11598 - How Galaxies Acquire their Gas: A Map of Multiphase Accretion and Feedback in Gaseous Galaxy Halos

Cycle: 17, Proposal Category: GO

(Availability Mode: SUPPORTED)

INVESTIGATORS

Name	*Institution*	*E-Mail*
Dr. Jason Tumlinson (PI)	**Space Telescope Science Institute**	
Dr. Todd M. Tripp (CoI)	University of Massachusetts	
Dr. Jason X. Prochaska (CoI)	University of California - Santa Cruz	
Dr. Kenneth R. Sembach (CoI)	Space Telescope Science Institute	
Prof. Romeel Dave (CoI)	University of Arizona	
Dr. David Weinberg (CoI)	The Ohio State University Research Foundation	
Prof. Neal S. Katz (CoI)	University of Massachusetts	
Mr. Benjamin Darwin Oppenheimer (CoI)	University of Arizona	

VISITS

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
01	(1) SDSSJ113327.78+032719.1	COS/FUV COS/NUV	4	19-Oct-2010 21:01:26.0	yes
03	(3) SDSSJ115758.72-002220.8	COS/FUV COS/NUV	3	19-Oct-2010 21:01:35.0	yes
04	(4) SDSSJ161711.42+063833.4	COS/FUV COS/NUV	3	19-Oct-2010 21:01:41.0	yes

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
05	(5) SDSSJ004222.29-103743.8	COS/FUV COS/NUV	2	19-Oct-2010 21:01:48.0	yes
06	(6) SDSSJ124154.02+572107.3	COS/FUV COS/NUV	5	19-Oct-2010 21:01:53.0	yes
07	(7) SDSSJ101622.60+470643.3	COS/FUV COS/NUV	2	19-Oct-2010 21:01:58.0	yes
08	(8) SDSSJ155504.39+362848.0	COS/FUV COS/NUV	4	19-Oct-2010 21:02:03.0	yes
09	(9) SDSSJ080359.23+433258.4	COS/FUV COS/NUV	4	19-Oct-2010 21:02:08.0	yes
10	(10) SDSSJ234500.43-005936.0	COS/FUV COS/NUV	4	19-Oct-2010 21:02:13.0	yes
11	(11) SDSSJ132222.68+464535.2	COS/FUV COS/NUV	3	19-Oct-2010 21:02:18.0	yes
12	(12) SDSSJ143511.53+360437.2	COS/FUV COS/NUV	3	19-Oct-2010 21:02:25.0	yes
13	(13) SDSSJ100902.06+071343.8	COS/FUV COS/NUV	3	19-Oct-2010 21:02:30.0	yes
14	(14) SDSSJ151428.64+361957.9	COS/FUV COS/NUV	4	19-Oct-2010 21:02:35.0	yes
A4	(14) SDSSJ151428.64+361957.9	COS/FUV COS/NUV	4	19-Oct-2010 21:02:40.0	yes
15	(15) SDSSJ123304.05-003134.1	COS/FUV COS/NUV	4	19-Oct-2010 21:02:44.0	yes
16	(16) SDSSJ111239.11+353928.2	COS/FUV COS/NUV	4	19-Oct-2010 21:02:50.0	yes
17	(17) SDSSJ082024.21+233450.4	COS/FUV COS/NUV	4	19-Oct-2010 21:02:55.0	yes

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
18	(18) SDSSJ091029.75+101413.6	COS/FUV COS/NUV	5	19-Oct-2010 21:03:00.0	yes
21	(21) SDSSJ091440.38+282330.6	COS/FUV COS/NUV	5	19-Oct-2010 21:03:08.0	yes
22	(22) SDSSJ040148.98-054056.5	COS/FUV COS/NUV	4	19-Oct-2010 21:03:12.0	yes
23	(23) SDSSJ141910.20+420746.9	COS/FUV COS/NUV	3	19-Oct-2010 21:03:18.0	yes
24	(24) SDSSJ092554.70+400414.1	COS/FUV COS/NUV	3	19-Oct-2010 21:03:22.0	yes
25	(25) SDSSJ092837.98+602521.0	COS/FUV COS/NUV	2	19-Oct-2010 21:03:27.0	yes
26	(26) SDSSJ022614.46+001529.7	COS/FUV COS/NUV	3	19-Oct-2010 21:03:32.0	yes
27	(27) SDSSJ095000.73+483129.3	COS/FUV COS/NUV	2	19-Oct-2010 21:03:37.0	yes
28	(28) SDSSJ161649.42+415416.3	COS/FUV COS/NUV	3	19-Oct-2010 21:03:42.0	yes
29	(29) SDSSJ102218.99+013218.8	COS/FUV COS/NUV	2	19-Oct-2010 21:03:46.0	yes
30	(30) SDSSJ161916.54+334238.4	COS/FUV COS/NUV	5	19-Oct-2010 21:03:51.0	yes
31	(31) SDSSJ123335.07+475800.4	COS/FUV COS/NUV	3	19-Oct-2010 21:03:56.0	yes
32	(32) SDSSJ133045.15+281321.4	COS/FUV COS/NUV	4	19-Oct-2010 21:04:01.0	yes
33	(33) SDSSJ155304.92+354828.6	COS/FUV COS/NUV	2	19-Oct-2010 21:04:05.0	yes

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
A3	(33) SDSSJ155304.92+354828.6	COS/FUV COS/NUV	2	19-Oct-2010 21:04:10.0	yes
34	(34) SDSSJ225738.20+134045.4	COS/FUV COS/NUV	3	19-Oct-2010 21:04:15.0	yes
35	(35) SDSSJ155048.29+400144.9	COS/FUV COS/NUV	3	19-Oct-2010 21:04:20.0	yes
36	(36) SDSSJ124511.25+335610.1	COS/FUV COS/NUV	4	19-Oct-2010 21:04:26.0	yes
38	(38) SDSSJ143726.14+504555.8	COS/FUV COS/NUV	5	19-Oct-2010 21:04:33.0	yes
39	(39) SDSSJ134251.60-005345.3	COS/FUV COS/NUV	2	19-Oct-2010 21:04:37.0	yes
40	(40) SDSSJ144511.28+342825.4	COS/FUV COS/NUV	5	19-Oct-2010 21:04:43.0	yes
41	(41) SDSSJ122035.10+385316.4	COS/FUV COS/NUV	2	19-Oct-2010 21:04:47.0	yes
42	(42) SDSSJ094331.61+053131.4	COS/FUV COS/NUV	3	19-Oct-2010 21:04:52.0	yes
43	(43) SDSSJ093518.19+020415.5	COS/FUV COS/NUV	3	19-Oct-2010 21:04:57.0	yes
44	(13) SDSSJ100902.06+071343.8	WFC3/UVIS	2	19-Oct-2010 21:05:07.0	yes
A5	(26) SDSSJ022614.46+001529.7	COS/FUV COS/NUV	1	19-Oct-2010 21:05:11.0	yes

141 Total Orbits Used

ABSTRACT

We propose to address two of the biggest open questions in galaxy formation - how galaxies acquire their gas and how they return it to the IGM - with a concentrated COS survey of diffuse multiphase gas in the halos of SDSS galaxies at z = 0.15 - 0.35. Our chief science goal is to establish a

basic set of observational facts about the physical state, metallicity, and kinematics of halo gas, including the sky covering fraction of hot and cold material, the metallicity of infall and outflow, and correlations with galaxy stellar mass, type, and color - all as a function of impact parameter from 10 - 150 kpc. Theory suggests that the bimodality of galaxy colors, the shape of the luminosity function, and the mass-metallicity relation are all influenced at a fundamental level by accretion and feedback, yet these gas processes are poorly understood and cannot be predicted robustly from first principles. We lack even a basic observational assessment of the multiphase gaseous content of galaxy halos on 100 kpc scales, and we do not know how these processes vary with galaxy properties. This ignorance is presently one of the key impediments to understanding galaxy formation in general. We propose to use the high-resolution gratings G130M and G160M on the Cosmic Origins Spectrograph to obtain sensitive column density measurements of a comprehensive suite of multiphase ions in the spectra of 43 z < 1 QSOs lying behind 43 galaxies selected from the Sloan Digital Sky Survey. In aggregate, these sightlines will constitute a statistically sound map of the physical state and metallicity of gaseous halos, and subsets of the data with cuts on galaxy mass, color, and SFR will seek out predicted variations of gas properties with galaxy properties. Our interpretation of these data will be aided by state-of-the-art hydrodynamic simulations of accretion and feedback, in turn providing information to refine and test such models. We will also use Keck, MMT, and Magellan (as needed) to obtain optical spectra of the QSOs to measure cold gas with Mg II, and optical spectra of the galaxies to measure SFRs and to look for outflows. In addition to our other science goals, these observations will help place the Milky Way's population of multiphase, accreting High Velocity Clouds (HVCs) into a global context by identifying analogous structures around other galaxies. Our program is designed to make optimal use of the unique capabilities of COS to address our science goals and also generate a rich dataset of other absorption-line systems along a significant total pathlength through the IGM (Delta z ~ 20).

OBSERVING DESCRIPTION

Our strategic goal is to build a sample of QSO/galaxy pairs with rho < 150 kpc to study multi-phase gas in galactic halos and its dependence on galaxy properties. Together, G130M and G160M range over 1150 - 1750 A, which gives us access to a host of important ionization, density, and metallicity diagnostics, most importantly the O VI doublet, 1031/1037 A, which is a sensitive tracer of hot gas. The galaxy redshifts are chosen to place them in the ``sweet spot'' of z = 0.15 - 0.35, where these ions will be covered on at least one of the grating settings and where O VI falls near the peak of system efficiency (telescope + COS/G130M) at ~ 1300 A.

The ionization species we will measure are commonly detected in IGM and Milky Way HVC studies, where column-density detection limits are similar to our own and complex multiphase absorbers are well-known. Previous studies of such material have taught us how to extract all the ``derived observables'' from absorption-line measurements of the suite of multiphase ions. The multiplicity of interesting lines minimizes the possibility of confusing O VI with intervening and unrelated Lyalpha absorbers at lower redshift. Contamination by Galactic absorption is expected to be minimal, and confusion with foreground Lyalpha absorbers z < 0.11 in the < 1350$ A range is also known to be small from previous survey

work (Penton, Stocke, \& Shull 2002). These observations will provide a rich database of randomly placed absorbers also in the sightline and therefore will be a valuable contribution to the archive for many IGM problems aside from our own.

Another key feature of our program is that we are selecting a sample of QSO sightlines based on foreground galaxy properties. We derive galaxy stellar masses from the SDSS photometry and the empirical relation in McIntosh et al. (2008; Equation 1). Once the raw QSO/galaxy catalog is in hand, we make several cuts to arrive at the final sample. First, we require that the QSOs have z < 1 and a measured GALEX FUV flux. Second, we require that 0.11 + 1.5sigma _z < z_photo < z_QSO - 1.5sigma _z, to ensure that O VI falls above 1150 A and that the galaxy does not lie too close to the QSO in redshift (most galaxies safely meet these limits by >2 sigma on either side, so there is negligible risk of a galaxy falling outside the covered range). Third, we use the calculated stellar masses, M_*, and impact parameter, rho, to evenly populate a binned parameter space with Delta log M_* = 0.25 and Delta rho = 25 kpc. The goal of this binning is to have two galaxies in every bin with log M_* < 10.5 - 10.7 (the hot-cold transition mass) and 1 galaxy in every bin above this up to log M_* \simeq 11.0. These 1 or 2 galaxies are chosen by hand to compromise between the 1 or 2 brightest QSOs and the smallest error in the photozs. Not every bin is populated in this way because of the other cuts, but this technique ensures a relatively even sampling of the parameter space in galaxy properties. This process leaves us with 43 targets and requires 134 orbits. This sample lies 2/3 below the transition mass, where we are especially interested in probing accretion in small galaxies. Note that bimodality in galaxy color is designed into our sample to test for the predicted change in accretion properties from red (N = 13) to blue (N = 30) galaxies.

Exposure times: Most of our target QSOs are newly discovered by SDSS, and so have not been observed spectroscopically in the UV before. To ensure sufficient flux in the G130M/G160M bands we have cross-referenced our QSO catalog with the GALEX DR3 all-sky survey (AIS) and selected only QSOs with a significant detection in the GALEX FUV band (~ 1500 \AA). Measured GALEX FUV fluxes for our sample range from 80 - 500 microJy, or 1 - 6 x 10^-15 erg cm^-2 s^-1 A^-1. QSO spectra typically rise toward the blue, so this is a slight underestimate of the flux at 1300 Ang and provides a margin of safety.

We use the COS online ETC to calculate that we will achieve S/N = 8-12 per resolution element over 1150 - 1750 A with 2-5 orbit exposures for our target objects, assuming G130M centered at 1309 A, G160M centered at 1600 A, and the primary science aperture. The exposure time is roughly equally divided between the two gratings, with a shift of central wavelength halfway through the full exposure for each grating to fill the ~ 15 A gap between detector segments. These S/N ratios will give 4sigma equivalent width sensitivity of ~20-40 mA across the band, and will yield column density sensitivity of 10^12-13 cm^-2 in the various ions. Use of the GALEX fluxes means that we do not need to correct for interstellar extinction, which in any case is E(B-V) <~ 0.1 for these high-latitude targets. We have assumed 43 minutes visibility per orbit (per instructions for large programs) and typical overheads for guide star and target acquisition and COS setups. To minimize the probability of an intervening Lyman limit

system we have chosen only QSOs with z_em < 1 and used the SDSS spectra to verify that none have intervening Mg II absorbers with W_MgII > 0.3 A, down to z ~ 0.3. These g >~ 17 mag QSOs present no bright-limit threat to COS.

Notes on Acquisitions:

Adopt ACQ/SEARCH, 2x2, STEP_SIZE = 1.767 for every target, except the 10 faintest of the 14 2-orbit targets, where the extra 6-7 minutes of exposure time is needed to ensure we meet our S/N goals. For these, we impose special requirement AFTER=March 31, 2009, in the expectation that by then ACQ/IMAGE will be reliable for high-quality coordinates such as these. We also tune exposure times for S/N = 40 for ACQ/IMAGE for these targets, and S/N = 30 for ACQ/IMAGE and ACQ/SEARCH for all the other targets.

Bright-object checking for target acquisitions: The Phase II ISR says use 1 mag brighter for bright-object check on ACQs. Brightest target here has GALEX NUV = 16.48, and this one is acquired in 11 sec at S/N = 30 for MIRRORB and PSA. It has 12 ct/s in the brightest pixel, and 86 ct/s in the 9x9 selcted region (ETC COS78205). At one magnitude brighter (GALEX NUV=15.48), this target is still safe to acquire with MIRRORB in the NUV, with 30 ct/s in the brightest pixel, 215 ct/s in the selected region, and 540 on the entire detector (ETC COS78206). For program targets with multi-epoch GALEX data, the true variability of these QSOs is of order ~< 0.2 mag, much less than this 1 mag assumption. For this reason, and because our brightest target is safe to acquire, all our targets are safe to acquire in NUV imaging with MIRRORB.

Visit

Proposal 11598, Visit 01, completed Wed Oct 20 01:05:16 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Diagnostics

(Visit 01) Warning (Orbit Planner): VISIBILITY OVERRUN

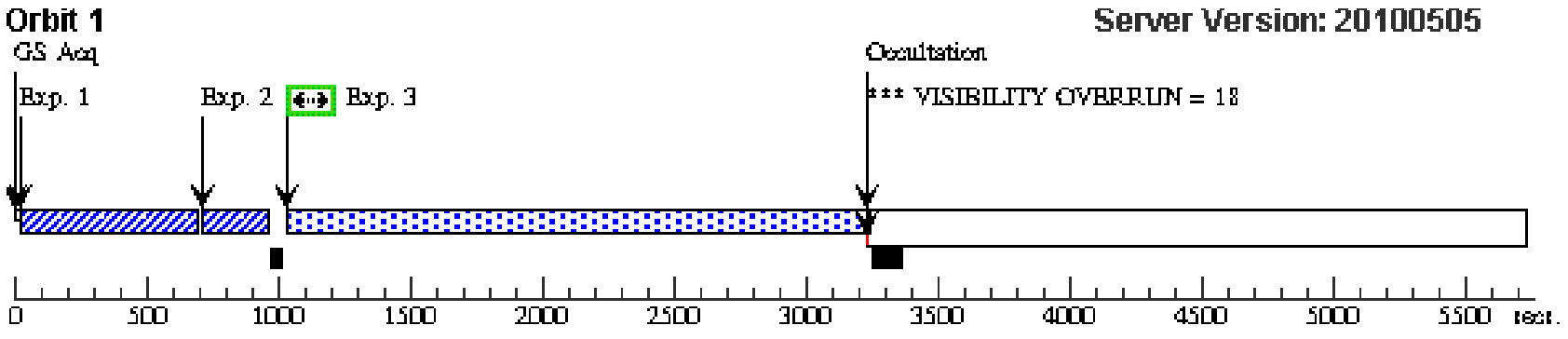
Fixed Targets

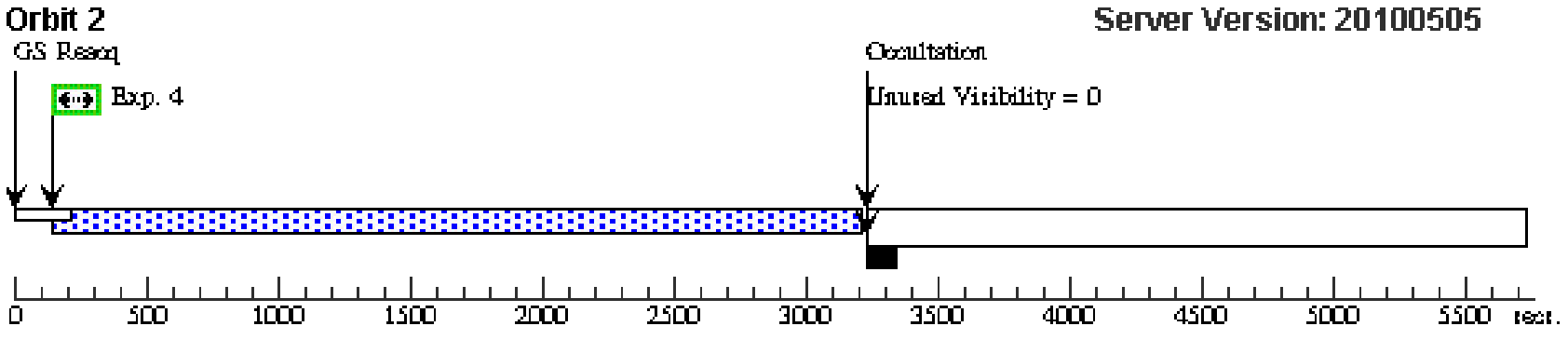
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	SDSSJ113327.78+032719.1	RA: 11 33 27.7892 (173.3657883d) Dec: +03 27 19.17 (3.45532d) Equinox: J2000		V=17.54+/-0.1	Reference Frame: ICRS

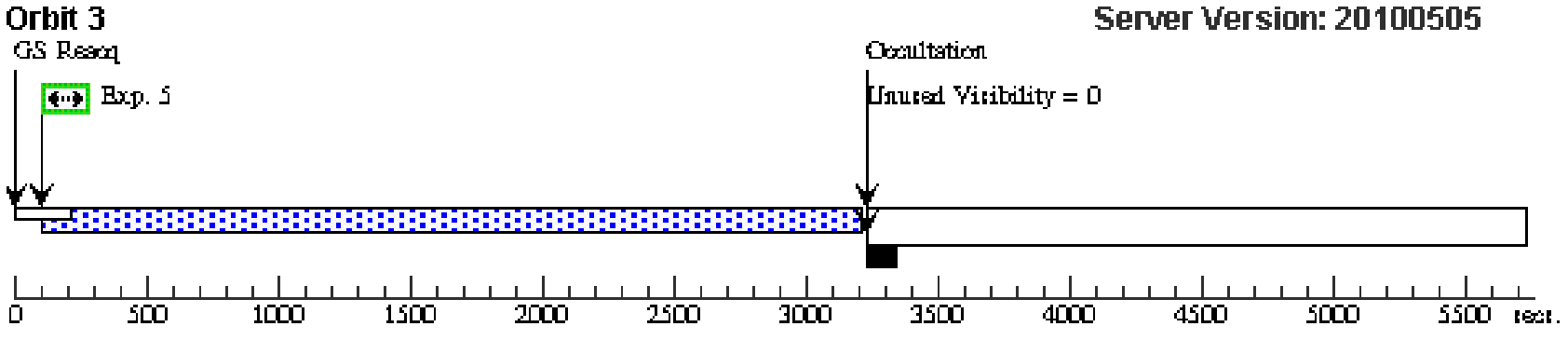
Exposures

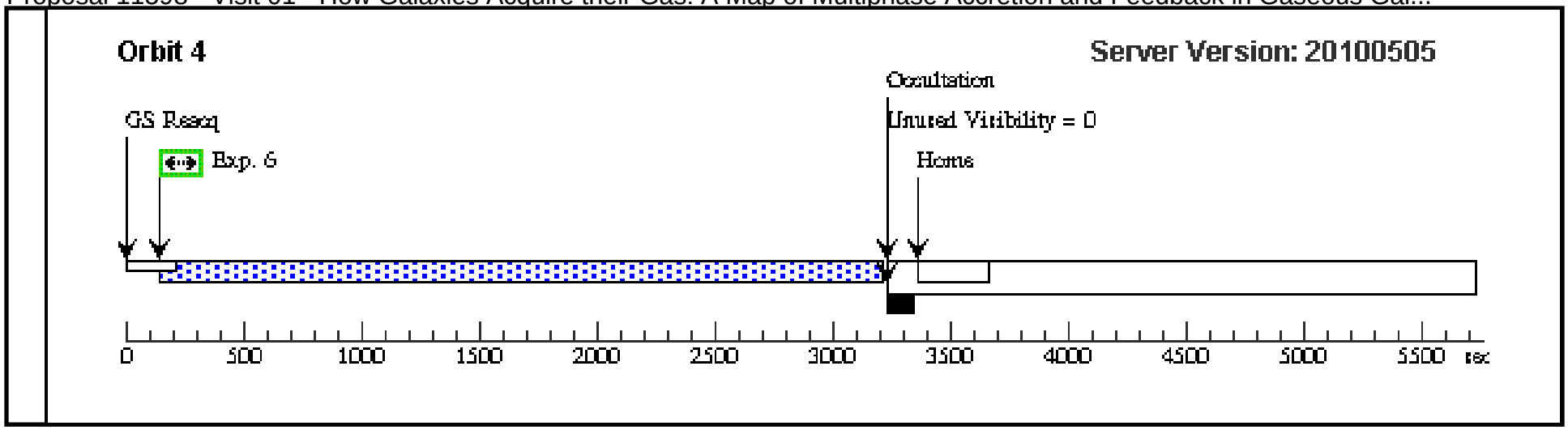
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	Target Acq	(1) SDSSJ113327.78+032719.1	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2; STEP-SIZE=1.767; CENTER=FLUX-WT			55.0 Secs *[==>]*	 ***[1]***
2	Target Acq	(1) SDSSJ113327.78+032719.1	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				55.0 Secs *[==>]*	 ***[1]***
3		(1) SDSSJ113327.78+032719.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=1960; FLASH=YES			2045 Secs *[==>]*	 ***[1]***
4		(1) SDSSJ113327.78+032719.1	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=2865; FLASH=YES			2948.0 Secs *[==>]*	 ***[2]***
5		(1) SDSSJ113327.78+032719.1	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=2865; FLASH=YES			2948.0 Secs *[==>]*	 ***[3]***
6		(1) SDSSJ113327.78+032719.1	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2865; FLASH=YES			2948.0 Secs *[==>]*	 ***[4]***

Orbit Structure








Orbit 4
Server Version: 20100505
Occultation
GS Reacq
Unused Visibility = 0
Exp. 6
Horns
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 11598, Visit 03, completed Wed Oct 20 01:05:17 GMT 2010

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

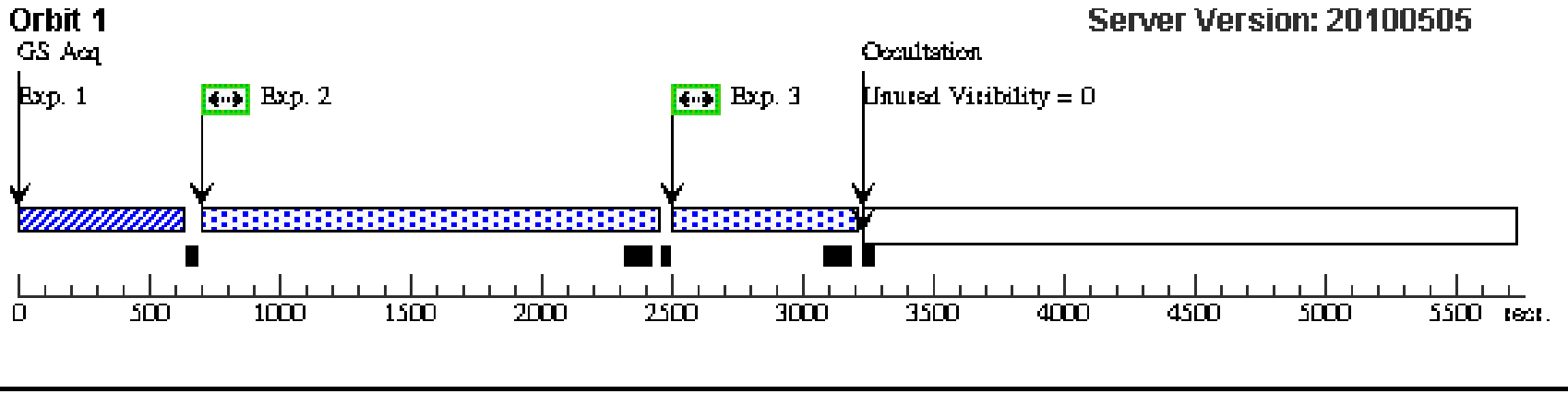
Fixed Targets

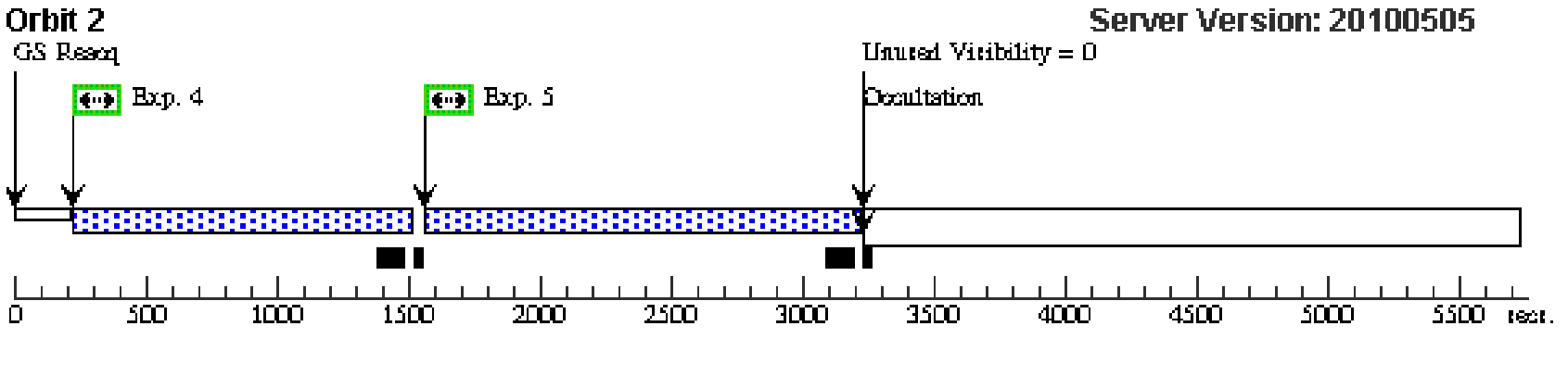
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(3)	SDSSJ115758.72-002220.8	RA: 11 57 58.7281 (179.4947004d) Dec: -00 22 20.86 (-.37246d) Equinox: J2000		V=16.88+/-0.1	Reference Frame: ICRS

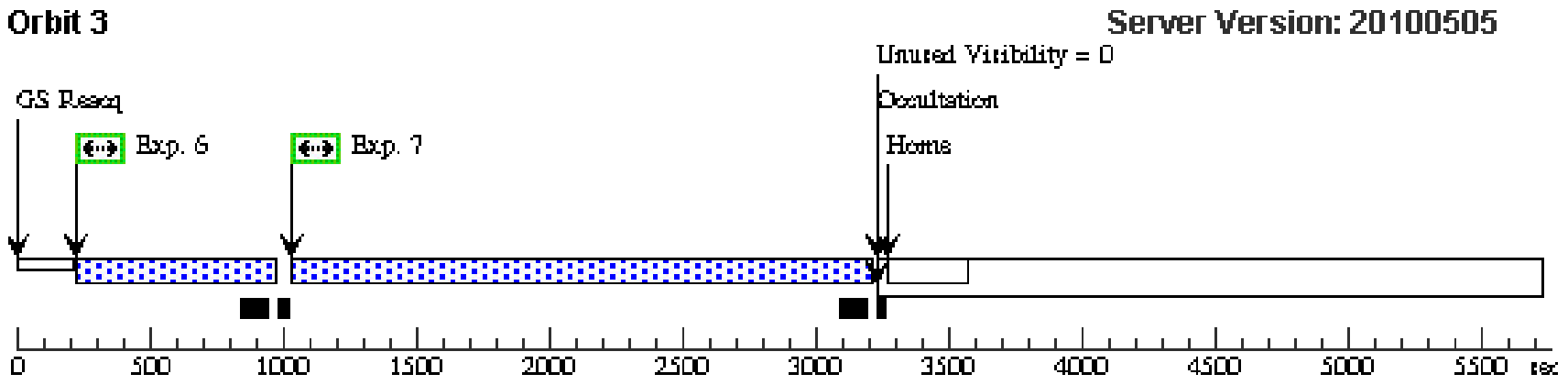
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	Target Acq	(3) SDSSJ115758.72-002220.8	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				100.0 Secs *[==>]*	*[1]*
2		(3) SDSSJ115758.72-002220.8	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=1480; FLASH=YES			1590.0 Secs *[==>]*	*[1]*
3		(3) SDSSJ115758.72-002220.8	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=470; FLASH=YES			589.0 Secs *[==>]*	*[1]*
4		(3) SDSSJ115758.72-002220.8	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=1128; FLASH=YES			1238 Secs *[==>]*	*[2]*
5		(3) SDSSJ115758.72-002220.8	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=1382; FLASH=YES			1492.0 Secs *[==>]*	*[2]*
6		(3) SDSSJ115758.72-002220.8	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=590; FLASH=YES			700 Secs *[==>]*	*[3]*
7		(3) SDSSJ115758.72-002220.8	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=1950; FLASH=YES			2060 Secs *[==>]*	*[3]*

Orbit Structure







Visit

Proposal 11598, Visit 04, completed Wed Oct 20 01:05:18 GMT 2010

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: AFTER 30-NOV-2009:00:00:00

