX database. Extended=NO									
<b>Exposures</b>	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(COS.im.72 7784)	(12) GALEX-J11025 0.3+454231	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				115 Secs (115 Secs) [==>]	[1]
	Comments: Target: [point source] Spectrum: Non-stellar Objects QSO (FOS based) [100, 3387 Ang z=0] Extinction E(B-V): Milky Way Diffuse (Rv=3.1) = 0.03 applied before normalization Normalization: Renormalized to abmag = 17.6568 in filter Galax/NUV Redshift: z=0.765534									
2	(COS.sp.720 688)	(12) GALEX-J11025 0.3+454231	COS/FUV, TIME-TAG, PSA	G140L 1280 A	1280 A	BUFFER-TIME=8000; FP-POS=ALL			555 Secs (2156 Secs) [==>539.0 Secs (Split 1)] [==>539.0 Secs (Split 2)] [==>539.0 Secs (Split 3)] [==>539.0 Secs (Split 4)]	[1]
Comments: Target: [point source] Spectrum: Non-stellar Objects QSO (FOS based) [100, 3387 Ang z=0] Extinction E(B-V): Milky Way Diffuse (Rv=3.1) = 0.05 applied before normalization Normalization: Renormalized to abmag = 18.7305 in filter Galax/FUV Redshift: z=0.765534										



Proposal 14171 - Target 1.a (MgII29) (09) - Characterizing the Circumgalactic Medium of Luminous Red Galaxies

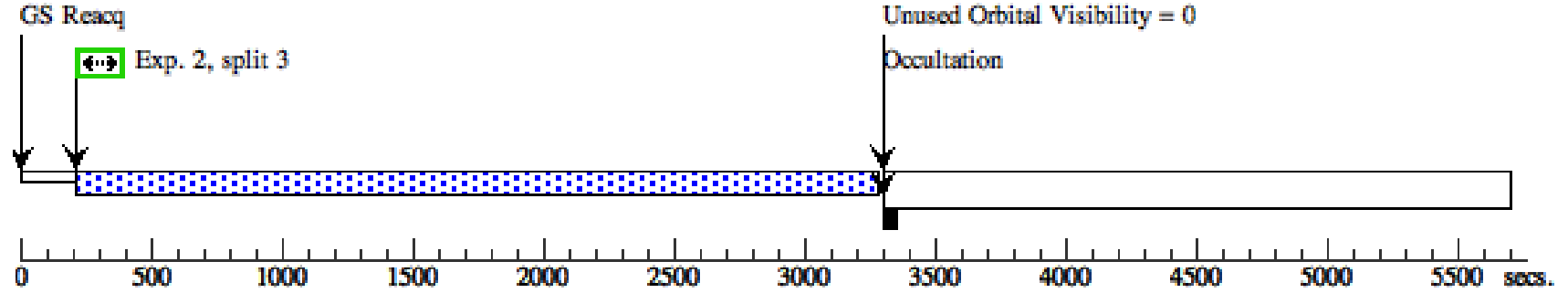
Fri Jul 29 17:09:31 GMT 2016

Visit	<b>Proposal 14171, Target 1.a (MgII29) (09), scheduling</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	GALEX-J105930.9+403956	RA: 10 59 30.9401 (164.8789171d) Dec: +40 39 56.42 (40.66567d) Equinox: J2000		V=17.94+/-0.2	Reference Frame: ICRS				
	<i>Comments: This object was generated by the targetselector and retrieved from the GALEX database.</i> Extended=NO									
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(COS.im.72 7723)	(1) GALEX-J105930.9+403956	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				14.1 Secs (14.1 Secs) [==>]	[1]
	<i>Comments: Target: [point source]</i> Spectrum: Non-stellar Objects QSO (FOS based) [100, 3387 Ang z=0] Extinction E(B-V): Milky Way Diffuse (Rv=3.1) = 0.03 applied before normalization Normalization: Renormalized to abmag = 18.6502 in filter Galex/NUV Redshift: z=1.20985									
	2	(COS.sp.720 692)	(1) GALEX-J105930.9+403956	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=9000; FP-POS=ALL			2400 Secs (11689 Secs) [==>2626.0 Secs (Split 1)] [==>3021.0 Secs (Split 2)] [==>3021.0 Secs (Split 3)] [==>3021.0 Secs (Split 4)]	[1] [2] [3] [4]
	<i>Comments: Target: [point source]</i> Spectrum: Non-stellar Objects QSO (FOS based) [100, 3387 Ang z=0] Extinction E(B-V): Milky Way Diffuse (Rv=3.1) = 0.05 applied before normalization Normalization: Renormalized to abmag = 20.4025 in filter Galex/FUV Redshift: z=1.20985									



