11585 - Tracing the distribution of gas and galaxies using three closely-spaced background QSOs

Cycle: 17, Proposal Category: GO

(Availability Mode: SUPPORTED)

INVESTIGATORS

Name	*Institution*	*E-Mail*
Dr. Neil H. Crighton (PI)	**University of Durham**	
Prof. Simon L. Morris (CoI) (Contact)	University of Durham	
Dr. Buell T. Jannuzi (CoI)	National Optical Astronomy Observatories, AURA	
Prof. Jill Bechtold (CoI)	University of Arizona	
Dr. Tom Theuns (CoI)	University of Durham	
Dr. Joop Schaye (CoI)	Universiteit Leiden	
Prof. Romeel Dave (CoI)	University of Arizona	
Dr. Craig B. Foltz (CoI)	National Science Foundation	
Mr. Allen Shone (CoI)	University of Durham	
Prof. Robert F. Carswell (CoI)	University of Cambridge	

VISITS

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
01	(1) LBQS-0107-0235	COS/FUV COS/NUV	5	25-Jan-2010 21:03:58.0	yes
02	(1) LBQS-0107-0235	COS/FUV COS/NUV	5	25-Jan-2010 21:04:06.0	yes

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
03	(1) LBQS-0107-0235	COS/FUV COS/NUV	4	25-Jan-2010 21:04:12.0	yes
04	(1) LBQS-0107-0235	COS/FUV COS/NUV	4	25-Jan-2010 21:04:18.0	yes
05	(1) LBQS-0107-0235	COS/FUV COS/NUV	4	25-Jan-2010 21:04:23.0	yes
06	(1) LBQS-0107-0235	COS/FUV COS/NUV	4	25-Jan-2010 21:04:27.0	yes
07	(2) HB89-0107-025-NED05	COS/FUV COS/NUV	4	25-Jan-2010 21:04:33.0	yes
08	(2) HB89-0107-025-NED05	COS/FUV COS/NUV	4	25-Jan-2010 21:04:37.0	yes
09	(2) HB89-0107-025-NED05	COS/FUV COS/NUV	4	25-Jan-2010 21:04:41.0	yes
10	(2) HB89-0107-025-NED05	COS/FUV COS/NUV	4	25-Jan-2010 21:04:46.0	yes
11	(3) LBQS-0107-0232	COS/FUV COS/NUV	5	25-Jan-2010 21:04:50.0	yes
12	(3) LBQS-0107-0232	COS/FUV COS/NUV	5	25-Jan-2010 21:04:55.0	yes
13	(3) LBQS-0107-0232	COS/FUV COS/NUV	5	25-Jan-2010 21:05:03.0	yes
14	(3) LBQS-0107-0232	COS/FUV COS/NUV	5	25-Jan-2010 21:05:09.0	yes

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
15	(3) LBQS-0107-0232	COS/FUV COS/NUV	5	25-Jan-2010 21:05:14.0	yes
16	(3) LBQS-0107-0232	COS/FUV COS/NUV	5	25-Jan-2010 21:05:19.0	yes

72 Total Orbits Used

ABSTRACT

The distribution of the gaseous intergalactic medium (IGM) around galaxies is fundamentally important to our understanding of galaxy evolution. Simulations suggest that 'feedback' - the return of gas and radiation to the IGM via active galactic nuclei or star-formation-driven winds - is an important part of galaxy formation and a possible way to enrich the IGM with metals. We propose to use COS to observe the IGM towards the brightest known group of three QSOs (z=0.96, 0.96 and 0.73) separated by a few arcminutes on the sky. Using far-UV spectra of the Lyman-alpha forest region at resolutions > 20000, we will detect both the cooler photo-ionized IGM at ~10,000K using narrow HI absorbers, and the warm-hot intergalactic medium (WHIM) at ~100,000 K using OVI and broad HI absorbers over a redshift range of $0 < z < 0.48$ (HI) and $0.17 < z < 0.73$ (OVI). The immediate objective is to compare the distribution of the WHIM and cooler IGM to the distribution of galaxies in the same field over redshifts from 0 to 0.6, and scales from ~100 kpc to ~1 Mpc. In particular we will look for signs of feedback, such as metal-enriched WHIM gas close to galaxies. The three sight-lines with separations of ~400 kpc to ~1 Mpc will allow us to constrain the size and geometry of gas overdensities in the IGM, which is not possible with only one or two QSO sight-lines. The QSO separations are ideally suited for this purpose, as they are comparable to the expected size of IGM gas clouds. Using state-of-the-art hydrodynamical simulations, which include gas cooling inflows, outflows, feedback, and the introduction of gas and metals in the IGM, we will construct mock spectra and galaxy distributions to compare with the observations. Taken together, our new HST observations, ground-based galaxy redshift survey, and simulations will enable us to investigate the nature and extent of the connection between the IGM and galaxies.

OBSERVING DESCRIPTION

We will observe the brightest known triplet of QSOs of order ~1 arcminute separations. The three QSOs are:

Name	RA J2000	Dec J2000	Mag	zqso	fluxUV (erg/s/cm2/?)
A Q0107-025A	01:10:13.1	-02:19:52.0	B=18.1	0.960	0.7 ? 10-15 @ 1400 ?
B Q0107-025B	01:10:16.2	-02:18:50.0	B=17.4	0.956	1.2 ? 10-15 @ 1400 ?
C Q0107-0232	01:10:14.5	-02:16:57.5	V=18.4	0.726	0.3 ? 10-15 @ 1700 ?

Using four wavelength settings for each QSO (two for each grating), we will obtain complete wavelength coverage over the range 1175 - 1795?, corresponding to $z < 0.48$ for HI Ly-, and $0.14 < z < 0.73$ for the OVI doublet.

We will observe each QSO to a S/N of ~10 per 0.06 ? resolution element. S/N ~10 is desirable as our experience analysing existing STIS echelle spectra suggests that at S/N < ~5 it becomes difficult to independently constrain the line width and column density. We have generated a set of Voigt profiles with known column density (N) and b parameter, degraded them to the same resolution as real COS spectra for a range of S/N, and fitted them with the Voigt-profile fitting program VPFIT to see if we can recover the input b and N. This process confirmed that S/N = 5 per resolution element is too low to reliably recover the input parameters, and that S/N = 10 is adequate for recovering line parameters for a range of input values. We note the analyses of the low-redshift forest described in Lehner et al. (2007) were performed on high-resolution STIS spectra with S/N ~10, also showing this value is high enough to separately constrain b and N.

We use the following formula to determine the 4 equivalent width (EW) detection limit as a function of the S/N per resolution element and resolution element width in ?:

4 limiting EW (?) = 4 * (res. element width (?)) / (S/N per res. element)

This gives a 4 limiting rest EW of 24 m? at S/N=10 for our observations. We note that there is a strong Ly-a at z=0.577 in the near-UV C spectrum that also shows strong associated SiII, SiIII, CII and OI. Thus is it likely this is a high-column density Lyman limit system. The Lyman limit from this system will fall at ~1420 Angstroms, and will only affect Ly- lines at $z < 0.17$ in this sight-line. Due to the presence of this LLS, we have chosen not to observe QSO C with any G130M grating wavelength settings, which mostly cover wavelengths <1400 Angstroms.

For each grating we will use two central wavelengths settings: 1291 & 1318 for G130M, and 1589 & 1623 for G160M with 4 FP-POS settings. These provide complete wavelength coverage from 1140? to 1799?, with overlap from at least two gratings between 1175? and 1760? (apart from four ~20? gaps, corresponding to the midpoints of each wavelength setting, where only one grating covers the region).

Visit

Proposal 11585, Visit 01, implementation Tue Jan 26 02:05:23 GMT 2010

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Comments: A G130M 1291 5orbit

Fixed Targets

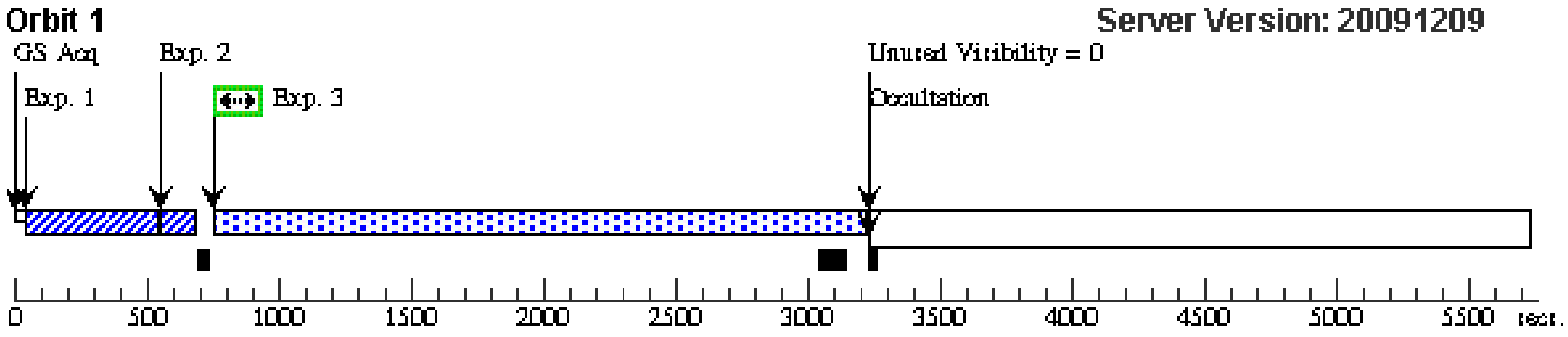
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	LBQS-0107-0235 Alt Name1: LBQS-0107-025A Alt Name2: S03W004206	RA: 01 10 13.1400 (17.5547500d) Dec: -02 19 52.90 (-2.33136d) Equinox: J2000		V=17.6+/-0.5 0.7 * 10^(-15) erg/s/cm2/Ang at 1400 Angstroms, GALEX fluxes: 210/64 microjan skies in NUV/FUV	Reference Frame: ICRS

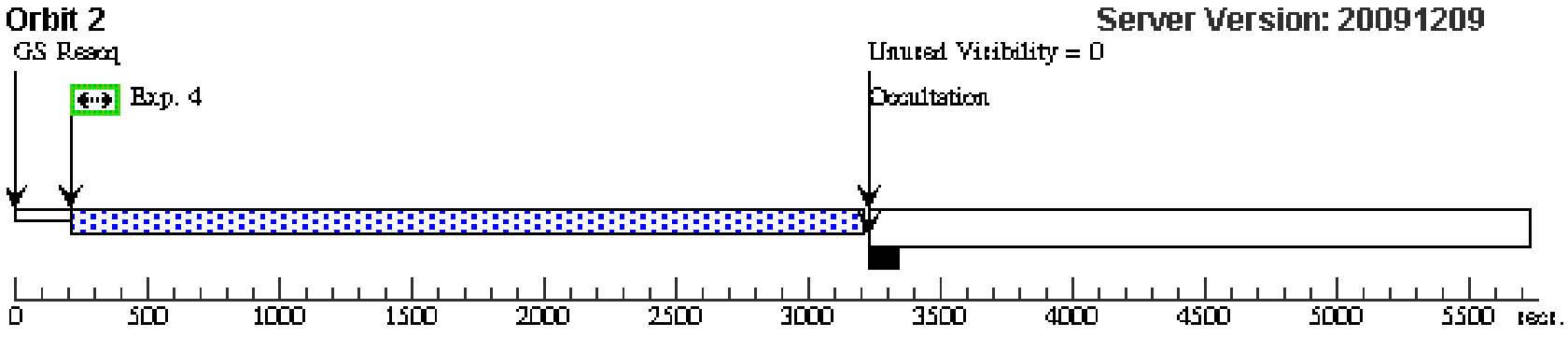
Comments: This object was generated by the targetselector and retrieved from the NED database. Coordinates are from GSC2.3.

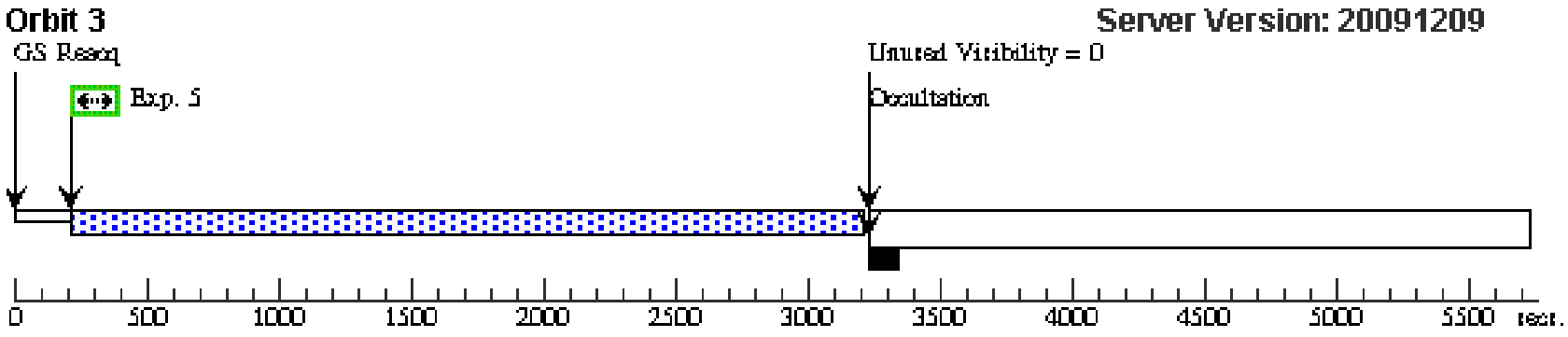
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	A G130M-1291 search	(1) LBQS-0107-025	COS/NUV, ACQ/SEARCH, PSA	MIRRORA	SCAN-SIZE=2			15.0 Secs *[==>]*	***[1]***
2	A G130M-1291 image	(1) LBQS-0107-025	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				15.0 Secs *[==>]*	***[1]***
3	A G130M-1291 science	(1) LBQS-0107-025	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=2150; FP-POS=1			1800.0 Secs *[==>2308.0 Secs]*	***[1]***
4	A G130M-1291 science	(1) LBQS-0107-025	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=2900; FP-POS=2			1800.0 Secs *[==>2948.0 Secs]*	***[2]***
5	A G130M-1291 science	(1) LBQS-0107-025	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=2900; FP-POS=3			1800.0 Secs *[==>2948.0 Secs]*	***[3]***
6	A G130M-1291 science	(1) LBQS-0107-025	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=2900; FP-POS=4			1800.0 Secs *[==>2948.0 Secs]*	***[4]***
7	A G130M-1291 science	(1) LBQS-0107-025	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=2900; FP-POS=1			1800.0 Secs *[==>2948.0 Secs]*	***[5]***

Orbit Structure



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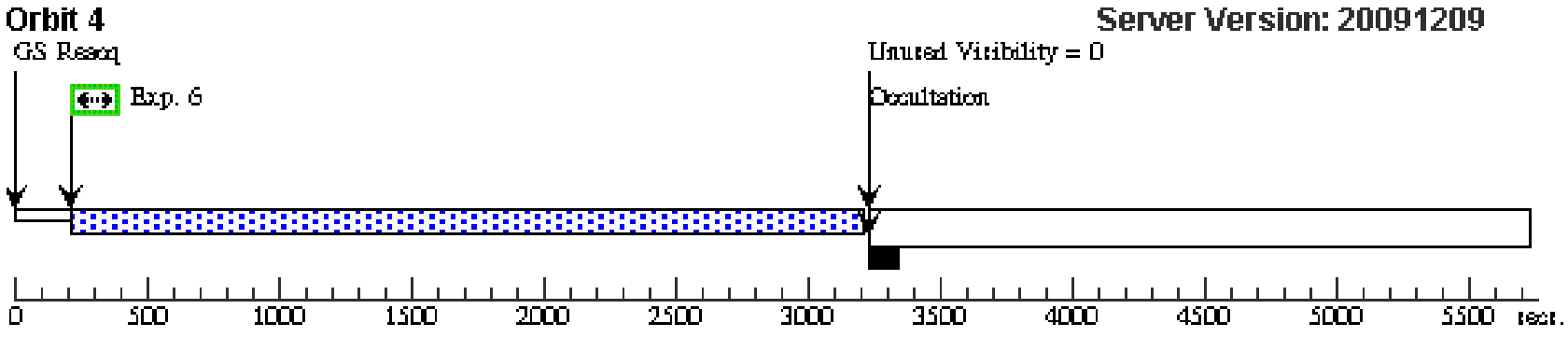
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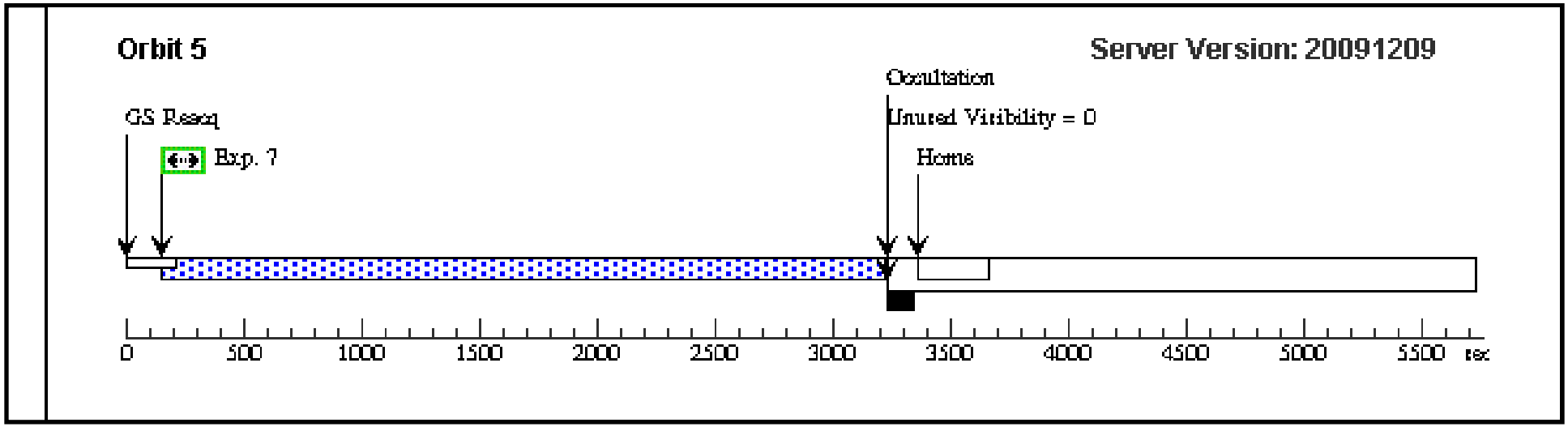
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Visit

Proposal 11585, Visit 02, implementation Tue Jan 26 02:05:24 GMT 2010

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Comments: A G130M 1318 5orbit

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	LBQS-0107-0235 Alt Name1: LBQS-0107-025A Alt Name2: S03W004206	RA: 01 10 13.1400 (17.5547500d) Dec: -02 19 52.90 (-2.33136d) Equinox: J2000		V=17.6+/-0.5 0.7 * 10^(-15) erg/s/cm2/Ang at 1400 Angstroms, GALEX fluxes: 210/64 microjan skies in NUV/FUV	Reference Frame: ICRS

Comments: This object was generated by the targetselector and retrieved from the NED database. Coordinates are from GSC2.3.