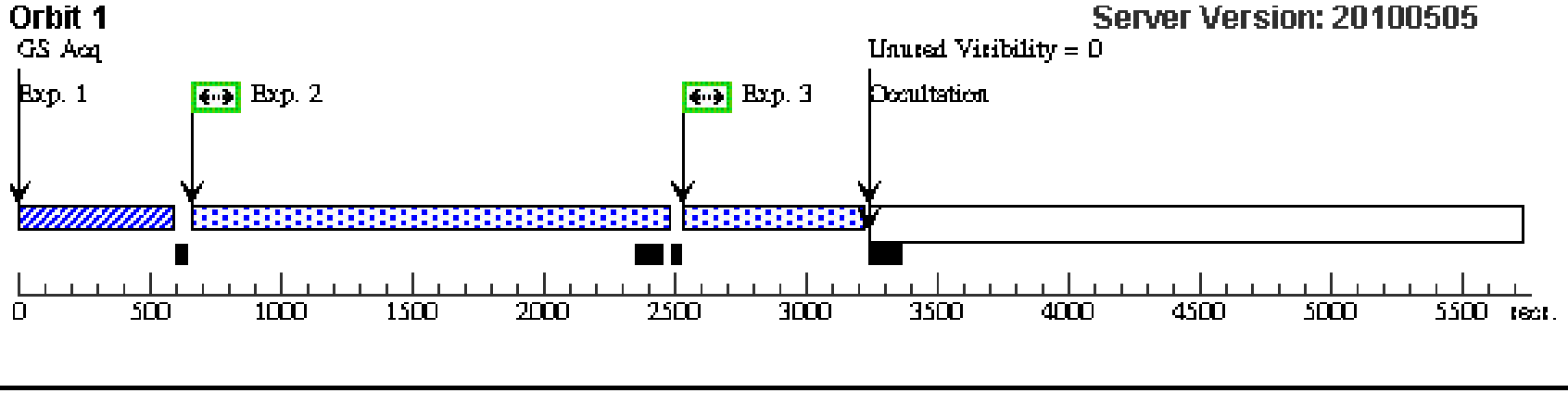
Fixed Targets

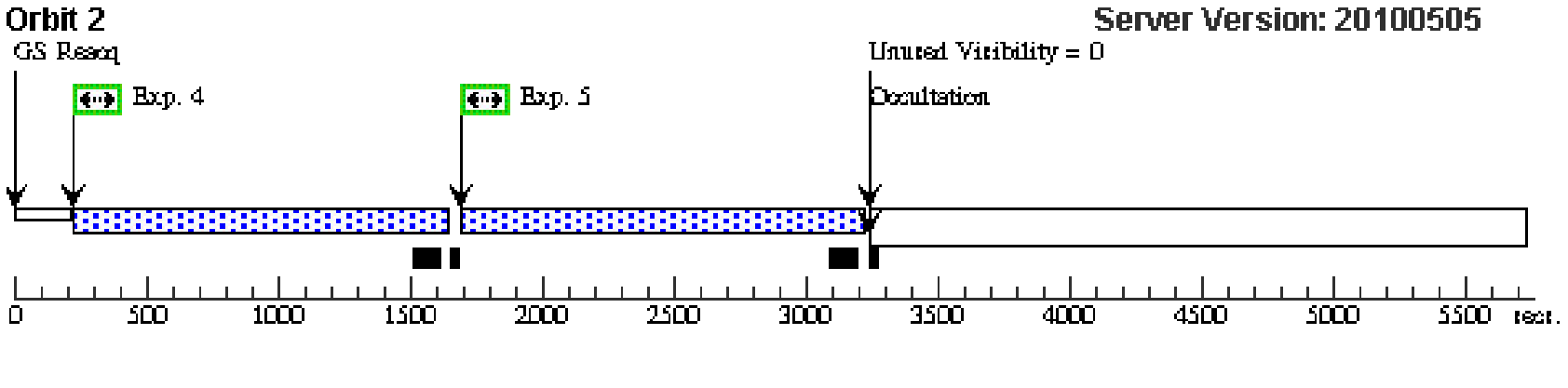
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(4)	SDSSJ161711.42+063833.4	RA: 16 17 11.4221 (244.2975921d) Dec: +06 38 33.50 (6.64264d) Equinox: J2000		V=17.00+/-0.1	Reference Frame: ICRS

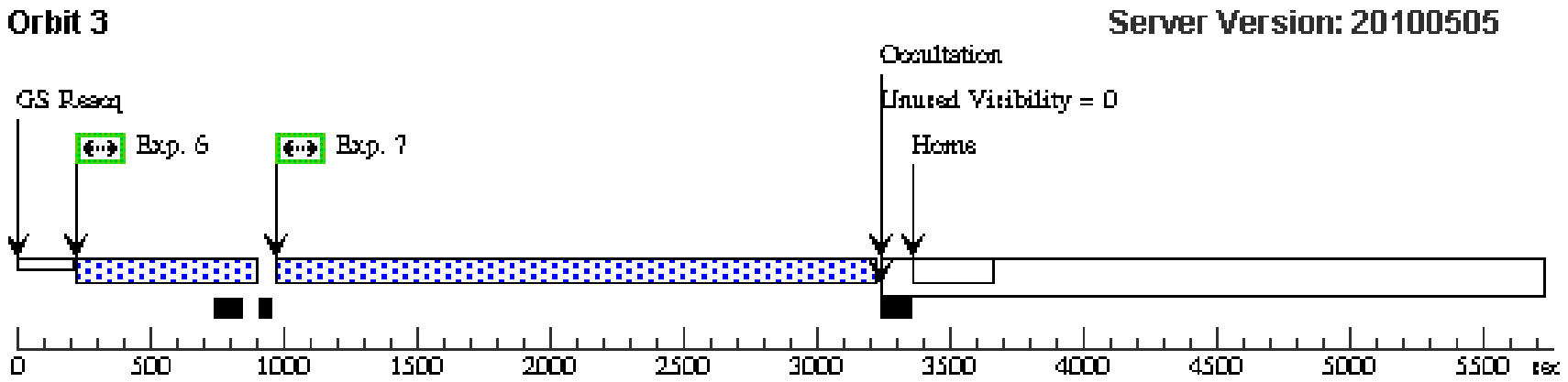
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	Target Acq	(4) SDSSJ161711.42+063833.4	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				80.0 Secs *[==>]*	***[1]***
2		(4) SDSSJ161711.42+063833.4	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=1550; FLASH=YES			1660.0 Secs *[==>]*	***[1]***
3		(4) SDSSJ161711.42+063833.4	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=490; FLASH=YES			567.0 Secs *[==>]*	***[1]***
4		(4) SDSSJ161711.42+063833.4	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=1259; FLASH=YES			1369.0 Secs *[==>]*	***[2]***
5		(4) SDSSJ161711.42+063833.4	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=1259; FLASH=YES			1369.0 Secs *[==>]*	***[2]***
6		(4) SDSSJ161711.42+063833.4	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=490; FLASH=YES			631.0 Secs *[==>]*	***[3]***
7		(4) SDSSJ161711.42+063833.4	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2038; FLASH=YES			2128.0 Secs *[==>]*	***[3]***

Orbit Structure







Visit

Proposal 11598, Visit 05, completed Wed Oct 20 01:05:19 GMT 2010

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

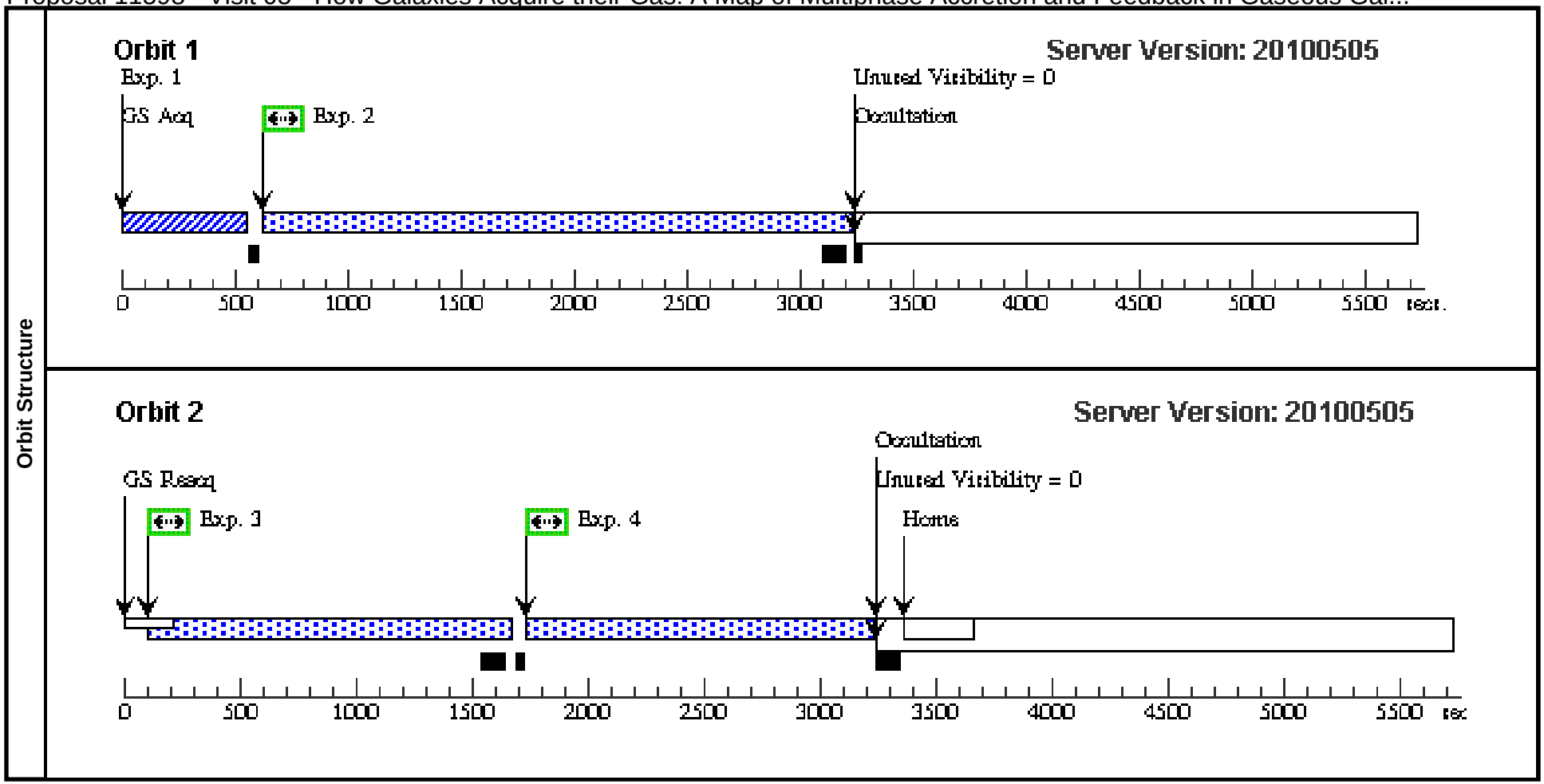
Special Requirements: (none)

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(5)	SDSSJ004222.29-103743.8	RA: 00 42 22.2908 (10.5928783d) Dec: -10 37 43.81 (-10.62884d) Equinox: J2000		V=16.35+/-0.1 FUVmag = 17.44	Reference Frame: ICRS

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	Target Acq	(5) SDSSJ004222.29-103743.8	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				60 Secs *[==>]*	*[1]*
2		(5) SDSSJ004222.29-103743.8	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=2338; FLASH=YES			2448.0 Secs *[==>]*	*[1]*
3		(5) SDSSJ004222.29-103743.8	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=1295; FLASH=YES			1407.0 Secs *[==>]*	*[2]*
4		(5) SDSSJ004222.29-103743.8	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=1395; FLASH=YES			1374.0 Secs *[==>]*	*[2]*


Orbit Structure
Orbit 1
Server Version: 20100505
Exp. 1
GS Acq
Exp. 2
Unused Visibility = 0
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec.
Orbit 2
Server Version: 20100505
Occultation
GS Reacq
Unused Visibility = 0
Exp. 3
Exp. 4
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 11598, Visit 06, completed Wed Oct 20 01:05:19 GMT 2010

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

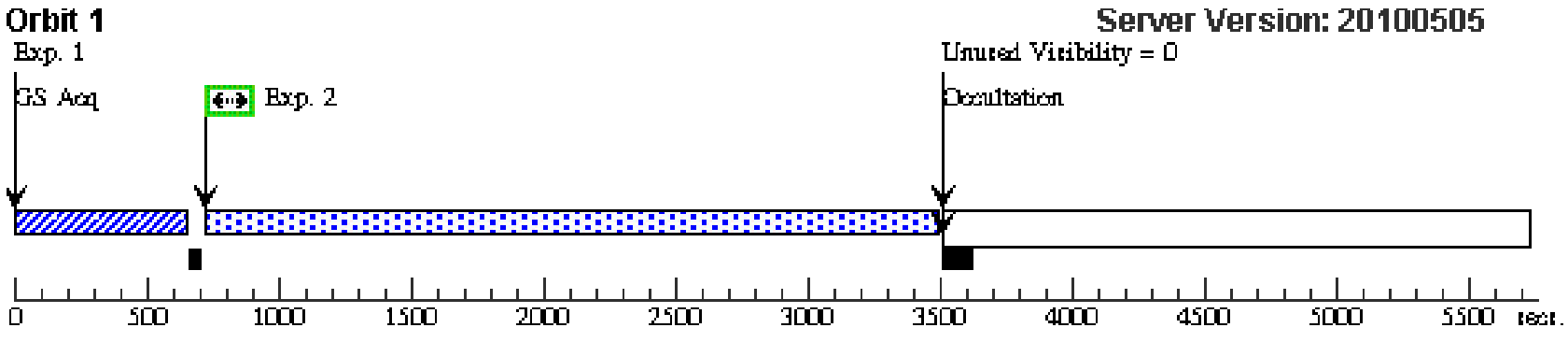
Fixed Targets

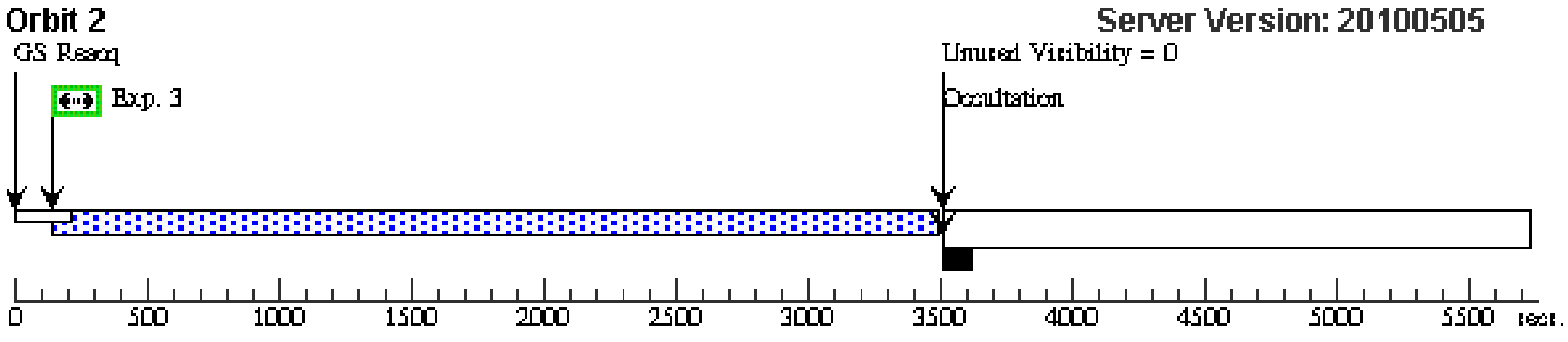
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(6)	SDSSJ124154.02+572107.3	RA: 12 41 54.0221 (190.4750921d) Dec: +57 21 7.38 (57.35205d) Equinox: J2000		V=17.58+/-0.1	Reference Frame: ICRS

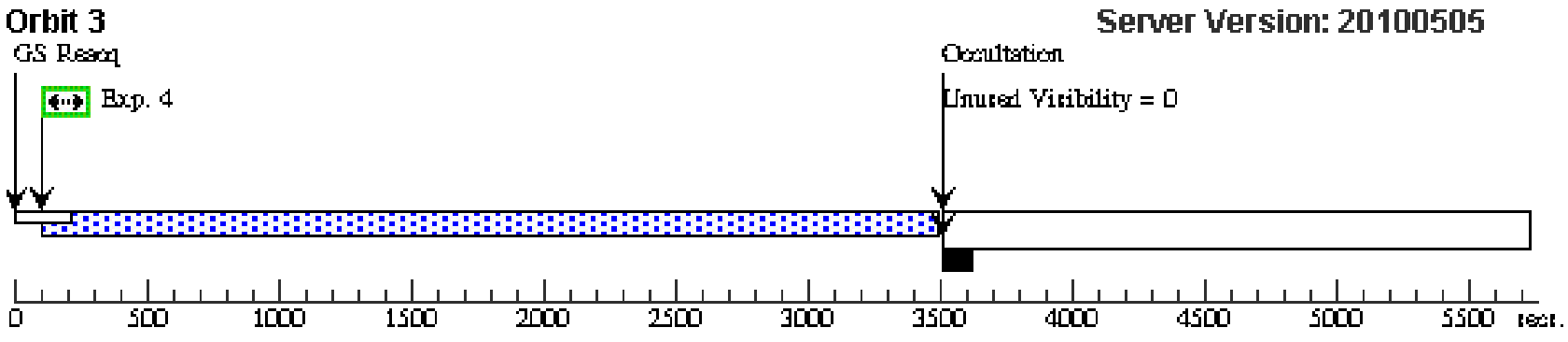
Exposures

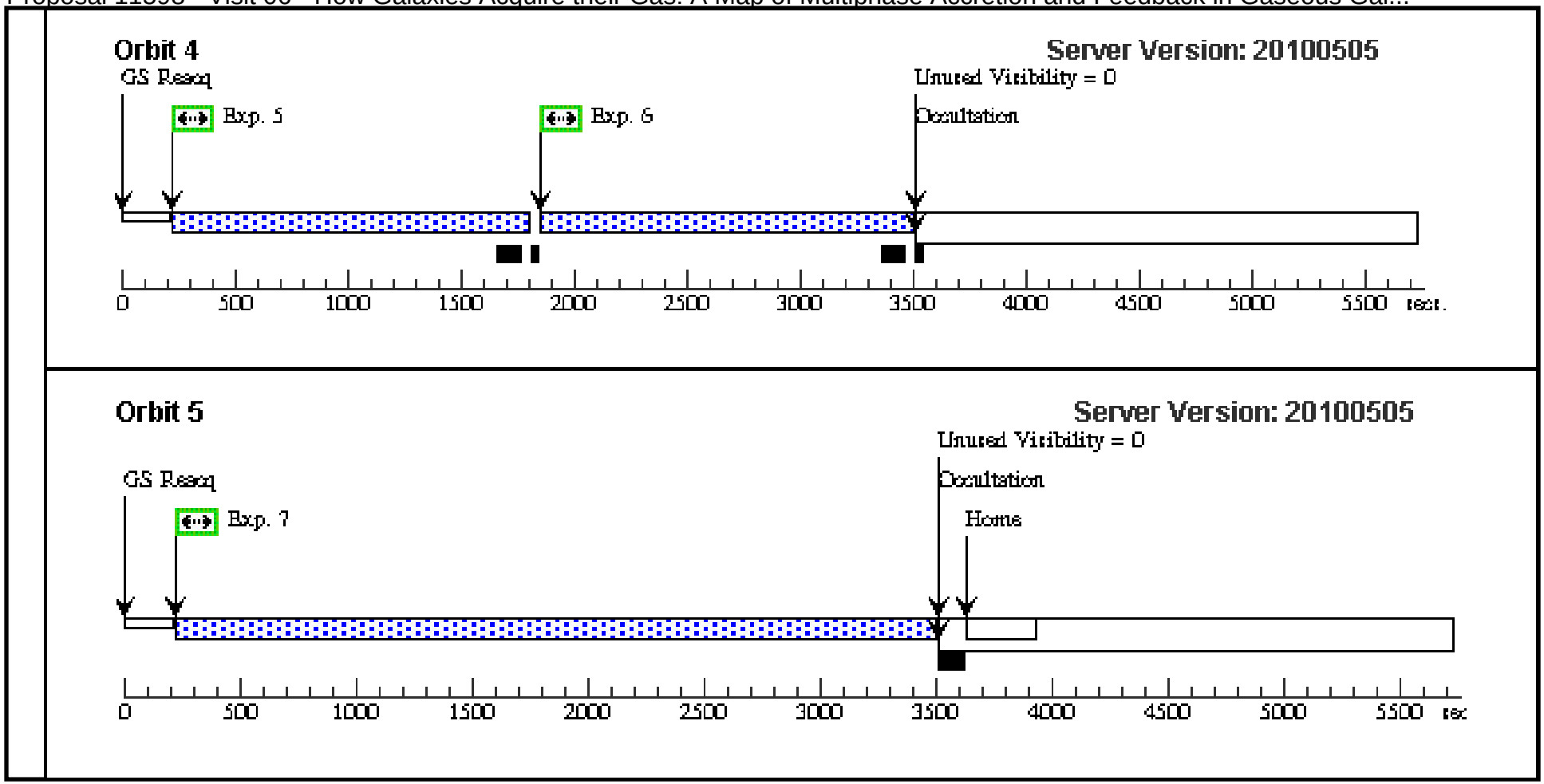
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	Target Acq	(6) SDSSJ124154.02+572107.3	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				110.0 Secs *[==>]*	*[1]*
2		(6) SDSSJ124154.02+572107.3	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=2524; FLASH=YES			2614.0 Secs *[==>]*	*[1]*
3		(6) SDSSJ124154.02+572107.3	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=3146; FLASH=YES			3225.0 Secs *[==>]*	*[2]*
4		(6) SDSSJ124154.02+572107.3	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=3146; FLASH=YES			3225.0 Secs *[==>]*	*[3]*
5		(6) SDSSJ124154.02+572107.3	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=1414; FLASH=YES			1524.0 Secs *[==>]*	*[4]*
6		(6) SDSSJ124154.02+572107.3	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=1414; FLASH=YES			1523.0 Secs *[==>]*	*[4]*
7		(6) SDSSJ124154.02+572107.3	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=3146; FLASH=YES			3225.0 Secs *[==>]*	*[5]*

Orbit Structure








Orbit 4
Server Version: 20100505
GS Reacq
Exp. 5
Exp. 6
Unused Visibility = 0
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec.
Orbit 5
Server Version: 20100505
Unused Visibility = 0
GS Reacq
Occultation
Exp. 7
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 11598, Visit 07, completed Wed Oct 20 01:05:19 GMT 2010

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

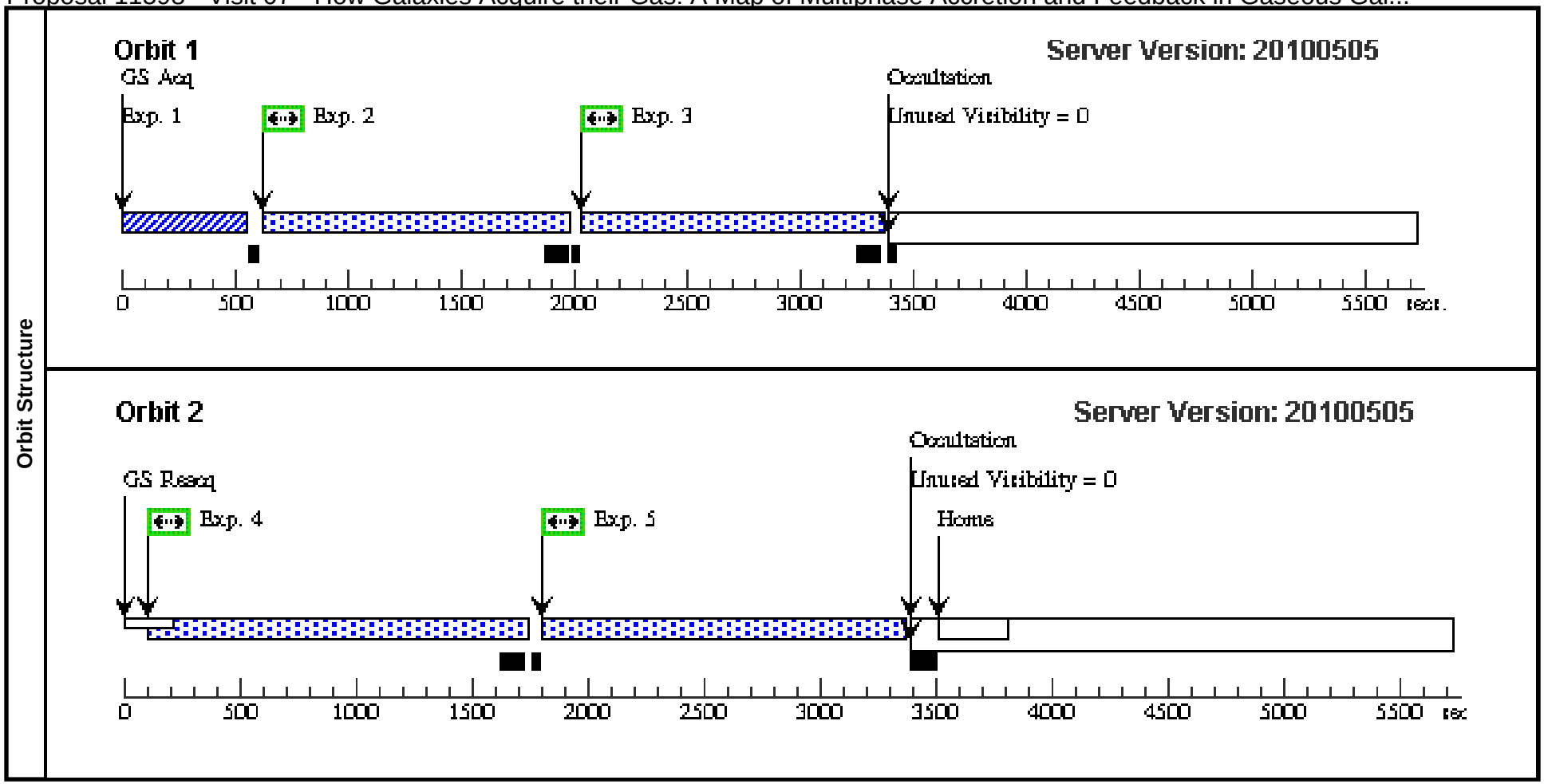
Special Requirements: AFTER 30-NOV-2009:00:00:00

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(7)	SDSSJ101622.60+470643.3	RA: 10 16 22.6035 (154.0941813d) Dec: +47 06 43.34 (47.11204d) Equinox: J2000		V=17.12+/-0.1	Reference Frame: ICRS

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	Target Acq	(7) SDSSJ101622.60+470643.3	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				60.0 Secs *[==>]*	*[1]*
2		(7) SDSSJ101622.60+470643.3	COS/FUV, TIME-TAG, PSA	G130M 1318 A	BUFFER-TIME=1110; FLASH=YES			1202.0 Secs *[==>]*	*[1]*
3		(7) SDSSJ101622.60+470643.3	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=1111; FLASH=YES			1214.0 Secs *[==>]*	*[1]*
4		(7) SDSSJ101622.60+470643.3	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=1368; FLASH=YES			1480.0 Secs *[==>]*	*[2]*
5		(7) SDSSJ101622.60+470643.3	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=1369; FLASH=YES			1447.0 Secs *[==>]*	*[2]*


Orbit Structure
Orbit 1
Server Version: 20100505
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: 20100505
Occultation
GS Reacq
Unused Visibility = 0
Exp. 4
Exp. 5
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 11598, Visit 08, completed Wed Oct 20 01:05:20 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Diagnostics

(Visit 08) Warning (Orbit Planner): VISIBILITY OVERRUN

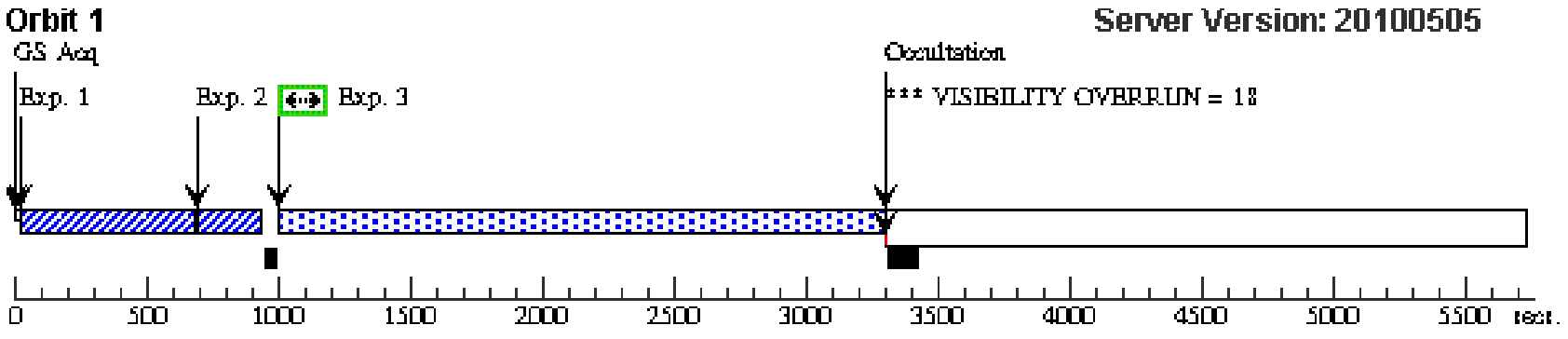
Fixed Targets

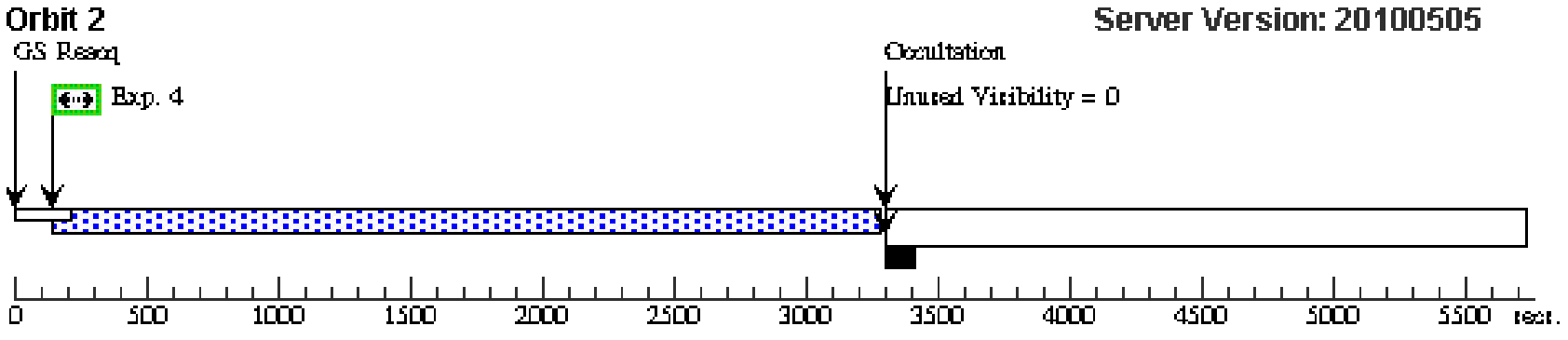
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(8)	SDSSJ155504.39+362848.0	RA: 15 55 4.3991 (238.7683296d) Dec: +36 28 48.04 (36.48001d) Equinox: J2000		V=17.76+/-0.1	Reference Frame: ICRS