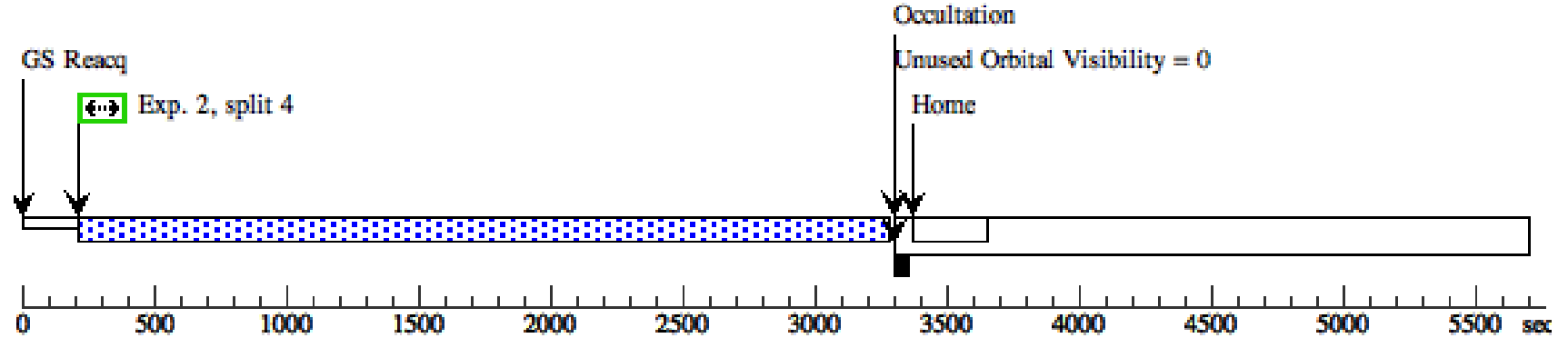
### Orbit 3

Server Version: 20160601



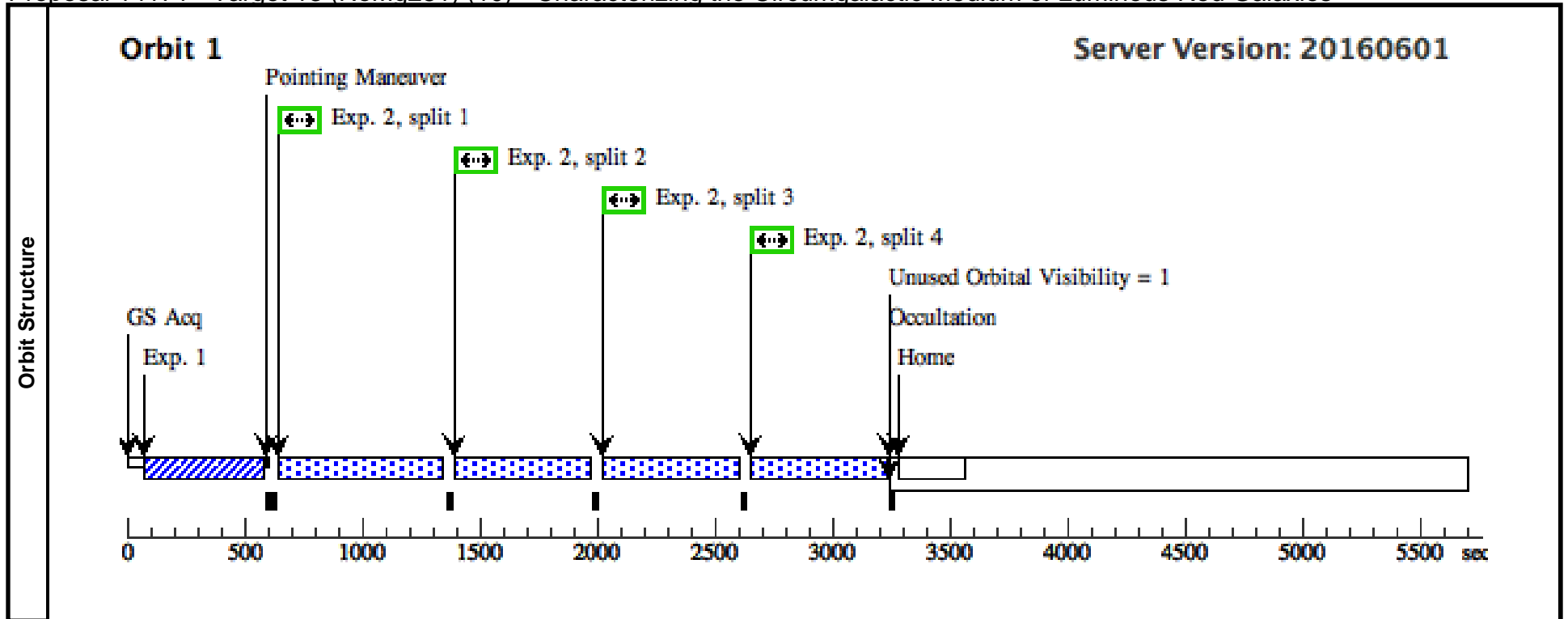
### Orbit 4

Server Version: 20160601



Proposal 14171 - Target 13 (NoMg281) (10) - Characterizing the Circumgalactic Medium of Luminous Red Galaxies