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	A G130M-1318 search	(1) LBQS-0107-025	COS/NUV, ACQ/SEARCH, PSA	MIRRORA	SCAN-SIZE=2			15.0 Secs *[==>]*	***[1]***
2	A G130M-1318 image	(1) LBQS-0107-025	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				15.0 Secs *[==>]*	***[1]***
3	A G130M-1318 science	(1) LBQS-0107-025	COS/FUV, TIME-TAG, PSA	G130M 1318 A	BUFFER-TIME=2150; FP-POS=1			1800.0 Secs *[==>2308.0 Secs]*	***[1]***
4	A G130M-1318 science	(1) LBQS-0107-025	COS/FUV, TIME-TAG, PSA	G130M 1318 A	BUFFER-TIME=2900; FP-POS=2			1800.0 Secs *[==>2948.0 Secs]*	***[2]***
5	A G130M-1318 science	(1) LBQS-0107-025	COS/FUV, TIME-TAG, PSA	G130M 1318 A	BUFFER-TIME=2900; FP-POS=3			1800.0 Secs *[==>2948.0 Secs]*	***[3]***
6	A G130M-1318 science	(1) LBQS-0107-025	COS/FUV, TIME-TAG, PSA	G130M 1318 A	BUFFER-TIME=2900; FP-POS=4			1800.0 Secs *[==>2948.0 Secs]*	***[4]***
7	A G130M-1318 science	(1) LBQS-0107-025	COS/FUV, TIME-TAG, PSA	G130M 1318 A	BUFFER-TIME=2900; FP-POS=1			1800.0 Secs *[==>2948.0 Secs]*	***[5]***

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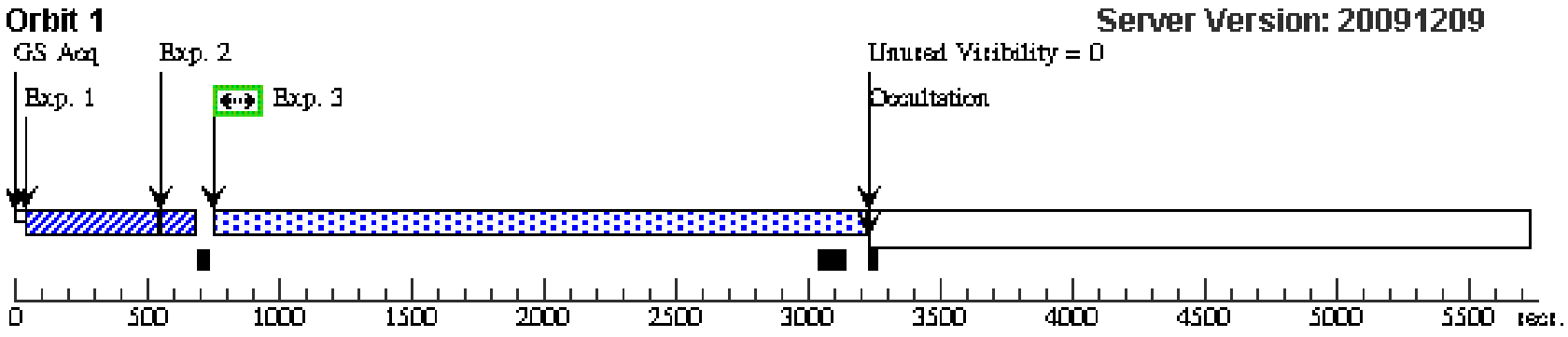

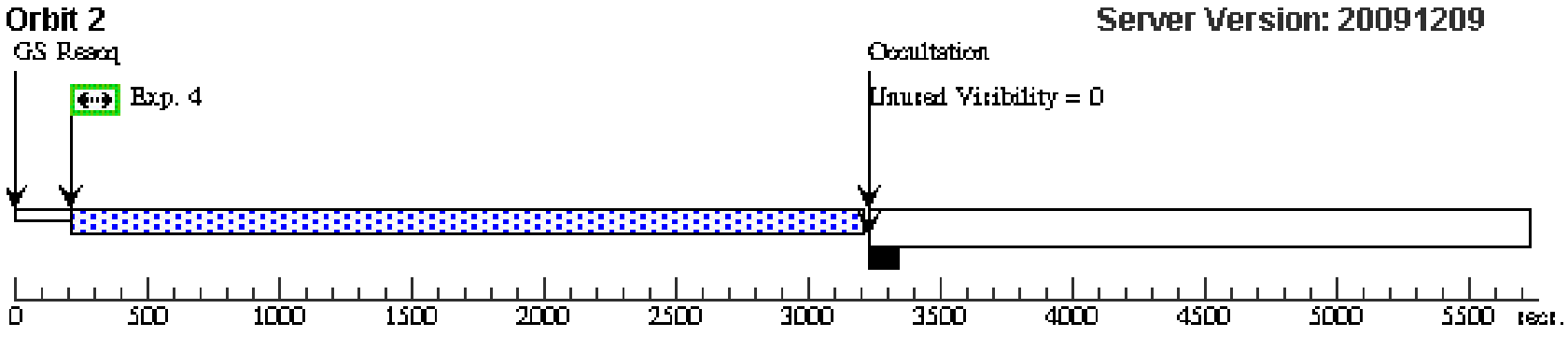

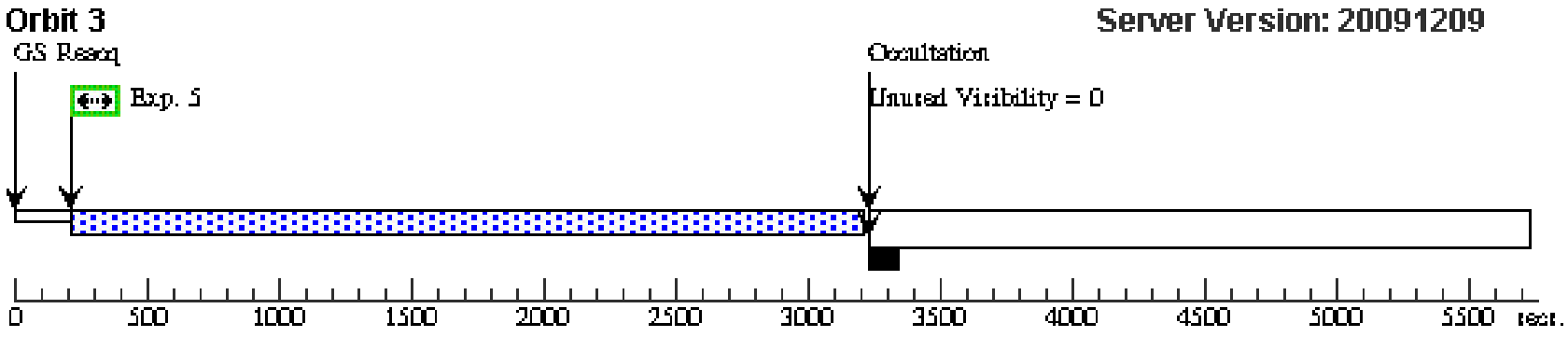
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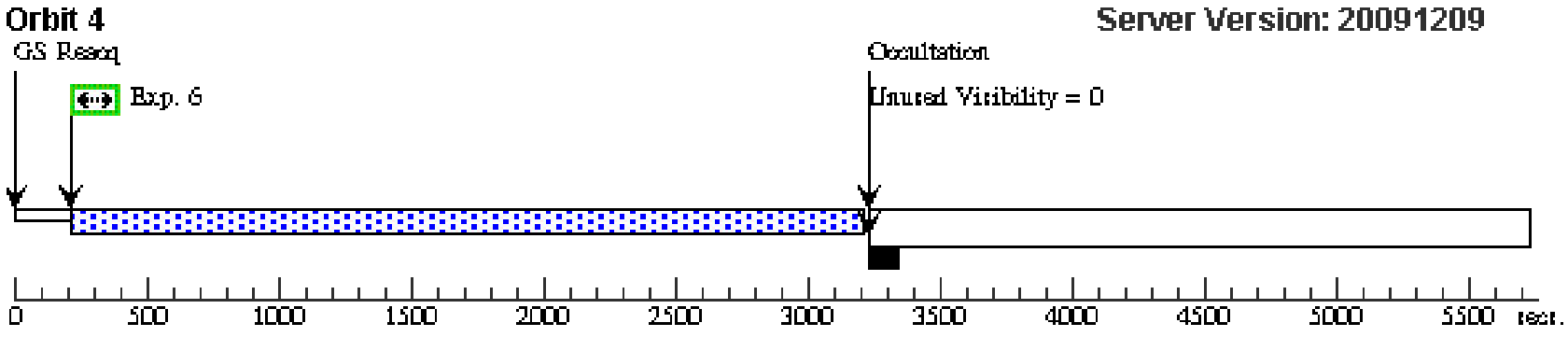
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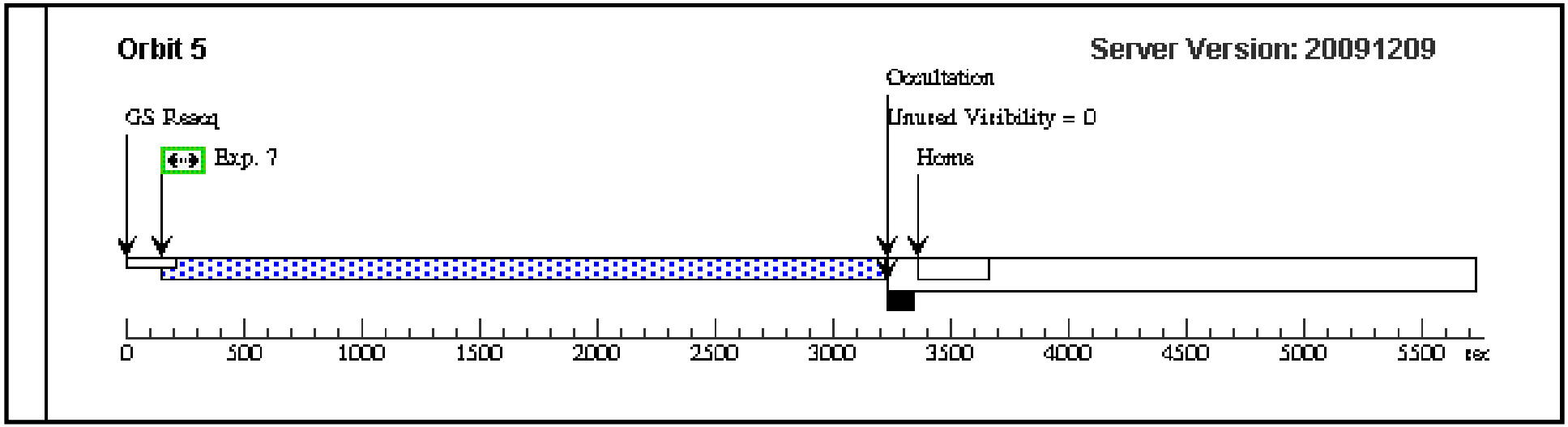
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Visit

Proposal 11585, Visit 03, implementation Tue Jan 26 02:05:25 GMT 2010

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Comments: A G160M 1589 4orbit I

Fixed Targets

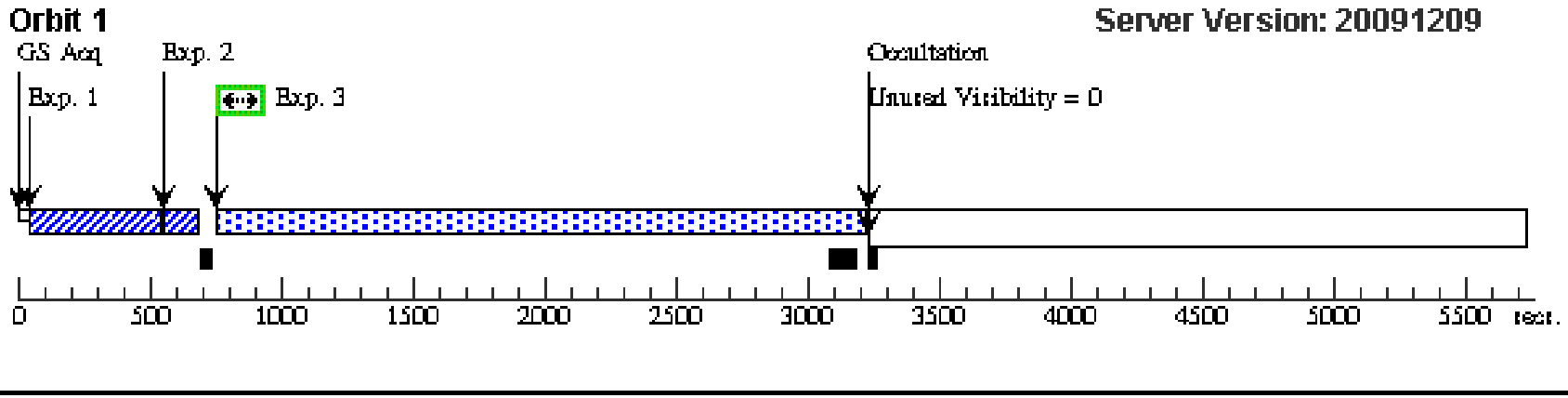
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	LBQS-0107-0235 Alt Name1: LBQS-0107-025A Alt Name2: S03W004206	RA: 01 10 13.1400 (17.5547500d) Dec: -02 19 52.90 (-2.33136d) Equinox: J2000		V=17.6+/-0.5 0.7 * 10^(-15) erg/s/cm2/Ang at 1400 Angstroms, GALEX fluxes: 210/64 microjan skies in NUV/FUV	Reference Frame: ICRS

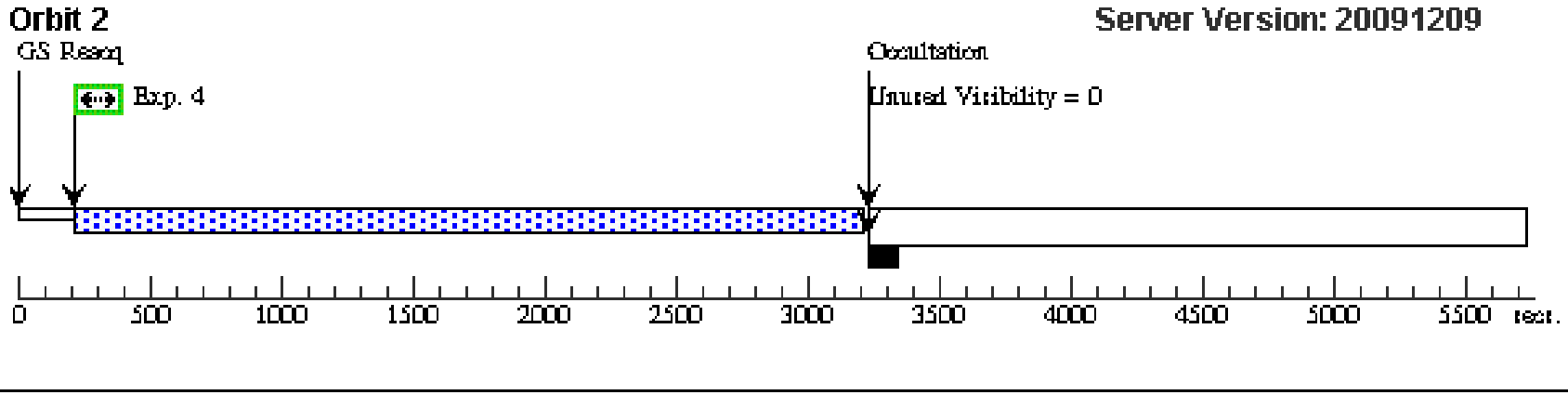
Comments: This object was generated by the targetselector and retrieved from the NED database. Coordinates are from GSC2.3.

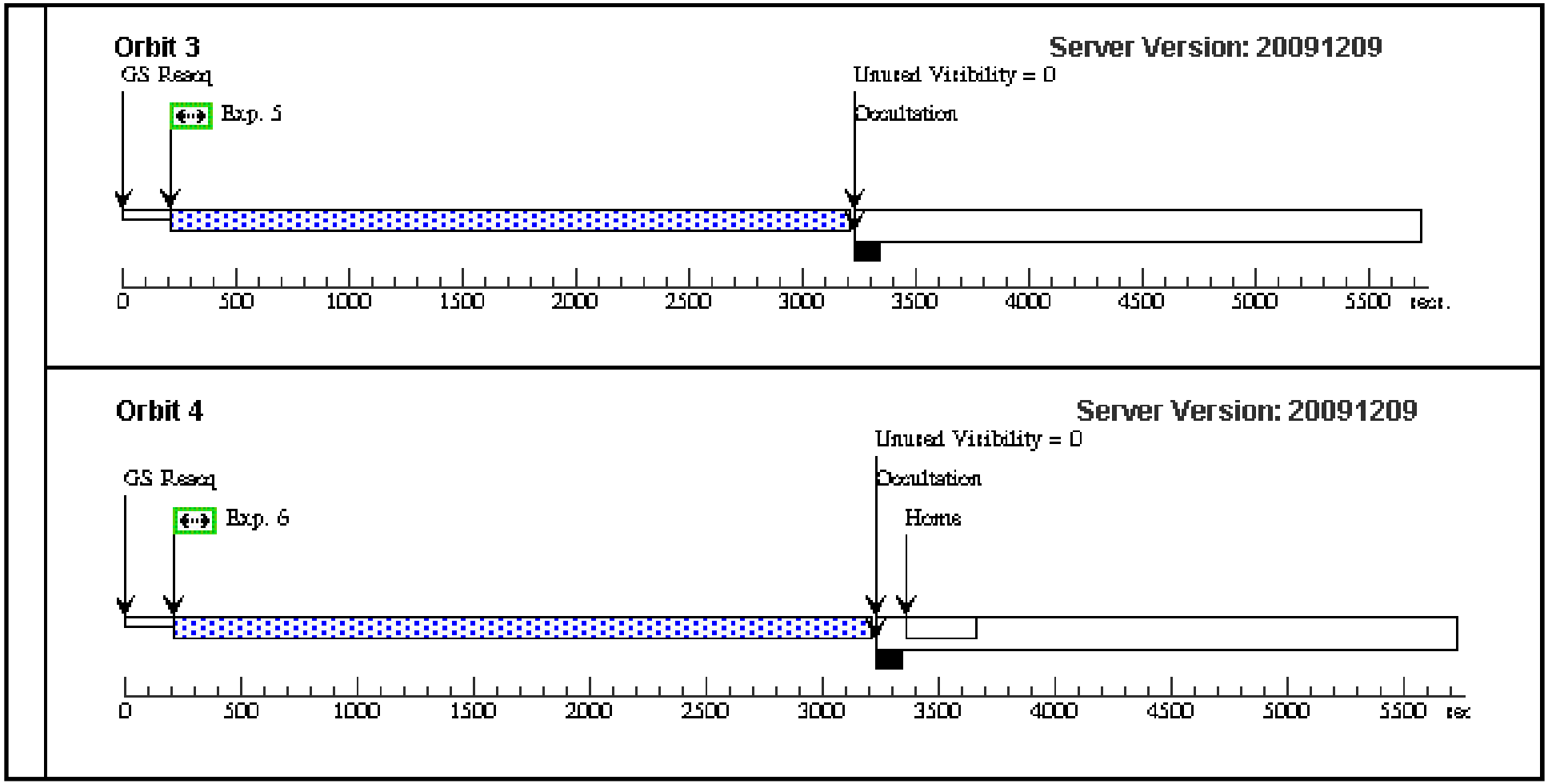
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	A G160M-1589 search	(1) LBQS-0107-025	COS/NUV, ACQ/SEARCH, PSA	MIRRORA	SCAN-SIZE=2			15.0 Secs *[==>]*	***[1]***
2	A G160M-1589 image	(1) LBQS-0107-025	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				15.0 Secs *[==>]*	***[1]***
3	A G160M-1589 science	(1) LBQS-0107-025	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=2150; FP-POS=1			1800.0 Secs *[==>2263.0 Secs]*	***[1]***
4	A G160M-1589 science	(1) LBQS-0107-025	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=2900; FP-POS=2			1800.0 Secs *[==>2948.0 Secs]*	***[2]***
5	A G160M-1589 science	(1) LBQS-0107-025	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=2900; FP-POS=3			1800.0 Secs *[==>2948.0 Secs]*	***[3]***
6	A G160M-1589 science	(1) LBQS-0107-025	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=2900; FP-POS=4			1800.0 Secs *[==>2948.0 Secs]*	***[4]***

Orbit Structure



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Visit

Proposal 11585, Visit 04, implementation Tue Jan 26 02:05:26 GMT 2010

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Comments: A G160M 1589 4orbit II

Fixed Targets

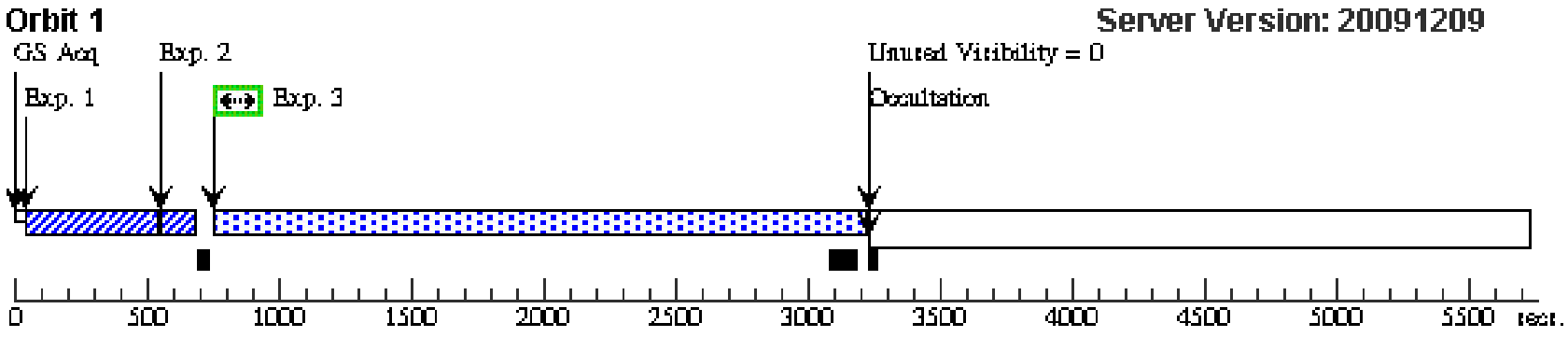
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	LBQS-0107-0235 Alt Name1: LBQS-0107-025A Alt Name2: S03W004206	RA: 01 10 13.1400 (17.5547500d) Dec: -02 19 52.90 (-2.33136d) Equinox: J2000		V=17.6+/-0.5 0.7 * 10^(-15) erg/s/cm2/Ang at 1400 Angstroms, GALEX fluxes: 210/64 microjan skies in NUV/FUV	Reference Frame: ICRS

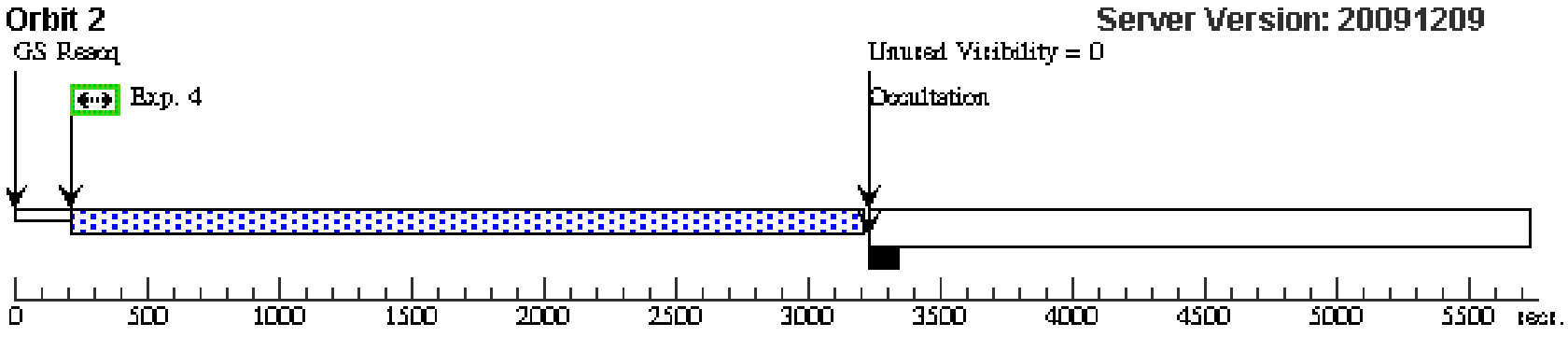
Comments: This object was generated by the targetselector and retrieved from the NED database. Coordinates are from GSC2.3.