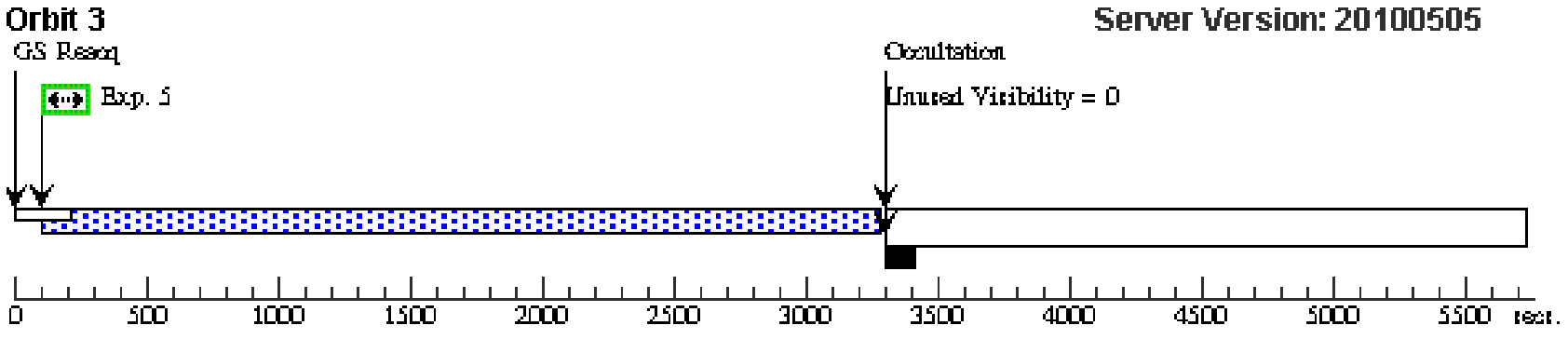
Exposures

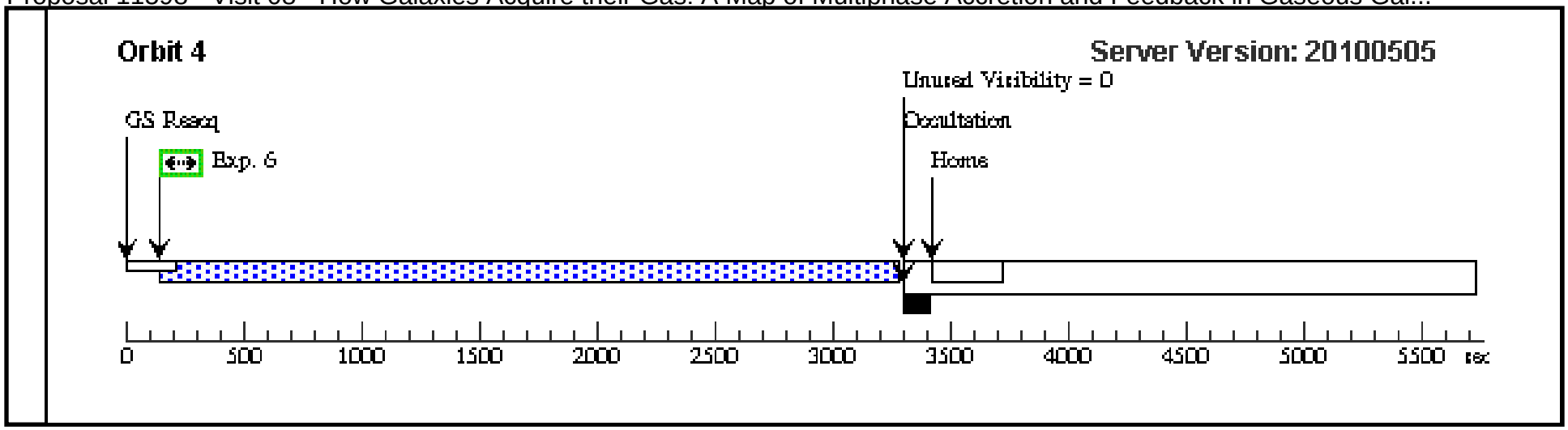
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	Target Acq	(8) SDSSJ155504.39+362848.0	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2; STEP-SIZE=1.767; CENTER=FLUX-WT			51.0 Secs *[==>]*	***[1]***
2	Target Acq	(8) SDSSJ155504.39+362848.0	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				51.0 Secs *[==>]*	***[1]***
3		(8) SDSSJ155504.39+362848.0	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=2058; FLASH=YES			2136.0 Secs *[==>]*	***[1]***
4		(8) SDSSJ155504.39+362848.0	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=2939; FLASH=YES			3015.0 Secs *[==>]*	***[2]***
5		(8) SDSSJ155504.39+362848.0	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=2939; FLASH=YES			3015.0 Secs *[==>]*	***[3]***
6		(8) SDSSJ155504.39+362848.0	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2939; FLASH=YES			3015.0 Secs *[==>]*	***[4]***

Orbit Structure








Orbit 4
Server Version: 20100505
Unused Visibility = 0
GS Reacq
Occultation
Exp. 6
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 11598, Visit 09, completed Wed Oct 20 01:05:20 GMT 2010

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Fixed Targets

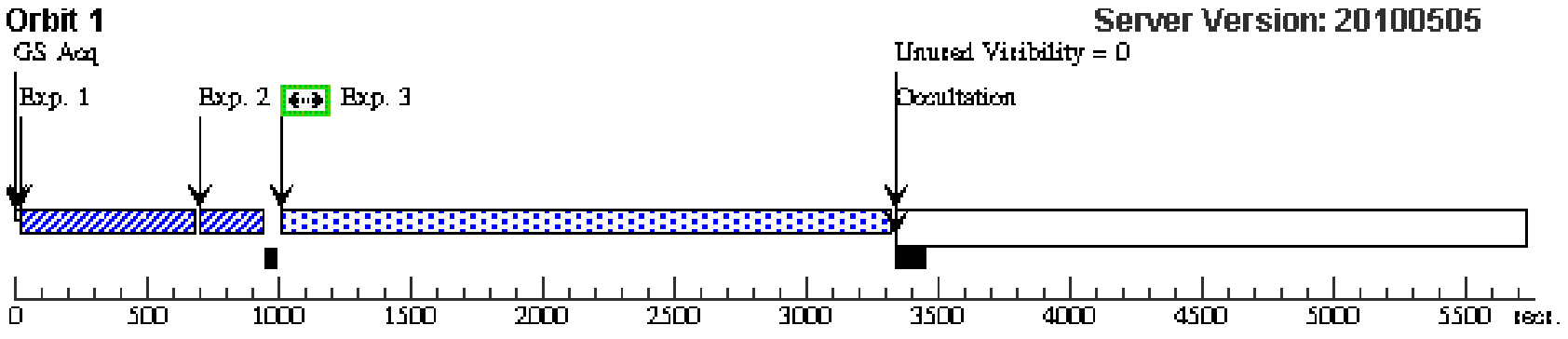
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(9)	SDSSJ080359.23+433258.4	RA: 08 03 59.2320 (120.9968000d) Dec: +43 32 58.42 (43.54956d) Equinox: J2000		V=17.58+/-0.1	Reference Frame: ICRS

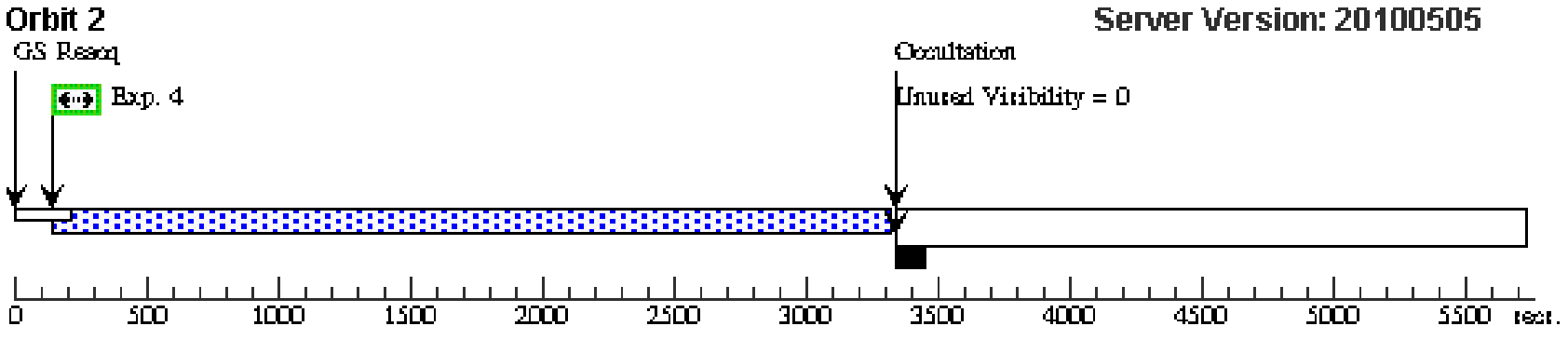
Comments: z_QSO = 0.45, FUVmag = 18.43

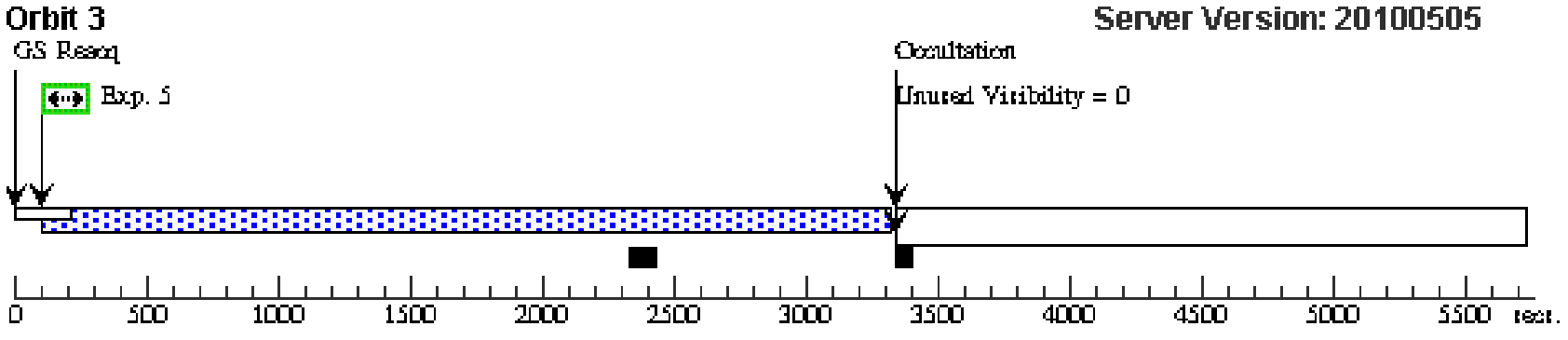
Exposures

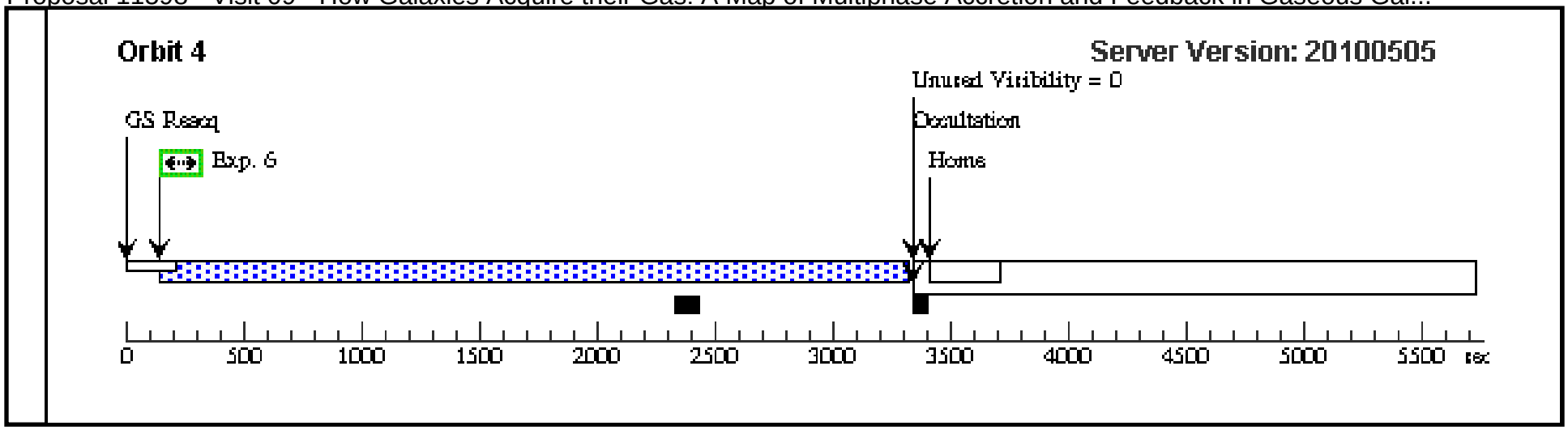
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	Target Acq	(9) SDSSJ080359.23+433258.4	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2; STEP-SIZE=1.767; CENTER=FLUX-WT			52.0 Secs *[==>]*	 ***[1]***
2	Target Acq	(9) SDSSJ080359.23+433258.4	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				52.0 Secs *[==>]*	 ***[1]***
3		(9) SDSSJ080359.23+433258.4	COS/FUV, TIME-TAG, PSA	G130M 1318 A	BUFFER-TIME=2070; FLASH=YES			2152 Secs *[==>]*	 ***[1]***
4		(9) SDSSJ080359.23+433258.4	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=2982; FLASH=YES			3055 Secs *[==>]*	 ***[2]***
5		(9) SDSSJ080359.23+433258.4	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=2082; FLASH=YES			3055 Secs *[==>]*	 ***[3]***
6		(9) SDSSJ080359.23+433258.4	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2082; FLASH=YES			3055 Secs *[==>]*	 ***[4]***

Orbit Structure








Orbit 4
Server Version: 20100505
Unused Visibility = 0
GS Reacq
Occultation
Exp. 6
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 11598, Visit 10, completed Wed Oct 20 01:05:21 GMT 2010

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Fixed Targets

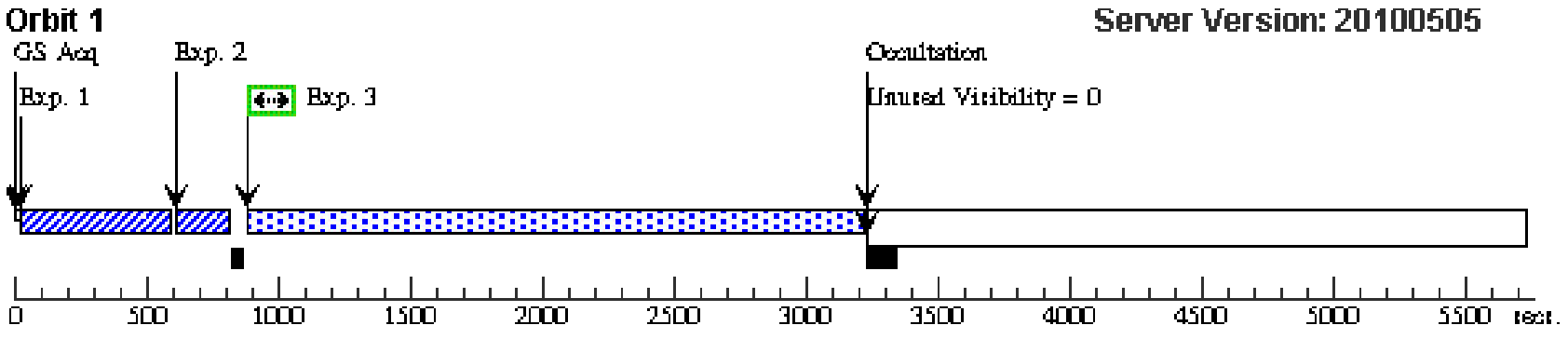
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(10)	SDSSJ234500.43-005936.0	RA: 23 45 0.4326 (356.2518025d) Dec: -00 59 36.06 (-.99335d) Equinox: J2000		V=16.8+/-0.1	Reference Frame: ICRS

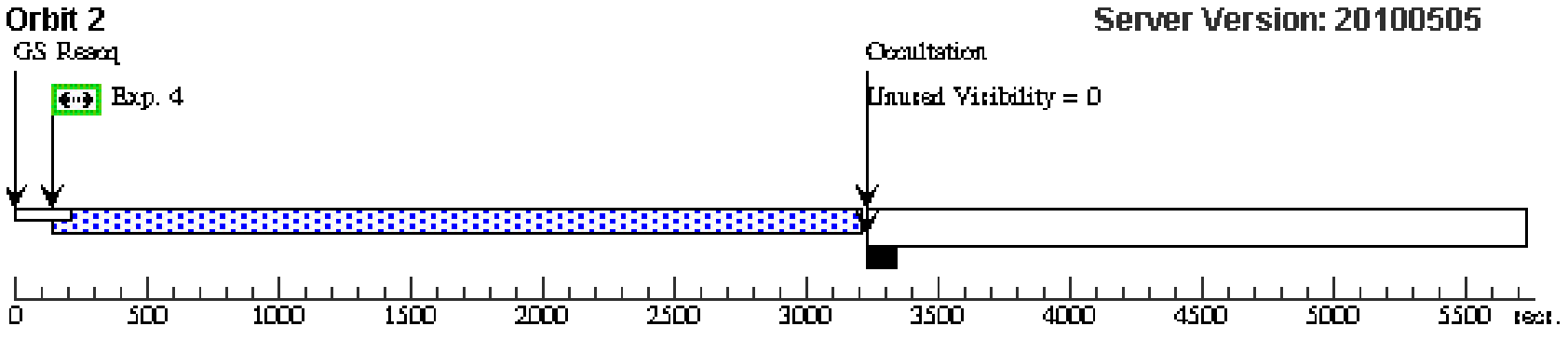
Comments: z_QSO = 0.79, FUVMag = 18.39

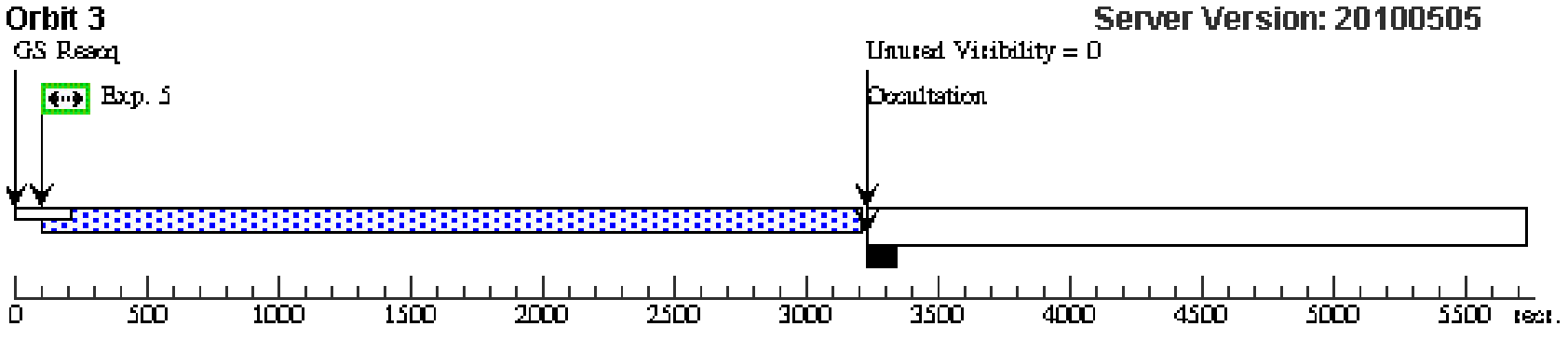
Exposures

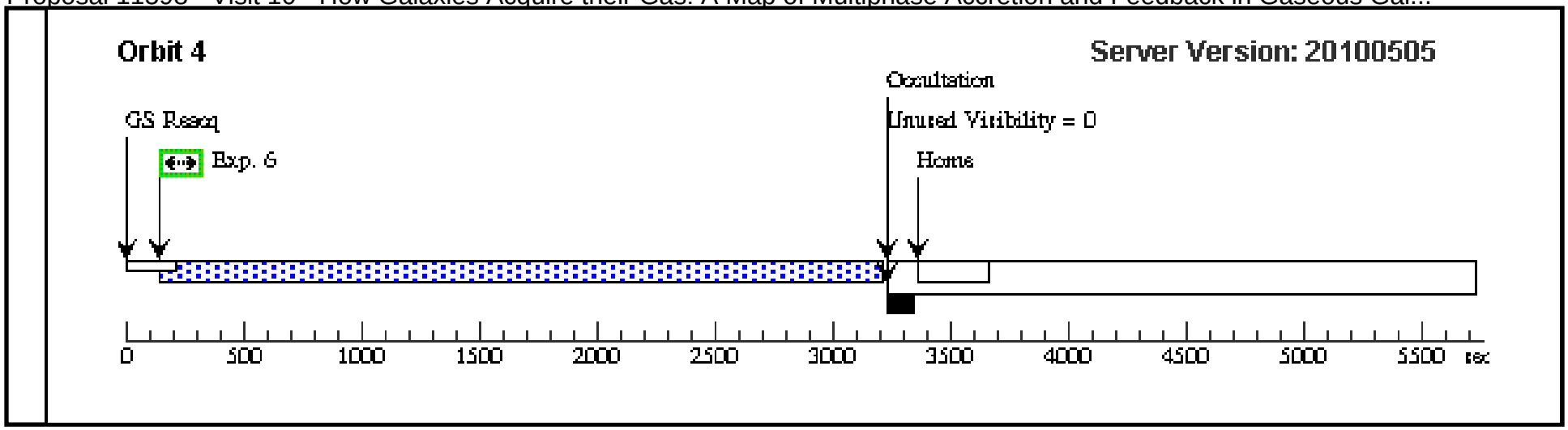
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	Target Acq	(10) SDSSJ234500.43-005936.0	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2; STEP-SIZE=1.767; CENTER=FLUX-WT			30.0 Secs *[==>]*	***[1]***
2	Target Acq	(10) SDSSJ234500.43-005936.0	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				30.0 Secs *[==>]*	***[1]***
3		(10) SDSSJ234500.43-005936.0	COS/FUV, TIME-TAG, PSA	G130M 1318 A	BUFFER-TIME=2110; FLASH=YES			2177.0 Secs *[==>]*	***[1]***
4		(10) SDSSJ234500.43-005936.0	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=2865; FLASH=YES			2948.0 Secs *[==>]*	***[2]***
5		(10) SDSSJ234500.43-005936.0	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=2865; FLASH=YES			2948.0 Secs *[==>]*	***[3]***
6		(10) SDSSJ234500.43-005936.0	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2865; FLASH=YES			2948.0 Secs *[==>]*	***[4]***

Orbit Structure








Orbit 4
Server Version: 20100505
Occultation
GS Reacq
Unused Visibility = 0
Exp. 6
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 11598, Visit 11, scheduling Wed Oct 20 01:05:21 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Diagnostics

(Visit 11) Warning (Orbit Planner): VISIBILITY OVERRUN

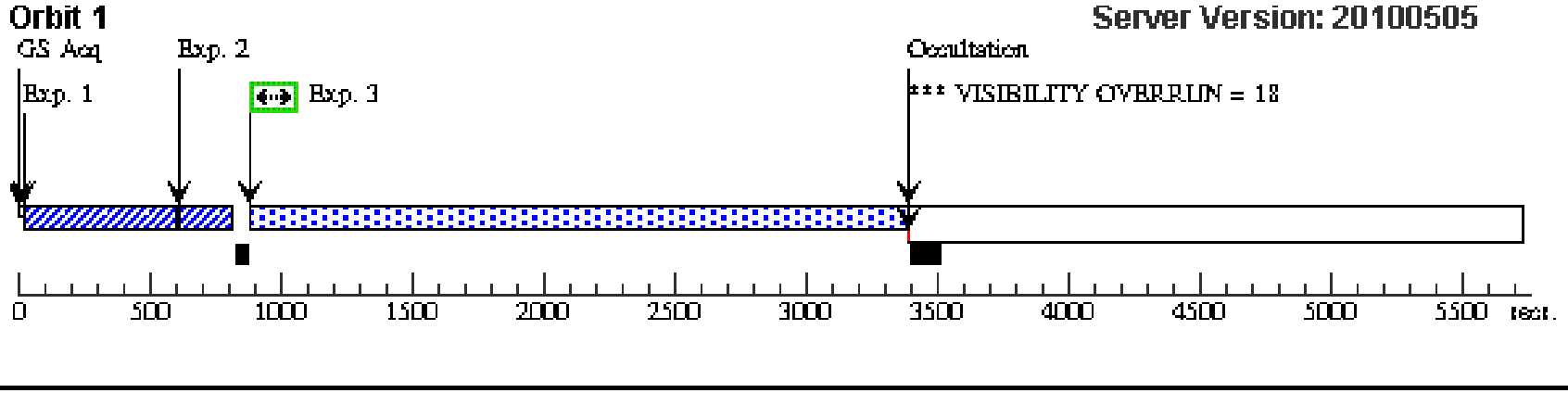
Fixed Targets

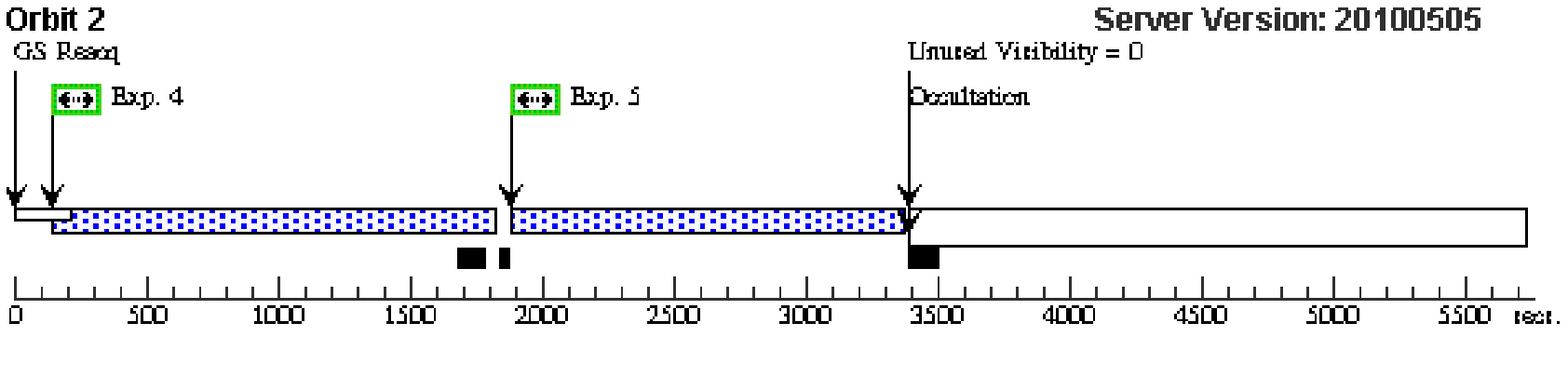
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(11)	SDSSJ132222.68+464535.2	RA: 13 22 22.6804 (200.5945017d) Dec: +46 45 35.21 (46.75978d) Equinox: J2000		V=17.4+/-0.1	Reference Frame: ICRS

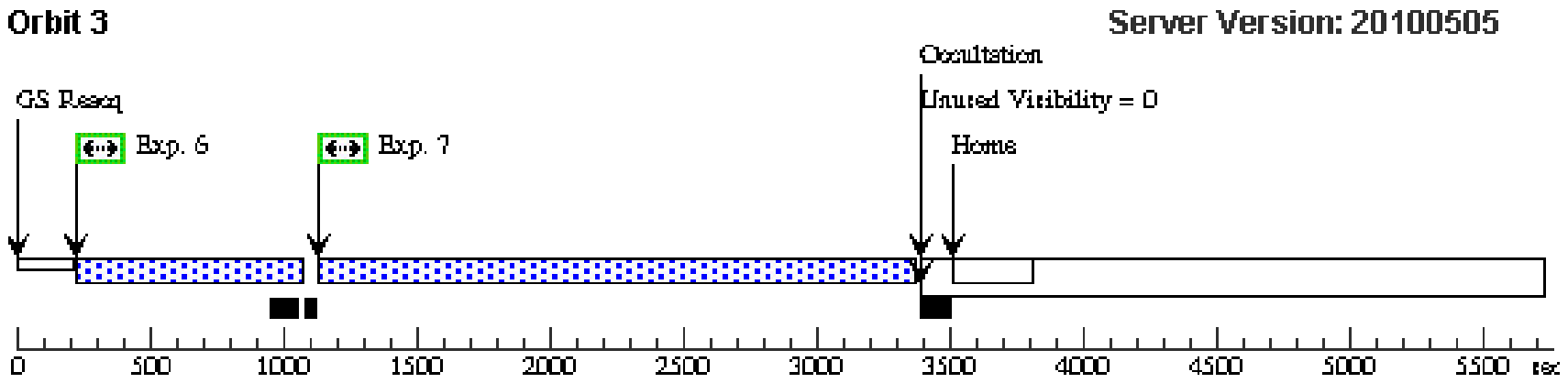
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	Target Acq	(11) SDSSJ132222.68+464535.2	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2; STEP-SIZE=1.767; CENTER=FLUX-WT			31.0 Secs *[==>]*	*[1]*
2	Target Acq	(11) SDSSJ132222.68+464535.2	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				31.0 Secs *[==>]*	*[1]*
3		(11) SDSSJ132222.68+464535.2	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=2266; FLASH=YES			2346.0 Secs *[==>]*	*[1]*
4		(11) SDSSJ132222.68+464535.2	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=1435; FLASH=YES			1556.0 Secs *[==>]*	*[2]*
5		(11) SDSSJ132222.68+464535.2	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=1243; FLASH=YES			1331.0 Secs *[==>]*	*[2]*
6		(11) SDSSJ132222.68+464535.2	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=700; FLASH=YES			802.0 Secs *[==>]*	*[3]*
7		(11) SDSSJ132222.68+464535.2	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2037; FLASH=YES			2115.0 Secs *[==>]*	*[3]*

Orbit Structure







Visit

Proposal 11598, Visit 12, completed Wed Oct 20 01:05:22 GMT 2010

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: AFTER 30-NOV-2009:00:00:00

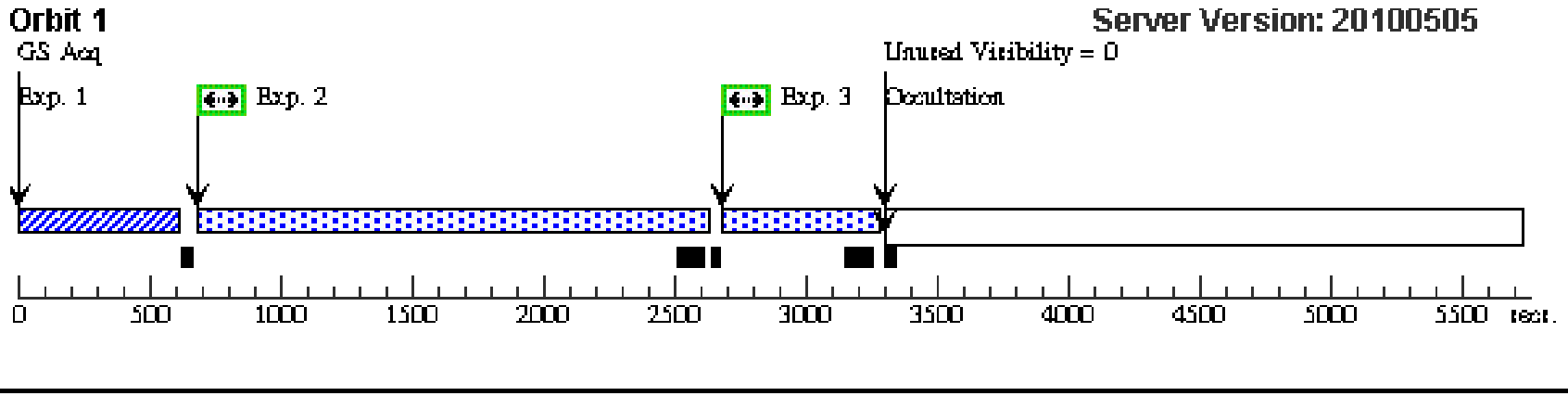
Fixed Targets

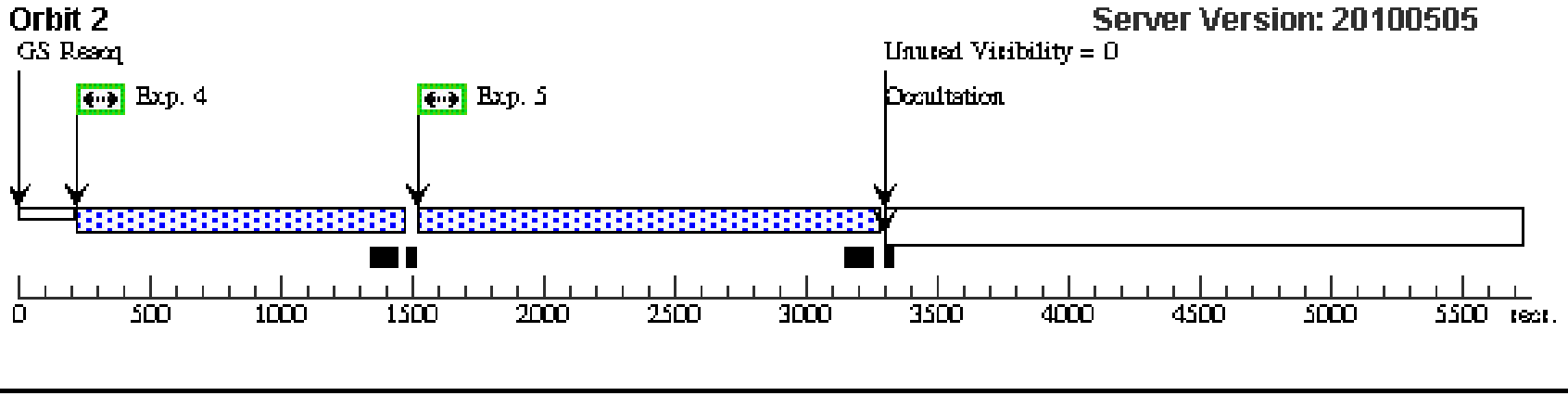
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(12)	SDSSJ143511.53+360437.2	RA: 14 35 11.5311 (218.7980463d) Dec: +36 04 37.25 (36.07701d) Equinox: J2000		V=16.9+/-0.1	Reference Frame: ICRS