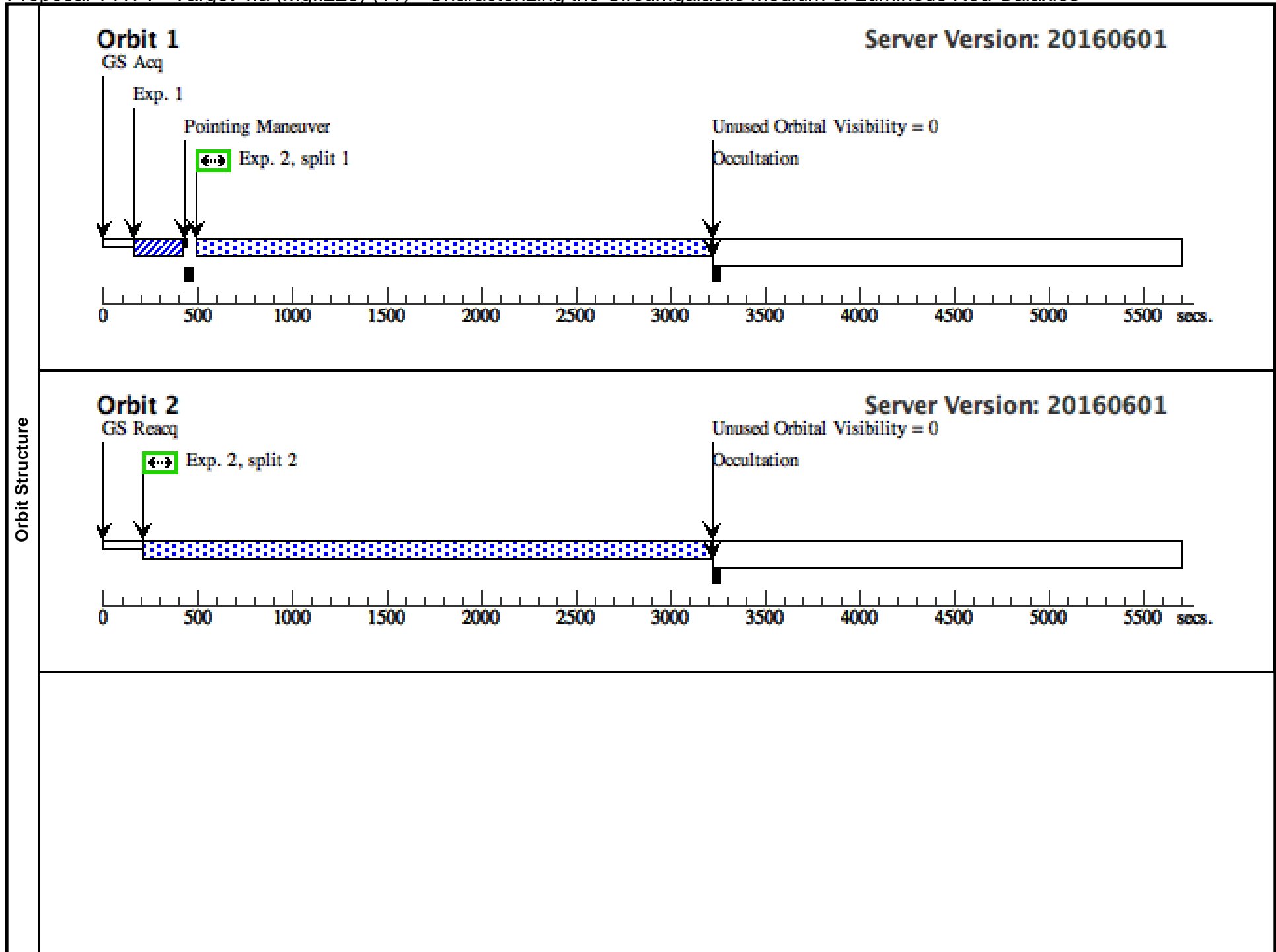
<b>Visit</b>	Proposal 14171, Target 13 (NoMg281) (10), completed <span style="float: right;">Fri Jul 29 17:09:31 GMT 2016</span> Diagnostic Status: No Diagnostics Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none)									
	<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
(13)		GALEX-J125100.3+302543	RA: 12 51 0.3489 (192.7514537d) Dec: +30 25 42.52 (30.42848d) Equinox: J2000		V=17.63+/-0.2	Reference Frame: ICRS				
	Comments: This object was generated by the targetselector and retrieved from the GALEX database. Extended=NO									
<b>Exposures</b>	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(COS.im.72 7728)	(13) GALEX-J12510 0.3+302543	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				93 Secs (93 Secs)	
	Comments: Target: [point source] Spectrum: Non-stellar Objects QSO (FOS based) [100, 3387 Ang z=0] Extinction E(B-V): Milky Way Diffuse (Rv=3.1) = 0.03 applied before normalization Normalization: Renormalized to abmag = 17.4313 in filter Galex/NUV Redshift: z=0.652754									[1]
2	(COS.sp.720 690)	(13) GALEX-J12510 0.3+302543	COS/FUV, TIME-TAG, PSA	G140L 1280 A	FP-POS=ALL; BUFFER-TIME=70 00				555 Secs (2092 Secs)	
Comments: Target: [point source] Spectrum: Non-stellar Objects QSO (FOS based) [100, 3387 Ang z=0] Extinction E(B-V): Milky Way Diffuse (Rv=3.1) = 0.05 applied before normalization Normalization: Renormalized to abmag = 18.2146 in filter Galex/FUV Redshift: z=0.652754									[1]	



Proposal 14171 - Target 4.a (MgII225) (11) - Characterizing the Circumgalactic Medium of Luminous Red Galaxies