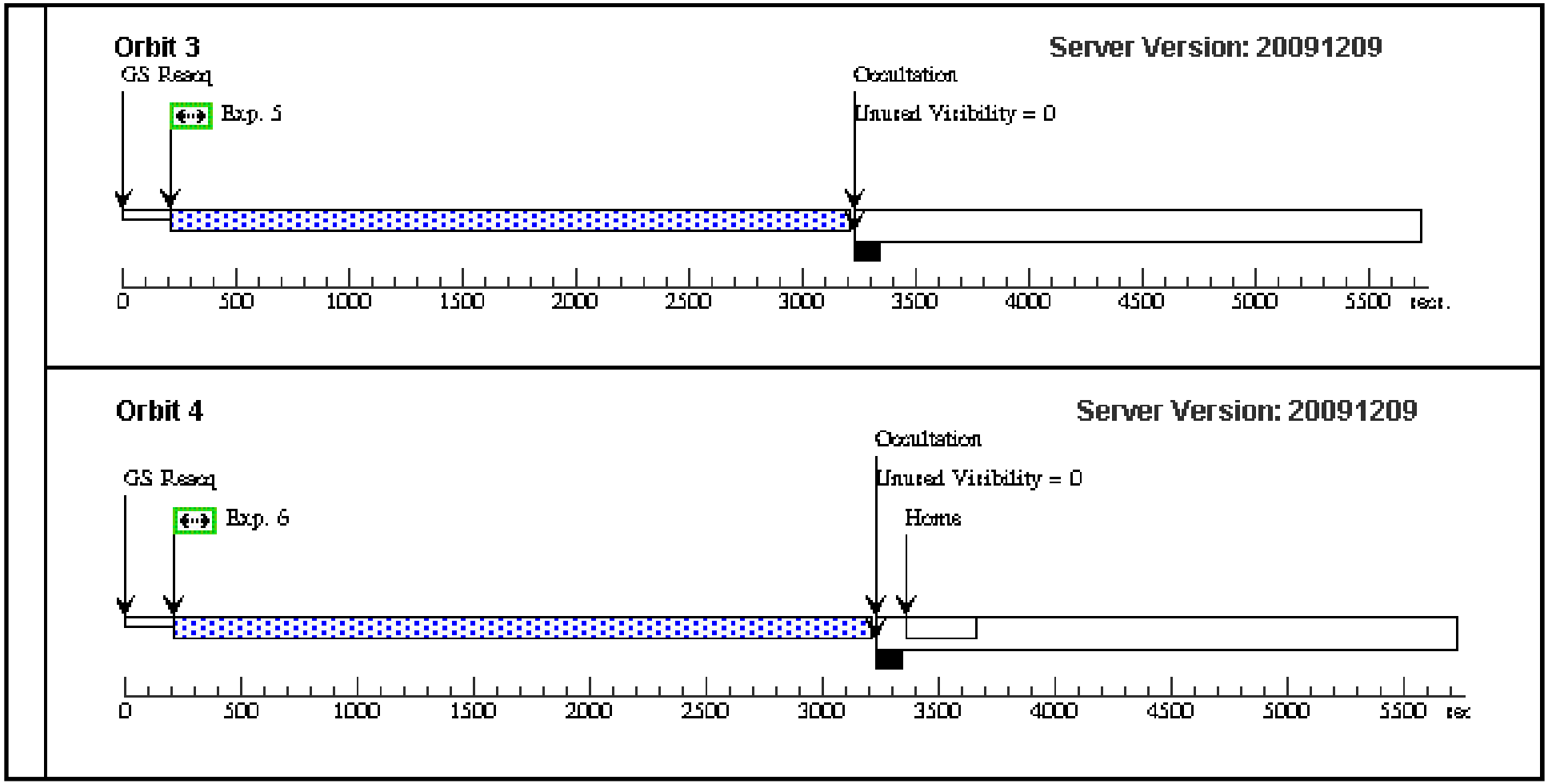
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	A G160M-1589 search	(1) LBQS-0107-025	COS/NUV, ACQ/SEARCH, PSA	MIRRORA	SCAN-SIZE=2			15.0 Secs *[==>]*	***[1]***
2	A G160M-1589 image	(1) LBQS-0107-025	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				15.0 Secs *[==>]*	***[1]***
3	A G160M-1589 science	(1) LBQS-0107-025	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=2150; FP-POS=1			1800.0 Secs *[==>2263.0 Secs]*	***[1]***
4	A G160M-1589 science	(1) LBQS-0107-025	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=2900; FP-POS=2			1800.0 Secs *[==>2948.0 Secs]*	***[2]***
5	A G160M-1589 science	(1) LBQS-0107-025	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=2900; FP-POS=3			1800.0 Secs *[==>2948.0 Secs]*	***[3]***
6	A G160M-1589 science	(1) LBQS-0107-025	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=2900; FP-POS=4			1800.0 Secs *[==>2948.0 Secs]*	***[4]***

Orbit Structure






Orbit 3
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GS Reacq
Exp. 5
Occultation
Unused Visibility = 0
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec.
Orbit 4
Server Version: 20091209
Occultation
GS Reacq
Unused Visibility = 0
Exp. 6
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 11585, Visit 05, implementation Tue Jan 26 02:05:27 GMT 2010

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Comments: A G160M 1623 4orbit I

Fixed Targets

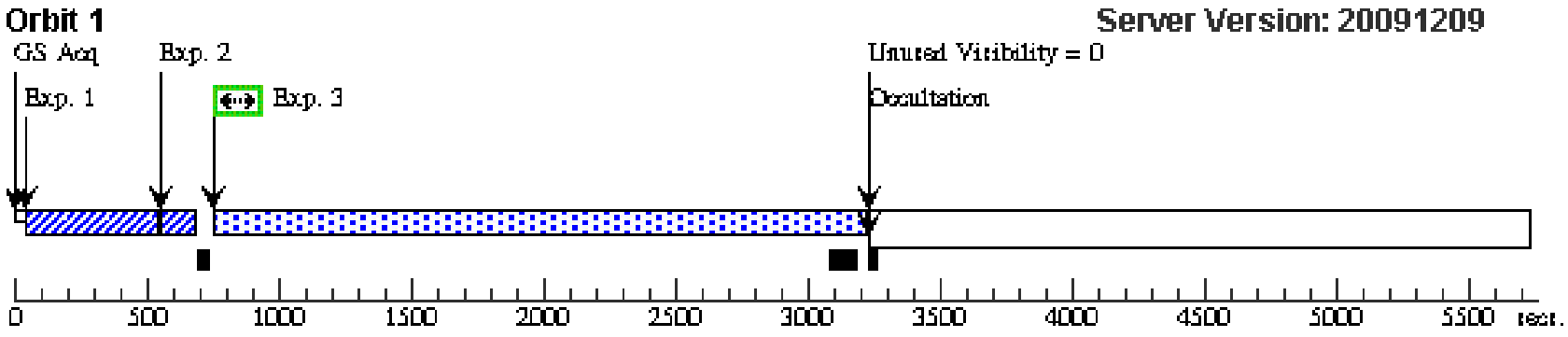
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	LBQS-0107-0235 Alt Name1: LBQS-0107-025A Alt Name2: S03W004206	RA: 01 10 13.1400 (17.5547500d) Dec: -02 19 52.90 (-2.33136d) Equinox: J2000		V=17.6+/-0.5 0.7 * 10^(-15) erg/s/cm2/Ang at 1400 Angstroms, GALEX fluxes: 210/64 microjan skies in NUV/FUV	Reference Frame: ICRS

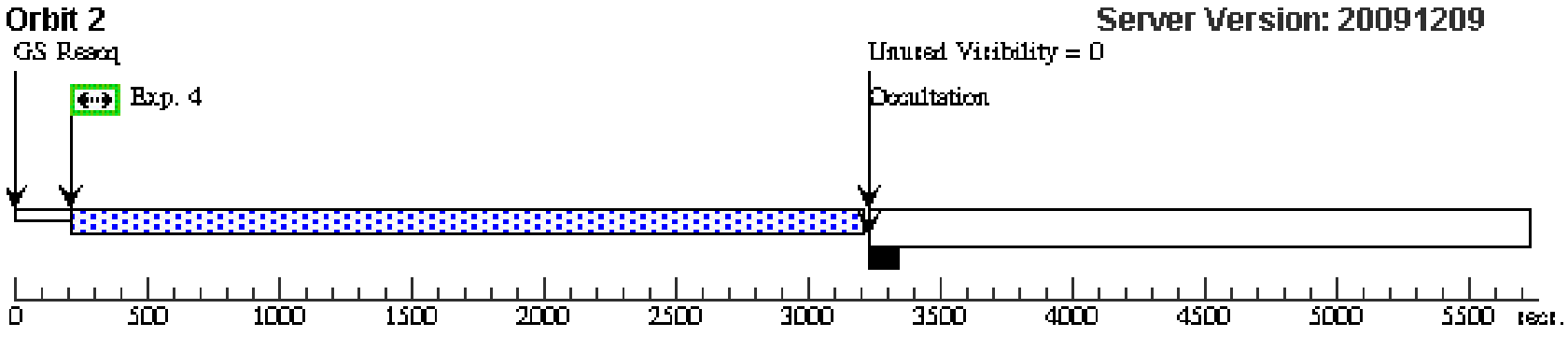
Comments: This object was generated by the targetselector and retrieved from the NED database. Coordinates are from GSC2.3.

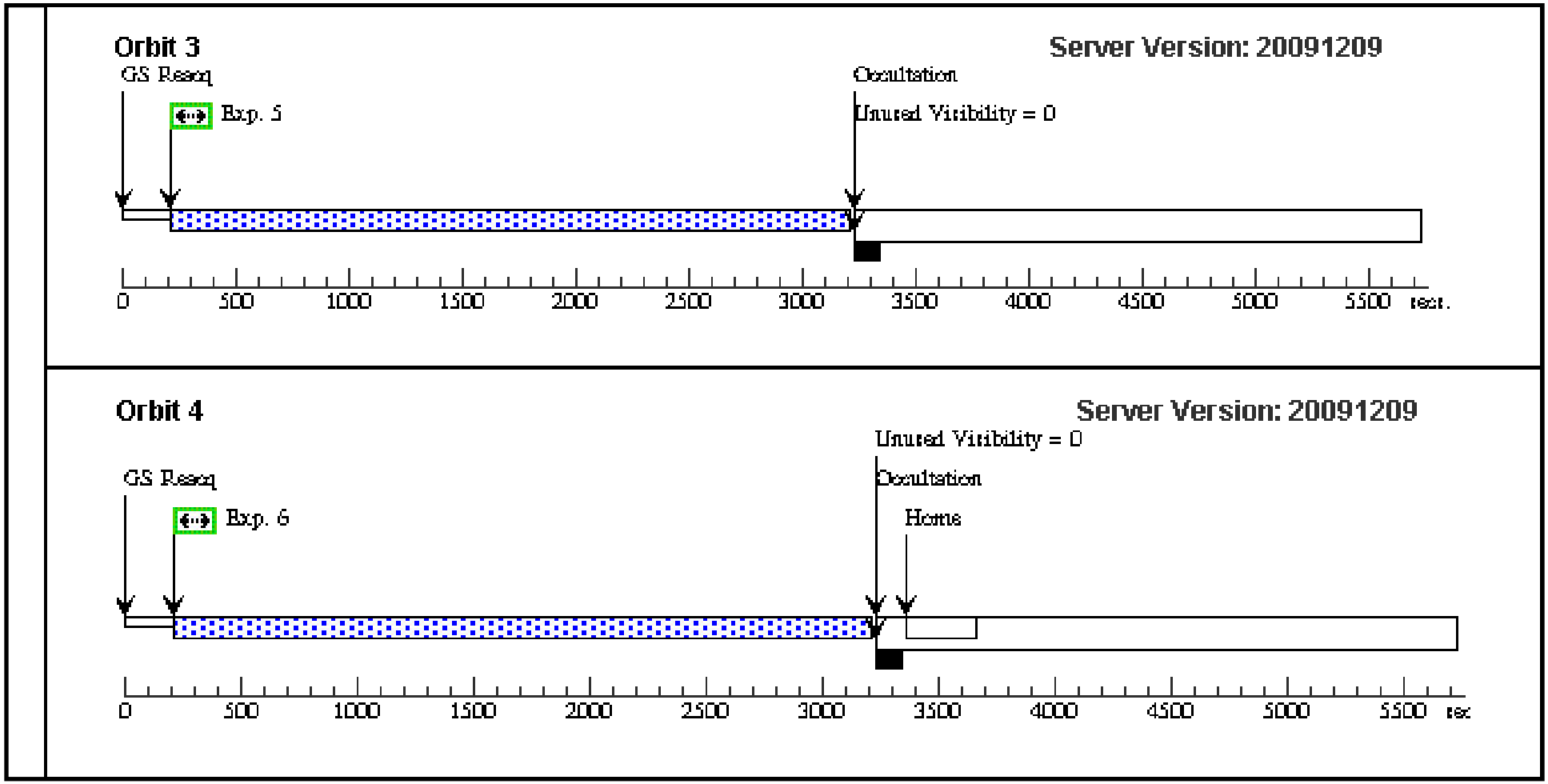
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	A G160M-1623 search	(1) LBQS-0107-025	COS/NUV, ACQ/SEARCH, PSA	MIRRORA	SCAN-SIZE=2			15.0 Secs *[==>]*	 ***[1]***
2	A G160M-1623 image	(1) LBQS-0107-025	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				15.0 Secs *[==>]*	 ***[1]***
3	A G160M-1623 science	(1) LBQS-0107-025	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2150; FP-POS=1			1800.0 Secs *[==>2263.0 Secs]*	 ***[1]***
4	A G160M-1623 science	(1) LBQS-0107-025	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2900; FP-POS=2			1800.0 Secs *[==>2948.0 Secs]*	 ***[2]***
5	A G160M-1623 science	(1) LBQS-0107-025	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2900; FP-POS=3			1800.0 Secs *[==>2948.0 Secs]*	 ***[3]***
6	A G160M-1623 science	(1) LBQS-0107-025	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2900; FP-POS=4			1800.0 Secs *[==>2948.0 Secs]*	 ***[4]***

Orbit Structure






Orbit 3
Server Version: 20091209
GS Reacq
Exp. 5
Occultation
Unused Visibility = 0
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1500
2000
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4000
4500
5000
5500
sec.
Orbit 4
Server Version: 20091209
Unused Visibility = 0
GS Reacq
Exp. 6
Occultation
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
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5500
sec

Visit

Proposal 11585, Visit 06, implementation Tue Jan 26 02:05:27 GMT 2010

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Comments: A G160M 1623 4orbit II

Fixed Targets

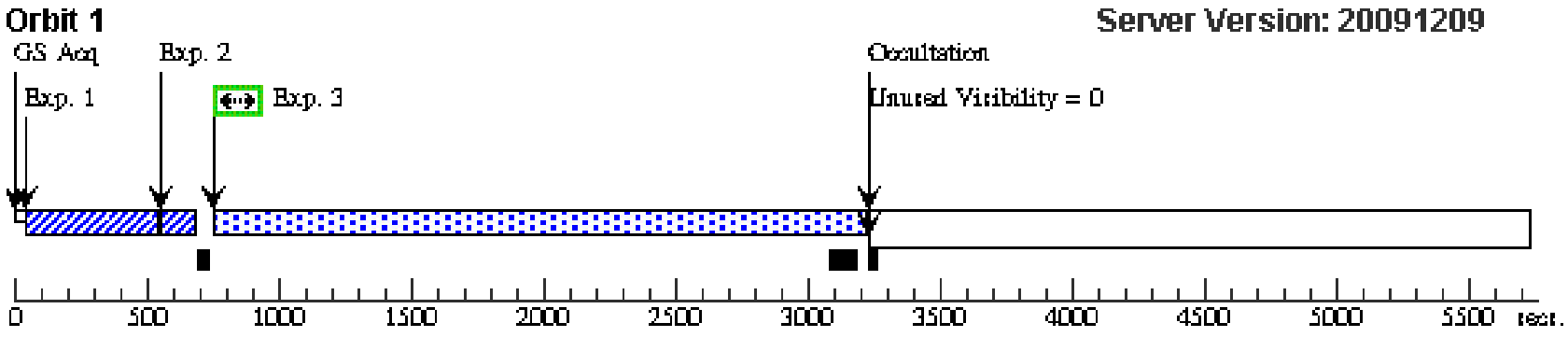
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	LBQS-0107-0235 Alt Name1: LBQS-0107-025A Alt Name2: S03W004206	RA: 01 10 13.1400 (17.5547500d) Dec: -02 19 52.90 (-2.33136d) Equinox: J2000		V=17.6+/-0.5 0.7 * 10^(-15) erg/s/cm2/Ang at 1400 Angstroms, GALEX fluxes: 210/64 microjan skies in NUV/FUV	Reference Frame: ICRS

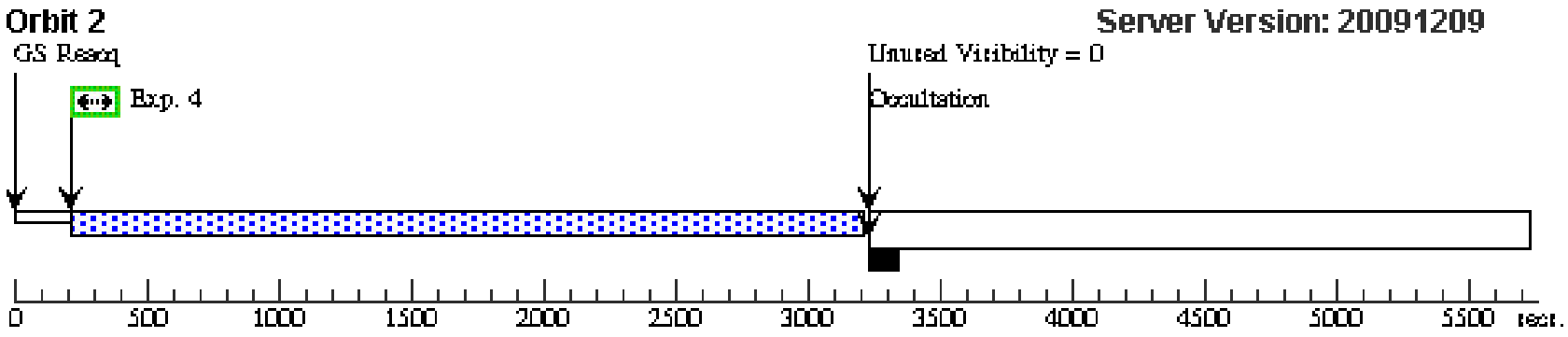
Comments: This object was generated by the targetselector and retrieved from the NED database. Coordinates are from GSC2.3.