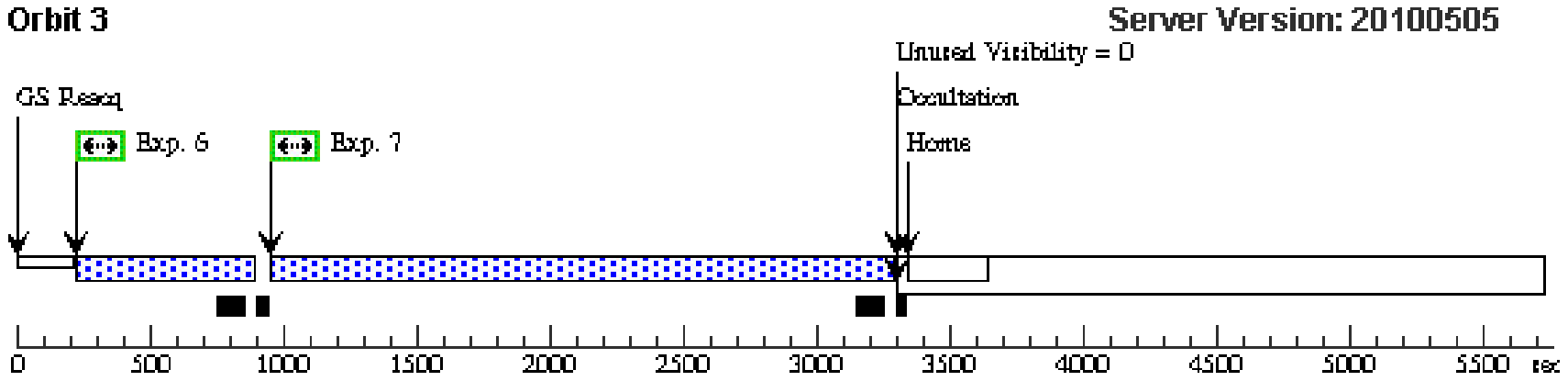
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	Target Acq	(12) SDSSJ143511.53+360437.2	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				90.0 Secs *[==>]*	*[1]*
2		(12) SDSSJ143511.53+360437.2	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=1693; FLASH=YES			1788.0 Secs *[==>]*	*[1]*
3		(12) SDSSJ143511.53+360437.2	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=368; FLASH=YES			478 Secs *[==>]*	*[1]*
4		(12) SDSSJ143511.53+360437.2	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=1090; FLASH=YES			1200.0 Secs *[==>]*	*[2]*
5		(12) SDSSJ143511.53+360437.2	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=1487; FLASH=YES			1597.0 Secs *[==>]*	*[2]*
6		(12) SDSSJ143511.53+360437.2	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=505; FLASH=YES			615.0 Secs *[==>]*	*[3]*
7		(12) SDSSJ143511.53+360437.2	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2102; FLASH=YES			2212.0 Secs *[==>]*	*[3]*

Orbit Structure







Visit

Proposal 11598, Visit 13, completed Wed Oct 20 01:05:22 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Diagnostics

(Visit 13) Warning (Orbit Planner): VISIBILITY OVERRUN

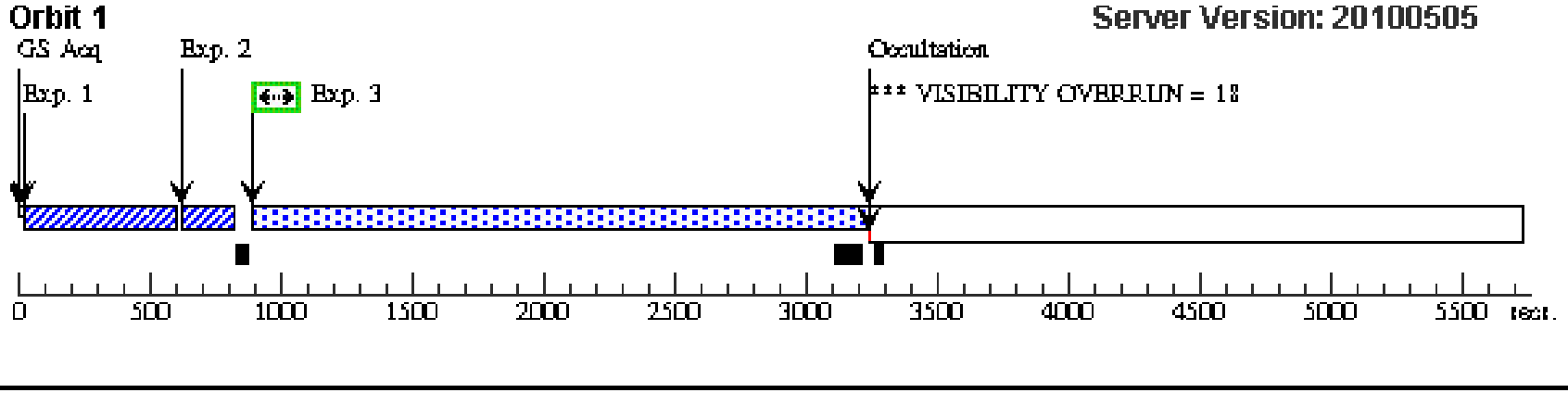
Fixed Targets

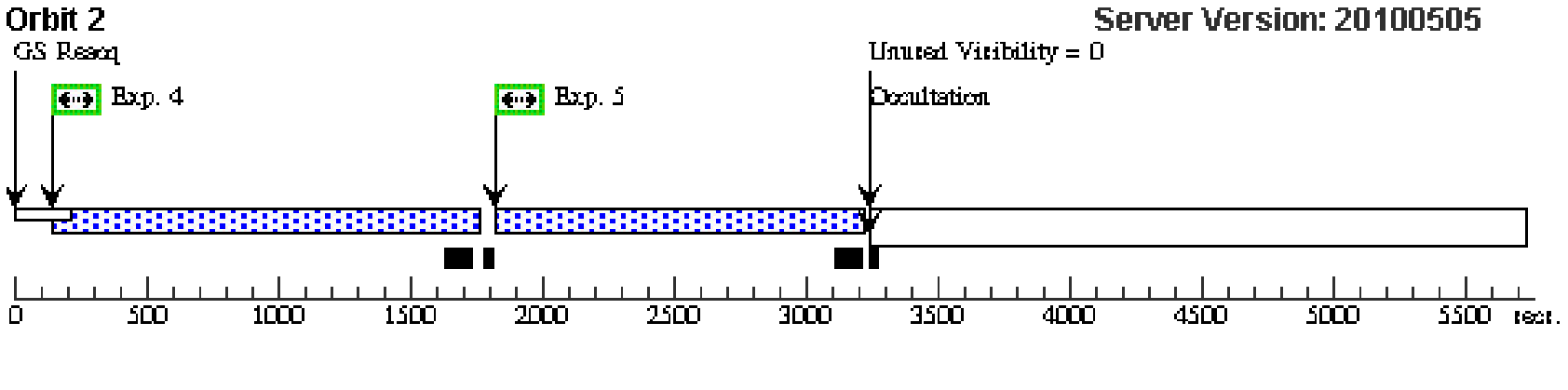
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(13)	SDSSJ100902.06+071343.8	RA: 10 09 2.0689 (152.2586204d) Dec: +07 13 43.87 (7.22885d) Equinox: J2000		V=17.14+/-0.1	Reference Frame: ICRS

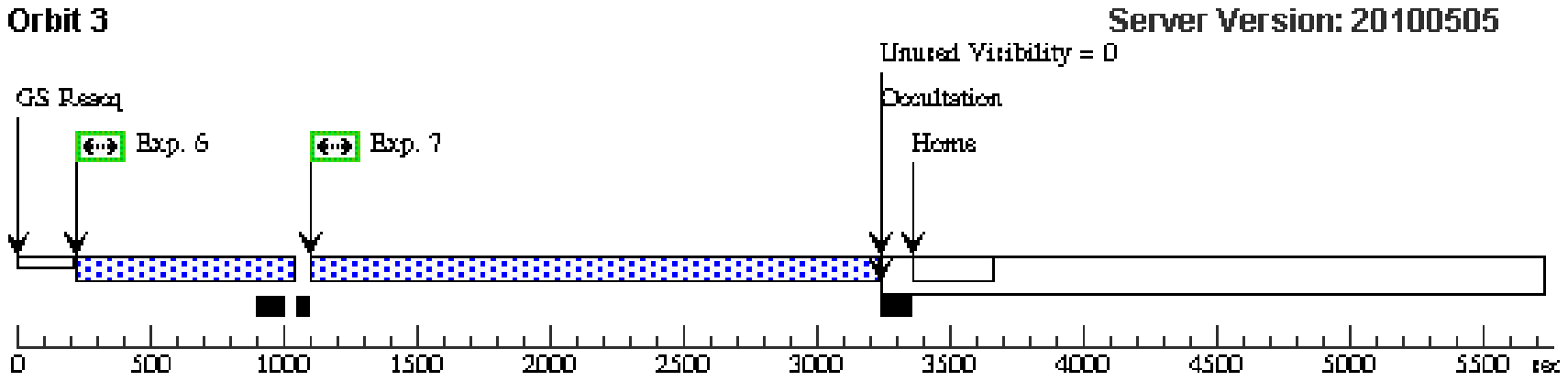
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	Target Acq	(13) SDSSJ100902.06+071343.8	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2; STEP-SIZE=1.767; CENTER=FLUX-WT			32.0 Secs *[==>]*	*[1]*
2	Target Acq	(13) SDSSJ100902.06+071343.8	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				32.0 Secs *[==>]*	*[1]*
3		(13) SDSSJ100902.06+071343.8	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=2077; FLASH=YES			2191.0 Secs *[==>]*	*[1]*
4		(13) SDSSJ100902.06+071343.8	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=1385; FLASH=YES			1497.0 Secs *[==>]*	*[2]*
5		(13) SDSSJ100902.06+071343.8	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=1146; FLASH=YES			1241.0 Secs *[==>]*	*[2]*
6		(13) SDSSJ100902.06+071343.8	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=654; FLASH=YES			766.0 Secs *[==>]*	*[3]*
7		(13) SDSSJ100902.06+071343.8	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=1917; FLASH=YES			2002.0 Secs *[==>]*	*[3]*

Orbit Structure







Visit

Proposal 11598, Visit 14, failed Wed Oct 20 01:05:23 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Diagnostics

(Visit 14) Warning (Orbit Planner): VISIBILITY OVERRUN

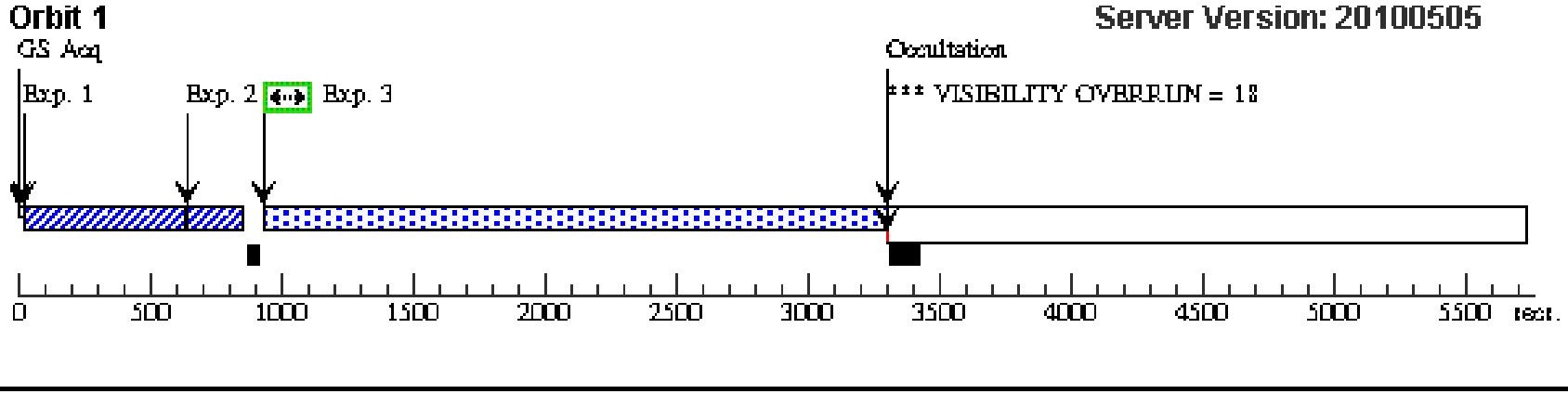
Fixed Targets

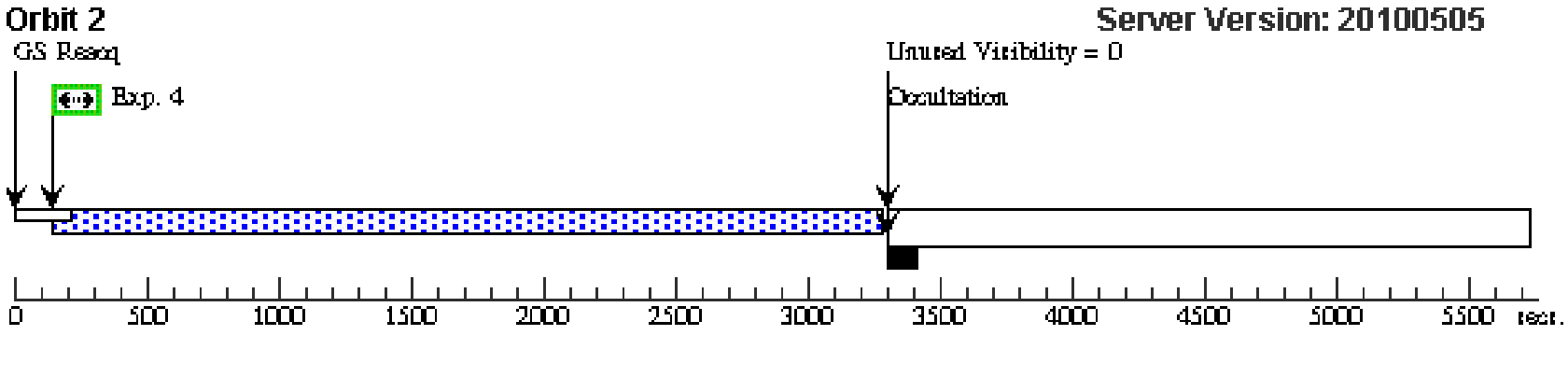
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(14)	SDSSJ151428.64+361957.9	RA: 15 14 28.6478 (228.6193658d) Dec: +36 19 57.98 (36.33277d) Equinox: J2000		V=17.64+/-0.1	Reference Frame: ICRS

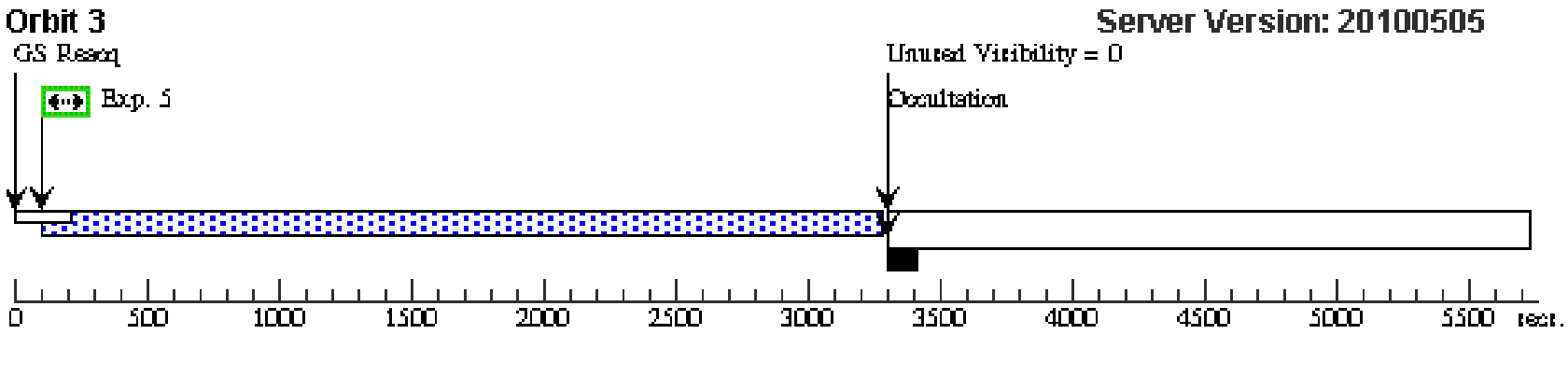
Exposures

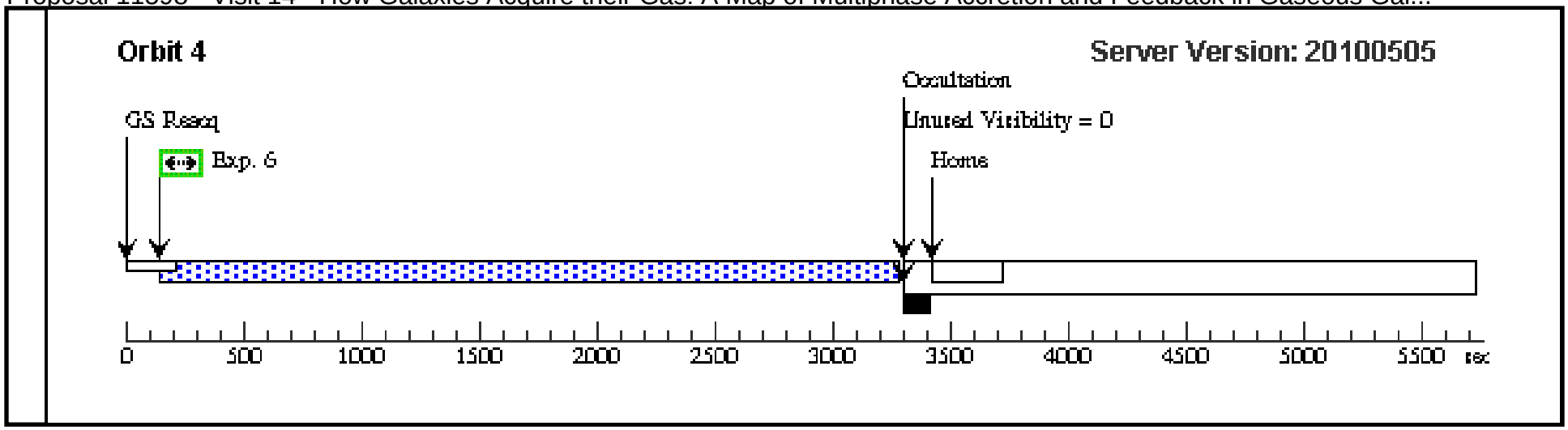
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	Target Acq	(14) SDSSJ151428.64+361957.9	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2; STEP-SIZE=1.767; CENTER=FLUX-WT			39.0 Secs *[==>]*	*[1]*
2	Target Acq	(14) SDSSJ151428.64+361957.9	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				39.0 Secs *[==>]*	*[1]*
3		(14) SDSSJ151428.64+361957.9	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=2130; FLASH=YES			2208.0 Secs *[==>]*	*[1]*
4		(14) SDSSJ151428.64+361957.9	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=2939; FLASH=YES			3015.0 Secs *[==>]*	*[2]*
5		(14) SDSSJ151428.64+361957.9	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=2939; FLASH=YES			3015 Secs *[==>]*	*[3]*
6		(14) SDSSJ151428.64+361957.9	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2938; FLASH=YES			3015 Secs *[==>]*	*[4]*

Orbit Structure








Orbit 4
Server Version: 20100505
Occultation
GS Reacq
Unused Visibility = 0
Exp. 6
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 11598, Visit A4, scheduling Wed Oct 20 01:05:24 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Diagnostics

(Visit A4) Warning (Orbit Planner): VISIBILITY OVERRUN

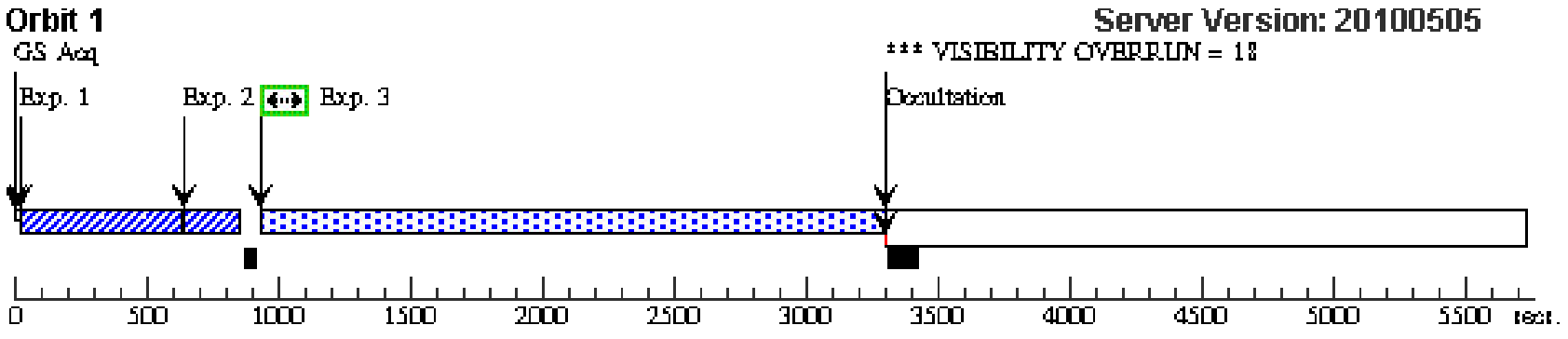
Fixed Targets

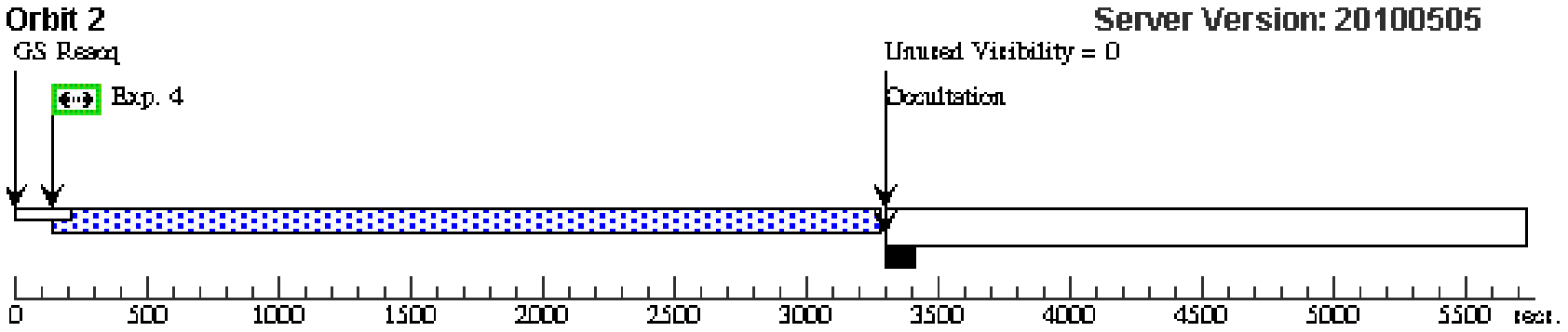
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(14)	SDSSJ151428.64+361957.9	RA: 15 14 28.6478 (228.6193658d) Dec: +36 19 57.98 (36.33277d) Equinox: J2000		V=17.64+/-0.1	Reference Frame: ICRS

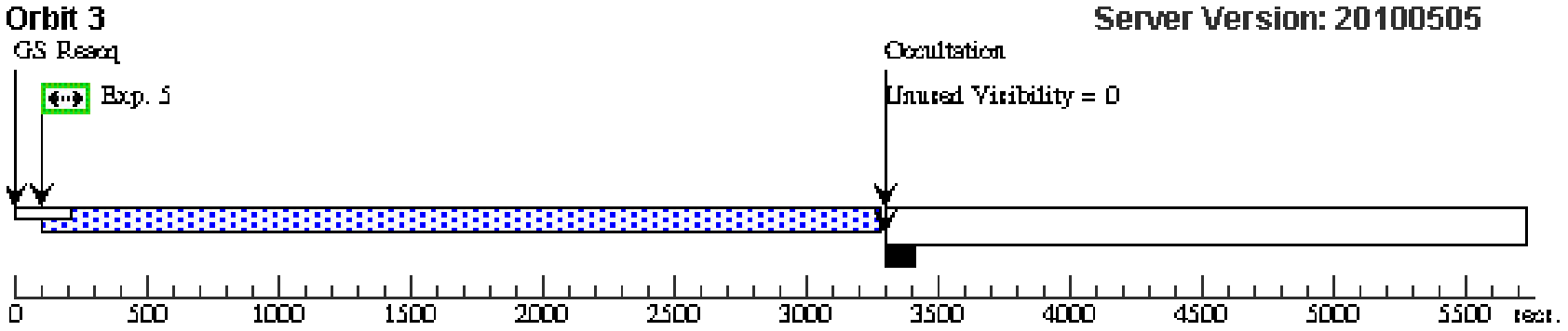
Exposures

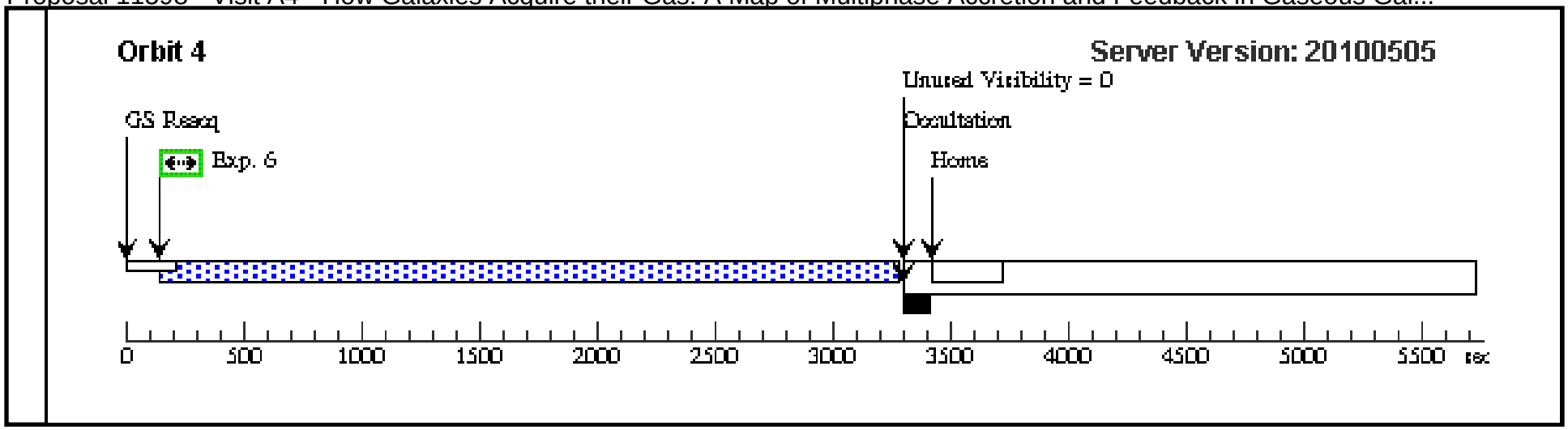
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	Target Acq	(14) SDSSJ151428.64+361957.9	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2; STEP-SIZE=1.767; CENTER=FLUX-WT			39.0 Secs *[==>]*	***[1]***
2	Target Acq	(14) SDSSJ151428.64+361957.9	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				39.0 Secs *[==>]*	***[1]***
3		(14) SDSSJ151428.64+361957.9	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=2130; FLASH=YES			2208.0 Secs *[==>]*	***[1]***
4		(14) SDSSJ151428.64+361957.9	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=2939; FLASH=YES			3015.0 Secs *[==>]*	***[2]***
5		(14) SDSSJ151428.64+361957.9	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=2939; FLASH=YES			3015 Secs *[==>]*	***[3]***
6		(14) SDSSJ151428.64+361957.9	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2938; FLASH=YES			3015 Secs *[==>]*	***[4]***

Orbit Structure








Orbit 4
Server Version: 20100505
Unused Visibility = 0
GS Reacq
Occultation
Exp. 6
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 11598, Visit 15, completed Wed Oct 20 01:05:24 GMT 2010

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

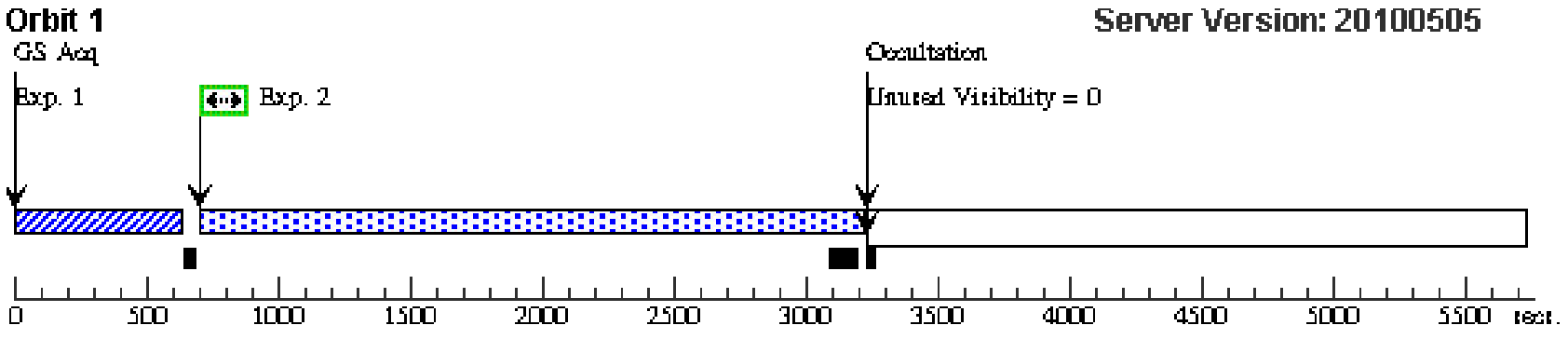
Fixed Targets

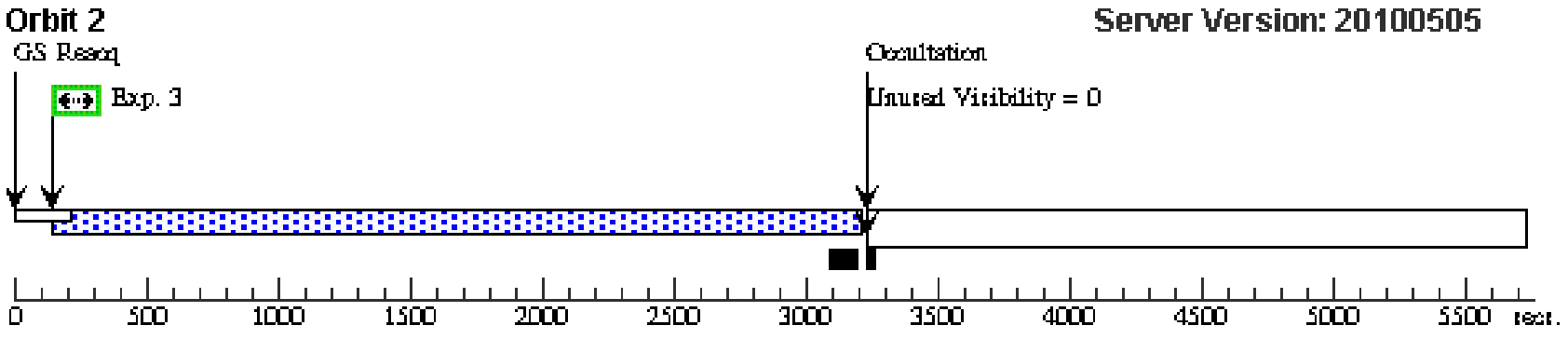
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(15)	SDSSJ123304.05-003134.1	RA: 12 33 4.0519 (188.2668829d) Dec: -00 31 34.17 (-.52616d) Equinox: J2000		V=17.76+/-0.1	Reference Frame: ICRS