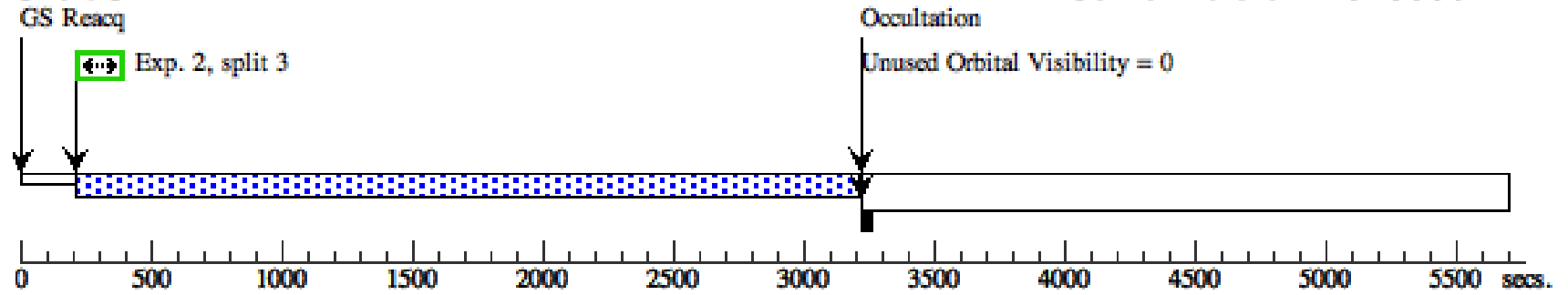
Fri Jul 29 17:09:31 GMT 2016

Visit	<b>Proposal 14171, Target 4.a (MgII225) (11), scheduling</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(4)	GALEX-J152013.9+253437	RA: 15 20 13.9945 (230.0583104d) Dec: +25 34 37.96 (25.57721d) Equinox: J2000		V=18.03+/-0.2	Reference Frame: ICRS				
	<i>Comments: This object was generated by the targetselector and retrieved from the GALEX database.</i> Extended=NO									
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(COS.im.727733)	(4) GALEX-J152013.9+253437	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				15.7 Secs (15.7 Secs) [==>]	[1]
	<i>Comments: Target: [point source]</i> Spectrum: Non-stellar Objects QSO (FOS based) [100, 3387 Ang z=0] Extinction E(B-V): Milky Way Diffuse (Rv=3.1) = 0.03 applied before normalization Normalization: Renormalized to abmag = 18.8854 in filter Galex/NUV Redshift: z=1.46385									
2	(COS.sp.720710)	(4) GALEX-J152013.9+253437	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=9000; FP-POS=ALL			2400 Secs (11375 Secs) [==>2546.0 Secs (Split 1)] [==>2943.0 Secs (Split 2)] [==>2943.0 Secs (Split 3)] [==>2943.0 Secs (Split 4)]	[1] [2] [3] [4]	
	<i>Comments: Target: [point source]</i> Spectrum: Non-stellar Objects QSO (FOS based) [100, 3387 Ang z=0] Extinction E(B-V): Milky Way Diffuse (Rv=3.1) = 0.05 applied before normalization Normalization: Renormalized to abmag = 19.8932 in filter Galex/FUV Redshift: z=1.46385									