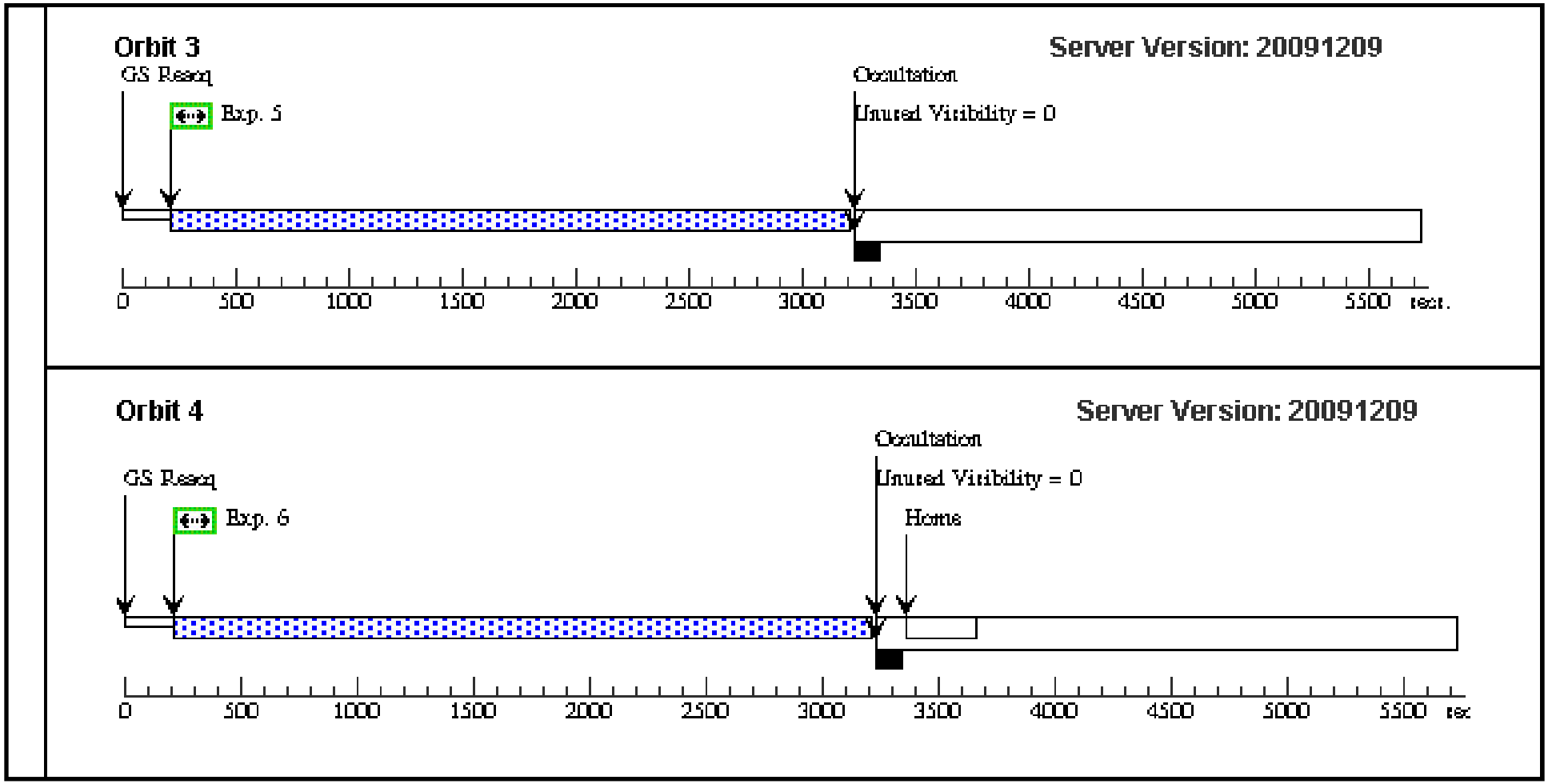
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	A G160M-1623 search	(1) LBQS-0107-025	COS/NUV, ACQ/SEARCH, PSA	MIRRORA	SCAN-SIZE=2			15.0 Secs *[==>]*	***[1]***
2	A G160M-1623 image	(1) LBQS-0107-025	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				15.0 Secs *[==>]*	***[1]***
3	A G160M-1623 science	(1) LBQS-0107-025	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2150; FP-POS=1			1800.0 Secs *[==>2263.0 Secs]*	***[1]***
4	A G160M-1623 science	(1) LBQS-0107-025	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2900; FP-POS=2			1800.0 Secs *[==>2948.0 Secs]*	***[2]***
5	A G160M-1623 science	(1) LBQS-0107-025	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2900; FP-POS=3			1800.0 Secs *[==>2948.0 Secs]*	***[3]***
6	A G160M-1623 science	(1) LBQS-0107-025	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2900; FP-POS=4			1800.0 Secs *[==>2948.0 Secs]*	***[4]***

Orbit Structure






Orbit 3
Server Version: 20091209
GS Reacq
Exp. 5
Occultation
Unused Visibility = 0
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1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec.
Orbit 4
Server Version: 20091209
Occultation
GS Reacq
Unused Visibility = 0
Exp. 6
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 11585, Visit 07, implementation Tue Jan 26 02:05:28 GMT 2010

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Comments: B G130M 1291 4orbit

Fixed Targets

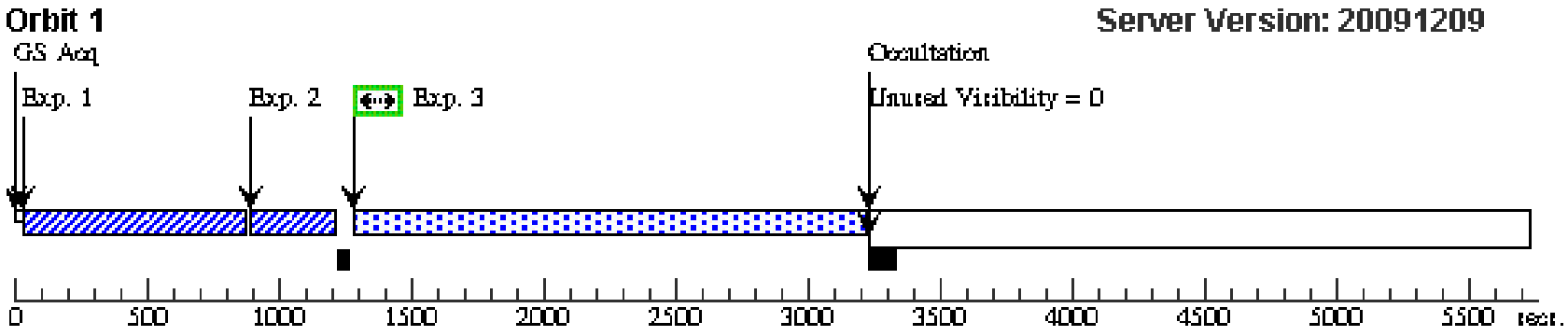
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	HB89-0107-025-NED05 Alt Name1: LBQS-0107-025B Alt Name2: S03W004295	RA: 01 10 16.2500 (17.5677083d) Dec: -02 18 51.00 (-2.31417d) Equinox: J2000		V=17.4+/-0.5 1.0 * 10^(-15) erg/s/cm2/Ang at 1400 Angstroms, GALEX fluxes: 357/148 microjanskies in NUV/FUV	Reference Frame: ICRS

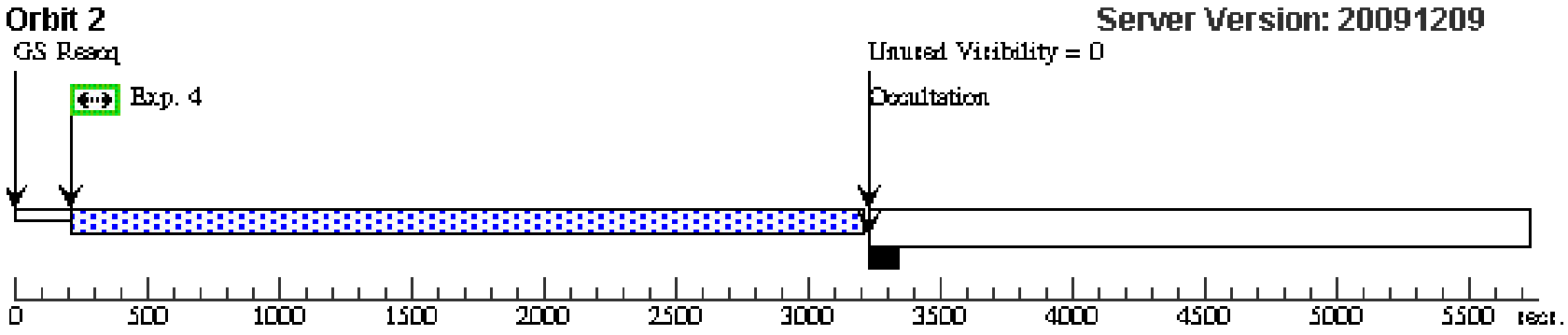
Comments: This object was generated by the targetselector and retrieved from the NED database. Coordinates from GSC2.3

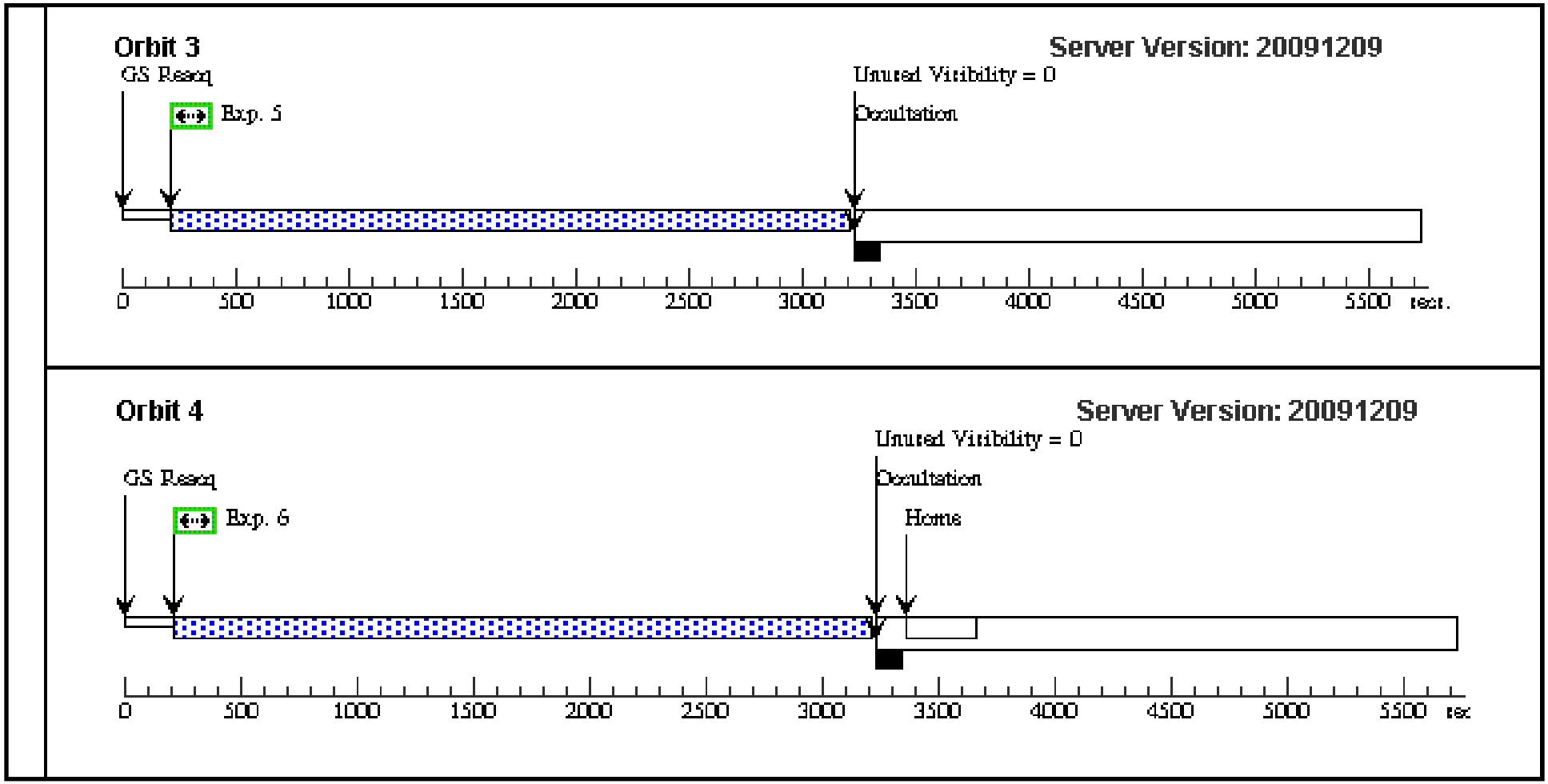
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	B G130M-1291 search	(2) HB89-0107-025-NED05	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2			100.0 Secs *[==>]*	***[1]***
2	B G130M-1291 image	(2) HB89-0107-025-NED05	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				100.0 Secs *[==>]*	***[1]***
3	B G130M-1291 science	(2) HB89-0107-025-NED05	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=1800; FP-POS=1			1775.0 Secs *[==>]*	***[1]***
4	B G130M-1291 science	(2) HB89-0107-025-NED05	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=2900; FP-POS=2			1800.0 Secs *[==>2948.0 Secs]*	***[2]***
5	B G130M-1291 science	(2) HB89-0107-025-NED05	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=2900; FP-POS=3			1800.0 Secs *[==>2948.0 Secs]*	***[3]***
6	B G130M-1291 science	(2) HB89-0107-025-NED05	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=2900; FP-POS=4			1800.0 Secs *[==>2948.0 Secs]*	***[4]***

Orbit Structure






Orbit 3
Server Version: 20091209
GS Reacq
Exp. 5
Unused Vitibility = 0
Occultation
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1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec.
Orbit 4
Server Version: 20091209
Unused Vitibility = 0
GS Reacq
Occultation
Exp. 6
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 11585, Visit 08, implementation Tue Jan 26 02:05:28 GMT 2010

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Comments: B G130M 1318 4orbit

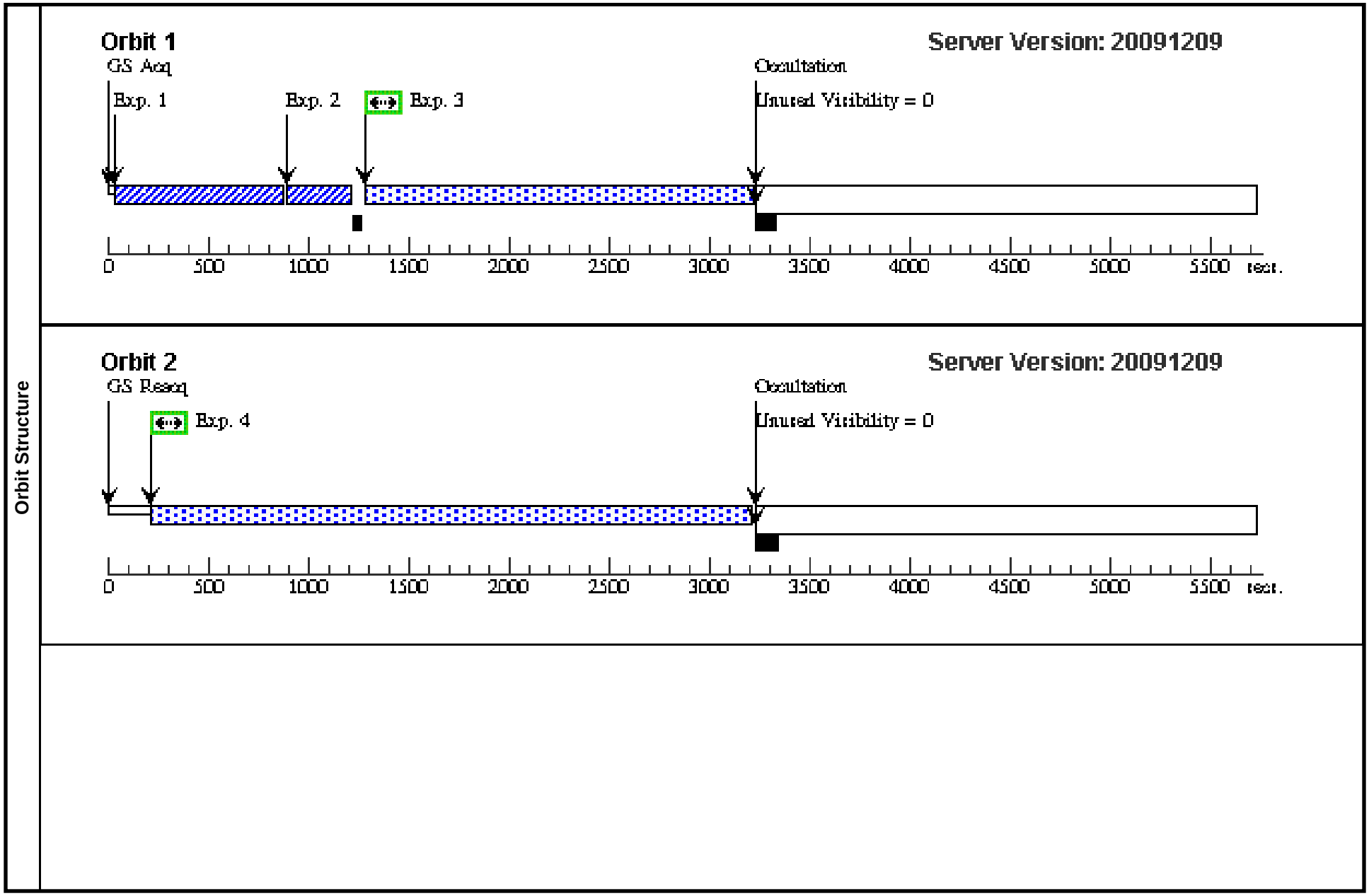
Fixed Targets

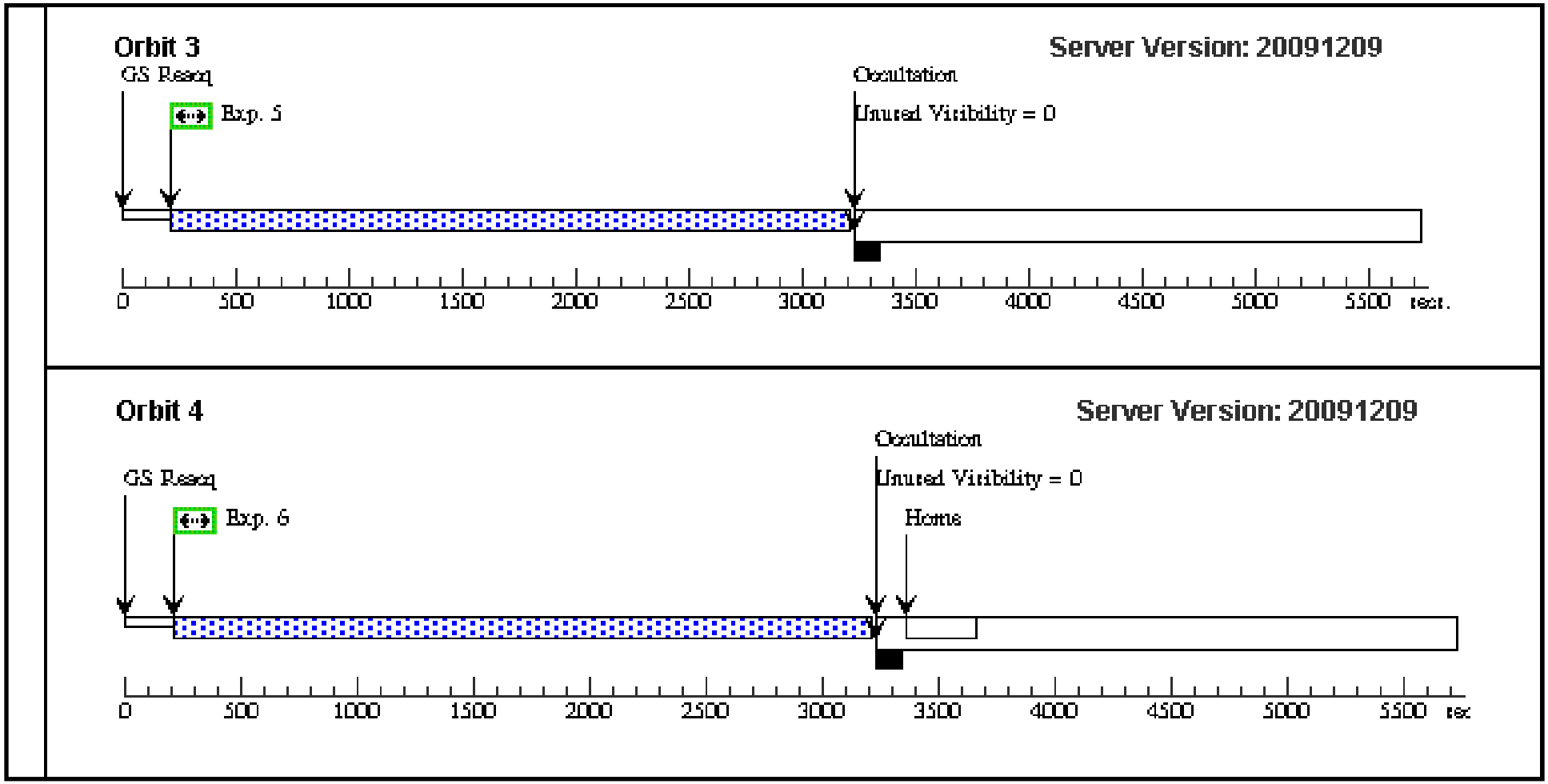
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	HB89-0107-025-NED05 Alt Name1: LBQS-0107-025B Alt Name2: S03W004295	RA: 01 10 16.2500 (17.5677083d) Dec: -02 18 51.00 (-2.31417d) Equinox: J2000		V=17.4+/-0.5 1.0 * 10^(-15) erg/s/cm2/Ang at 1400 Angstroms, GALEX fluxes: 357/148 microjanskies in NUV/FUV	Reference Frame: ICRS

Comments: This object was generated by the targetselector and retrieved from the NED database. Coordinates from GSC2.3

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	B G130M-1318 search	(2) HB89-0107-025-NED05	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2			100.0 Secs *[==>]*	***[1]***
2	B G130M-1318 image	(2) HB89-0107-025-NED05	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				100.0 Secs *[==>]*	***[1]***
3	B G130M-1318 science	(2) HB89-0107-025-NED05	COS/FUV, TIME-TAG, PSA	G130M 1318 A	BUFFER-TIME=1800; FP-POS=1			1775.0 Secs *[==>]*	***[1]***
4	B G130M-1318 science	(2) HB89-0107-025-NED05	COS/FUV, TIME-TAG, PSA	G130M 1318 A	BUFFER-TIME=2900; FP-POS=2			1800.0 Secs *[==>2948.0 Secs]*	***[2]***
5	B G130M-1318 science	(2) HB89-0107-025-NED05	COS/FUV, TIME-TAG, PSA	G130M 1318 A	BUFFER-TIME=2900; FP-POS=3			1800.0 Secs *[==>2948.0 Secs]*	***[3]***
6	B G130M-1318 science	(2) HB89-0107-025-NED05	COS/FUV, TIME-TAG, PSA	G130M 1318 A	BUFFER-TIME=2900; FP-POS=4			1800.0 Secs *[==>2948.0 Secs]*	***[4]***


Orbit Structure
Orbit 1
Server Version: 20091209
GS Acq
Exp. 1
Exp. 2
Exp. 3
Occultation
Unused Visibility = 0
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec.
Orbit 2
Server Version: 20091209
GS Reacq
Exp. 4
Occultation
Unused Visibility = 0
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec.