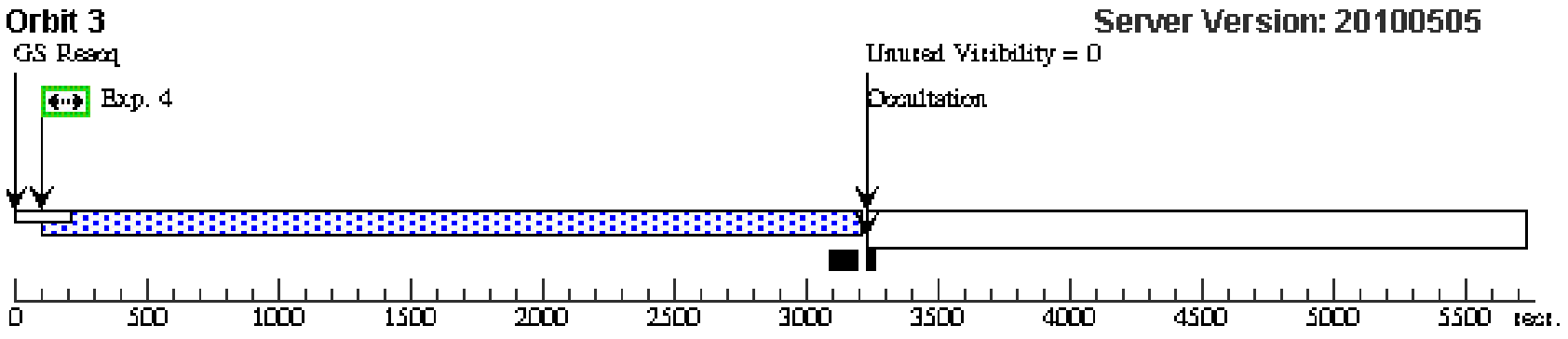
Exposures

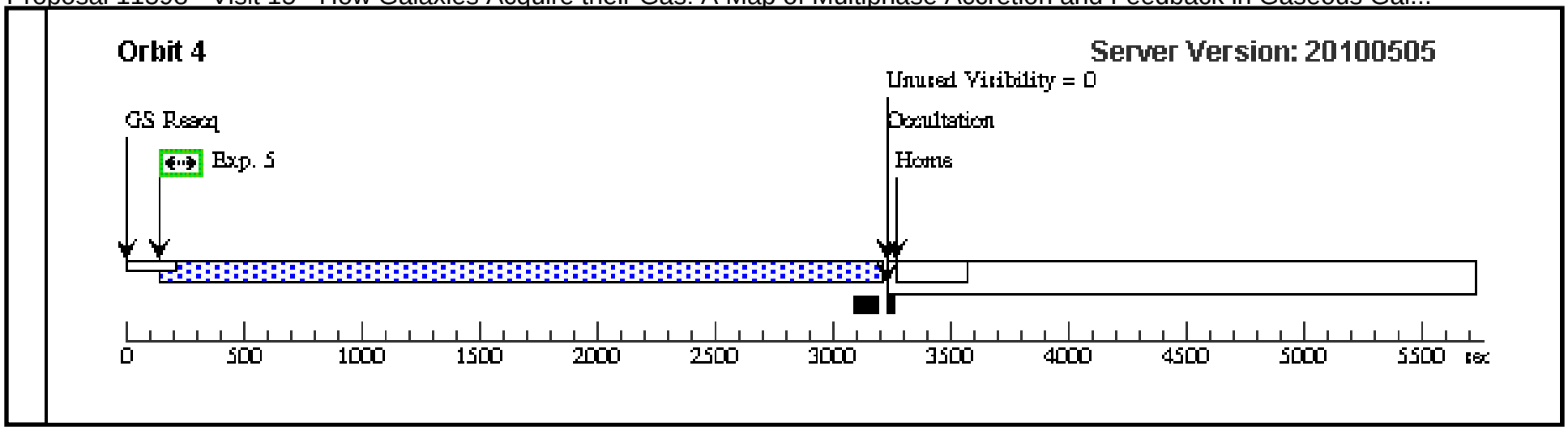
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	Target Acq	(15) SDSSJ123304.05-003134.1	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				100.0 Secs *[==>]*	*[1]*
2		(15) SDSSJ123304.05-003134.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=2247; FLASH=YES			2357.0 Secs *[==>]*	*[1]*
3		(15) SDSSJ123304.05-003134.1	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=2838; FLASH=YES			2948.0 Secs *[==>]*	*[2]*
4		(15) SDSSJ123304.05-003134.1	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=2838; FLASH=YES			2948.0 Secs *[==>]*	*[3]*
5		(15) SDSSJ123304.05-003134.1	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2838; FLASH=YES			2948.0 Secs *[==>]*	*[4]*

Orbit Structure








Orbit 4
Server Version: 20100505
Unused Visibility = 0
GS Reacq
Occultation
Exp. 5
Horns
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 11598, Visit 16, completed Wed Oct 20 01:05:24 GMT 2010

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

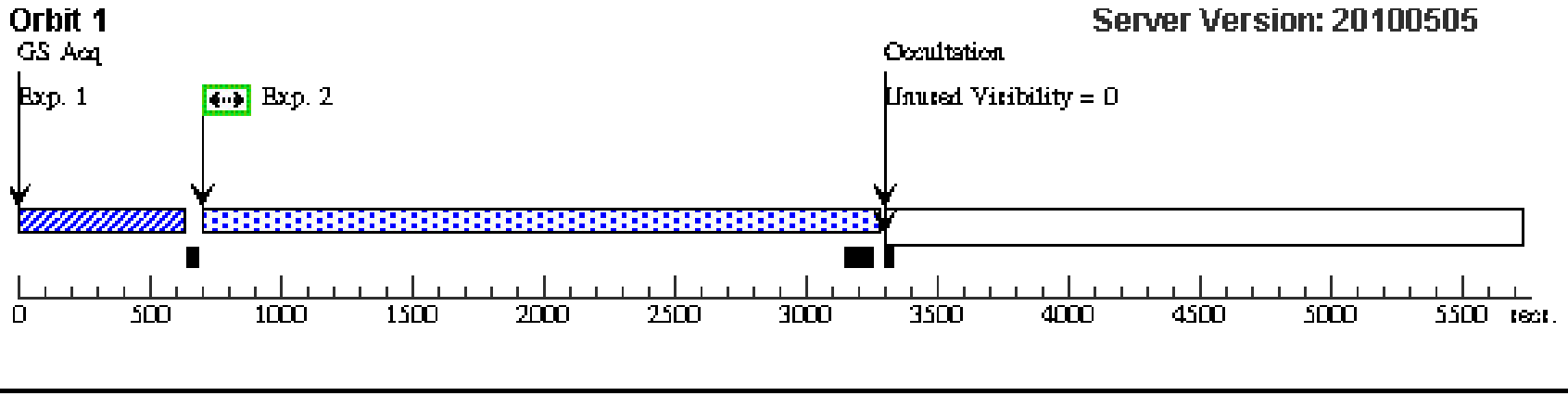
Fixed Targets

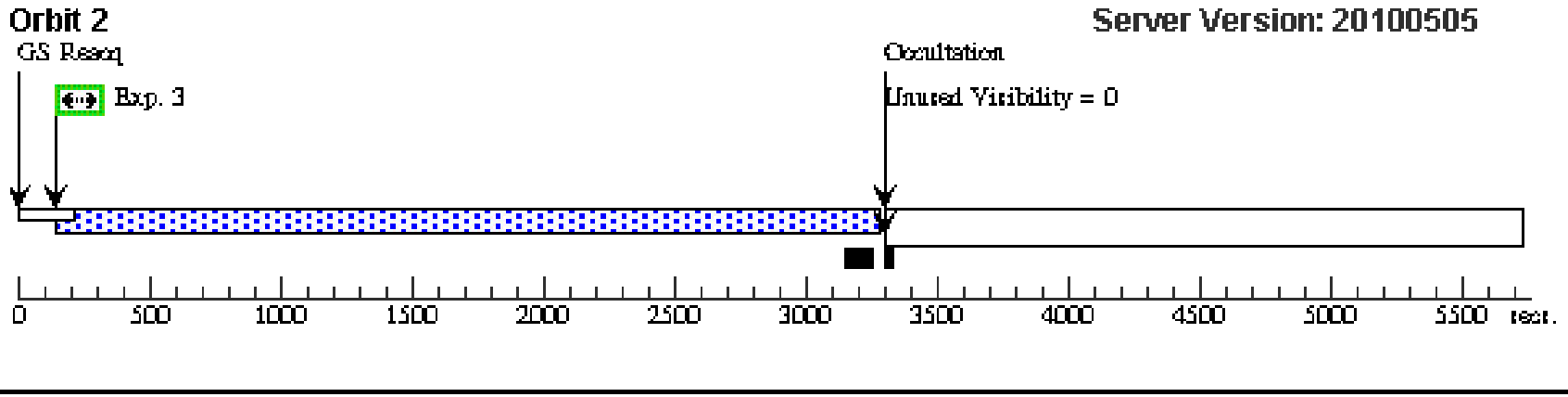
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(16)	SDSSJ111239.11+353928.2	RA: 11 12 39.1106 (168.1629608d) Dec: +35 39 28.24 (35.65784d) Equinox: J2000		V=17.73+/-0.1	Reference Frame: ICRS

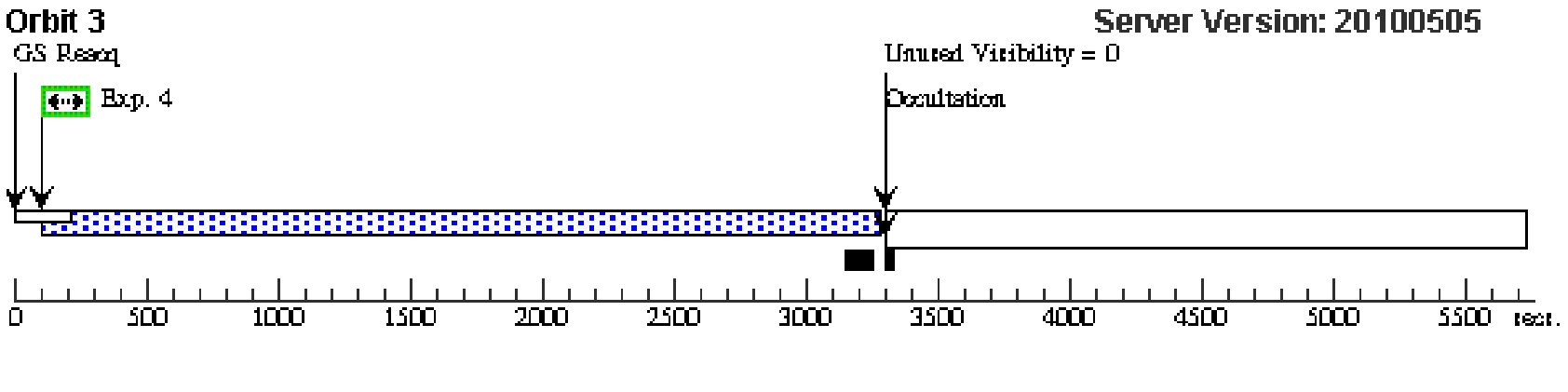
Exposures

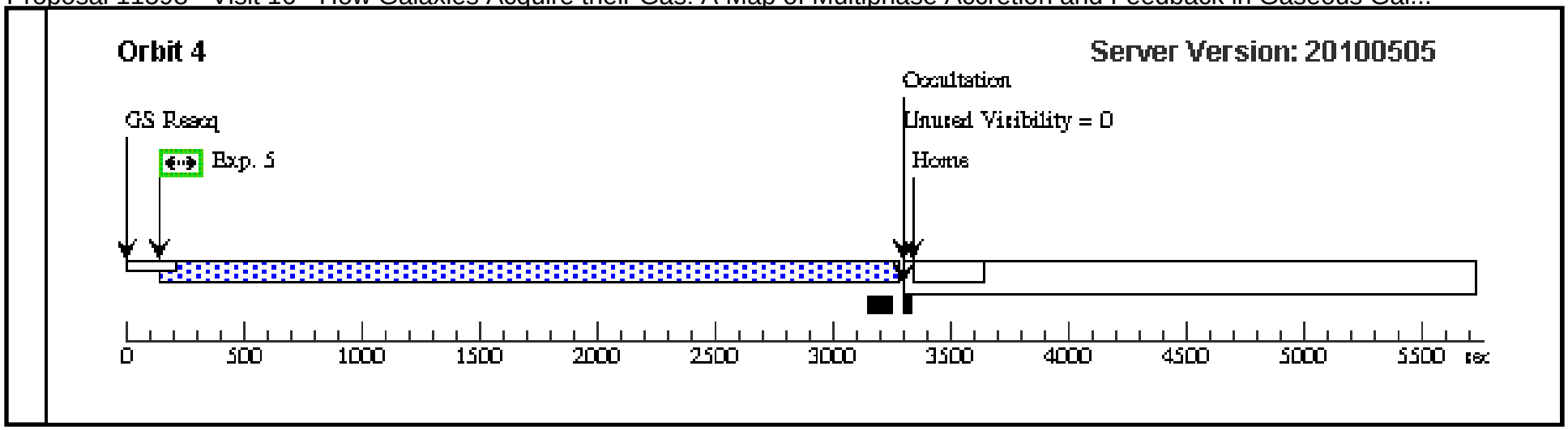
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	Target Acq	(16) SDSSJ111239.11+353928.2	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				100.0 Secs *[==>]*	*[1]*
2		(16) SDSSJ111239.11+353928.2	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=2314; FLASH=YES			2424.0 Secs *[==>]*	*[1]*
3		(16) SDSSJ111239.11+353928.2	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=2905; FLASH=YES			3015.0 Secs *[==>]*	*[2]*
4		(16) SDSSJ111239.11+353928.2	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=2905; FLASH=YES			3015.0 Secs *[==>]*	*[3]*
5		(16) SDSSJ111239.11+353928.2	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2905; FLASH=YES			3015.0 Secs *[==>]*	*[4]*

Orbit Structure








Orbit 4
Server Version: 20100505
Occultation
GS Reacq
Unused Visibility = 0
Exp. 5
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 11598, Visit 17, completed Wed Oct 20 01:05:25 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Diagnostics

(Visit 17) Warning (Orbit Planner): VISIBILITY OVERRUN

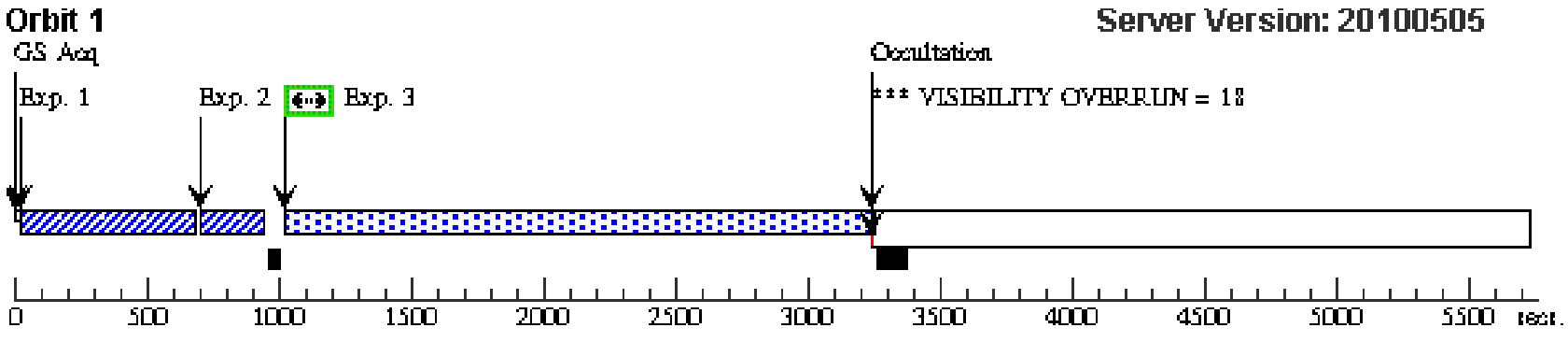
Fixed Targets

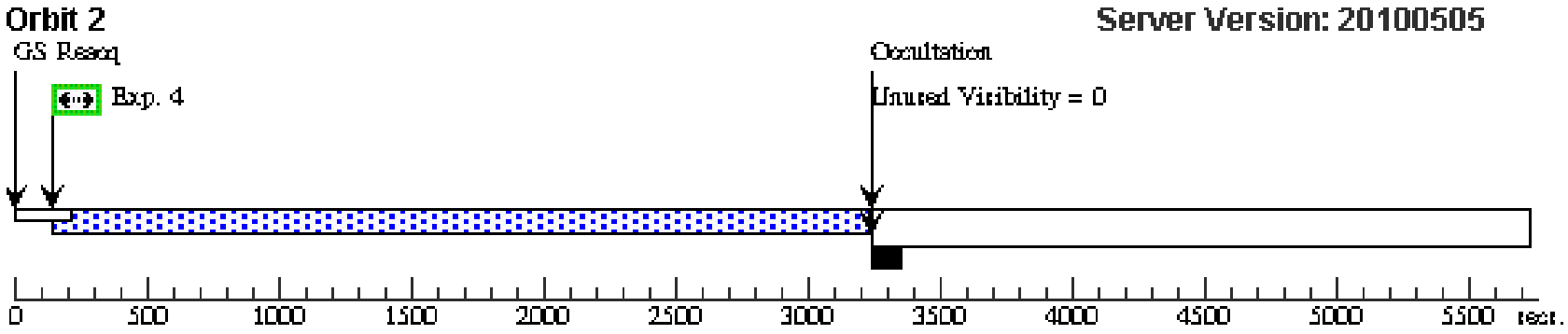
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(17)	SDSSJ082024.21+233450.4	RA: 08 20 24.2203 (125.1009179d) Dec: +23 34 50.49 (23.58069d) Equinox: J2000		V=17.4+/-0.1	Reference Frame: ICRS

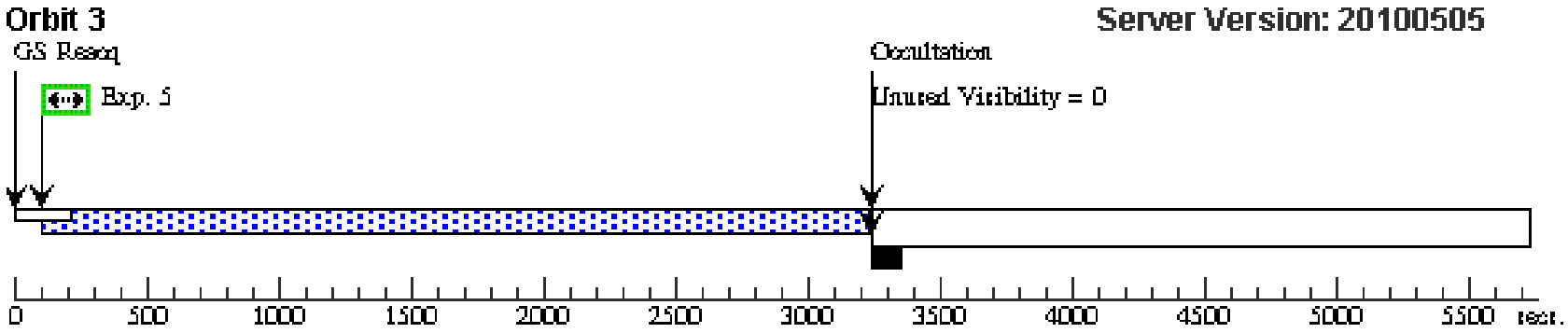
Exposures

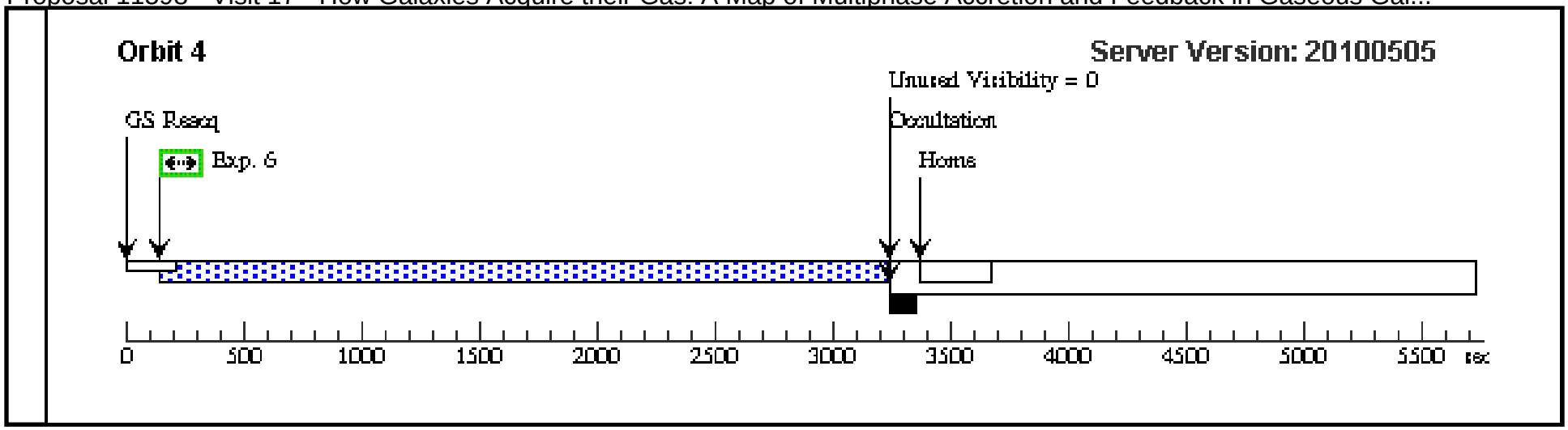
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	Target Acq	(17) SDSSJ082024.21+233450.4	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2; STEP-SIZE=1.767; CENTER=FLUX-WT			53.0 Secs *[==>]*	***[1]***
2	Target Acq	(17) SDSSJ082024.21+233450.4	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				53.0 Secs *[==>]*	***[1]***
3		(17) SDSSJ082024.21+233450.4	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=1994; FLASH=YES			2072.0 Secs *[==>]*	***[1]***
4		(17) SDSSJ082024.21+233450.4	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=2887; FLASH=YES			2963.0 Secs *[==>]*	***[2]***
5		(17) SDSSJ082024.21+233450.4	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=2887; FLASH=YES			2963.0 Secs *[==>]*	***[3]***
6		(17) SDSSJ082024.21+233450.4	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2887; FLASH=YES			2963.0 Secs *[==>]*	***[4]***

Orbit Structure








Orbit 4
Server Version: 20100505
Unused Visibility = 0
GS Reacq
Occultation
Exp. 6
Homs
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 11598, Visit 18, completed Wed Oct 20 01:05:26 GMT 2010

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Fixed Targets

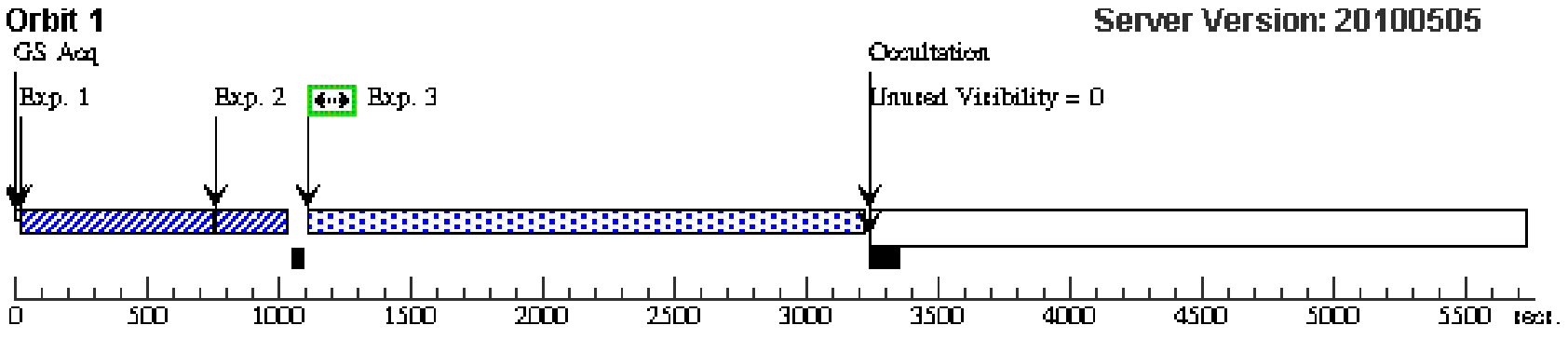
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(18)	SDSSJ091029.75+101413.6	RA: 09 10 29.7569 (137.6239871d) Dec: +10 14 13.61 (10.23711d) Equinox: J2000		V=17.74+/-0.1	Reference Frame: ICRS

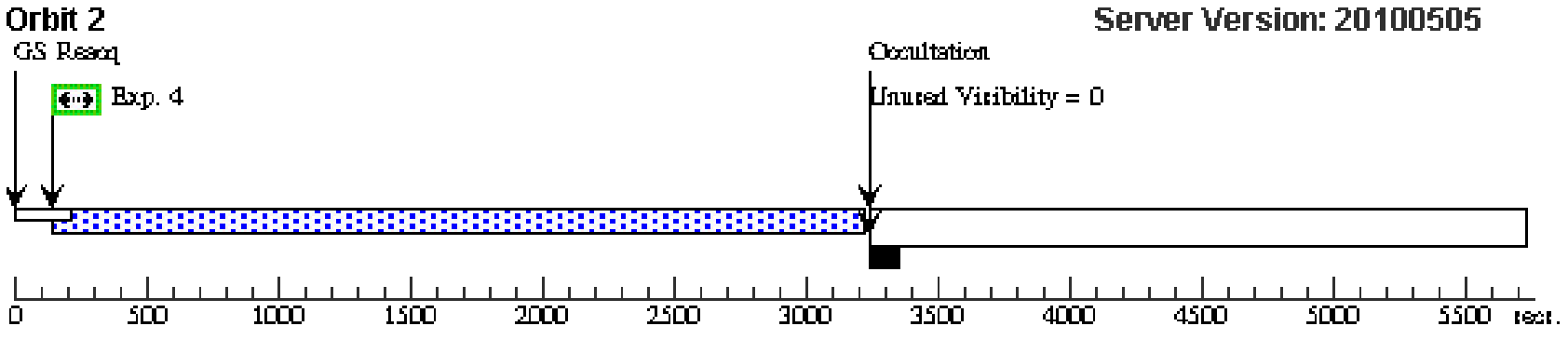
Comments: z_QSO = 0.46, FUVMag = 18.69

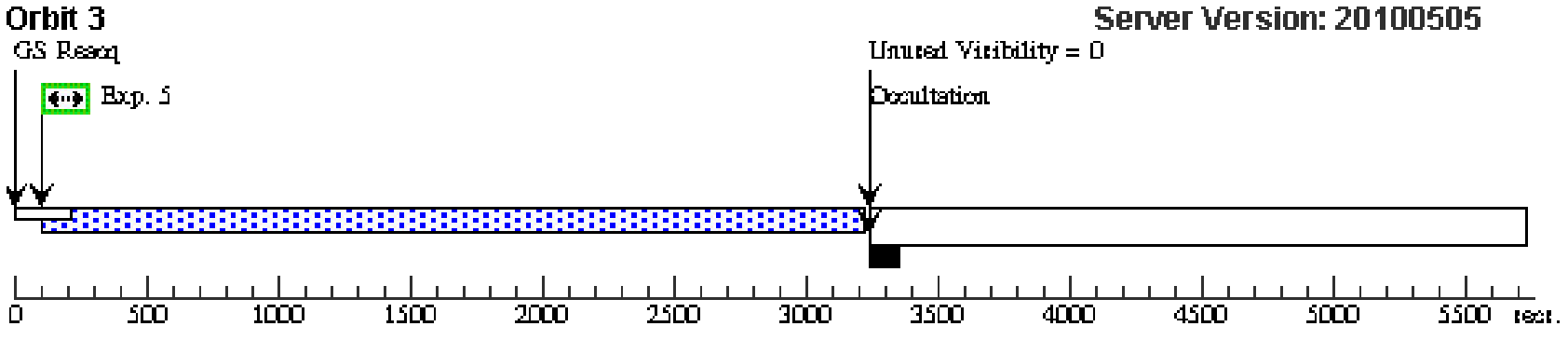
Exposures

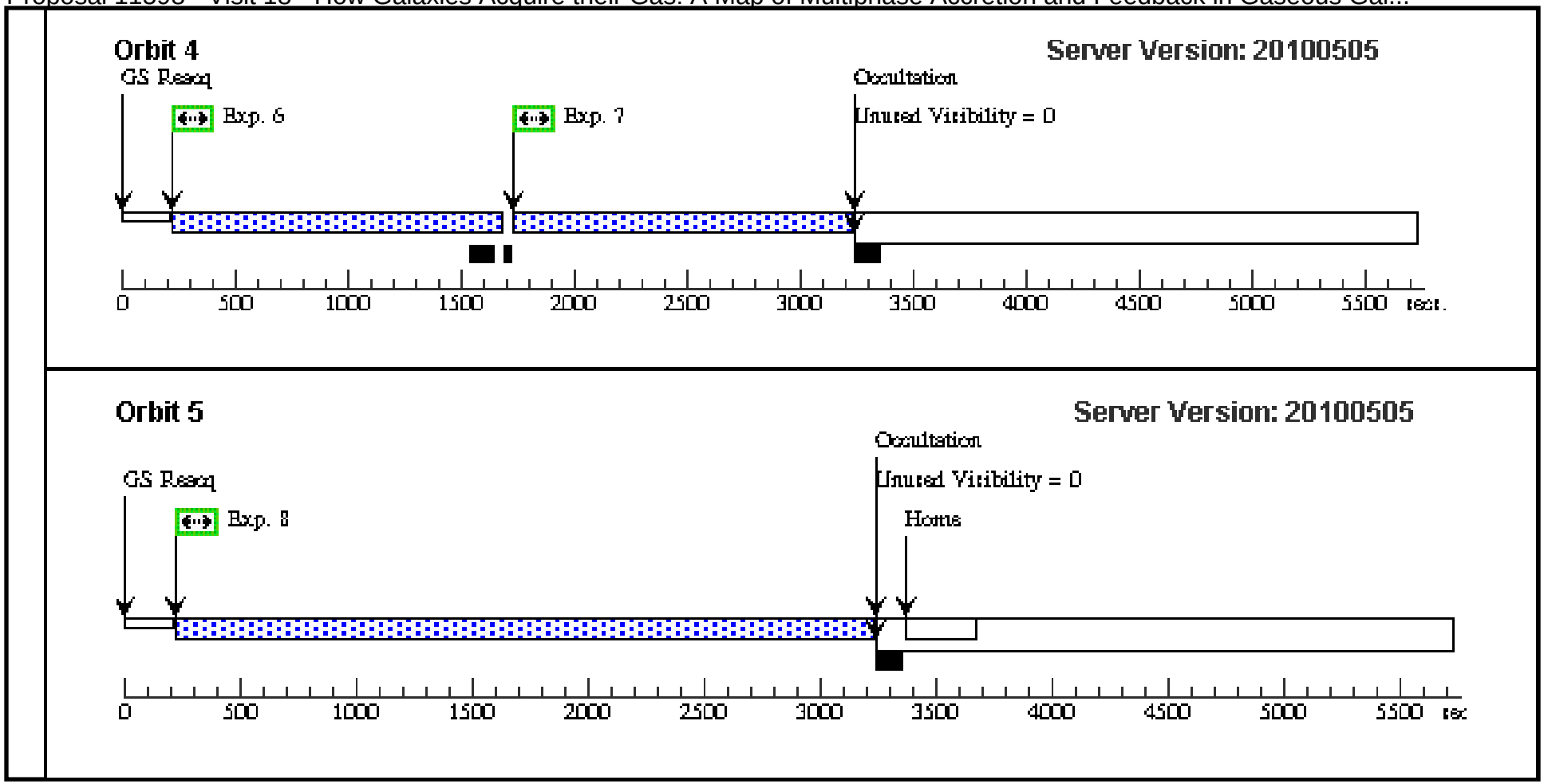
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	Target Acq	(18) SDSSJ091029.75+101413.6	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2; STEP-SIZE=1.767; CENTER=FLUX-WT			69.0 Secs *[==>]*	***[1]***
2	Target Acq	(18) SDSSJ091029.75+101413.6	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				69.0 Secs *[==>]*	***[1]***
3		(18) SDSSJ091029.75+101413.6	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=1890; FLASH=YES			1954.0 Secs *[==>]*	***[1]***
4		(18) SDSSJ091029.75+101413.6	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=2880; FLASH=YES			2959.0 Secs *[==>]*	***[2]***
5		(18) SDSSJ091029.75+101413.6	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=2880; FLASH=YES			2959.0 Secs *[==>]*	***[3]***
6		(18) SDSSJ091029.75+101413.6	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=1295; FLASH=YES			1407.0 Secs *[==>]*	***[4]***
7		(18) SDSSJ091029.75+101413.6	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=1295; FLASH=YES			1374.0 Secs *[==>]*	***[4]***
8		(18) SDSSJ091029.75+101413.6	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2880; FLASH=YES			2959.0 Secs *[==>]*	***[5]***