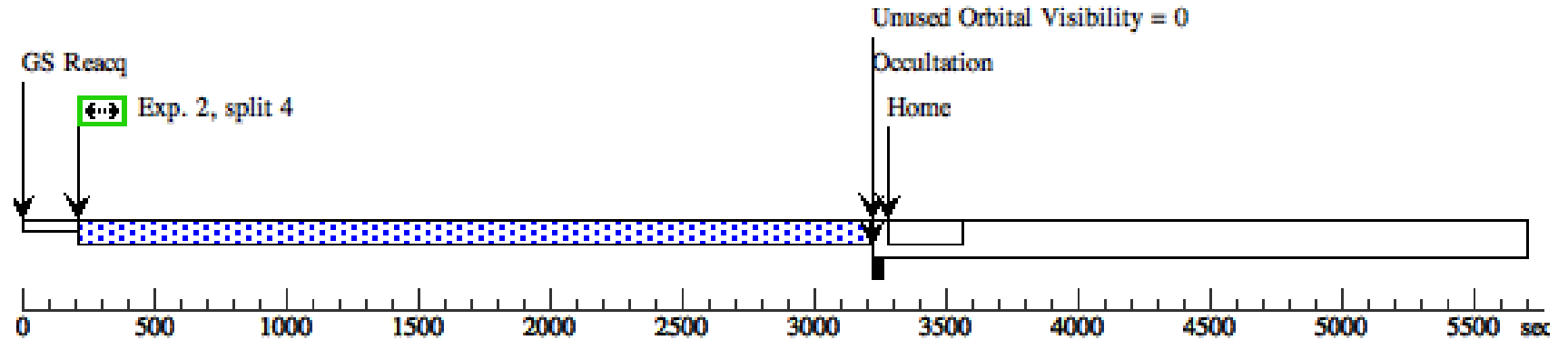
### Orbit 3

Server Version: 20160601



### Orbit 4

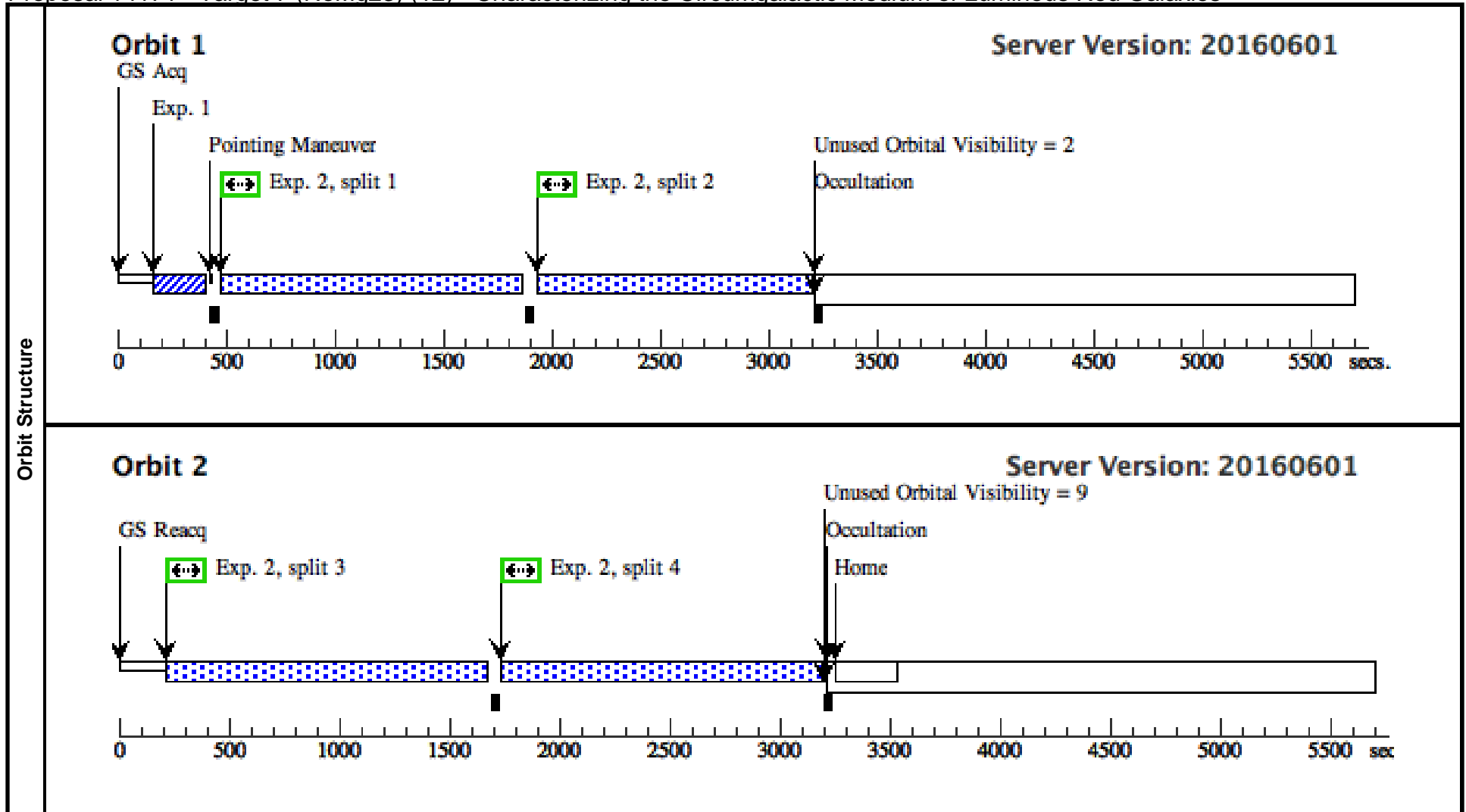
Server Version: 20160601



Proposal 14171 - Target 7 (NoMg23) (12) - Characterizing the Circumgalactic Medium of Luminous Red Galaxies