Orbit 3
Server Version: 20091209
GS Reacq
Exp. 5
Occultation
Unused Visibility = 0
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec.
Orbit 4
Server Version: 20091209
Occultation
GS Reacq
Unused Visibility = 0
Exp. 6
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 11585, Visit 09, implementation Tue Jan 26 02:05:29 GMT 2010

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Comments: B G160M 1589 4orbit

Fixed Targets

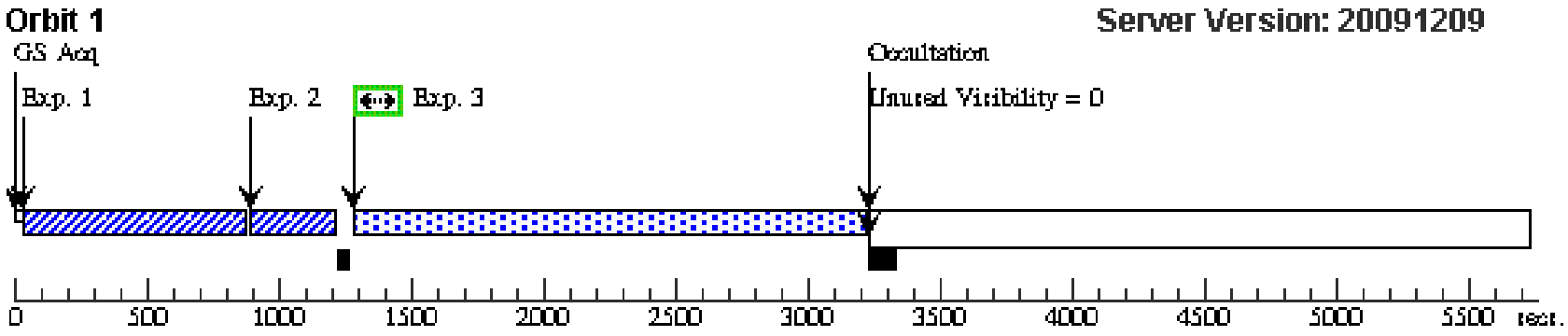
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	HB89-0107-025-NED05 Alt Name1: LBQS-0107-025B Alt Name2: S03W004295	RA: 01 10 16.2500 (17.5677083d) Dec: -02 18 51.00 (-2.31417d) Equinox: J2000		V=17.4+/-0.5 1.0 * 10^(-15) erg/s/cm2/Ang at 1400 Angstroms, GALEX fluxes: 357/148 microjanskies in NUV/FUV	Reference Frame: ICRS

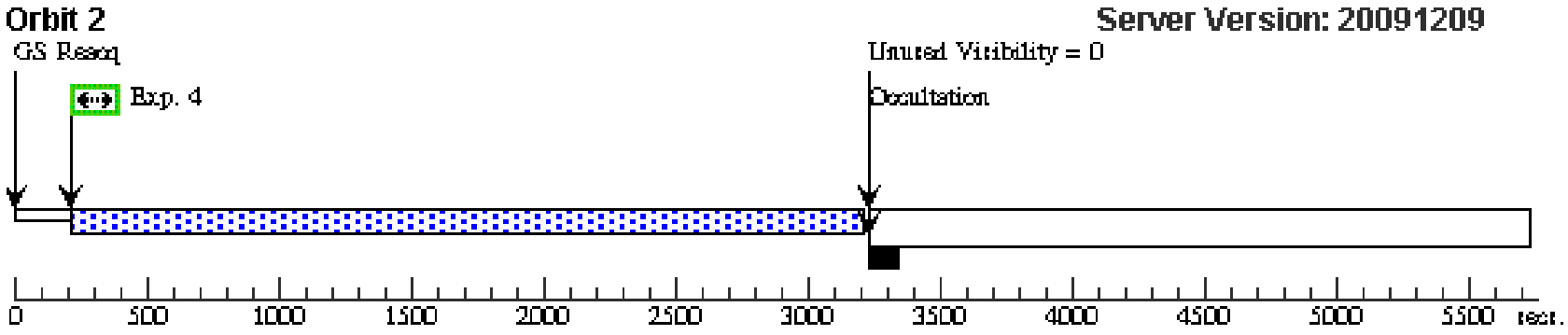
Comments: This object was generated by the targetselector and retrieved from the NED database. Coordinates from GSC2.3

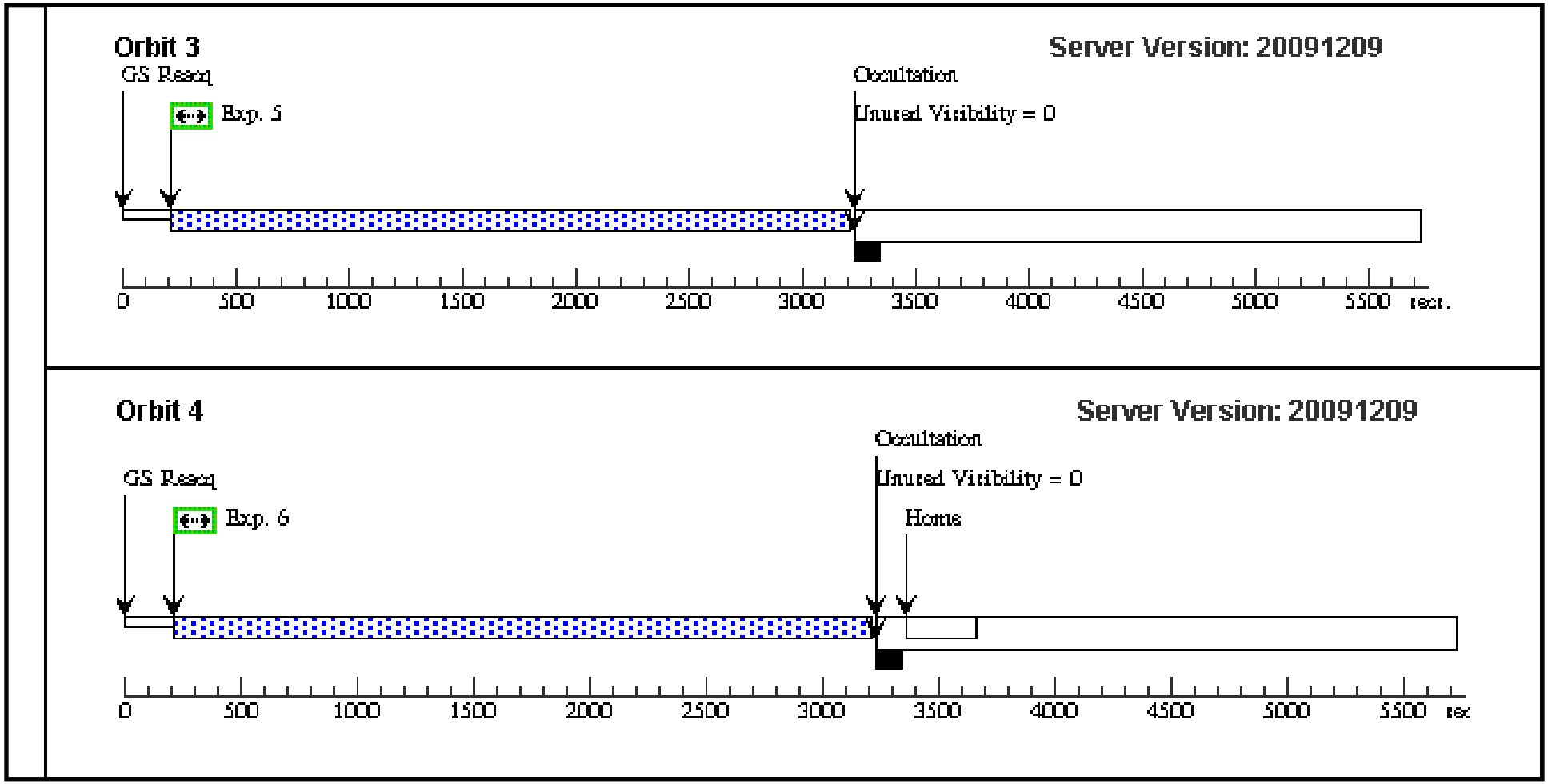
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	B G160M-1589 search	(2) HB89-0107-025-NED05	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2			100.0 Secs *[==>]*	***[1]***
2	B G160M-1589 image	(2) HB89-0107-025-NED05	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				100.0 Secs *[==>]*	***[1]***
3	B G160M-1589 science	(2) HB89-0107-025-NED05	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=1755; FP-POS=1			1800.0 Secs *[==>1730.0 Secs]*	***[1]***
4	B G160M-1589 science	(2) HB89-0107-025-NED05	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=2900; FP-POS=2			1800.0 Secs *[==>2948.0 Secs]*	***[2]***
5	B G160M-1589 science	(2) HB89-0107-025-NED05	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=2900; FP-POS=3			1800.0 Secs *[==>2948.0 Secs]*	***[3]***
6	B G160M-1589 science	(2) HB89-0107-025-NED05	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=2900; FP-POS=4			1800.0 Secs *[==>2948.0 Secs]*	***[4]***

Orbit Structure






Orbit 3
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GS Reacq
Exp. 5
Occultation
Unused Visibility = 0
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2000
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3000
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4000
4500
5000
5500
sec.
Orbit 4
Server Version: 20091209
Occultation
GS Reacq
Unused Visibility = 0
Exp. 6
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 11585, Visit 10, implementation Tue Jan 26 02:05:30 GMT 2010

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Comments: B G160M 1623 4orbit

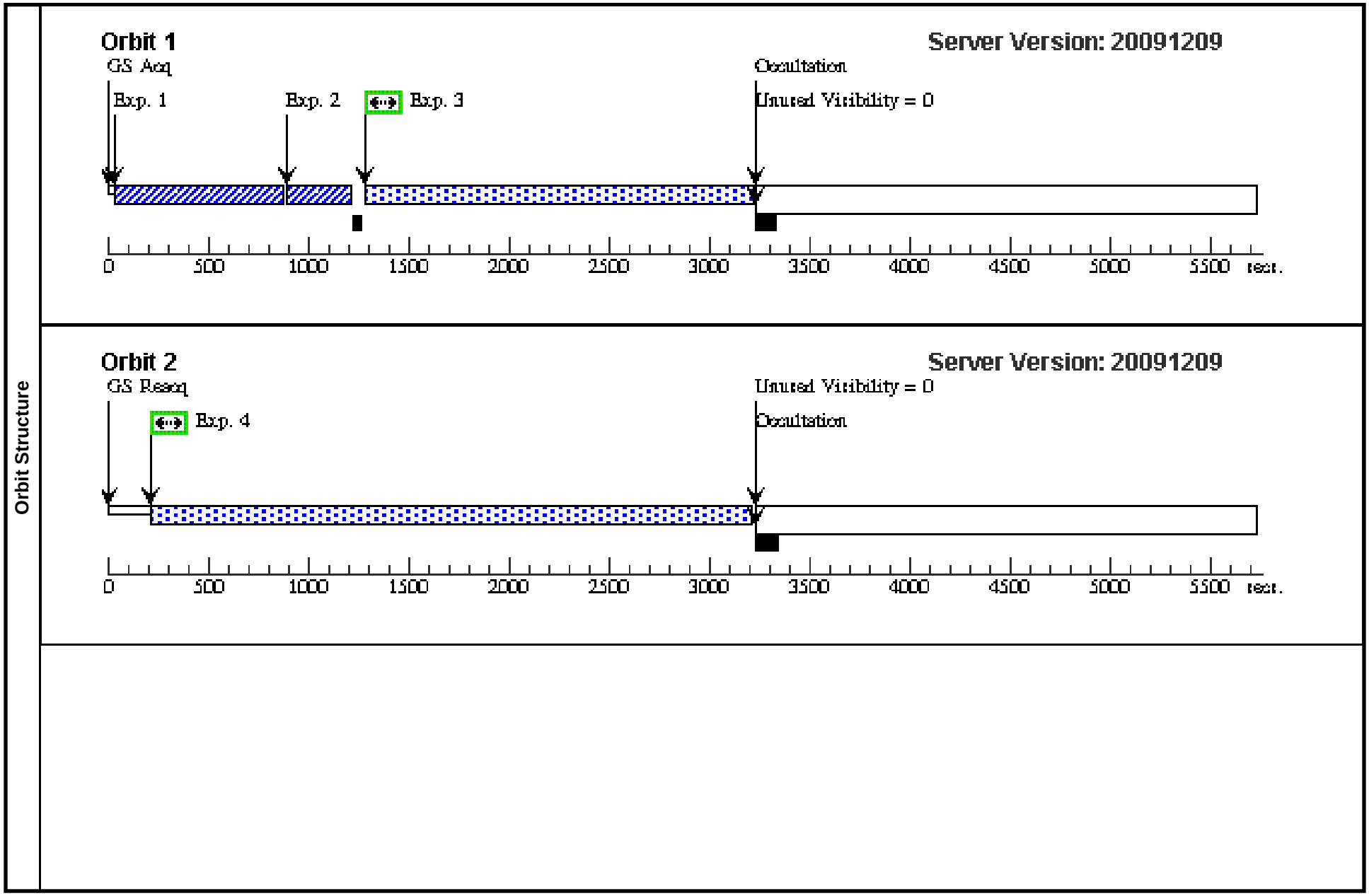
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	HB89-0107-025-NED05 Alt Name1: LBQS-0107-025B Alt Name2: S03W004295	RA: 01 10 16.2500 (17.5677083d) Dec: -02 18 51.00 (-2.31417d) Equinox: J2000		V=17.4+/-0.5 1.0 * 10^(-15) erg/s/cm2/Ang at 1400 Angstroms, GALEX fluxes: 357/148 microjanskies in NUV/FUV	Reference Frame: ICRS

Comments: This object was generated by the targetselector and retrieved from the NED database. Coordinates from GSC2.3

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	B G160M-1623 search	(2) HB89-0107-025-NED05	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2			100.0 Secs *[==>]*	***[1]***
2	B G160M-1623 image	(2) HB89-0107-025-NED05	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				100.0 Secs *[==>]*	***[1]***
3	B G160M-1623 science	(2) HB89-0107-025-NED05	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=1755; FP-POS=1			1800.0 Secs *[==>1730.0 Secs]*	***[1]***
4	B G160M-1623 science	(2) HB89-0107-025-NED05	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2900; FP-POS=2			1800.0 Secs *[==>2948.0 Secs]*	***[2]***
5	B G160M-1623 science	(2) HB89-0107-025-NED05	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2900; FP-POS=3			1800.0 Secs *[==>2948.0 Secs]*	***[3]***
6	B G160M-1623 science	(2) HB89-0107-025-NED05	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2900; FP-POS=4			1800.0 Secs *[==>2948.0 Secs]*	***[4]***


Orbit Structure
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GS Acq
Exp. 1
Exp. 2
Exp. 3
Occultation
Unused Visibility = 0
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1000
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2000
2500
3000
3500
4000
4500
5000
5500
sec.
Orbit 2
Server Version: 20091209
GS Reacq
Exp. 4
Unused Visibility = 0
Occultation
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1500
2000
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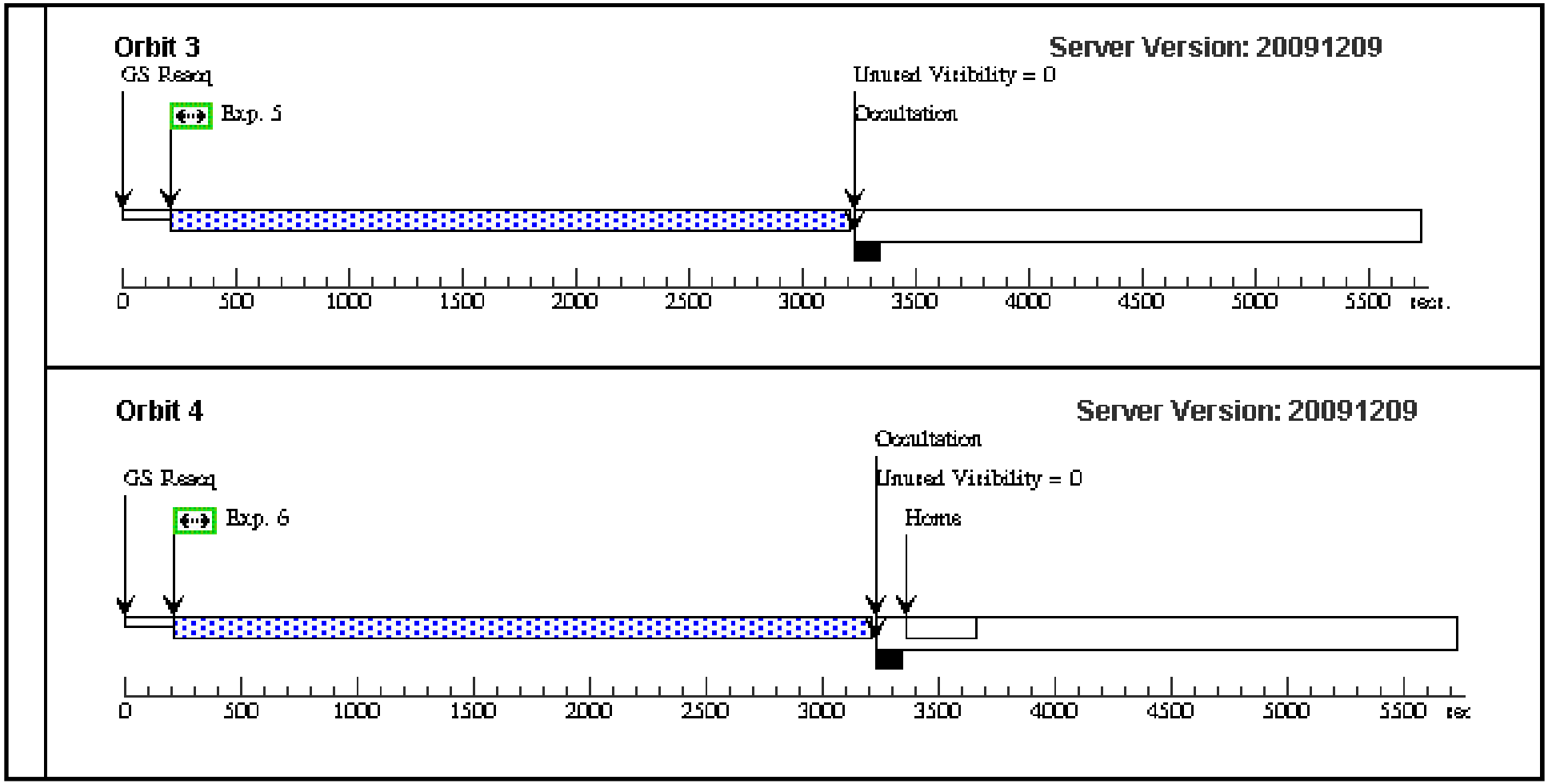
3000
3500
4000
4500
5000
5500
sec.


Orbit 3
Server Version: 20091209
GS Reacq
Exp. 5
Unused Visibility = 0
Occultation
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4000
4500
5000
5500
Orbit 4
Server Version: 20091209
Occultation
GS Reacq
Exp. 6
Unused Visibility = 0
Home
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3500
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4500
5000
5500

Visit

Proposal 11585, Visit 11, implementation Tue Jan 26 02:05:30 GMT 2010

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Comments: C G160M 1589 5orbit I

Fixed Targets

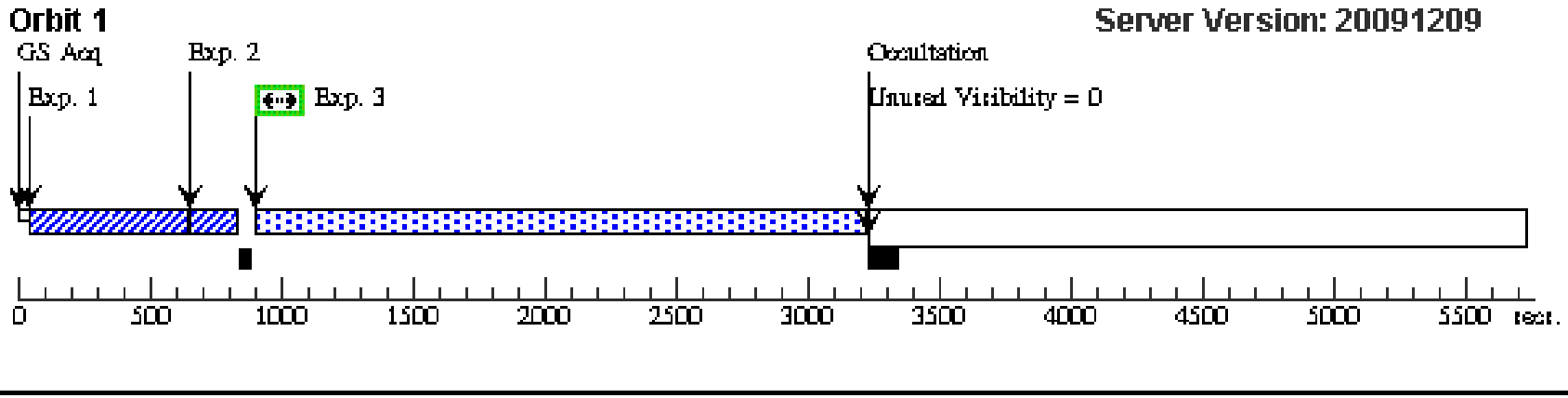
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(3)	LBQS-0107-0232 Alt Name1: S03P002795	RA: 01 10 14.4300 (17.5601250d) Dec: -02 16 57.60 (-2.28267d) Equinox: J2000		V=18.4+/-0.5 0.3 * 10^(-15) erg/s/cm2/Ang at 1700 Angstroms, GALEX fluxes: 74/27 microjans kies in NUV/FUV	Reference Frame: ICRS

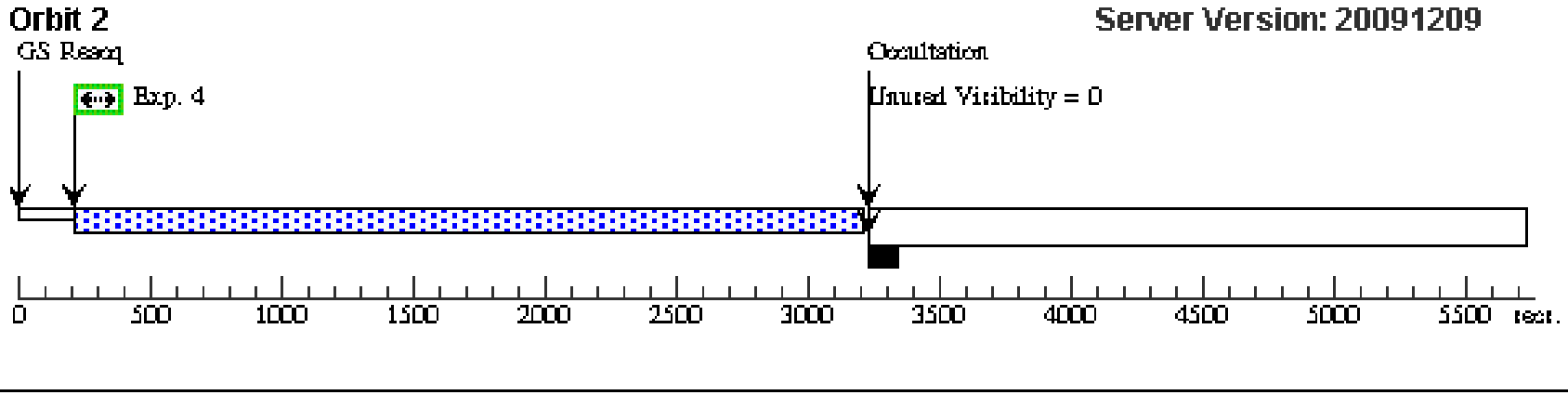
Comments: This object was generated by the targetselector and retrieved from the NED database. Coordinates from GSC2.3.