Orbit Structure








Orbit 4
Server Version: 20100505
GS Reacq
Exp. 6
Exp. 7
Occultation
Unused Visibility = 0
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec.
Orbit 5
Server Version: 20100505
Occultation
GS Reacq
Unused Visibility = 0
Exp. 8
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 11598, Visit 21, completed Wed Oct 20 01:05:26 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Diagnostics

(Visit 21) Warning (Orbit Planner): VISIBILITY OVERRUN

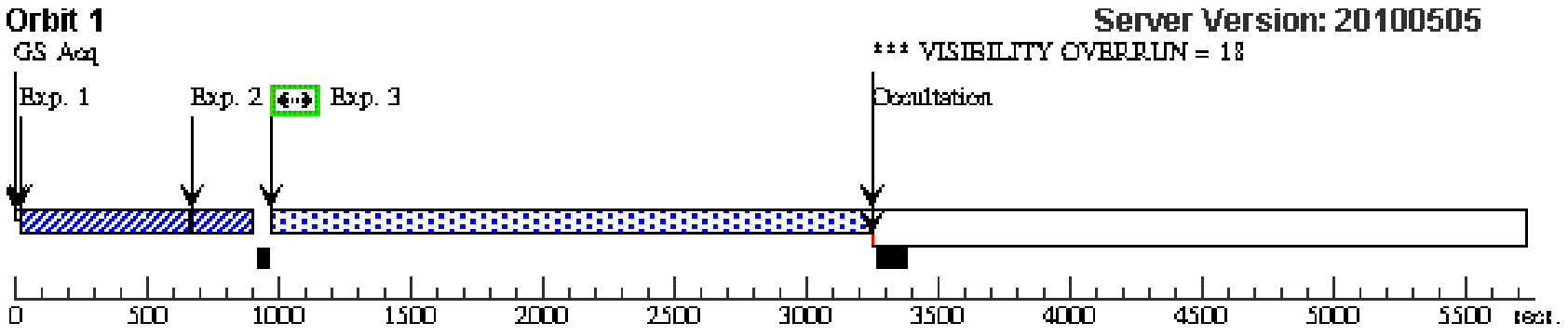
Fixed Targets

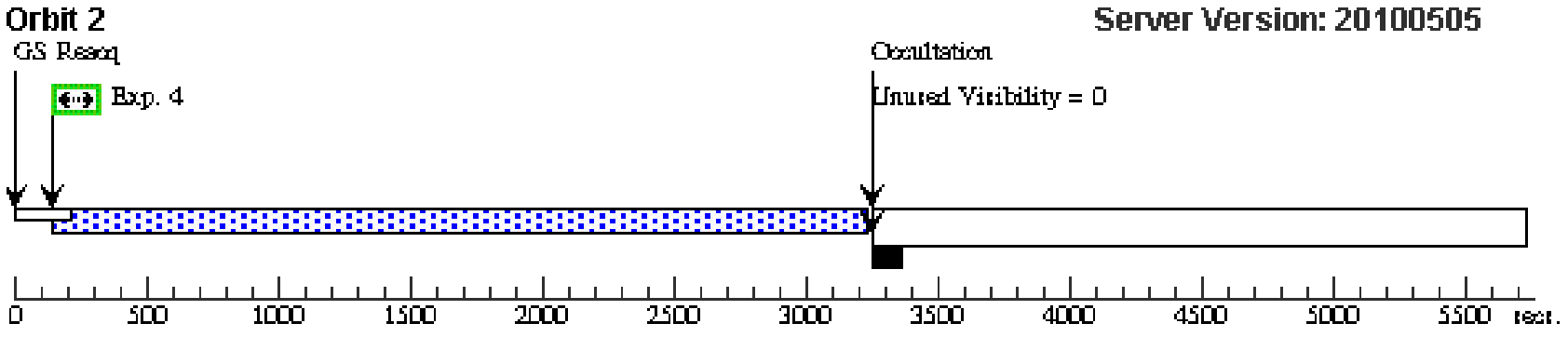
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(21)	SDSSJ091440.38+282330.6	RA: 09 14 40.3894 (138.6682892d) Dec: +28 23 30.62 (28.39184d) Equinox: J2000		V=17.79+/-0.1	Reference Frame: ICRS

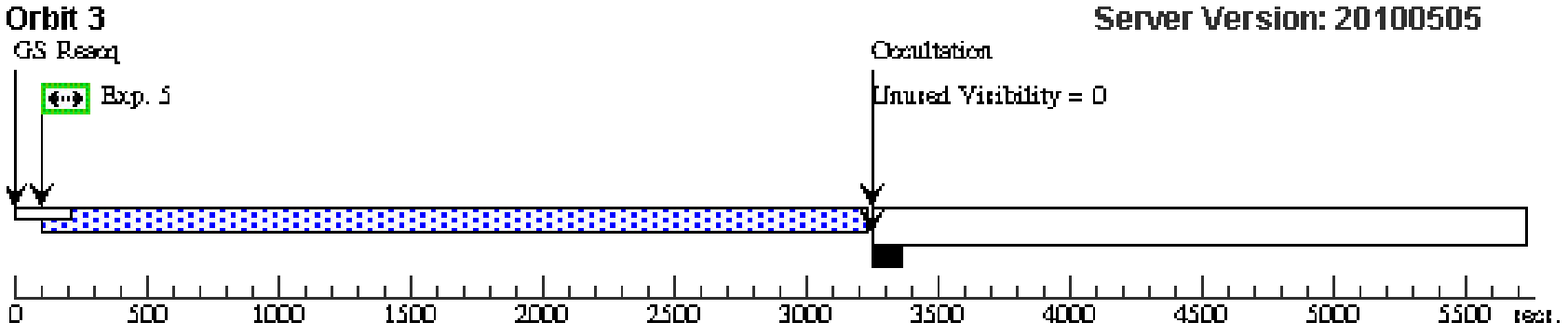
Exposures

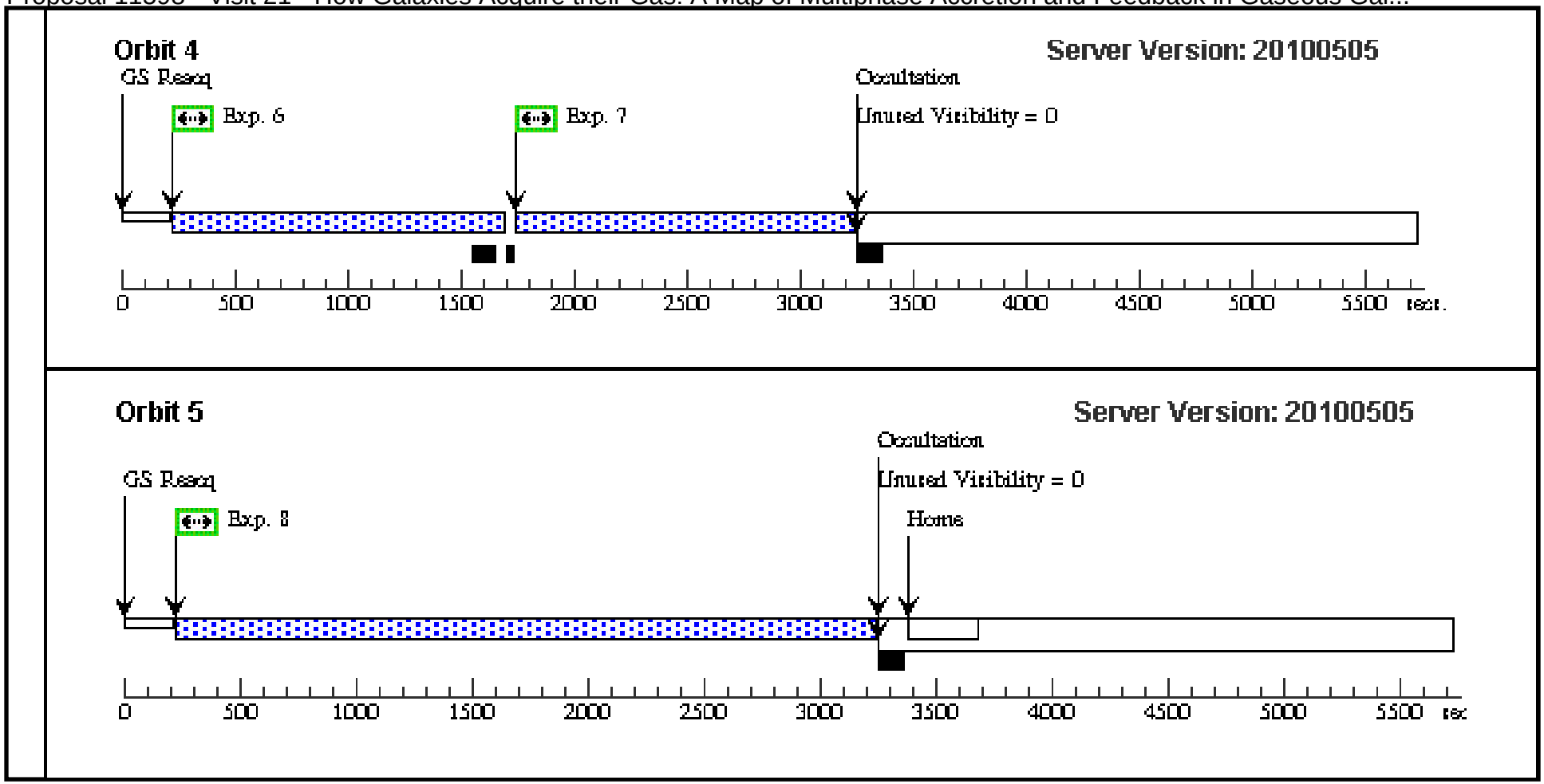
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	Target Acq	(21) SDSSJ091440.38+282330.6	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2; STEP-SIZE=1.767; CENTER=FLUX-WT			46.0 Secs *[==>]*	***[1]***
2	Target Acq	(21) SDSSJ091440.38+282330.6	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				46.0 Secs *[==>]*	***[1]***
3		(21) SDSSJ091440.38+282330.6	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=2045; FLASH=YES			2122.0 Secs *[==>]*	***[1]***
4		(21) SDSSJ091440.38+282330.6	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=2900; FLASH=YES			2971.0 Secs *[==>]*	***[2]***
5		(21) SDSSJ091440.38+282330.6	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=2896; FLASH=YES			2971.0 Secs *[==>]*	***[3]***
6		(21) SDSSJ091440.38+282330.6	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=1303; FLASH=YES			1415.0 Secs *[==>]*	***[4]***
7		(21) SDSSJ091440.38+282330.6	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=1303; FLASH=YES			1378.0 Secs *[==>]*	***[4]***
8		(21) SDSSJ091440.38+282330.6	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2896; FLASH=YES			2971.0 Secs *[==>]*	***[5]***

Orbit Structure








Orbit 4
Server Version: 20100505
GS Reacq
Exp. 6
Exp. 7
Occultation
Unused Visibility = 0
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec.
Orbit 5
Server Version: 20100505
Occultation
GS Reacq
Unused Visibility = 0
Exp. 8
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 11598, Visit 22, completed Wed Oct 20 01:05:27 GMT 2010

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

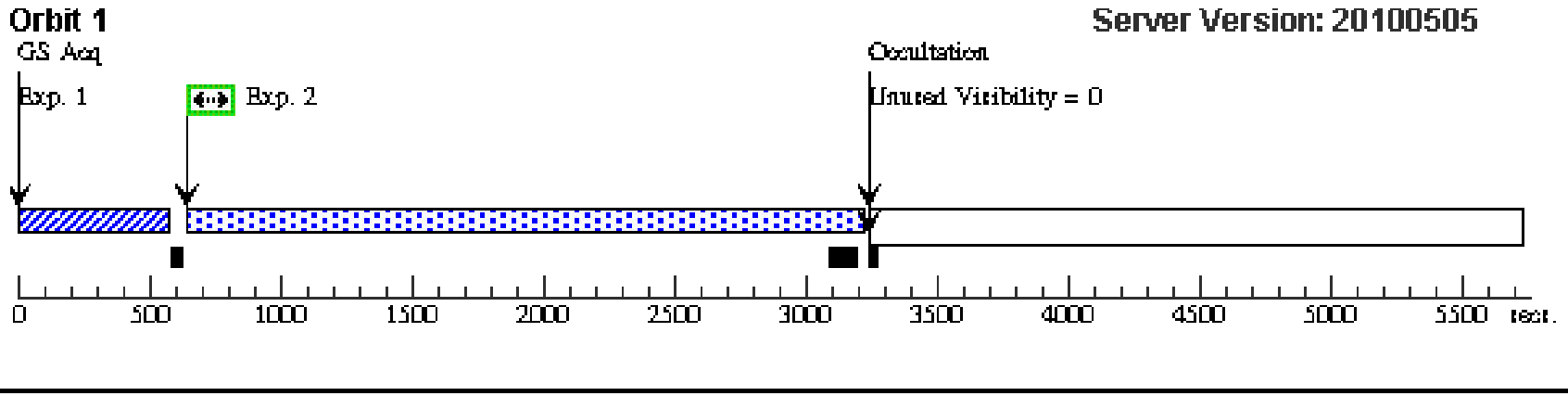
Fixed Targets

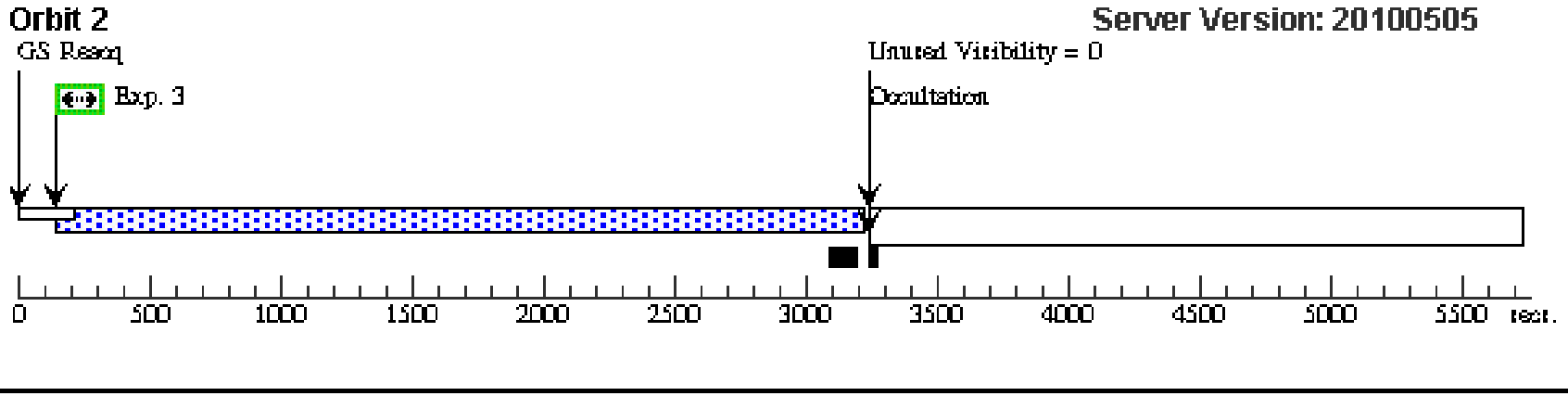
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(22)	SDSSJ040148.98-054056.5	RA: 04 01 48.9827 (60.4540946d) Dec: -05 40 56.58 (-5.68238d) Equinox: J2000		V=16.92+/-0.1 FUVmag = 18.00	Reference Frame: ICRS

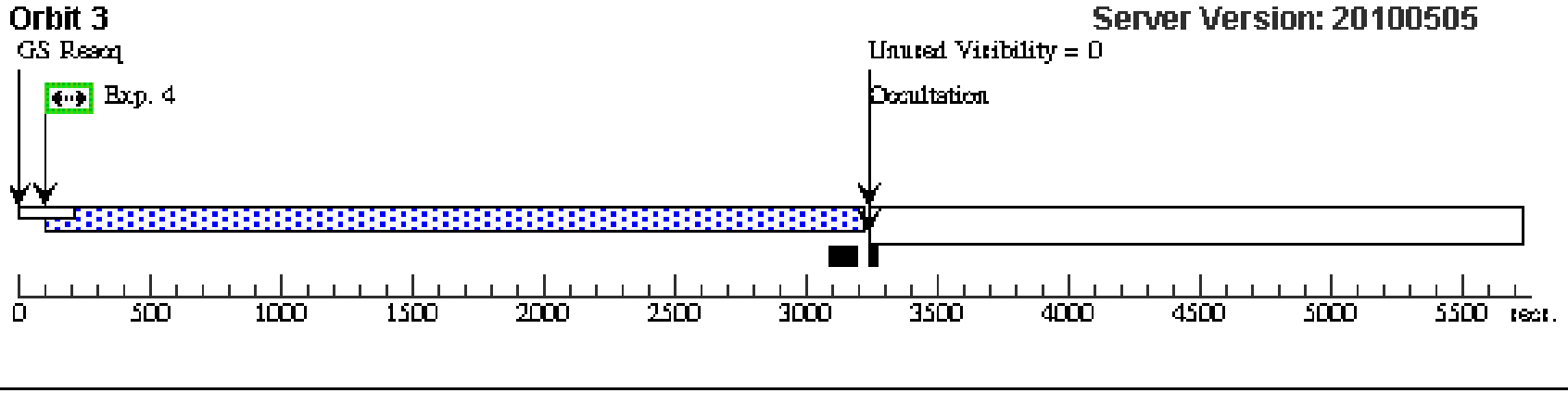
Exposures

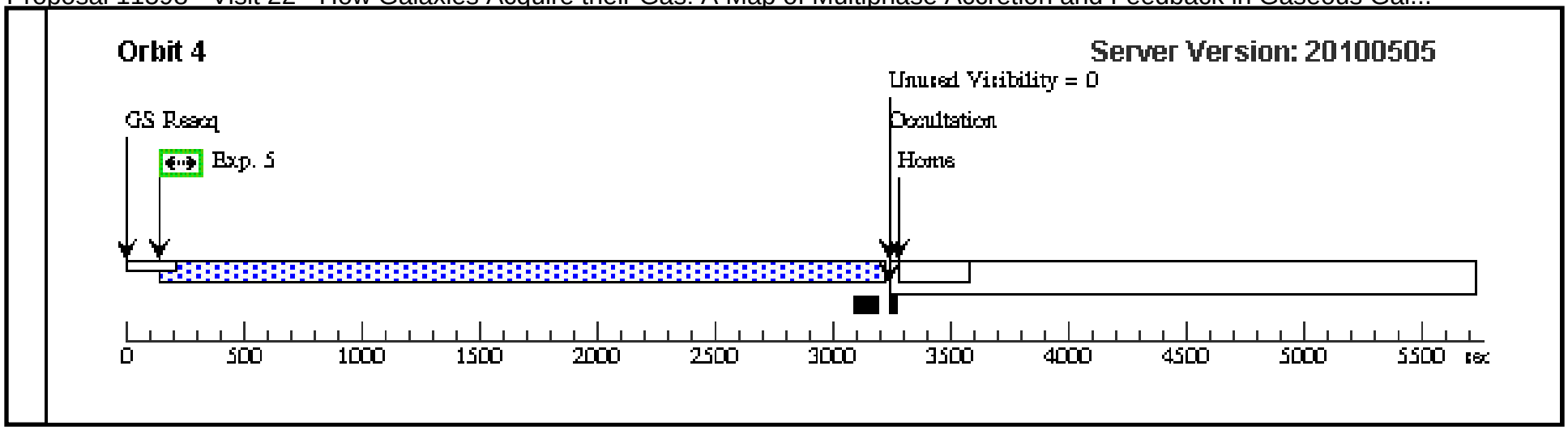
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	Target Acq	(22) SDSSJ040148.98-054056.5	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				72.0 Secs *[==>]*	***[1]***
2		(22) SDSSJ040148.98-054056.5	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=2311; FLASH=YES			2421.0 Secs *[==>]*	***[1]***
3		(22) SDSSJ040148.98-054056.5	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=2846; FLASH=YES			2956.0 Secs *[==>]*	***[2]***
4		(22) SDSSJ040148.98-054056.5	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=2846; FLASH=YES			2956.0 Secs *[==>]*	***[3]***
5		(22) SDSSJ040148.98-054056.5	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2846; FLASH=YES			2956.0 Secs *[==>]*	***[4]***

Orbit Structure








Orbit 4
Server Version: 20100505
Unused Visibility = 0
GS Reacq
Occultation
Exp. 5
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 11598, Visit 23, completed Wed Oct 20 01:05:27 GMT 2010

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

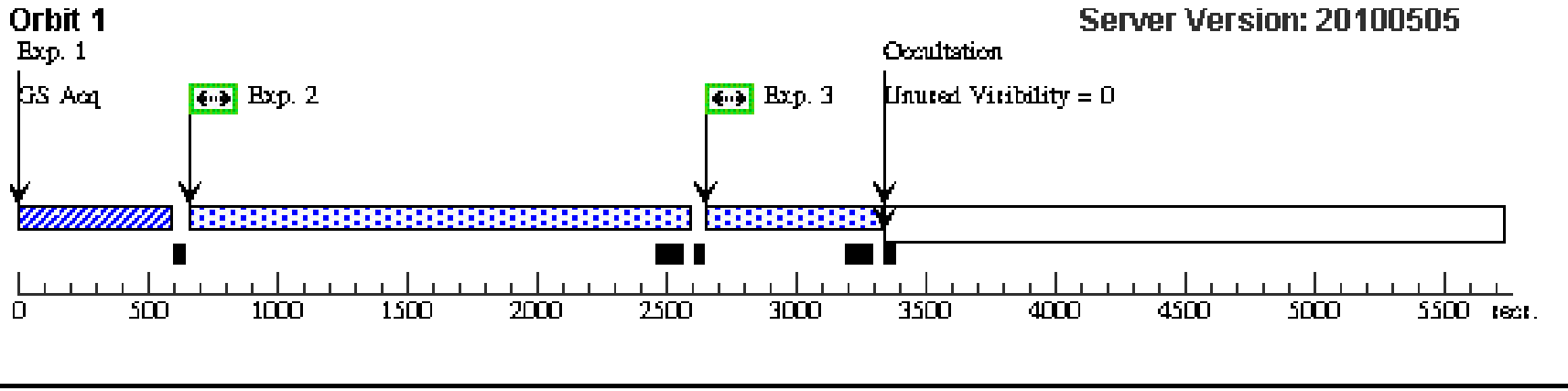
Fixed Targets

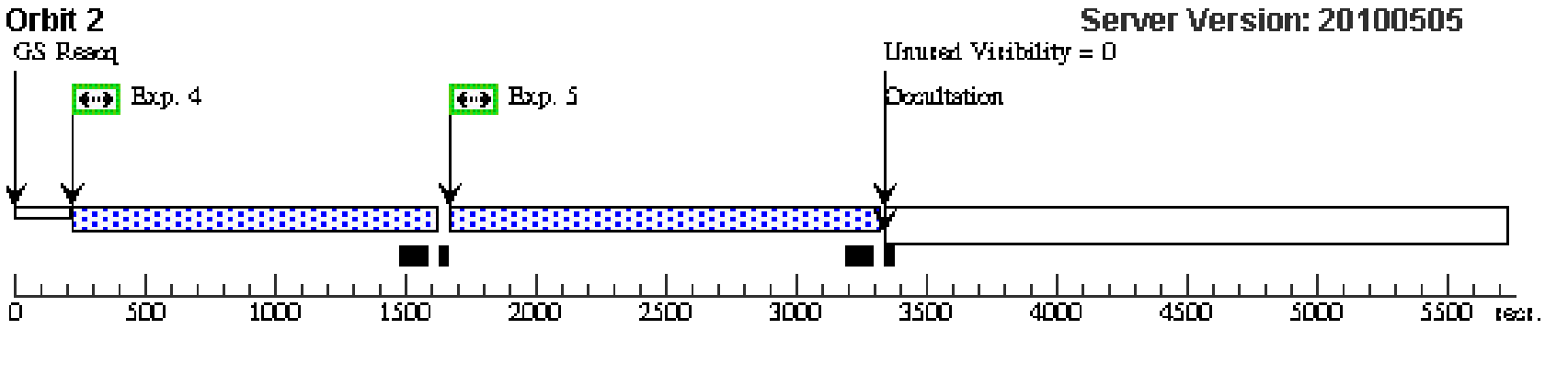
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(23)	SDSSJ141910.20+420746.9	RA: 14 19 10.2033 (214.7925137d) Dec: +42 07 46.93 (42.12970d) Equinox: J2000		V=17.04+/-0.1	Reference Frame: ICRS

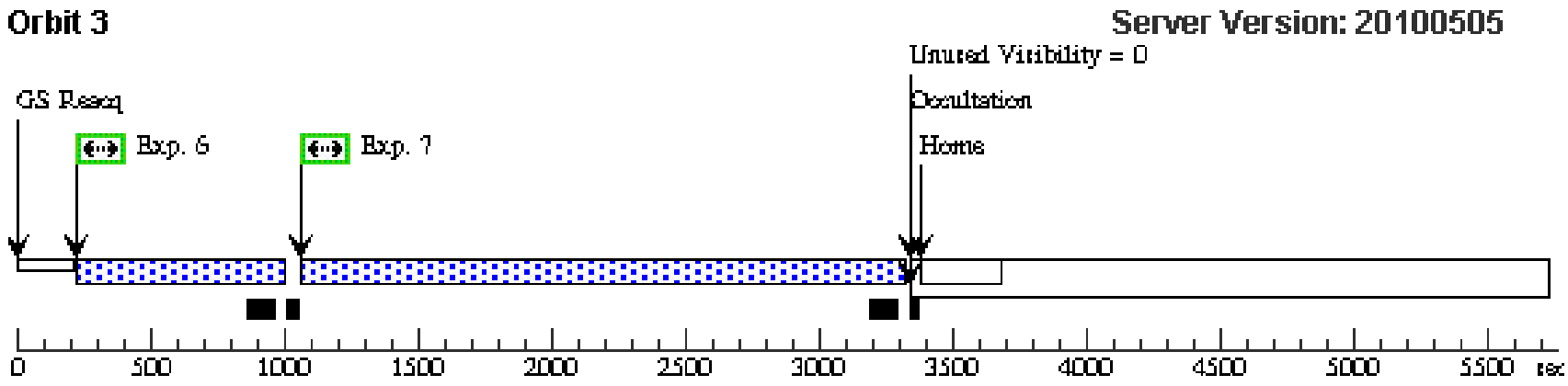
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	Target Acq	(23) SDSSJ141910.20+420746.9	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				80.0 Secs *[==>]*	*[1]*
2		(23) SDSSJ141910.20+420746.9	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=1664; FLASH=YES			1774. Secs *[==>]*	*[1]*
3		(23) SDSSJ141910.20+420746.9	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=442; FLASH=YES			552 Secs *[==>]*	*[1]*
4		(23) SDSSJ141910.20+420746.9	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=1235; FLASH=YES			1350.0 Secs *[==>]*	*[2]*
5		(23) SDSSJ141910.20+420746.9	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=1372; FLASH=YES			1487.0 Secs *[==>]*	*[2]*
6		(23) SDSSJ141910.20+420746.9	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=616; FLASH=YES			726.0 Secs *[==>]*	*[3]*
7		(23) SDSSJ141910.20+420746.9	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2031; FLASH=YES			2141 Secs *[==>]*	*[3]*

Orbit Structure







Visit

Proposal 11598, Visit 24, completed Wed Oct 20 01:05:28 GMT 2010

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

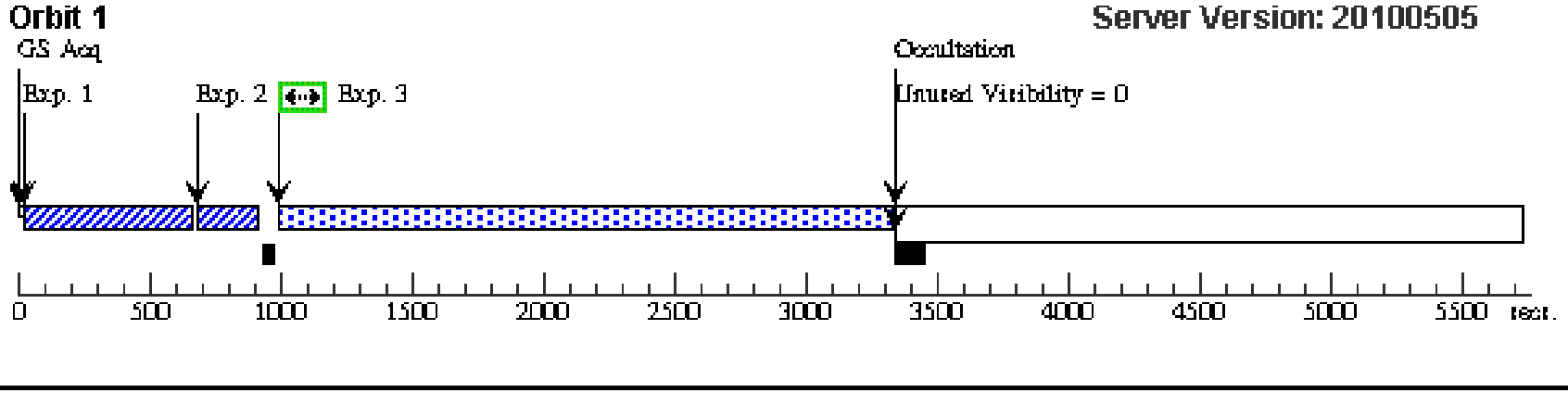
Fixed Targets

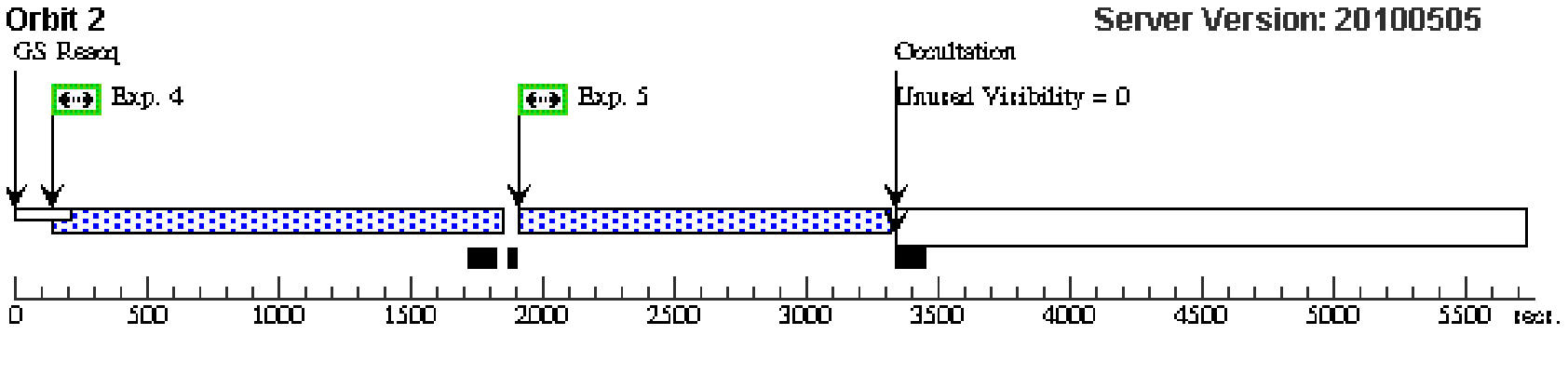
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(24)	SDSSJ092554.70+400414.1	RA: 09 25 54.7062 (141.4779425d) Dec: +40 04 14.11 (40.07059d) Equinox: J2000		V=17.61+/-0.1	Reference Frame: ICRS