Fri Jul 29 17:09:31 GMT 2016

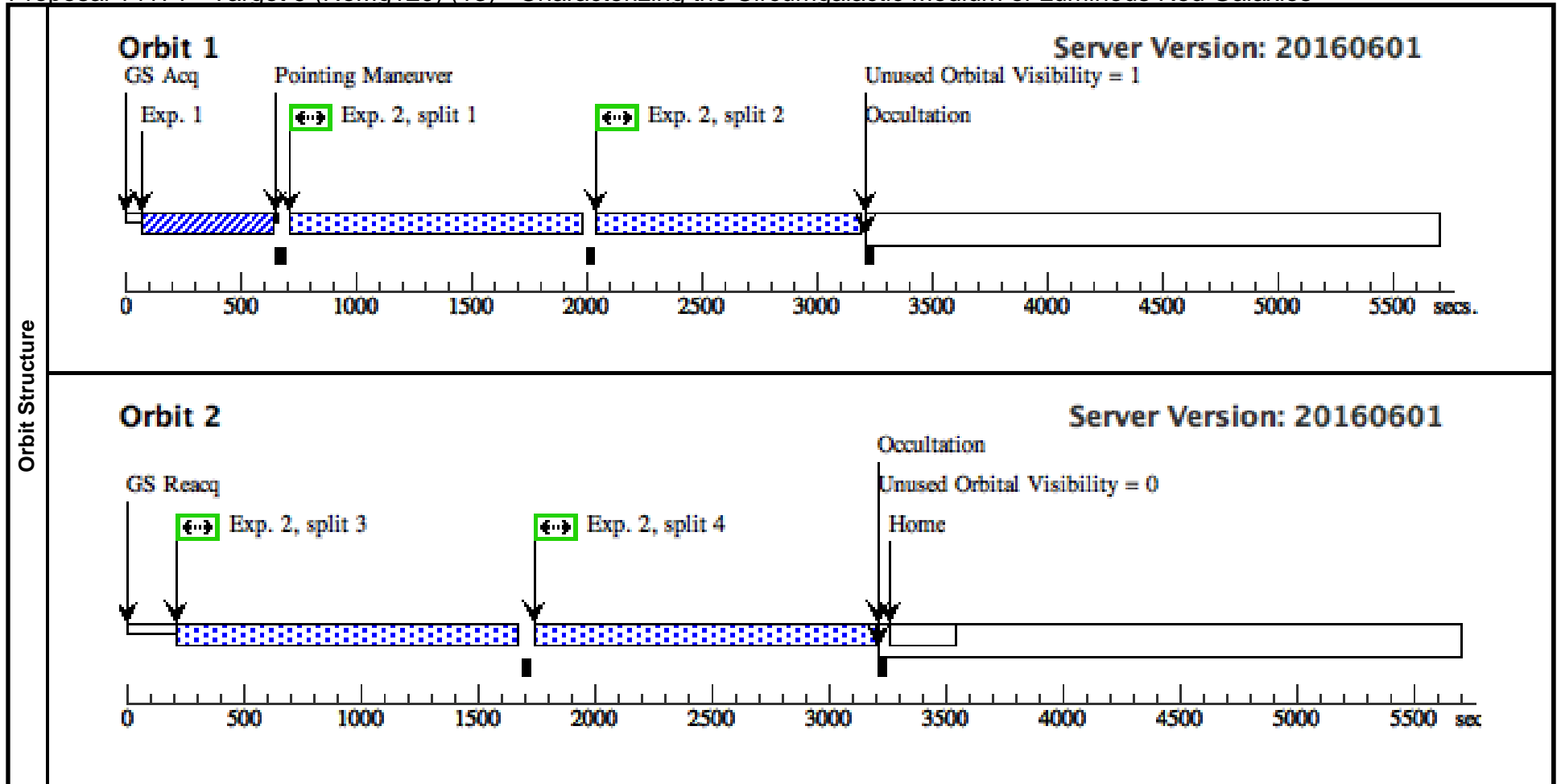
Visit	<b>Proposal 14171, Target 7 (NoMg23) (12), completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(7)	GALEX-J123744.6+110658	RA: 12 37 44.5838 (189.4357658d) Dec: +11 06 58.40 (11.11622d) Equinox: J2000		V=17.67+/-0.2	Reference Frame: ICRS				
	<i>Comments: This object was generated by the targetselector and retrieved from the GALEX database.</i> Extended=NO									
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(COS.im.72 7737)	(7) GALEX-J123744.6+110658	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				7.2 Secs (7.2 Secs) [==>]	[1]
	<i>Comments: Target: [point source]</i> Spectrum: Non-stellar Objects QSO (FOS based) [100, 3387 Ang z=0] Extinction E(B-V): Milky Way Diffuse (Rv=3.1) = 0.03 applied before normalization Normalization: Renormalized to abmag = 17.9309 in filter Galex/NUV Redshift: z=0.946542									
2	(COS.sp.720 695)	(7) GALEX-J123744.6+110658	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=8000; FP-POS=ALL			1200 Secs (5242 Secs) [==>1217.0 Secs (Split 1)] [==>1217.0 Secs (Split 2)] [==>1404.0 Secs (Split 3)] [==>1404.0 Secs (Split 4)]	[1] [2]	
	<i>Comments: Target: [point source]</i> Spectrum: Non-stellar Objects QSO (FOS based) [100, 3387 Ang z=0] Extinction E(B-V): Milky Way Diffuse (Rv=3.1) = 0.05 applied before normalization Normalization: Renormalized to abmag = 18.9855 in filter Galex/FUV Redshift: z=0.946542									



Proposal 14171 - Target 9 (NoMg120) (13) - Characterizing the Circumgalactic Medium of Luminous Red Galaxies