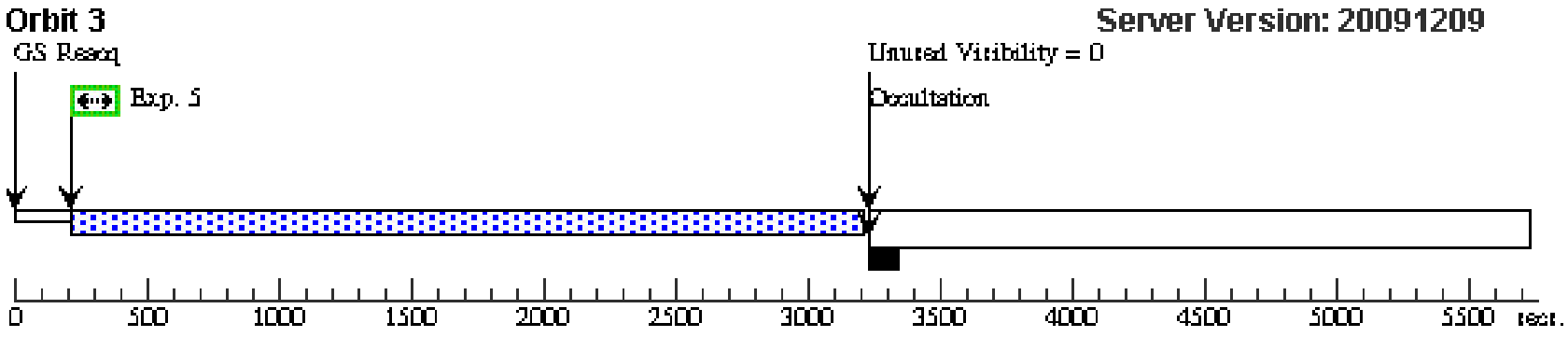
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	C G160M-1589 search	(3) LBQS-0107-0232	COS/NUV, ACQ/SEARCH, PSA	MIRRORA	SCAN-SIZE=2			40.0 Secs *[==>]*	*[1]*
2	C G160M-1589 image	(3) LBQS-0107-0232	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				40.0 Secs *[==>]*	*[1]*
3	C G160M-1589 science	(3) LBQS-0107-0232	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=2110; FP-POS=1			1800.0 Secs *[==>2113.0 Secs]*	*[1]*
4	C G160M-1589 science	(3) LBQS-0107-0232	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=2900; FP-POS=2			1800.0 Secs *[==>2948.0 Secs]*	*[2]*
5	C G160M-1589 science	(3) LBQS-0107-0232	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=2900; FP-POS=3			1800.0 Secs *[==>2948.0 Secs]*	*[3]*
6	C G160M-1589 science	(3) LBQS-0107-0232	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=2900; FP-POS=4			1800.0 Secs *[==>2948.0 Secs]*	*[4]*
7	C G160M-1589 science	(3) LBQS-0107-0232	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=2900; FP-POS=1			1800.0 Secs *[==>2948.0 Secs]*	*[5]*

Orbit Structure



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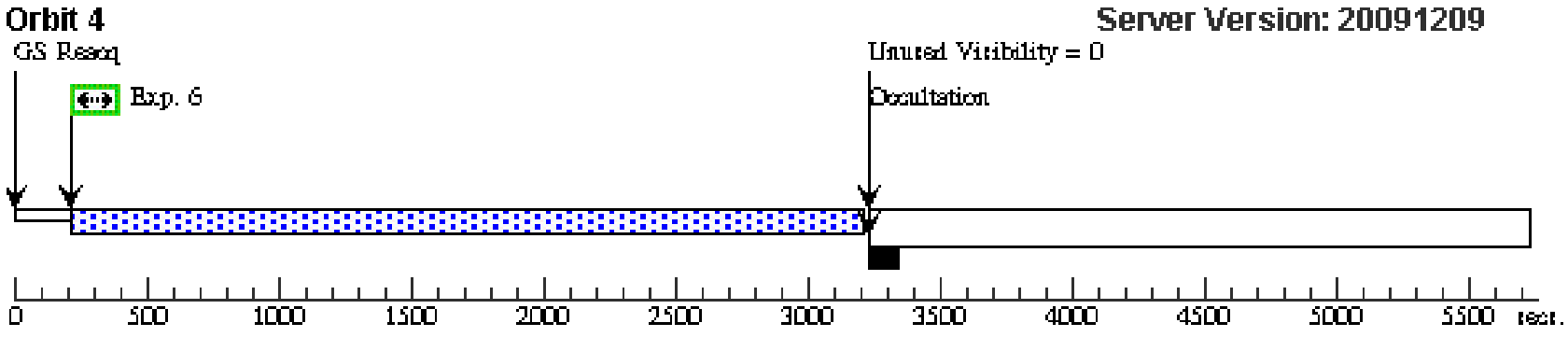
sec.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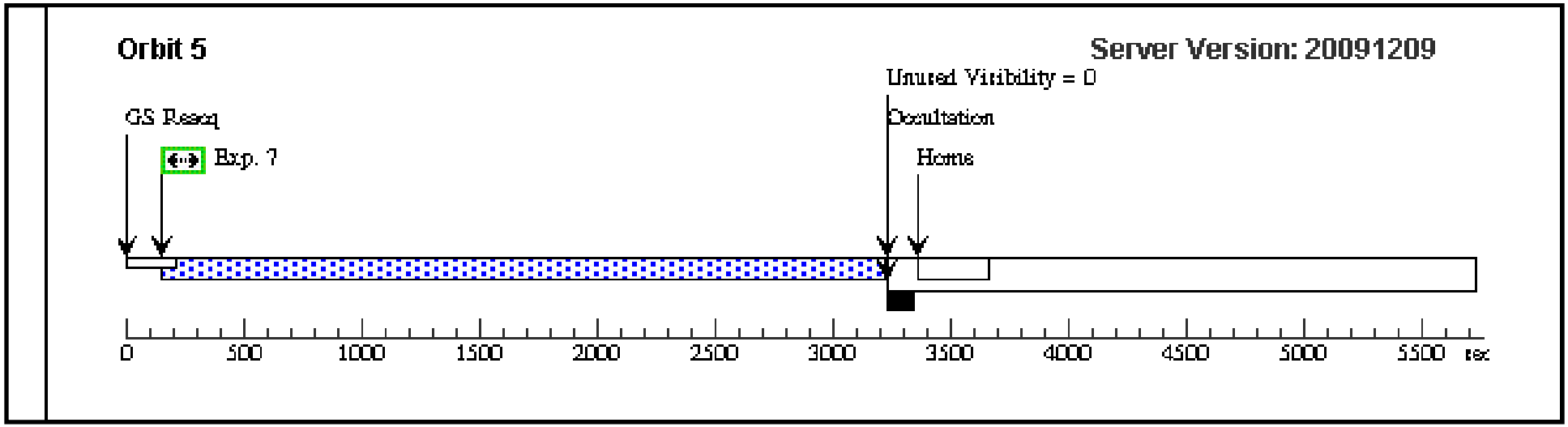
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5500
sec

Visit

Proposal 11585, Visit 12, implementation Tue Jan 26 02:05:31 GMT 2010

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Comments: C G160M 1589 5orbit II

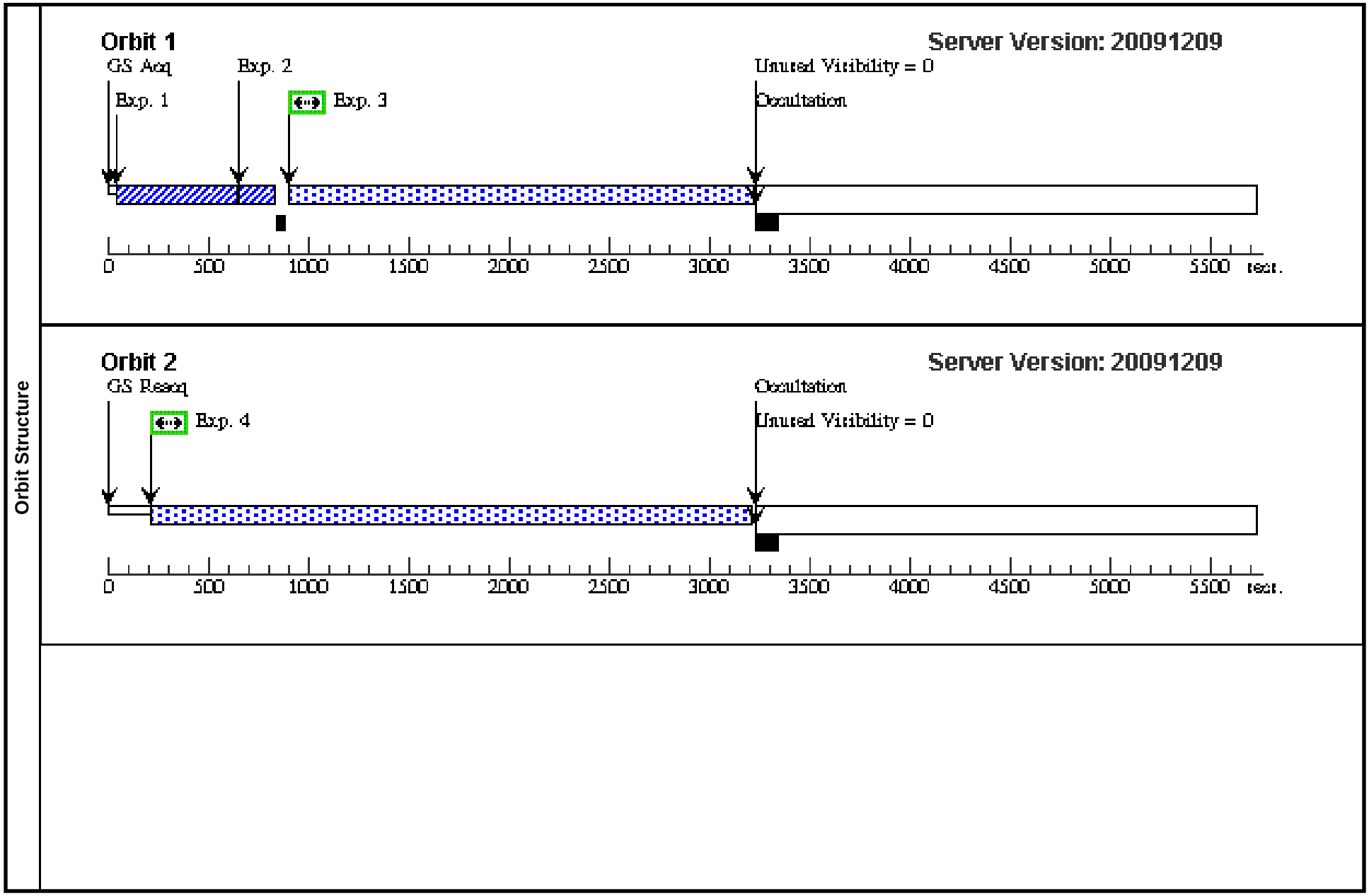
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(3)	LBQS-0107-0232 Alt Name1: S03P002795	RA: 01 10 14.4300 (17.5601250d) Dec: -02 16 57.60 (-2.28267d) Equinox: J2000		V=18.4+/-0.5 0.3 * 10^(-15) erg/s/cm2/Ang at 1700 Angstroms, GALEX fluxes: 74/27 microjans kies in NUV/FUV	Reference Frame: ICRS

Comments: This object was generated by the targetselector and retrieved from the NED database. Coordinates from GSC2.3.

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	C G160M-1589 search	(3) LBQS-0107-0232	COS/NUV, ACQ/SEARCH, PSA	MIRRORA	SCAN-SIZE=2			40.0 Secs *[==>]*	***[1]***
2	C G160M-1589 image	(3) LBQS-0107-0232	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				40.0 Secs *[==>]*	***[1]***
3	C G160M-1589 science	(3) LBQS-0107-0232	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=2110; FP-POS=1			1800.0 Secs *[==>2113.0 Secs]*	***[1]***
4	C G160M-1589 science	(3) LBQS-0107-0232	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=2900; FP-POS=2			1800.0 Secs *[==>2948.0 Secs]*	***[2]***
5	C G160M-1589 science	(3) LBQS-0107-0232	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=2900; FP-POS=3			1800.0 Secs *[==>2948.0 Secs]*	***[3]***
6	C G160M-1589 science	(3) LBQS-0107-0232	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=2900; FP-POS=4			1800.0 Secs *[==>2948.0 Secs]*	***[4]***
7	C G160M-1589 science	(3) LBQS-0107-0232	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=2900; FP-POS=1			1800.0 Secs *[==>2948.0 Secs]*	***[5]***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Exp. 1
Exp. 3
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sec.
Orbit 2
Server Version: 20091209
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Occultation
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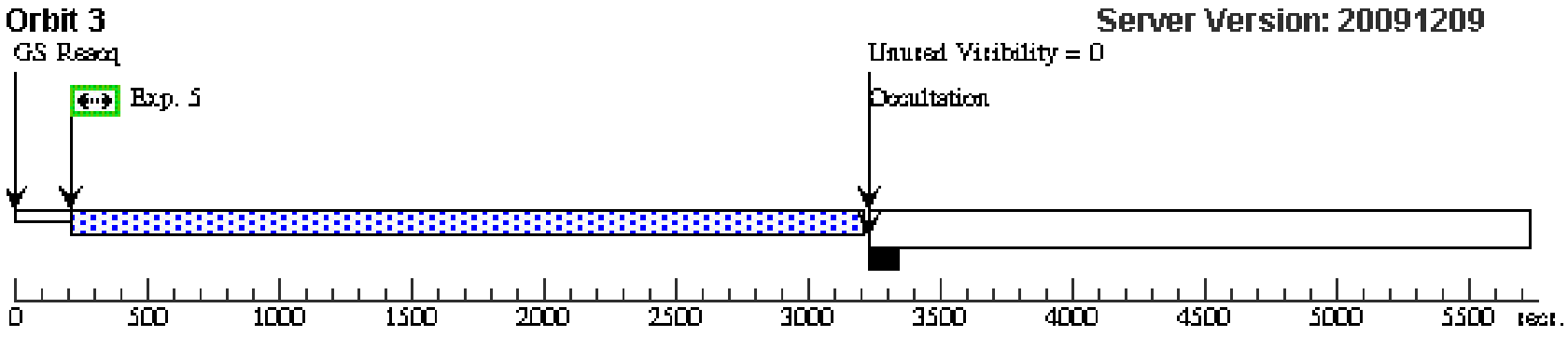
sec.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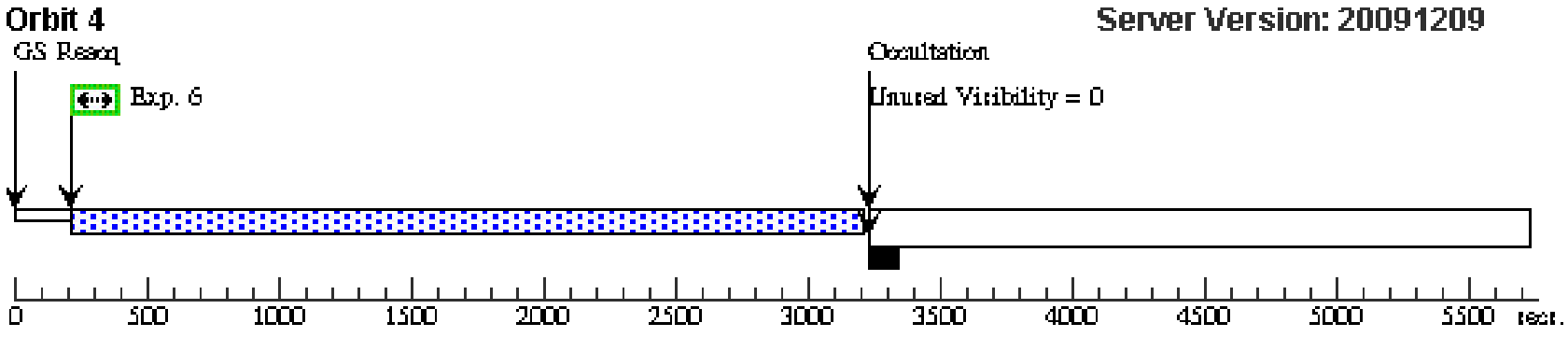
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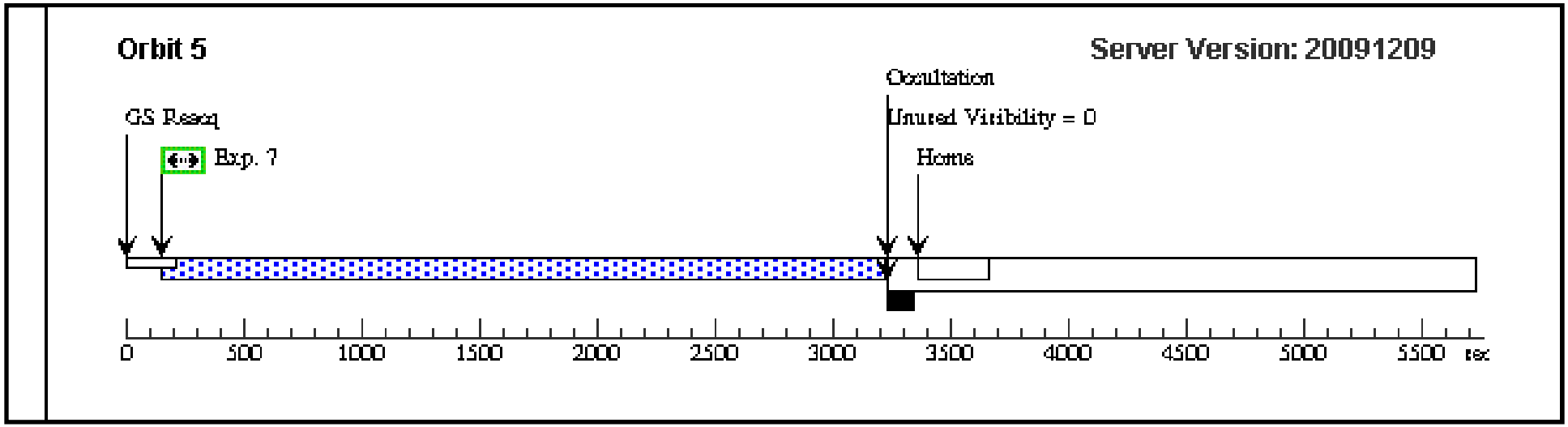
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5500
sec

Visit

Proposal 11585, Visit 13, implementation Tue Jan 26 02:05:31 GMT 2010

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Comments: C G160M 1589 5orbit III

Fixed Targets

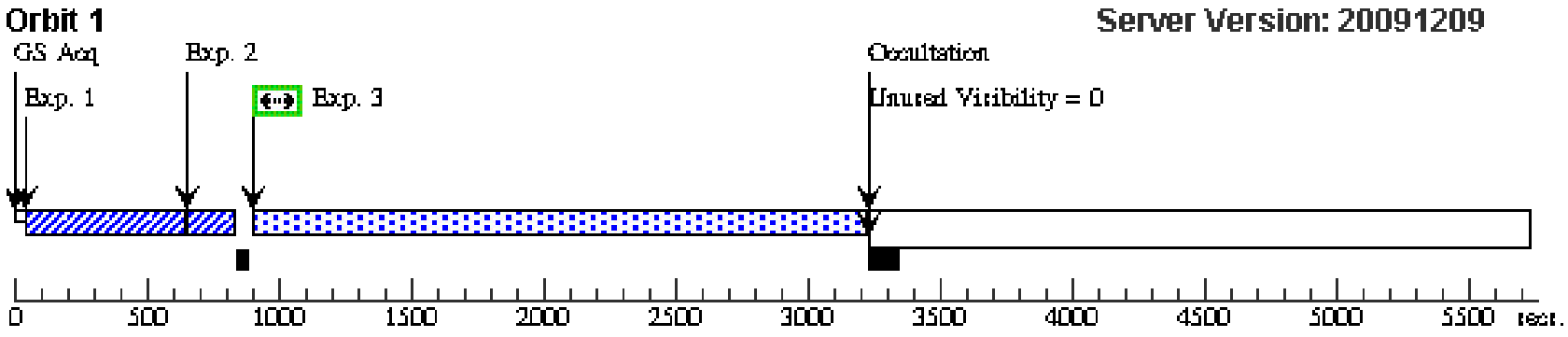
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(3)	LBQS-0107-0232 Alt Name1: S03P002795	RA: 01 10 14.4300 (17.5601250d) Dec: -02 16 57.60 (-2.28267d) Equinox: J2000		V=18.4+/-0.5 0.3 * 10^(-15) erg/s/cm2/Ang at 1700 Angstroms, GALEX fluxes: 74/27 microjans kies in NUV/FUV	Reference Frame: ICRS

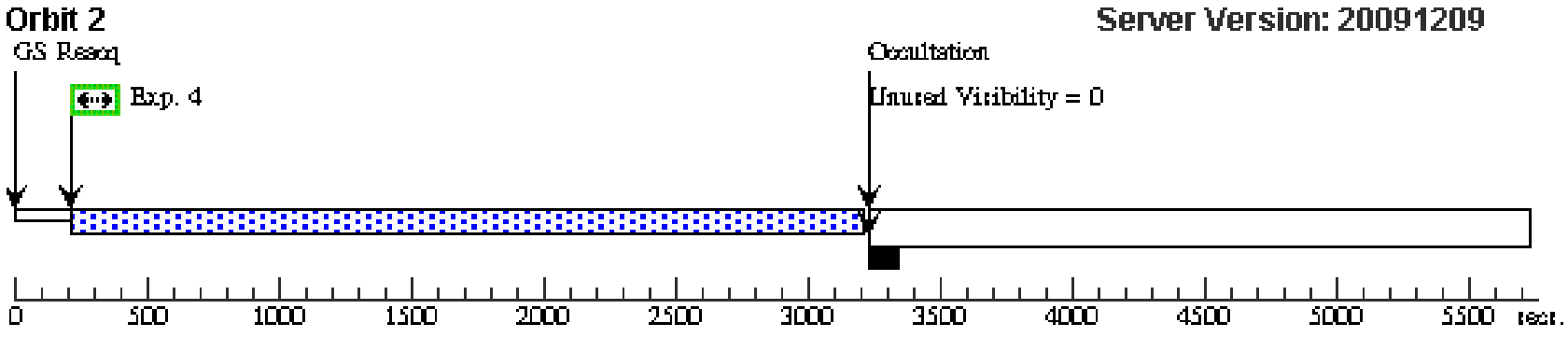
Comments: This object was generated by the targetselector and retrieved from the NED database. Coordinates from GSC2.3.