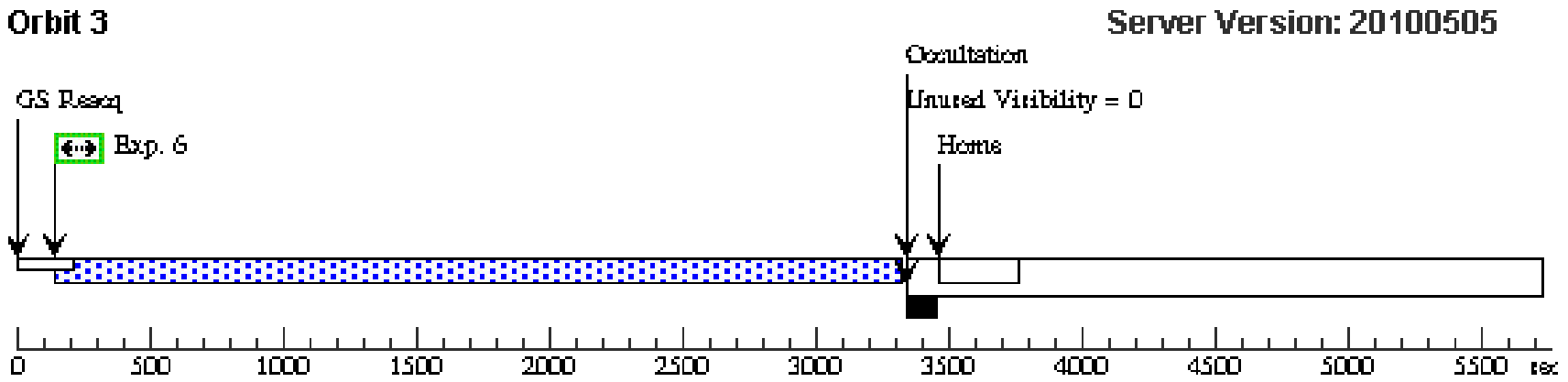
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	Target Acq	(24) SDSSJ092554.70+400414.1	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2; STEP-SIZE=1.767; CENTER=FLUX-WT			48.0 Secs *[==>]*	 ***[1]***
2	Target Acq	(24) SDSSJ092554.70+400414.1	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				48.0 Secs *[==>]*	 ***[1]***
3		(24) SDSSJ092554.70+400414.1	COS/FUV, TIME-TAG, PSA	G130M 1318 A	BUFFER-TIME=2117; FLASH=YES			2176.0 Secs *[==>]*	 ***[1]***
4		(24) SDSSJ092554.70+400414.1	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=1477; FLASH=YES			1589.0 Secs *[==>]*	 ***[2]***
5		(24) SDSSJ092554.70+400414.1	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=1163; FLASH=YES			1248.0 Secs *[==>]*	 ***[2]***
6		(24) SDSSJ092554.70+400414.1	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2980; FLASH=YES			3055.0 Secs *[==>]*	 ***[3]***

Orbit Structure







Visit

Proposal 11598, Visit 25, completed Wed Oct 20 01:05:28 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Diagnostics

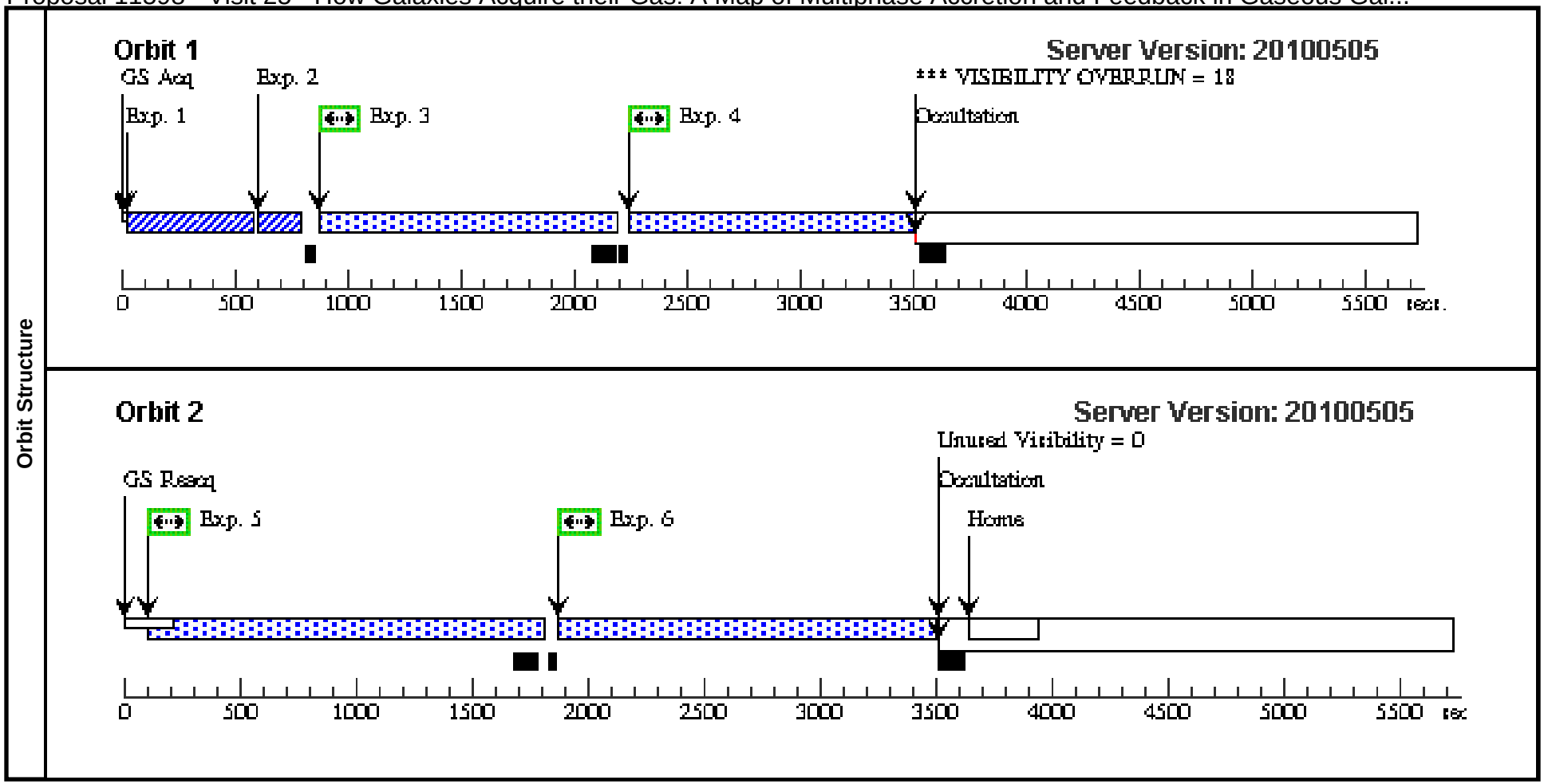
(Visit 25) Warning (Orbit Planner): VISIBILITY OVERRUN

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(25)	SDSSJ092837.98+602521.0	RA: 09 28 37.9836 (142.1582650d) Dec: +60 25 21.02 (60.42251d) Equinox: J2000		V=17.27+/-0.1	Reference Frame: ICRS

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	Target Acq	(25) SDSSJ092837.98+602521.0	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2; STEP-SIZE=1.767; CENTER=FLUX-WT			28.0 Secs *[==>]*	***[1]***
2	Target Acq	(25) SDSSJ092837.98+602521.0	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				28.0 Secs *[==>]*	***[1]***
3		(25) SDSSJ092837.98+602521.0	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=1070; FLASH=YES			1163.0 Secs *[==>]*	***[1]***
4		(25) SDSSJ092837.98+602521.0	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=1071; FLASH=YES			1148.0 Secs *[==>]*	***[1]***
5		(25) SDSSJ092837.98+602521.0	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=1435; FLASH=YES			1547.0 Secs *[==>]*	***[2]***
6		(25) SDSSJ092837.98+602521.0	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=1435; FLASH=YES			1505.0 Secs *[==>]*	***[2]***


Orbit Structure
Orbit 1
Server Version: 20100505
GS Acq
Exp. 2
*** VISIBILITY OVERRUN = 18
Exp. 1
Exp. 3
Exp. 4
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec.
Orbit 2
Server Version: 20100505
Unused Visibility = 0
GS Reacq
Occultation
Exp. 5
Exp. 6
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 11598, Visit 26, failed Wed Oct 20 01:05:28 GMT 2010

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: AFTER 30-NOV-2009:00:00:00

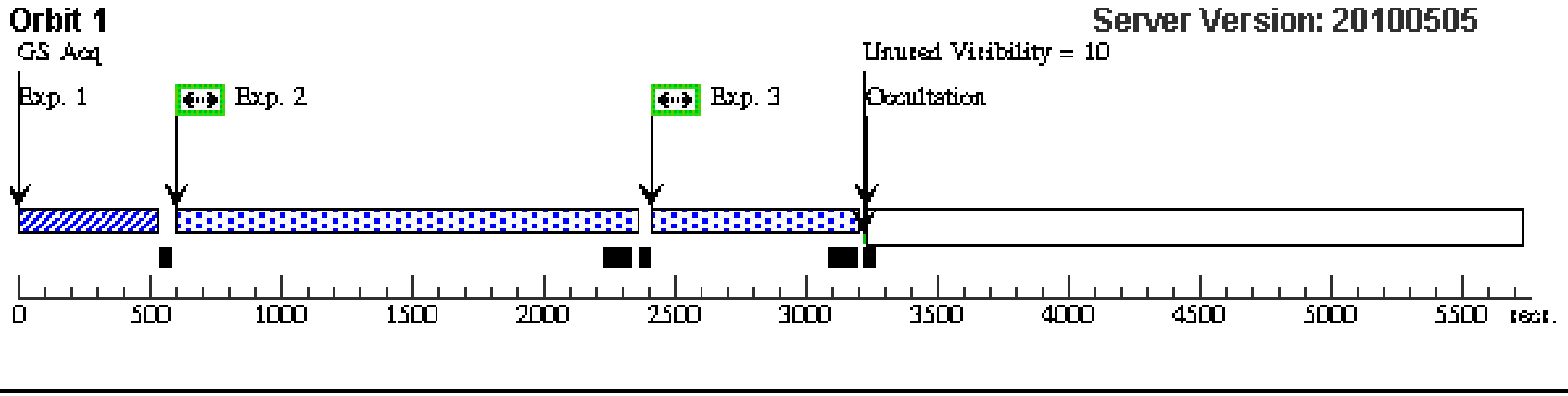
Fixed Targets

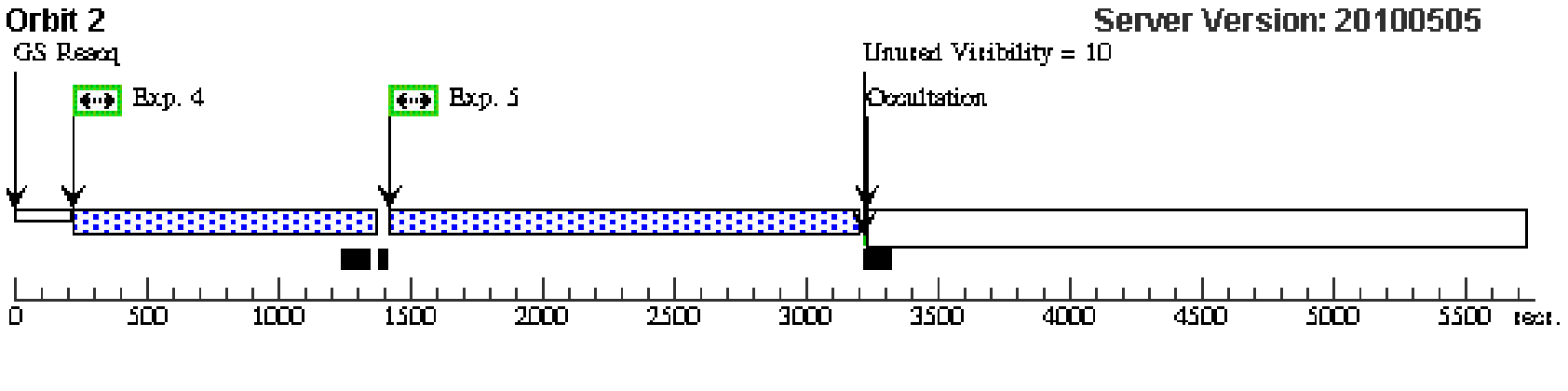
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(26)	SDSSJ022614.46+001529.7	RA: 02 26 14.4661 (36.5602754d) Dec: +00 15 29.76 (.25827d) Equinox: J2000		V=17.15+/-0.1 FUVmag = 17.57	Reference Frame: ICRS

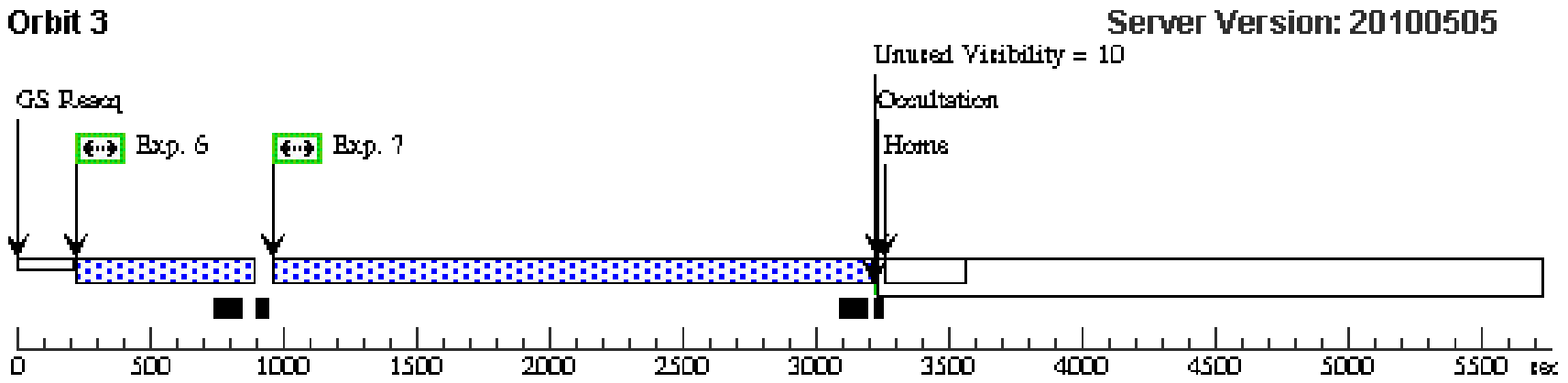
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	Target Acq	(26) SDSSJ022614.46+001529.7	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				50.0 Secs *[==>]*	*[1]*
2		(26) SDSSJ022614.46+001529.7	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=1490; FLASH=YES			1600.0 Secs *[==>]*	*[1]*
3		(26) SDSSJ022614.46+001529.7	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=569; FLASH=YES			669.0 Secs *[==>]*	*[1]*
4		(26) SDSSJ022614.46+001529.7	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=990; FLASH=YES			1100 Secs *[==>]*	*[2]*
5		(26) SDSSJ022614.46+001529.7	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=1627; FLASH=YES			1620.0 Secs *[==>]*	*[2]*
6		(26) SDSSJ022614.46+001529.7	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=490; FLASH=YES			619.0 Secs *[==>]*	*[3]*
7		(26) SDSSJ022614.46+001529.7	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2022; FLASH=YES			2122.0 Secs *[==>]*	*[3]*

Orbit Structure







Visit

Proposal 11598, Visit 27, completed Wed Oct 20 01:05:29 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: AFTER 30-NOV-2009:00:00:00

Diagnostics

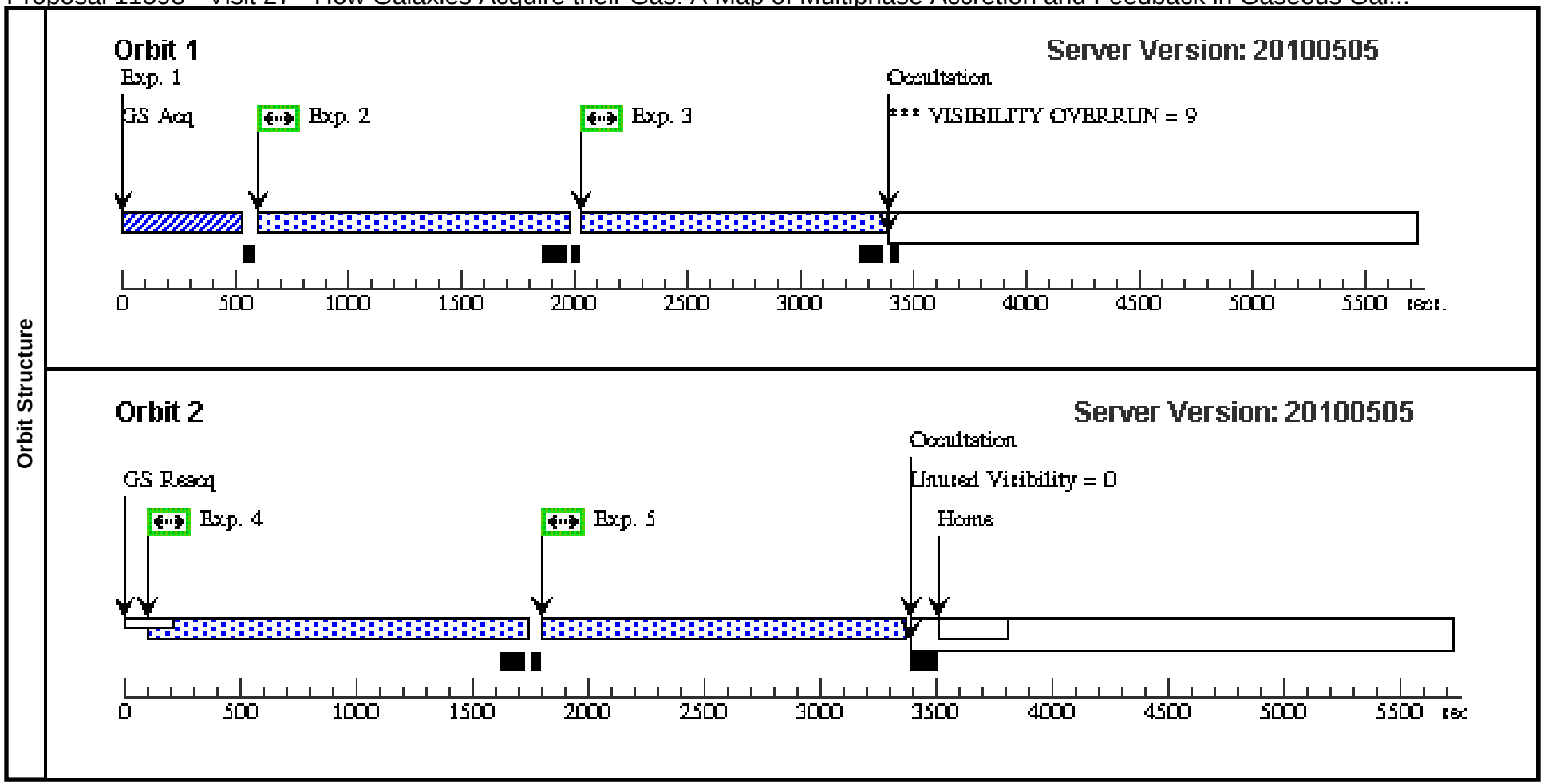
(Visit 27) Warning (Orbit Planner): VISIBILITY OVERRUN

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(27)	SDSSJ095000.73+483129.3	RA: 09 50 0.7404 (147.5030850d) Dec: +48 31 29.39 (48.52483d) Equinox: J2000		V=17.27+/-0.1	Reference Frame: ICRS

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	Target Acq	(27) SDSSJ095000.73+483129.3	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				50.0 Secs *[==>]*	 ***[1]***
2		(27) SDSSJ095000.73+483129.3	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=1120; FLASH=YES			1221.0 Secs *[==>]*	 ***[1]***
3		(27) SDSSJ095000.73+483129.3	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=1121; FLASH=YES			1224.0 Secs *[==>]*	 ***[1]***
4		(27) SDSSJ095000.73+483129.3	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=1368; FLASH=YES			1480.0 Secs *[==>]*	 ***[2]***
5		(27) SDSSJ095000.73+483129.3	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=1369; FLASH=YES			1447.0 Secs *[==>]*	 ***[2]***


Orbit Structure
Orbit 1
Server Version: 20100505
Exp. 1
GS Acq
Exp. 2
Exp. 3
Occultation
*** VISIBILITY OVERRUN = 9
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
Orbit 2
Server Version: 20100505
GS Reacq
Exp. 4
Exp. 5
Occultation
Unused Visibility = 0
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500

Visit

Proposal 11598, Visit 28, completed Wed Oct 20 01:05:29 GMT 2010

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

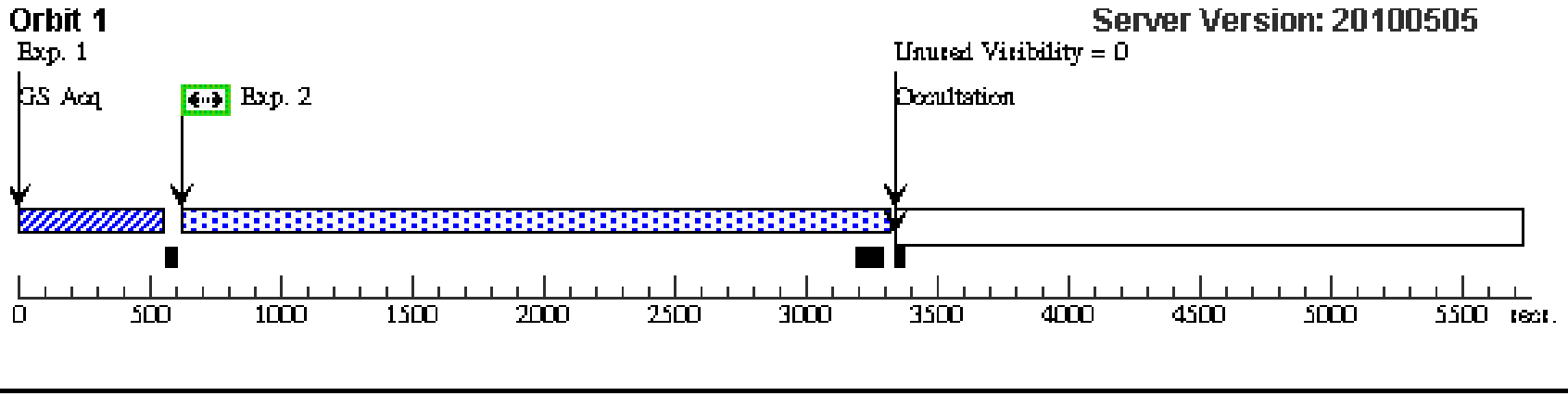
Fixed Targets

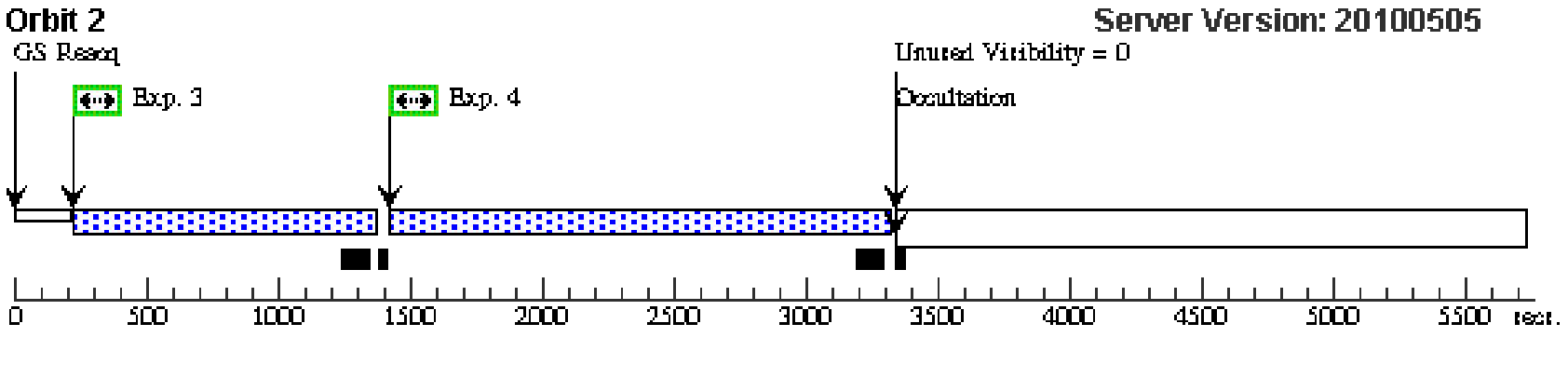
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(28)	SDSSJ161649.42+415416.3	RA: 16 16 49.4238 (244.2059325d) Dec: +41 54 16.39 (41.90455d) Equinox: J2000		V=16.98+/-0.1 FUVmag = 17.56	Reference Frame: ICRS

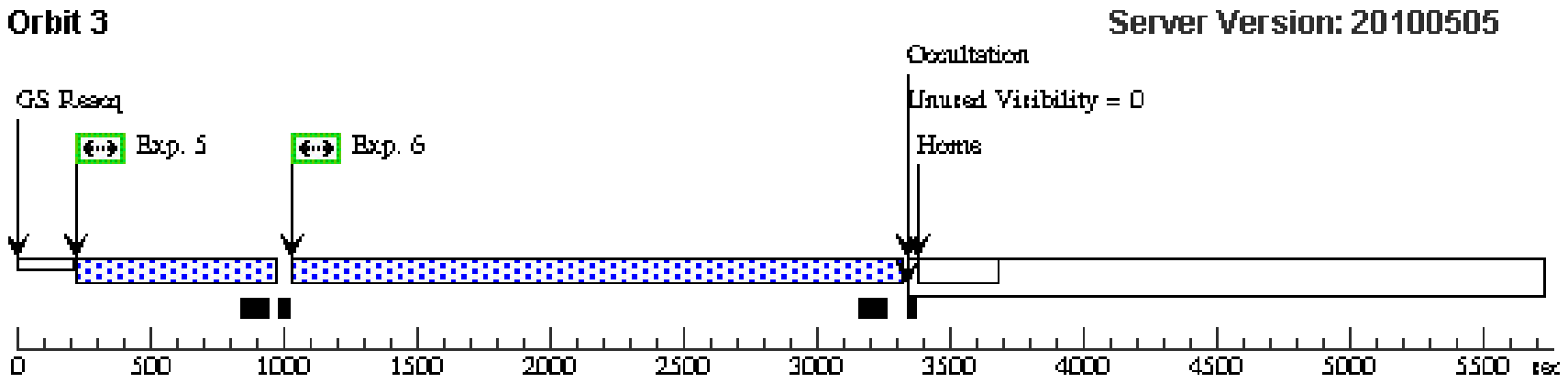
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	Target Acq	(28) SDSSJ161649.42+415416.3	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				60.0 Secs *[==>]*	*[1]*
2		(28) SDSSJ161649.42+415416.3	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=2434; FLASH=YES			2544.0 Secs *[==>]*	*[1]*
3		(28) SDSSJ161649.42+415416.3	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=990; FLASH=YES			1100 Secs *[==>]*	*[2]*
4		(28) SDSSJ161649.42+415416.3	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=1627; FLASH=YES			1737.0 Secs *[==>]*	*[2]*
5		(28) SDSSJ161649.42+415416.3	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=590; FLASH=YES			700.0 Secs *[==>]*	*[3]*
6		(28) SDSSJ161649.42+415416.3	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2029; FLASH=YES			2167.0 Secs *[==>]*	*[3]*

Orbit Structure







Visit

Proposal 11598, Visit 29, completed Wed Oct 20 01:05:29 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: AFTER 30-NOV-2009:00:00:00

Diagnostics

(Visit 29) Warning (Orbit Planner): VISIBILITY OVERRUN

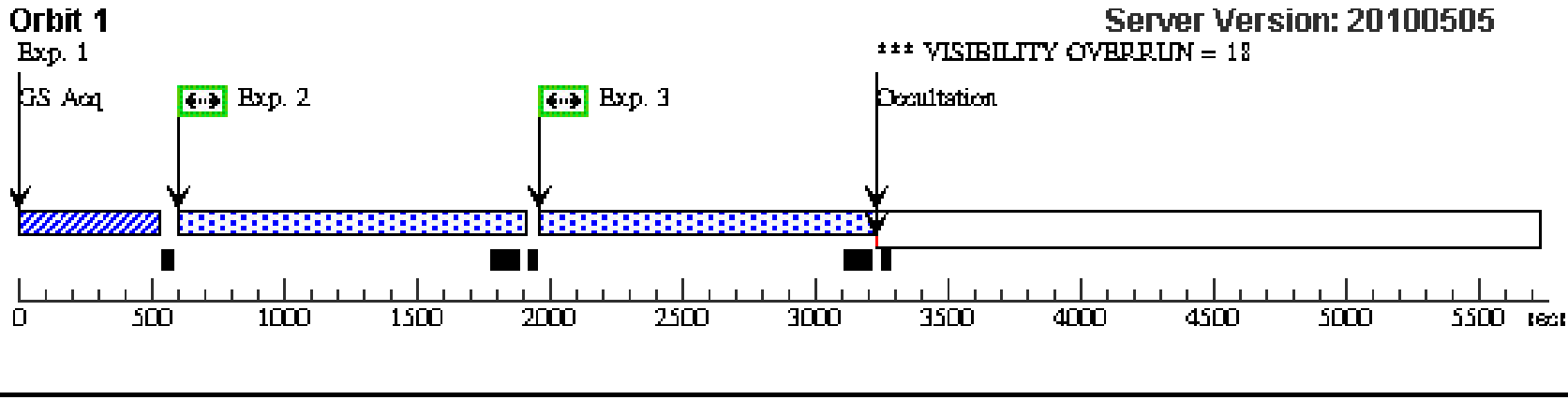
Fixed Targets

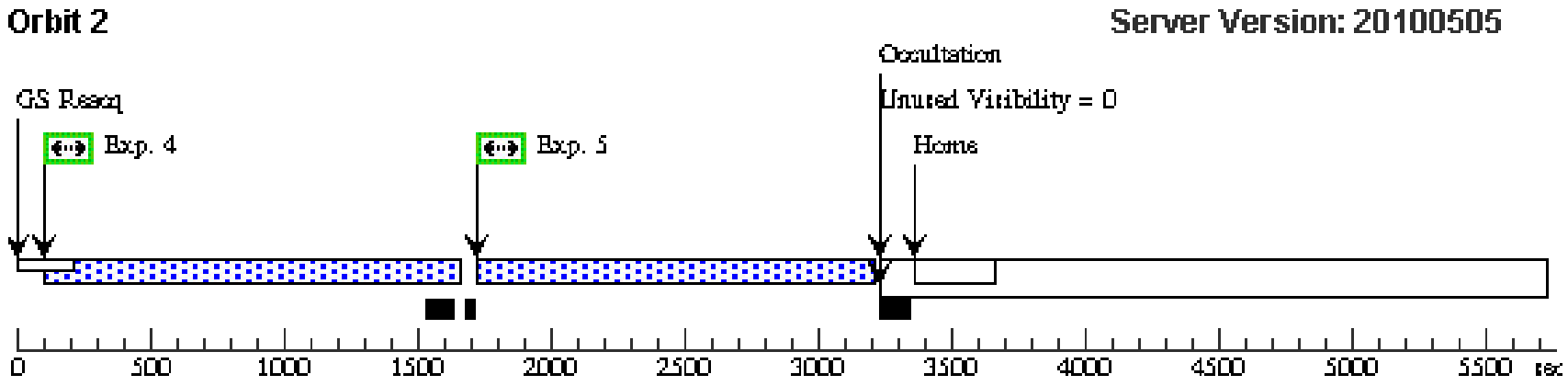
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(29)	SDSSJ102218.99+013218.8	RA: 10 22 18.9931 (155.5791379d) Dec: +01 32 18.82 (1.53856d) Equinox: J2000		V=16.75+/-0.1	Reference Frame: ICRS