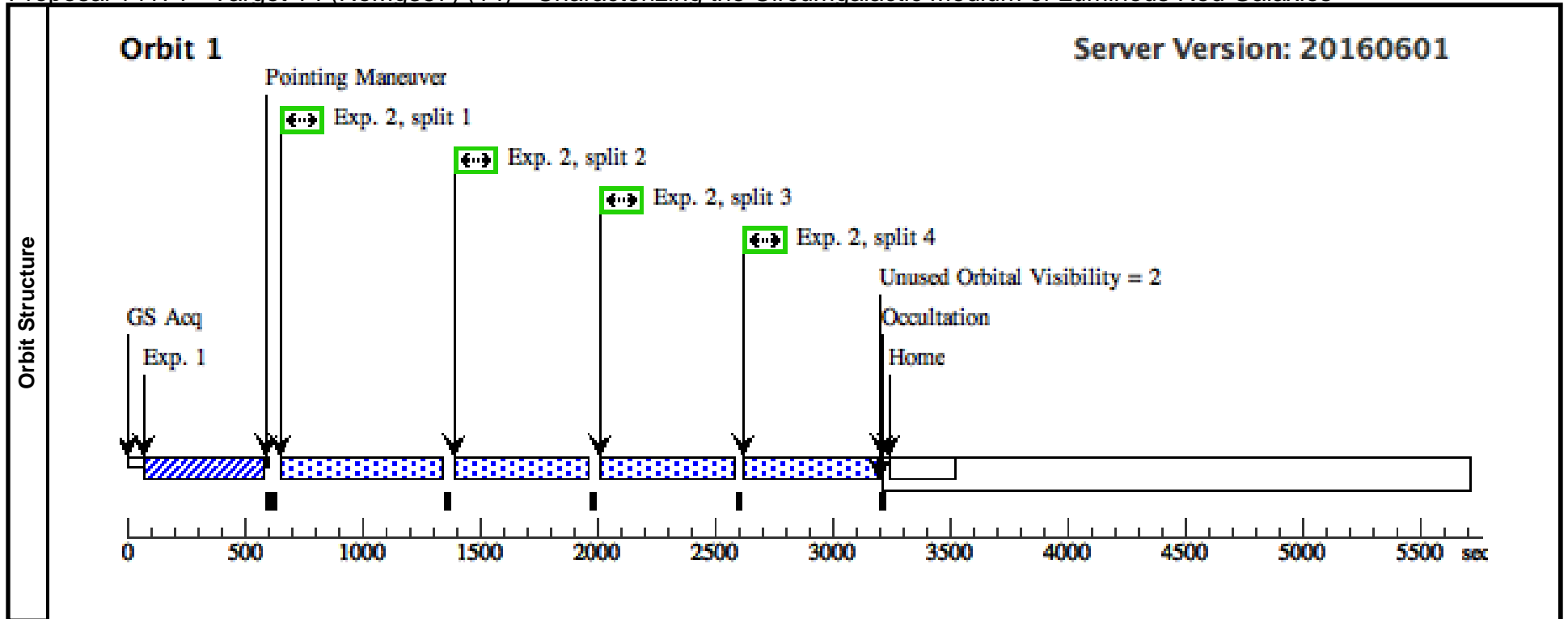
Fri Jul 29 17:09:31 GMT 2016

Visit	<b>Proposal 14171, Target 9 (NoMg120) (13), scheduled</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(9)	GALEX-J154956.9+070045	RA: 15 49 56.8491 (237.4868713d) Dec: +07 00 44.70 (7.01242d) Equinox: J2000		V=17.02+/-0.2	Reference Frame: ICRS				
	<i>Comments: This object was generated by the targetselector and retrieved from the GALEX database.</i> Extended=NO									
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(COS.im.72 7788)	(9) GALEX-J154956.9+070045	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				126 Secs (126 Secs) [==>]	[1]
	<i>Comments: Target: [point source]</i> Spectrum: Non-stellar Objects QSO (FOS based) [100, 3387 Ang z=0] Extinction E(B-V): Milky Way Diffuse (Rv=3.1) = 0.03 applied before normalization Normalization: Renormalized to abmag = 17.7664 in filter Galex/NUV Redshift: z=0.798396									
2	(COS.sp.720 706)	(9) GALEX-J154956.9+070045	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=8000; FP-POS=ALL			1200 Secs (5006 Secs) [==>1097.0 Secs (Split 1)] [==>1097.0 Secs (Split 2)] [==>1406.0 Secs (Split 3)] [==>1406.0 Secs (Split 4)]	[1] [2]	
	<i>Comments: Target: [point source]</i> Spectrum: Non-stellar Objects QSO (FOS based) [100, 3387 Ang z=0] Extinction E(B-V): Milky Way Diffuse (Rv=3.1) = 0.05 applied before normalization Normalization: Renormalized to abmag = 19.3295 in filter Galex/FUV Redshift: z=0.798396									



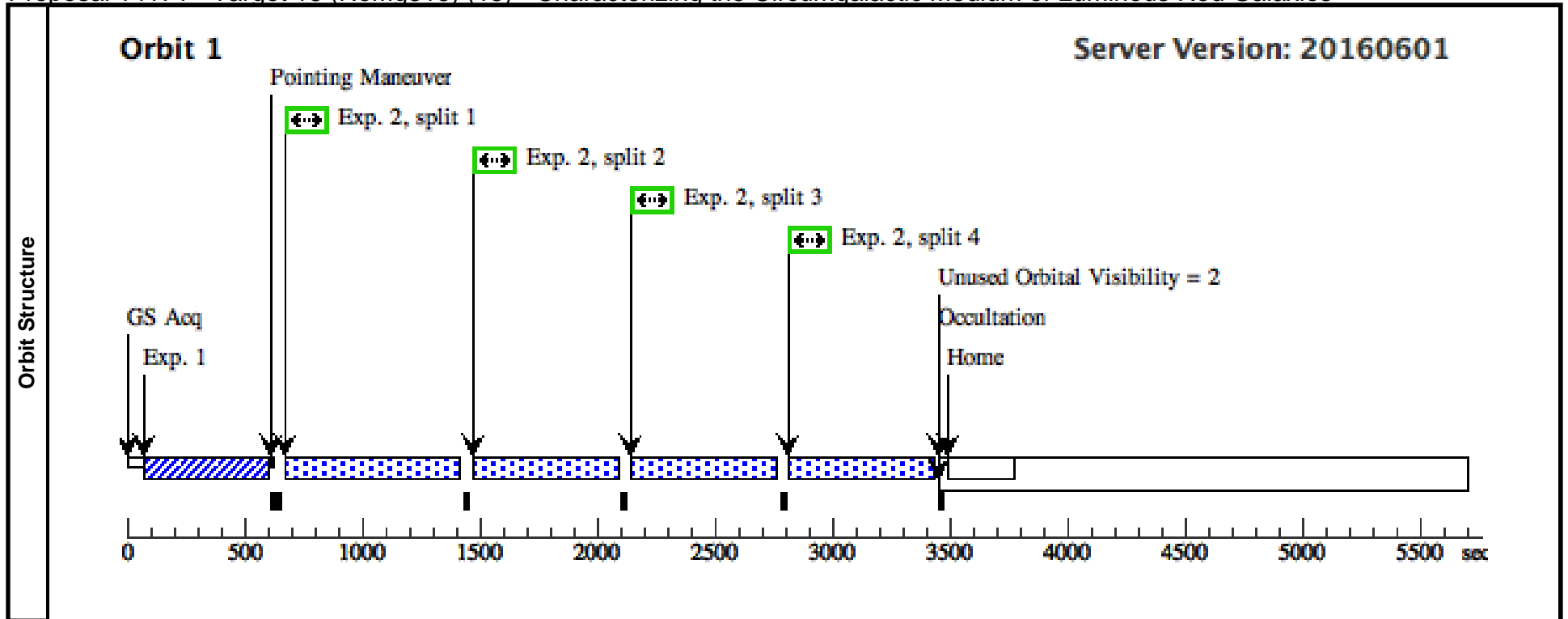
Proposal 14171 - Target 14 (NoMg357) (14) - Characterizing the Circumgalactic Medium of Luminous Red Galaxies