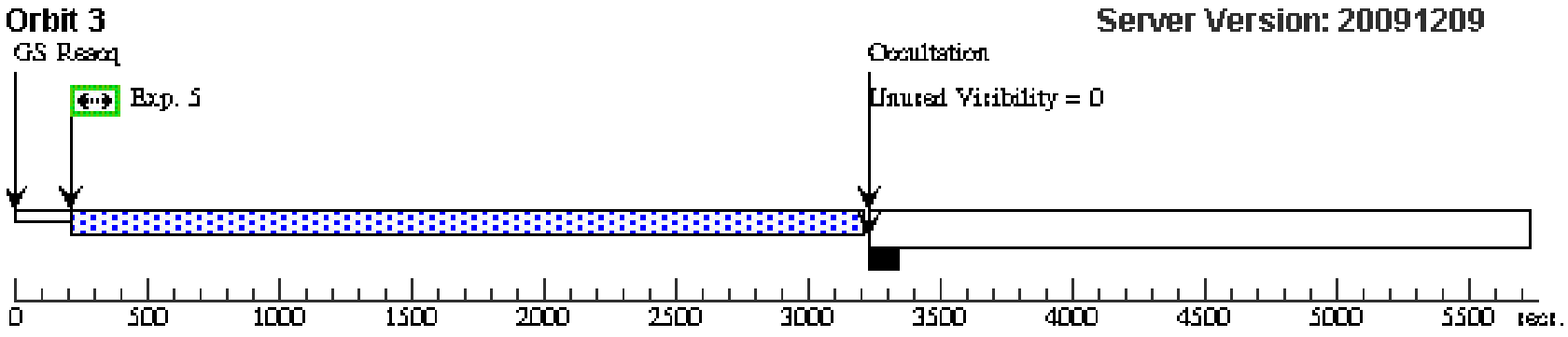
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	C G160M-1589 search	(3) LBQS-0107-0232	COS/NUV, ACQ/SEARCH, PSA	MIRRORA	SCAN-SIZE=2			40.0 Secs *[==>]*	*[1]*
2	C G160M-1589 image	(3) LBQS-0107-0232	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				40.0 Secs *[==>]*	*[1]*
3	C G160M-1589 science	(3) LBQS-0107-0232	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=2110; FP-POS=1			1800.0 Secs *[==>2113.0 Secs]*	*[1]*
4	C G160M-1589 science	(3) LBQS-0107-0232	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=2900; FP-POS=2			1800.0 Secs *[==>2948.0 Secs]*	*[2]*
5	C G160M-1589 science	(3) LBQS-0107-0232	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=2900; FP-POS=3			1800.0 Secs *[==>2948.0 Secs]*	*[3]*
6	C G160M-1589 science	(3) LBQS-0107-0232	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=2900; FP-POS=4			1800.0 Secs *[==>2948.0 Secs]*	*[4]*
7	C G160M-1589 science	(3) LBQS-0107-0232	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=2900; FP-POS=1			1800.0 Secs *[==>2948.0 Secs]*	*[5]*

Orbit Structure



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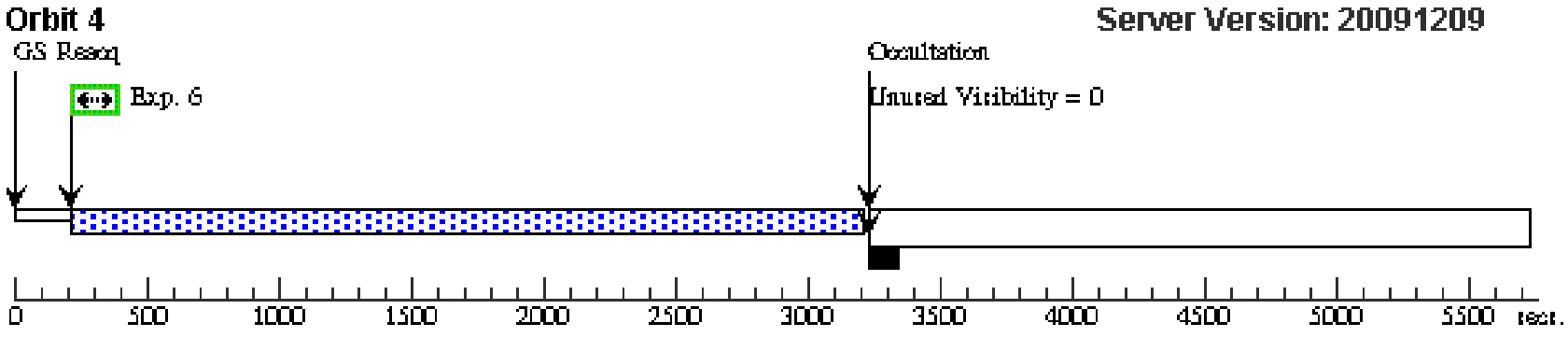
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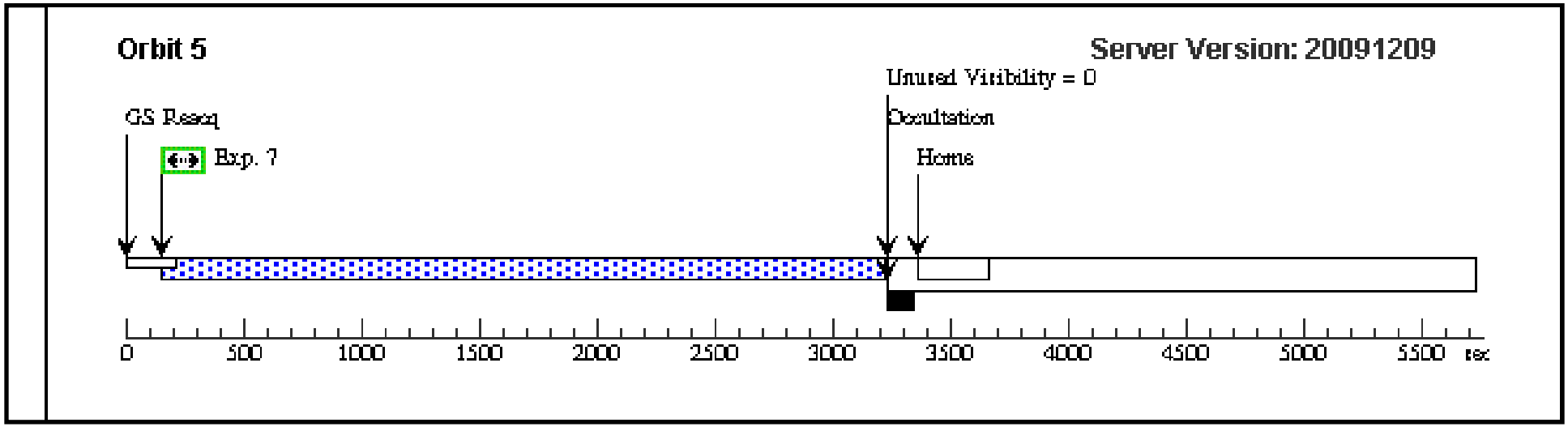
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sec

Visit

Proposal 11585, Visit 14, implementation Tue Jan 26 02:05:32 GMT 2010

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Comments: C G160M 1623 5orbit I

Fixed Targets

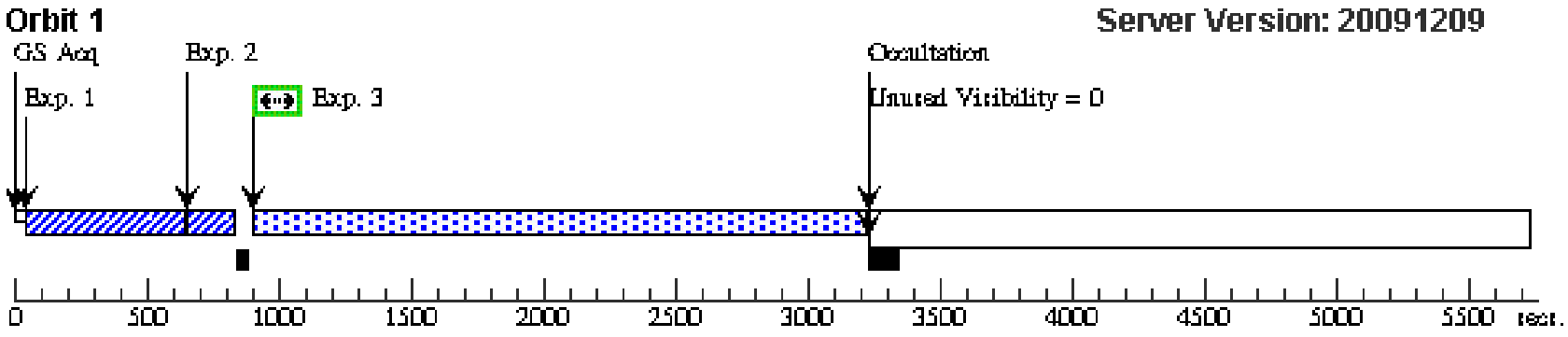
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(3)	LBQS-0107-0232 Alt Name1: S03P002795	RA: 01 10 14.4300 (17.5601250d) Dec: -02 16 57.60 (-2.28267d) Equinox: J2000		V=18.4+/-0.5 0.3 * 10^(-15) erg/s/cm2/Ang at 1700 Angstroms, GALEX fluxes: 74/27 microjans kies in NUV/FUV	Reference Frame: ICRS

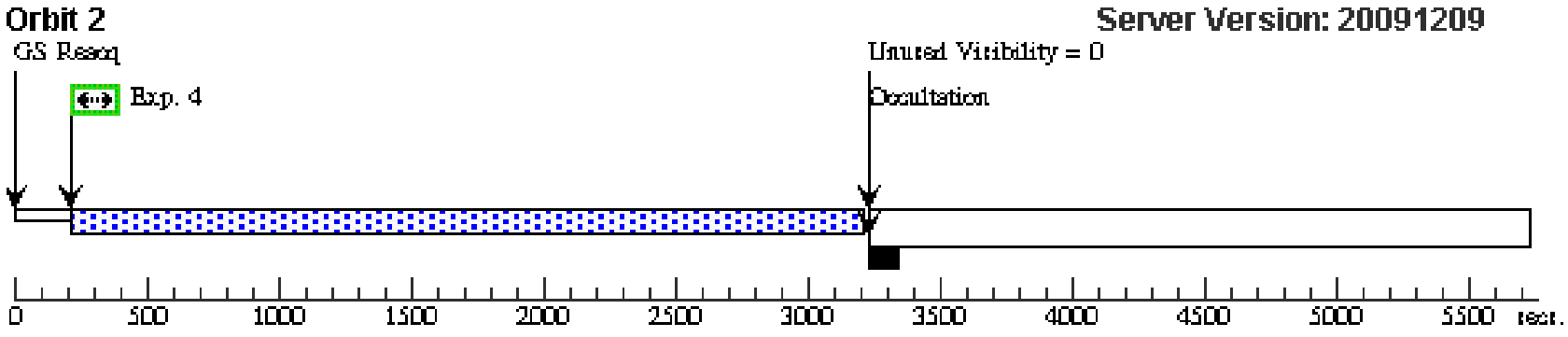
Comments: This object was generated by the targetselector and retrieved from the NED database. Coordinates from GSC2.3.

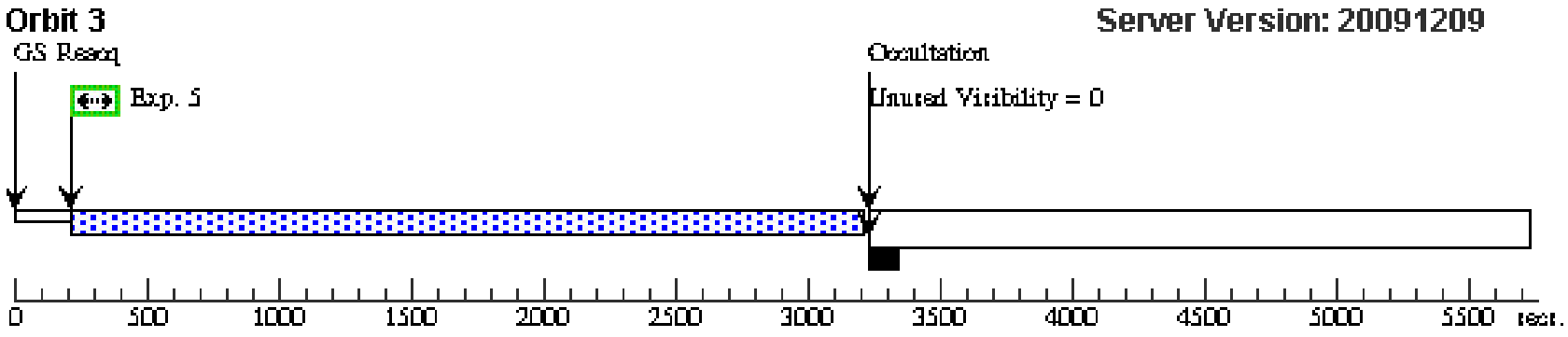
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	C G160M-1623 search	(3) LBQS-0107-023 2	COS/NUV, ACQ/SEARCH, PSA	MIRRORA	SCAN-SIZE=2			40.0 Secs *[==>]*	***[1]***
2	C G160M-1623 image	(3) LBQS-0107-023 2	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				40.0 Secs *[==>]*	***[1]***
3	C G160M-1623 science	(3) LBQS-0107-023 2	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2110; FP-POS=1			1800.0 Secs *[==>2113.0 Secs]*	***[1]***
4	C G160M-1623 science	(3) LBQS-0107-023 2	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2900; FP-POS=2			1800.0 Secs *[==>2948.0 Secs]*	***[2]***
5	C G160M-1623 science	(3) LBQS-0107-023 2	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2900; FP-POS=3			1800.0 Secs *[==>2948.0 Secs]*	***[3]***
6	C G160M-1623 science	(3) LBQS-0107-023 2	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2900; FP-POS=4			1800.0 Secs *[==>2948.0 Secs]*	***[4]***
7	C G160M-1623 science	(3) LBQS-0107-023 2	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2900; FP-POS=1			1800.0 Secs *[==>2948.0 Secs]*	***[5]***

Orbit Structure



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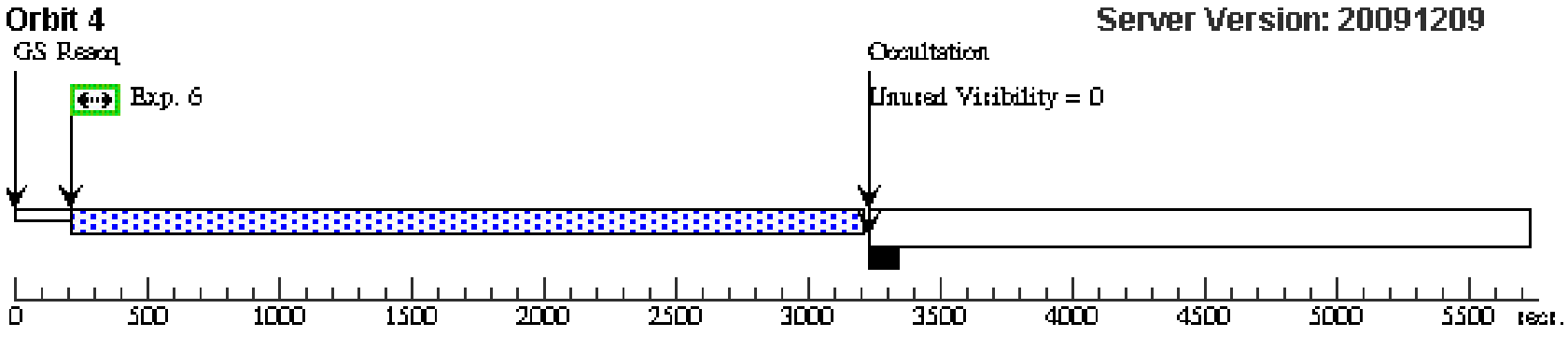
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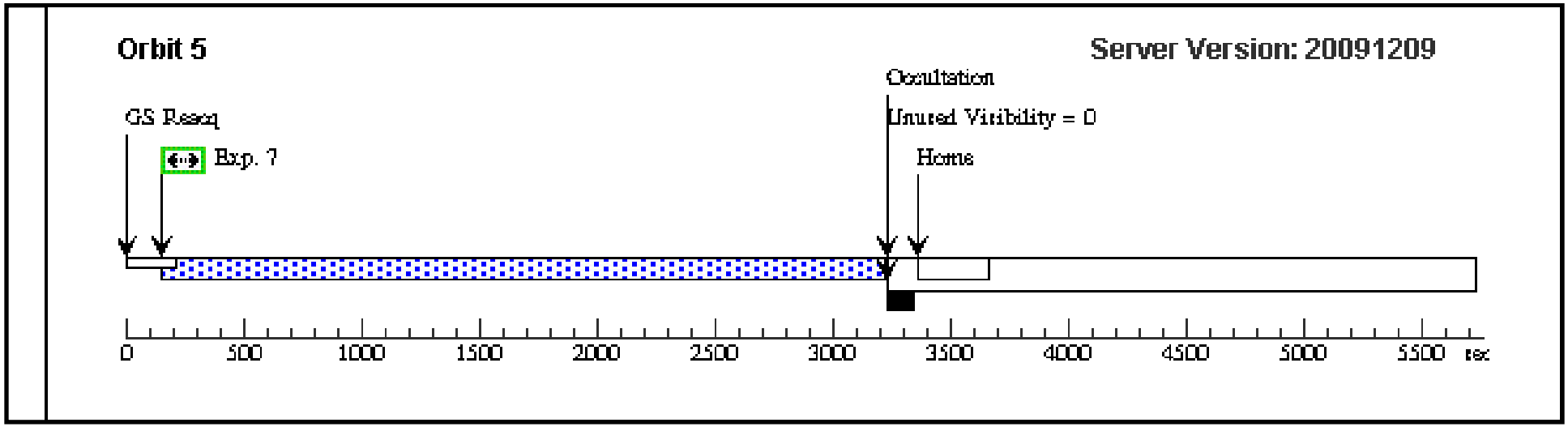
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Visit

Proposal 11585, Visit 15, implementation Tue Jan 26 02:05:32 GMT 2010

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Comments: C G160M 1623 5orbit II

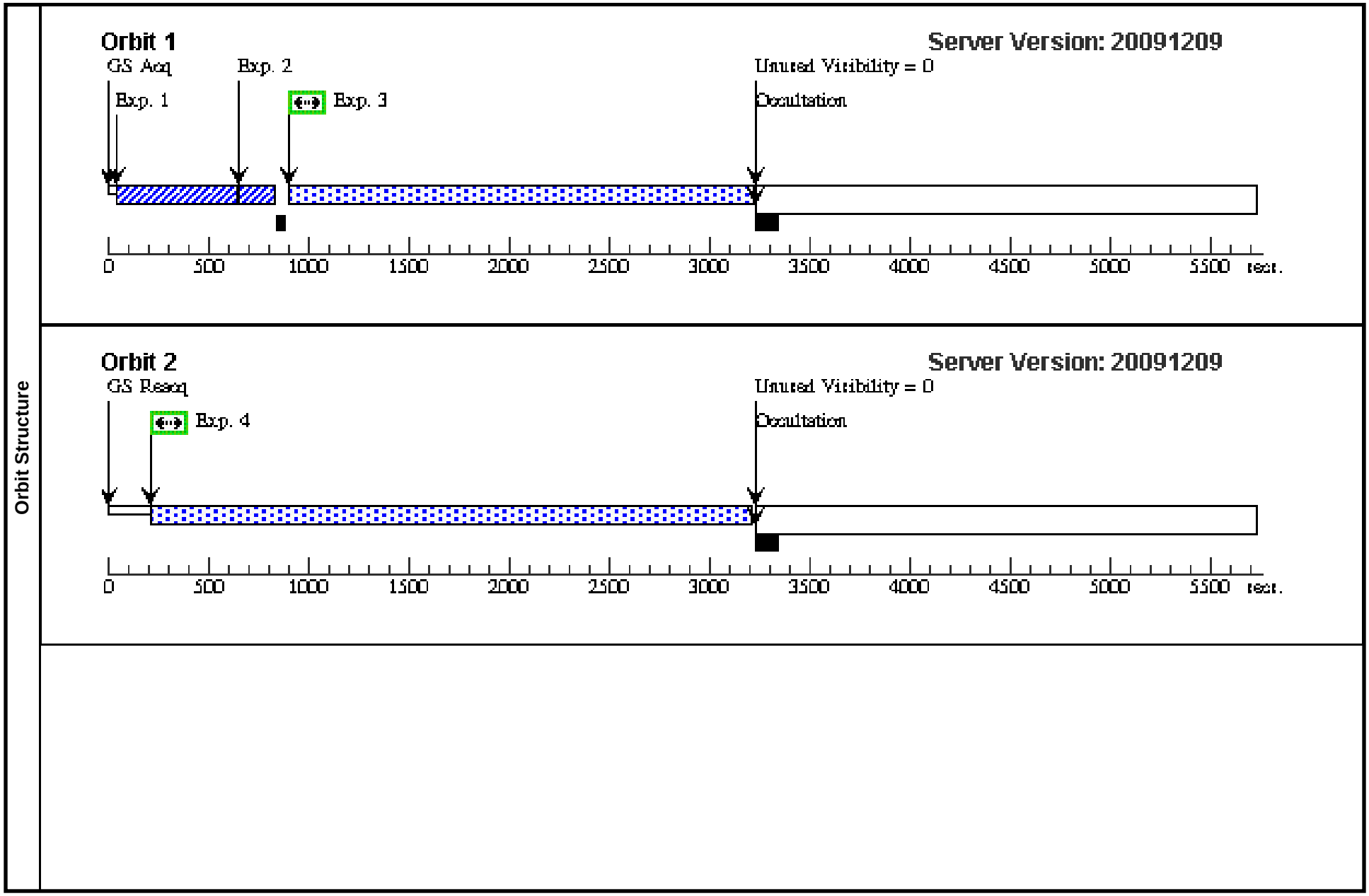
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(3)	LBQS-0107-0232 Alt Name1: S03P002795	RA: 01 10 14.4300 (17.5601250d) Dec: -02 16 57.60 (-2.28267d) Equinox: J2000		V=18.4+/-0.5 0.3 * 10^(-15) erg/s/cm2/Ang at 1700 Angstroms, GALEX fluxes: 74/27 microjans kies in NUV/FUV	Reference Frame: ICRS

Comments: This object was generated by the targetselector and retrieved from the NED database. Coordinates from GSC2.3.