<b>Visit</b>	Proposal 14171, Target 14 (NoMg357) (14), completed <span style="float: right;">Fri Jul 29 17:09:31 GMT 2016</span> Diagnostic Status: No Diagnostics Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none)									
	<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
(14)		GALEX-J022614.4+001530	RA: 02 26 14.4615 (36.5602563d) Dec: +00 15 30.01 (.25834d) Equinox: J2000		V=17.14+/-0.2	Reference Frame: ICRS				
	Comments: This object was generated by the targetselector and retrieved from the GALEX database. Extended=NO									
<b>Exposures</b>	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(COS.im.72 7750)	(14) GALEX-J02261 4.4+001530	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				95 Secs (95 Secs)	
	Comments: Target: [point source] Spectrum: Non-stellar Objects QSO (FOS based) [100, 3387 Ang z=0] Extinction E(B-V): Milky Way Diffuse (Rv=3.1) = 0.03 applied before normalization Normalization: Renormalized to abmag = 17.474 in filter Galex/NUV Redshift: z=0.615606									[1]
2	(COS.sp.720 713)	(14) GALEX-J02261 4.4+001530	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=6000; FP-POS=ALL				600 Secs (2052 Secs)	
Comments: Target: [point source] Spectrum: Non-stellar Objects QSO (FOS based) [100, 3387 Ang z=0] Extinction E(B-V): Milky Way Diffuse (Rv=3.1) = 0.05 applied before normalization Normalization: Renormalized to abmag = 17.913 in filter Galex/FUV Redshift: z=0.615606									[1]	



Proposal 14171 - Target 15 (NoMg315) (15) - Characterizing the Circumgalactic Medium of Luminous Red Galaxies

<b>Visit</b>	Proposal 14171, Target 15 (NoMg315) (15), completed <span style="float: right;">Fri Jul 29 17:09:31 GMT 2016</span> Diagnostic Status: No Diagnostics Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none)									
	<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
(15)		GALEX-J085557.1+561535	RA: 08 55 57.1515 (133.9881312d) Dec: +56 15 35.10 (56.25975d) Equinox: J2000		V=16.80+/-0.2	Reference Frame: ICRS				
	Comments: This object was generated by the targetselector and retrieved from the GALEX database. Extended=NO									
<b>Exposures</b>	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(COS.im.72 7752)	(15) GALEX-J085557.1+561535	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				106 Secs (106 Secs)	
	Comments: Target: [point source] Spectrum: Non-stellar Objects QSO (FOS based) [100, 3387 Ang z=0] Extinction E(B-V): Milky Way Diffuse (Rv=3.1) = 0.03 applied before normalization Normalization: Renormalized to abmag = 17.569 in filter Galex/NUV Redshift: z=0.717006									[1]
2	(COS.sp.720 714)	(15) GALEX-J085557.1+561535	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=7000; FP-POS=ALL				600 Secs (2276 Secs)	
Comments: Target: [point source] Spectrum: Non-stellar Objects QSO (FOS based) [100, 3387 Ang z=0] Extinction E(B-V): Milky Way Diffuse (Rv=3.1) = 0.05 applied before normalization Normalization: Renormalized to abmag = 18.5418 in filter Galex/FUV Redshift: z=0.717006									[1]	



Proposal 14171 - Target 4.b (MgII225) (16) - Characterizing the Circumgalactic Medium of Luminous Red Galaxies

Fri Jul 29 17:09:31 GMT 2016

Visit	<b>Proposal 14171, Target 4.b (MgII225) (16), implementation</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(4)	GALEX-J152013.9+253437	RA: 15 20 13.9945 (230.0583104d) Dec: +25 34 37.96 (25.57721d) Equinox: J2000		V=18.03+/-0.2	Reference Frame: ICRS				
	<i>Comments: This object was generated by the targetselector and retrieved from the GALEX database.</i> Extended=NO									
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(COS.im.727733)	(4) GALEX-J152013.9+253437	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				15.7 Secs (15.7 Secs) [==>]	[1]
	<i>Comments: Target: [point source]</i> Spectrum: Non-stellar Objects QSO (FOS based) [100, 3387 Ang z=0] Extinction E(B-V): Milky Way Diffuse (Rv=3.1) = 0.03 applied before normalization Normalization: Renormalized to abmag = 18.8854 in filter Galex/NUV Redshift: z=1.46385									
2	(COS.sp.720710)	(4) GALEX-J152013.9+253437	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=9000; FP-POS=ALL			600 Secs (2228 Secs) [==>557.0 Secs (Split 1)] [==>557.0 Secs (Split 2)] [==>557.0 Secs (Split 3)] [==>557.0 Secs (Split 4)]	[1]	
	<i>Comments: Target: [point source]</i> Spectrum: Non-stellar Objects QSO (FOS based) [100, 3387 Ang z=0] Extinction E(B-V): Milky Way Diffuse (Rv=3.1) = 0.05 applied before normalization Normalization: Renormalized to abmag = 19.8932 in filter Galex/FUV Redshift: z=1.46385									