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	C G160M-1623 search	(3) LBQS-0107-023 2	COS/NUV, ACQ/SEARCH, PSA	MIRRORA	SCAN-SIZE=2			40.0 Secs *[==>]*	*[1]*
2	C G160M-1623 image	(3) LBQS-0107-023 2	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				40.0 Secs *[==>]*	*[1]*
3	C G160M-1623 science	(3) LBQS-0107-023 2	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2110; FP-POS=1			1800.0 Secs *[==>2113.0 Secs]*	*[1]*
4	C G160M-1623 science	(3) LBQS-0107-023 2	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2900; FP-POS=2			1800.0 Secs *[==>2948.0 Secs]*	*[2]*
5	C G160M-1623 science	(3) LBQS-0107-023 2	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2900; FP-POS=3			1800.0 Secs *[==>2948.0 Secs]*	*[3]*
6	C G160M-1623 science	(3) LBQS-0107-023 2	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2900; FP-POS=4			1800.0 Secs *[==>2948.0 Secs]*	*[4]*
7	C G160M-1623 science	(3) LBQS-0107-023 2	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2900; FP-POS=1			1800.0 Secs *[==>2948.0 Secs]*	*[5]*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Orbit 2
Server Version: 20091209
GS Reacq
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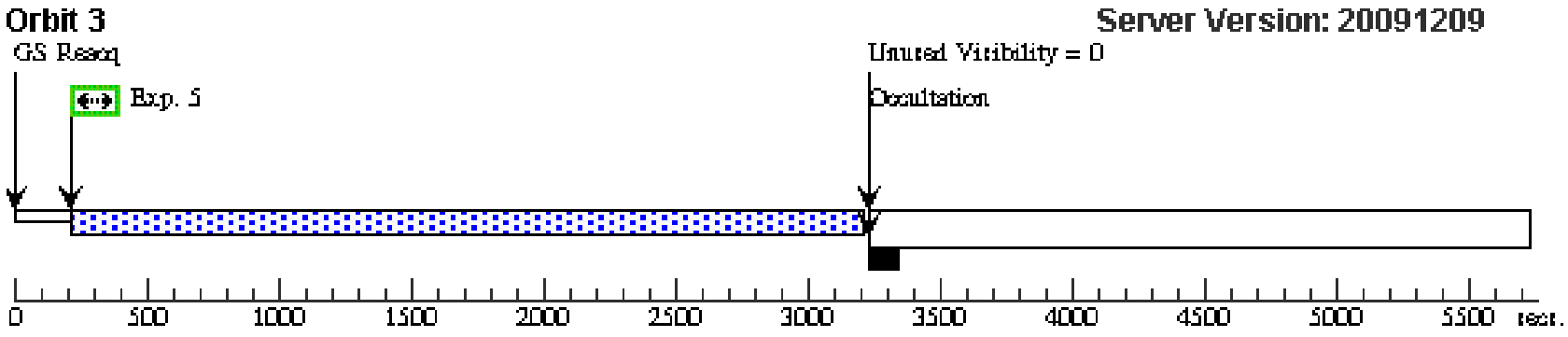
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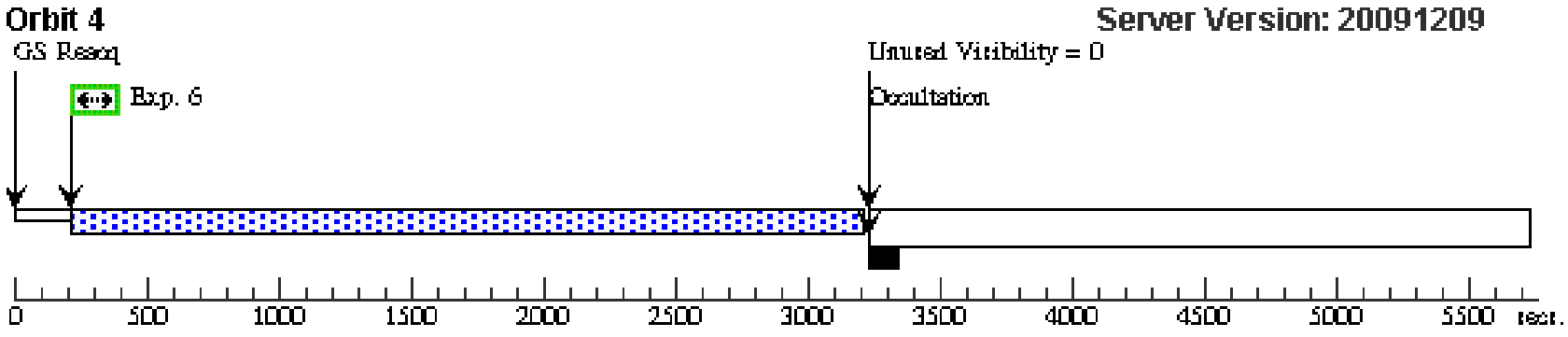
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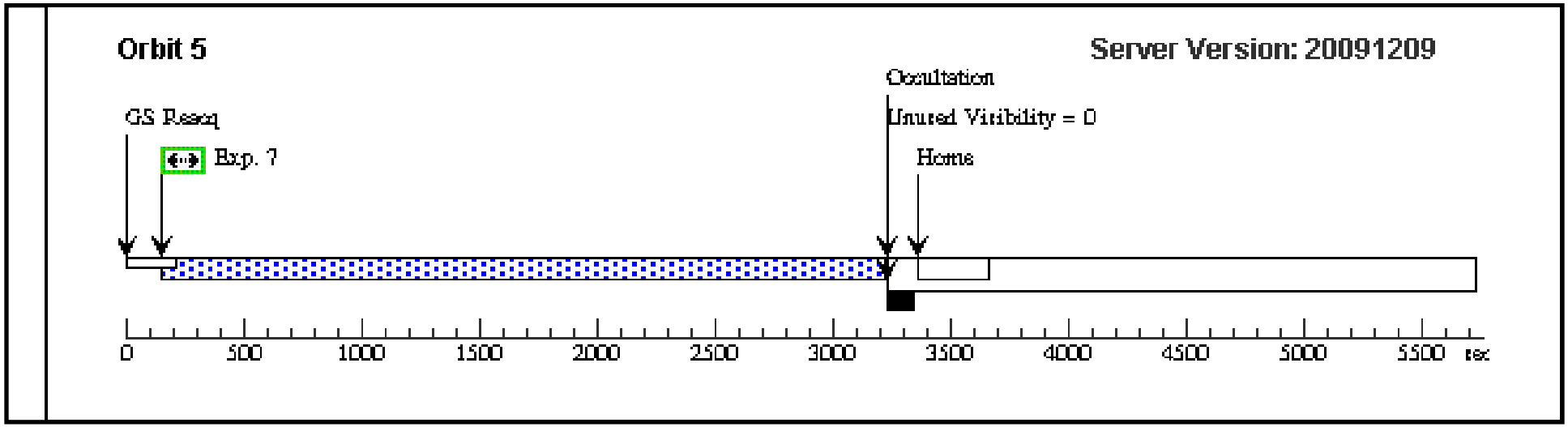
Orbit 5
Server Version: 20091209
Occultation
GS Reacq
Unused Visibility = 0
Exp. 7
Horns
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1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 11585, Visit 16, implementation Tue Jan 26 02:05:33 GMT 2010

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Comments: C G160M 1623 5orbit III

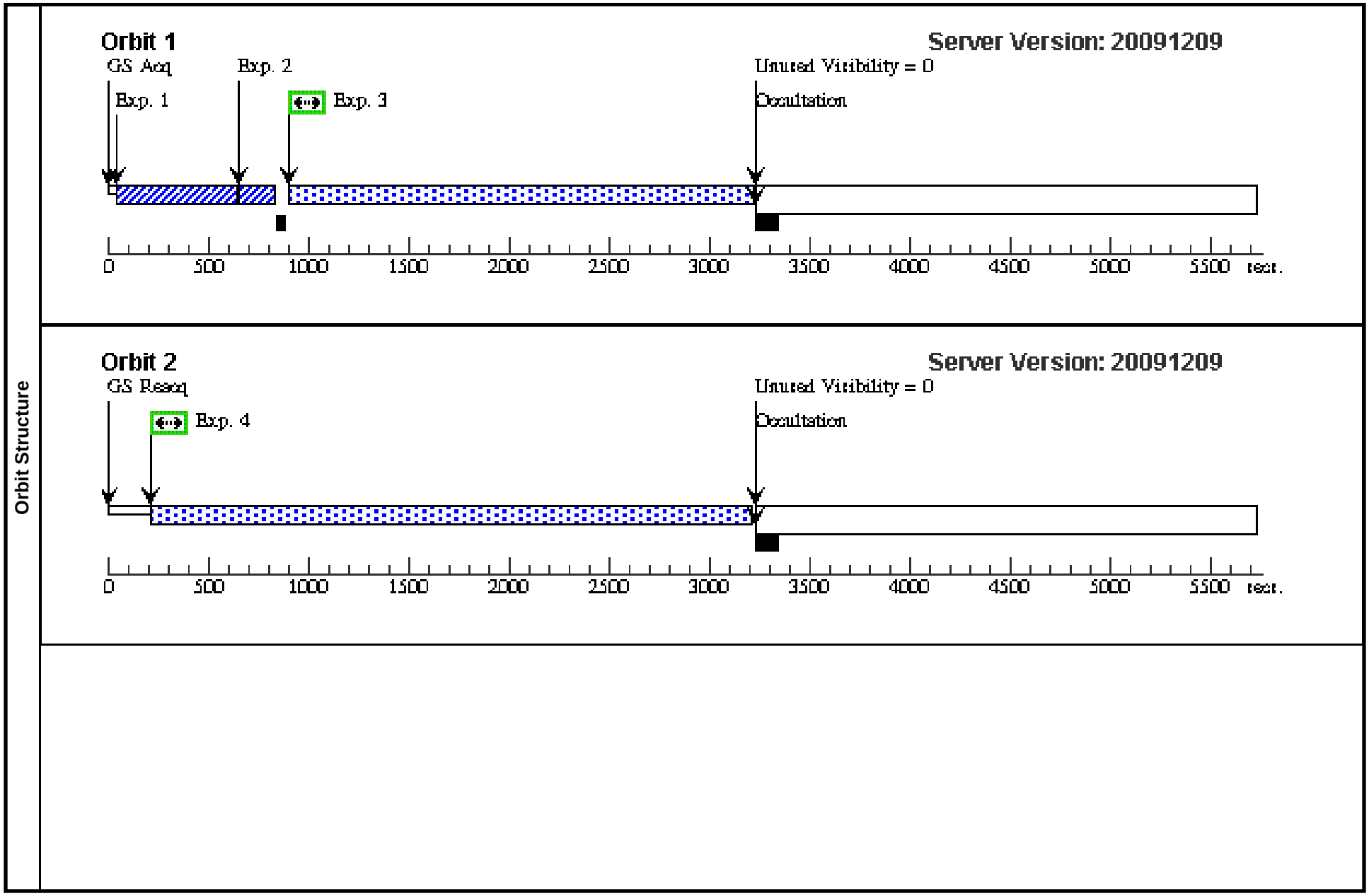
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(3)	LBQS-0107-0232 Alt Name1: S03P002795	RA: 01 10 14.4300 (17.5601250d) Dec: -02 16 57.60 (-2.28267d) Equinox: J2000		V=18.4+/-0.5 0.3 * 10^(-15) erg/s/cm2/Ang at 1700 Angstroms, GALEX fluxes: 74/27 microjans kies in NUV/FUV	Reference Frame: ICRS

Comments: This object was generated by the targetselector and retrieved from the NED database. Coordinates from GSC2.3.

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	C G160M-1623 search	(3) LBQS-0107-023 2	COS/NUV, ACQ/SEARCH, PSA	MIRRORA	SCAN-SIZE=2			40.0 Secs *[==>]*	***[1]***
2	C G160M-1623 image	(3) LBQS-0107-023 2	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				40.0 Secs *[==>]*	***[1]***
3	C G160M-1623 science	(3) LBQS-0107-023 2	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2110; FP-POS=1			1800.0 Secs *[==>2113.0 Secs]*	***[1]***
4	C G160M-1623 science	(3) LBQS-0107-023 2	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2900; FP-POS=2			1800.0 Secs *[==>2948.0 Secs]*	***[2]***
5	C G160M-1623 science	(3) LBQS-0107-023 2	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2900; FP-POS=3			1800.0 Secs *[==>2948.0 Secs]*	***[3]***
6	C G160M-1623 science	(3) LBQS-0107-023 2	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2900; FP-POS=4			1800.0 Secs *[==>2948.0 Secs]*	***[4]***
7	C G160M-1623 science	(3) LBQS-0107-023 2	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2900; FP-POS=1			1800.0 Secs *[==>2948.0 Secs]*	***[5]***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Exp. 2
Unused Visibility = 0
Exp. 1
Exp. 3
Occultation
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2000
2500
3000
3500
4000
4500
5000
5500
sec.
Orbit 2
Server Version: 20091209
GS Reacq
Unused Visibility = 0
Exp. 4
Occultation
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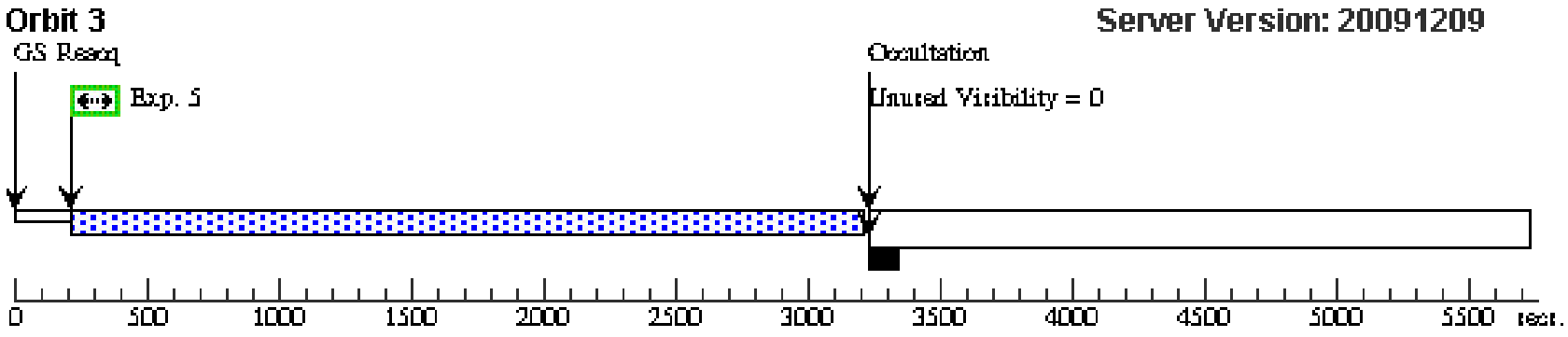
5500
sec.


Orbit 3
Server Version: 20091209
GS Reacq
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Occultation
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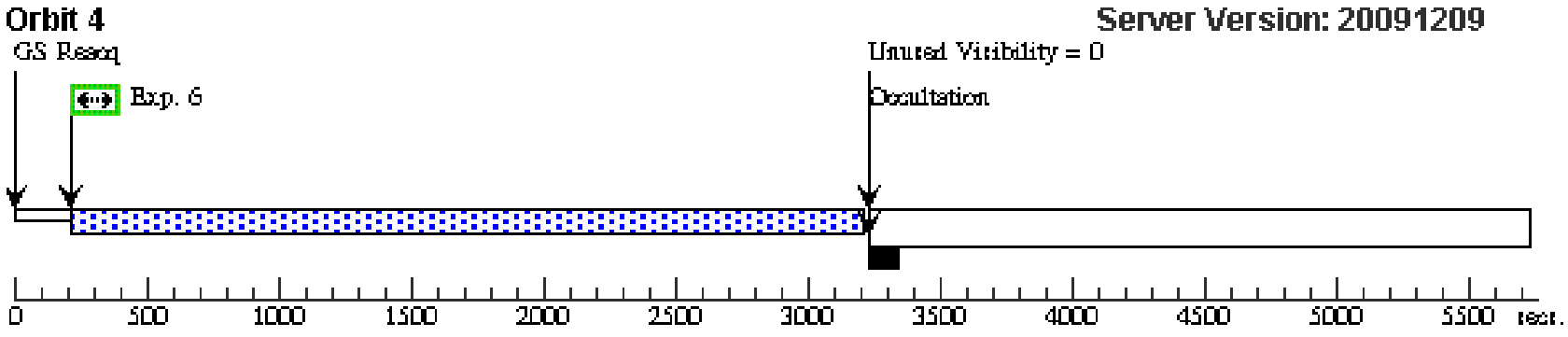
5000
5500
sec.


Orbit 4
Server Version: 20091209
GS Reacq
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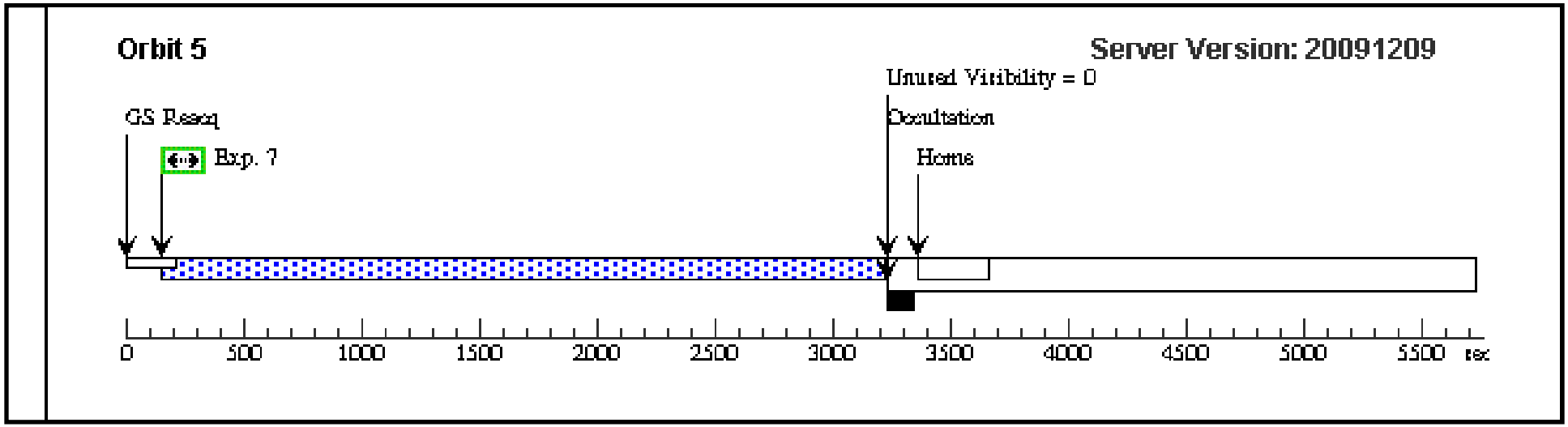
sec.


Orbit 5
Server Version: 20091209
Unused Vitibility = 0
GS Reacq
Exp. 7
Occultation
Horns
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1000
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4000
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5000
5500
sec