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	Target Acq	(29) SDSSJ102218.99+013218.8	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				50.0 Secs *[==>]*	***[1]***
2		(29) SDSSJ102218.99+013218.8	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=1040; FLASH=YES			1150.0 Secs *[==>]*	***[1]***
3		(29) SDSSJ102218.99+013218.8	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=1040; FLASH=YES			1147.0 Secs *[==>]*	***[1]***
4		(29) SDSSJ102218.99+013218.8	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=1287; FLASH=YES			1400.0 Secs *[==>]*	***[2]***
5		(29) SDSSJ102218.99+013218.8	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=1288; FLASH=YES			1370.0 Secs *[==>]*	***[2]***

Orbit Structure





Visit

Proposal 11598, Visit 30, completed Wed Oct 20 01:05:30 GMT 2010

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

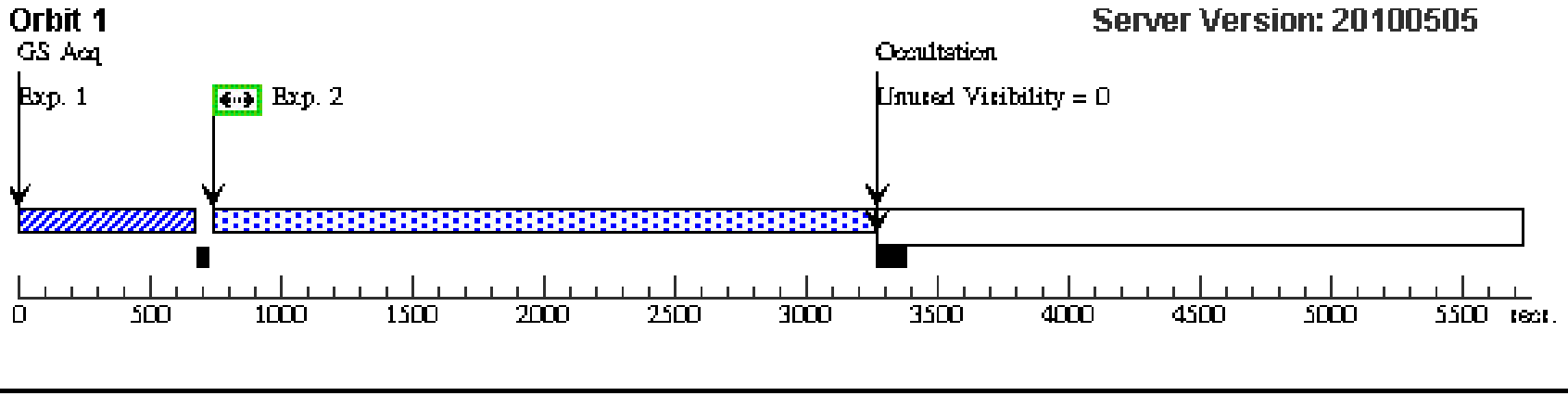
Fixed Targets

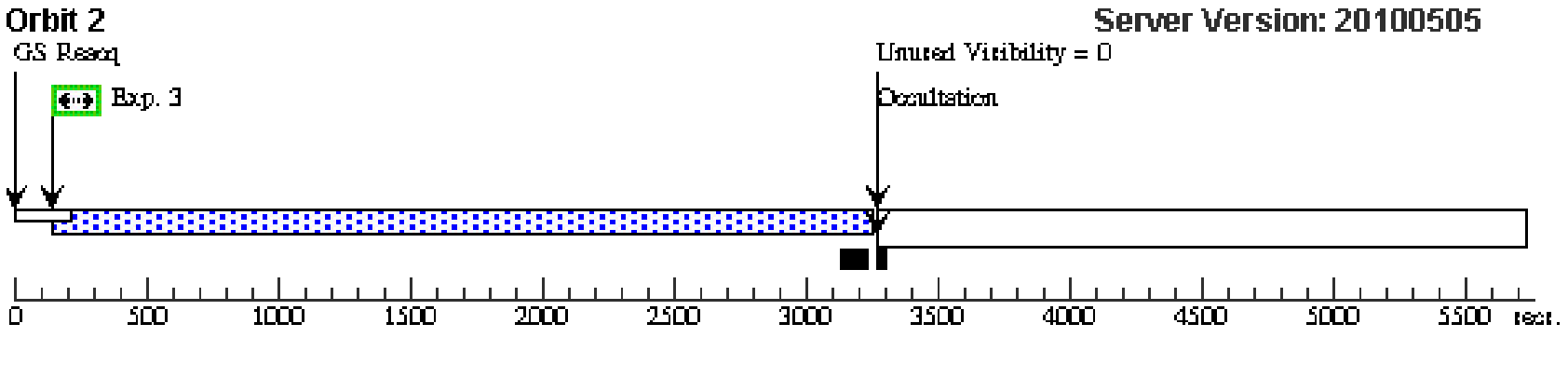
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(30)	SDSSJ161916.54+334238.4	RA: 16 19 16.5445 (244.8189354d) Dec: +33 42 38.40 (33.71067d) Equinox: J2000		V=16.88+/-0.1	Reference Frame: ICRS

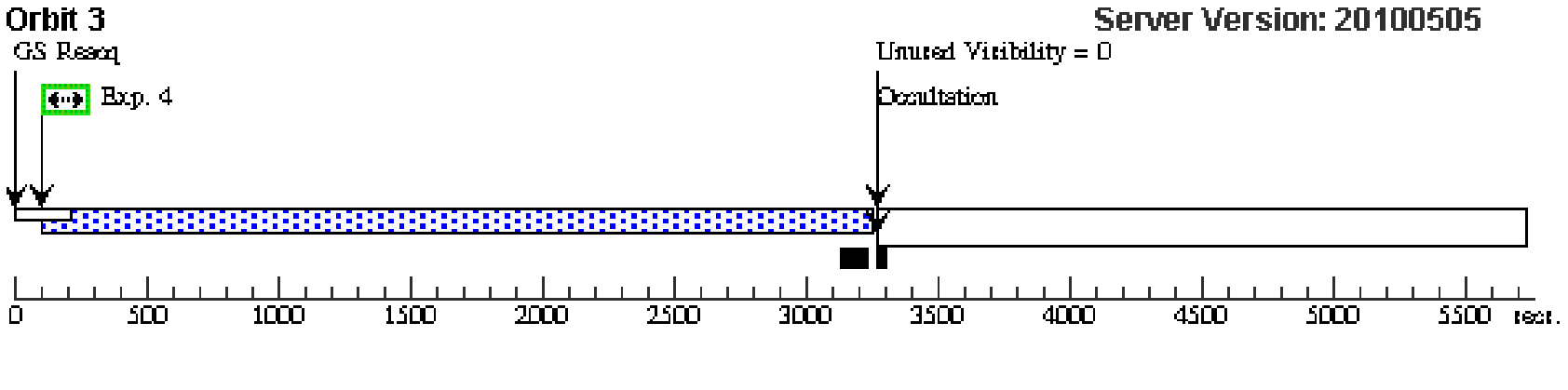
Exposures

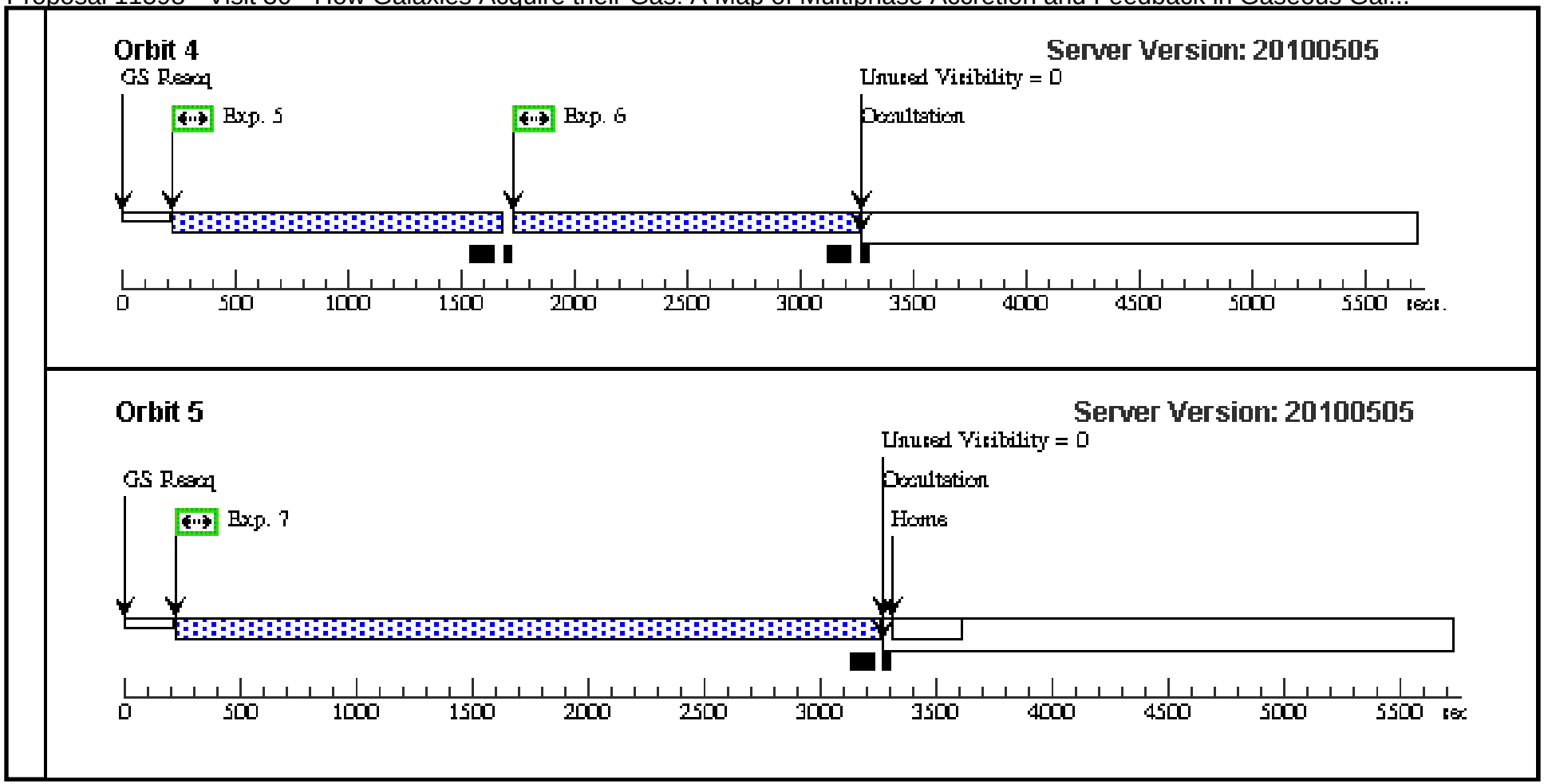
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	Target Acq	(30) SDSSJ161916.54+334238.4	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				120.0 Secs *[==>]*	*[1]*
2		(30) SDSSJ161916.54+334238.4	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=2348; FLASH=YES			2358.0 Secs *[==>]*	*[1]*
3		(30) SDSSJ161916.54+334238.4	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=2879; FLASH=YES			2989.0 Secs *[==>]*	*[2]*
4		(30) SDSSJ161916.54+334238.4	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=2879; FLASH=YES			2989.0 Secs *[==>]*	*[3]*
5		(30) SDSSJ161916.54+334238.4	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=1290; FLASH=YES			1405.0 Secs *[==>]*	*[4]*
6		(30) SDSSJ161916.54+334238.4	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=1290; FLASH=YES			1406.0 Secs *[==>]*	*[4]*
7		(30) SDSSJ161916.54+334238.4	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2879; FLASH=YES			2989.0 Secs *[==>]*	*[5]*

Orbit Structure








Orbit 4
Server Version: 20100505
GS Reacq
Exp. 5
Exp. 6
Unused Visibility = 0
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec.
Orbit 5
Server Version: 20100505
Unused Visibility = 0
GS Reacq
Occultation
Exp. 7
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 11598, Visit 31, completed Wed Oct 20 01:05:30 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Diagnostics

(Visit 31) Warning (Orbit Planner): VISIBILITY OVERRUN

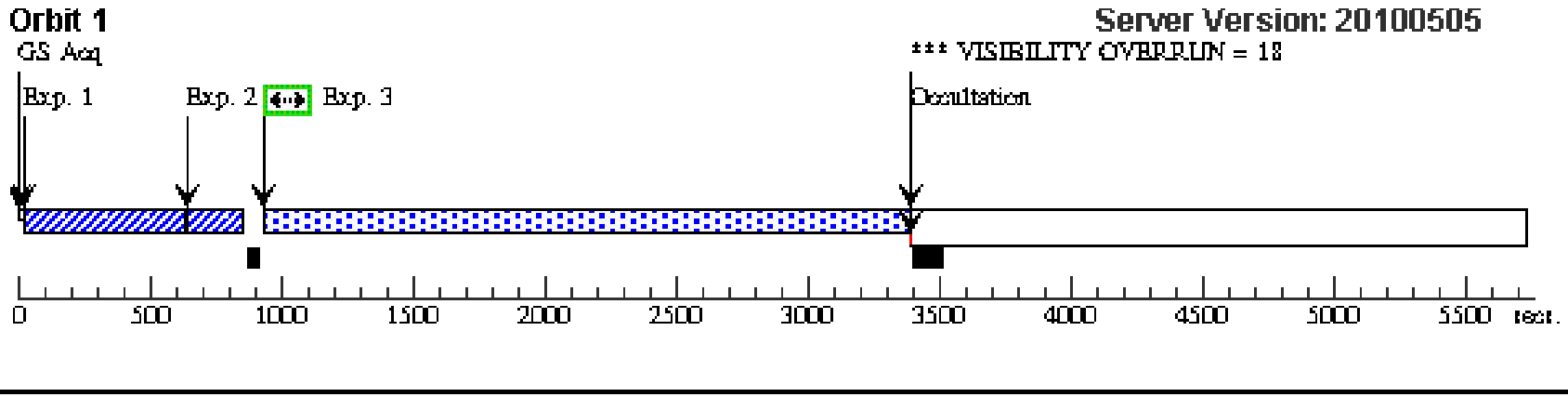
Fixed Targets

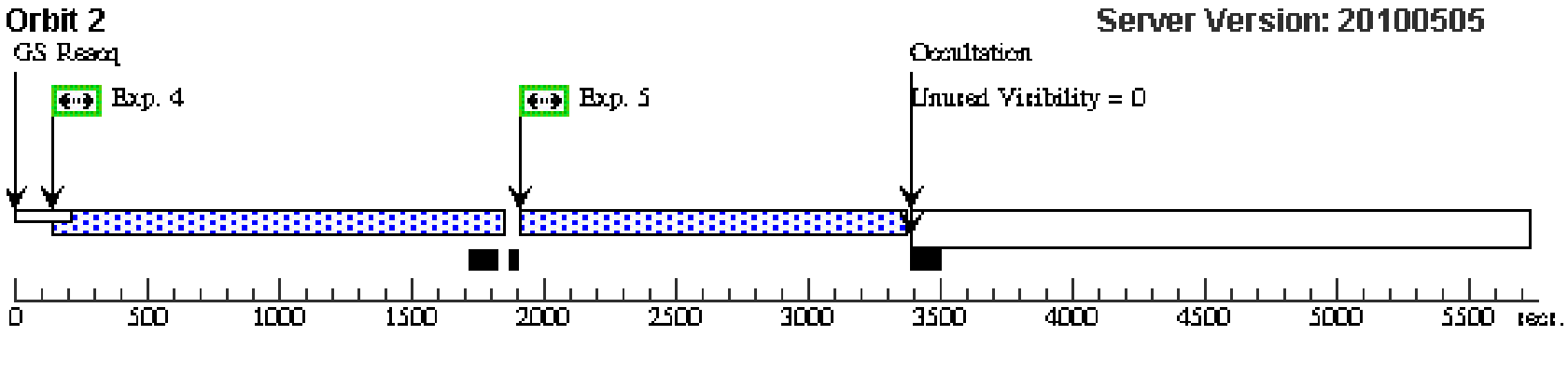
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(31)	SDSSJ123335.07+475800.4	RA: 12 33 35.0780 (188.3961583d) Dec: +47 58 0.47 (47.96680d) Equinox: J2000		V=17.25+/-0.1	Reference Frame: ICRS

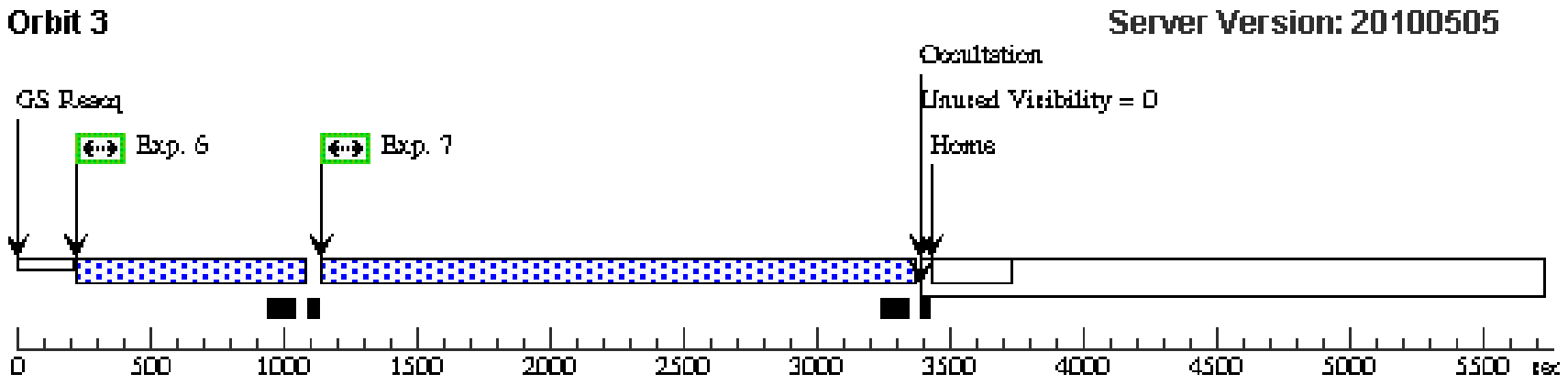
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	Target Acq	(31) SDSSJ123335.07+475800.4	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2; STEP-SIZE=1.767; CENTER=FLUX-WT			39.0 Secs *[==>]*	***[1]***
2	Target Acq	(31) SDSSJ123335.07+475800.4	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				39.0 Secs *[==>]*	***[1]***
3		(31) SDSSJ123335.07+475800.4	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=2218; FLASH=YES			2298.0 Secs *[==>]*	***[1]***
4		(31) SDSSJ123335.07+475800.4	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=1475; FLASH=YES			1587.0 Secs *[==>]*	***[2]***
5		(31) SDSSJ123335.07+475800.4	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=1212; FLASH=YES			1300.0 Secs *[==>]*	***[2]***
6		(31) SDSSJ123335.07+475800.4	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=690; FLASH=YES			813.0 Secs *[==>]*	***[3]***
7		(31) SDSSJ123335.07+475800.4	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=1990; FLASH=YES			2104.0 Secs *[==>]*	***[3]***

Orbit Structure







Visit

Proposal 11598, Visit 32, completed Wed Oct 20 01:05:31 GMT 2010

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

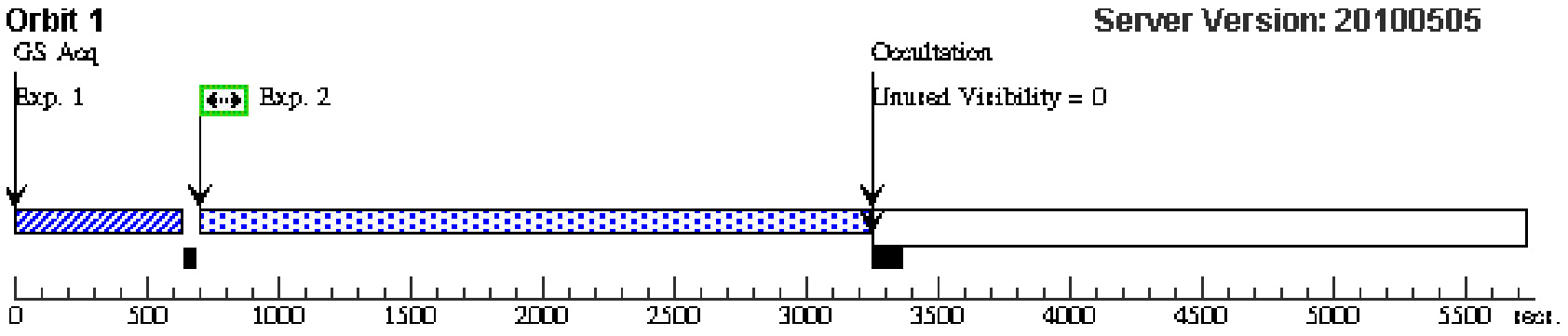
Fixed Targets

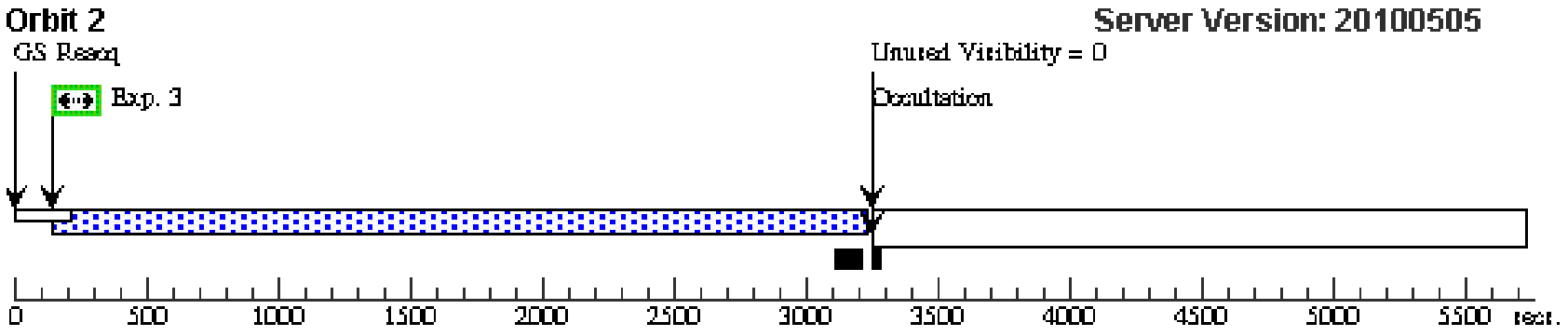
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(32)	SDSSJ133045.15+281321.4	RA: 13 30 45.1538 (202.6881408d) Dec: +28 13 21.50 (28.22264d) Equinox: J2000		V=17.8+/-0.1 FUVmag = 18.3, z = 0.417	Reference Frame: ICRS

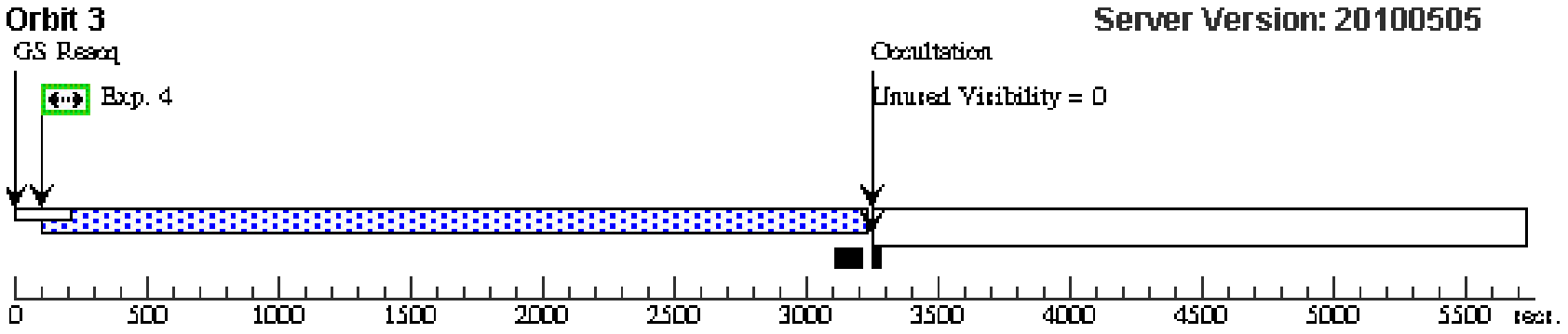
Exposures

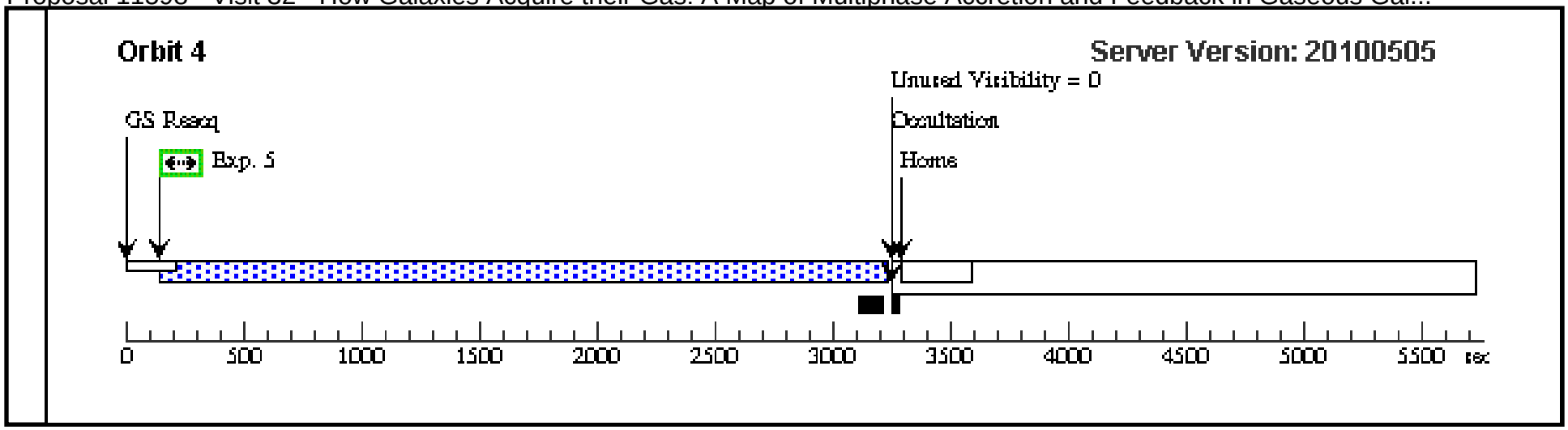
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	Target Acq	(32) SDSSJ133045.15+281321.4	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				100.0 Secs *[==>]*	*[1]*
2		(32) SDSSJ133045.15+281321.4	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=2366; FLASH=YES			2380.0 Secs *[==>]*	*[1]*
3		(32) SDSSJ133045.15+281321.4	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=2861; FLASH=YES			2971.0 Secs *[==>]*	*[2]*
4		(32) SDSSJ133045.15+281321.4	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=2861; FLASH=YES			2971.0 Secs *[==>]*	*[3]*
5		(32) SDSSJ133045.15+281321.4	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2861; FLASH=YES			2971 Secs *[==>]*	*[4]*

Orbit Structure








Orbit 4
Server Version: 20100505
Unused Visibility = 0
GS Reacq
Occultation
Exp. 5
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 11598, Visit 33, failed Wed Oct 20 01:05:31 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Diagnostics

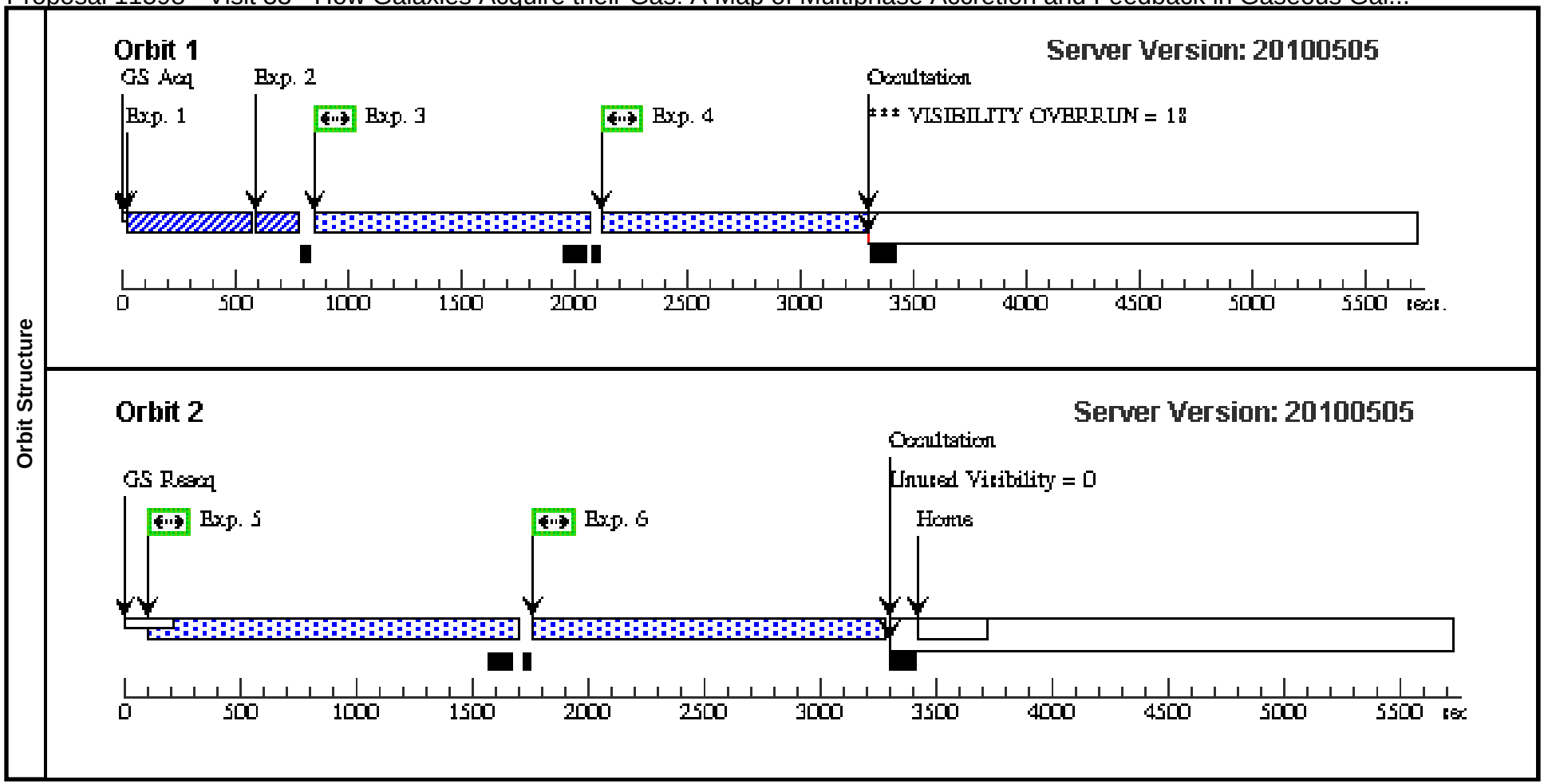
(Visit 33) Warning (Orbit Planner): VISIBILITY OVERRUN

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(33)	SDSSJ155304.92+354828.6	RA: 15 53 4.9262 (238.2705258d) Dec: +35 48 28.63 (35.80795d) Equinox: J2000		V=16.46+/-0.1	Reference Frame: ICRS

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	Target Acq	(33) SDSSJ155304.92+354828.6	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2; STEP-SIZE=1.767; CENTER=FLUX-WT			25.0 Secs *[==>]*	*[1]*
2	Target Acq	(33) SDSSJ155304.92+354828.6	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				25.0 Secs *[==>]*	*[1]*
3		(33) SDSSJ155304.92+354828.6	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=962; FLASH=YES			1062.0 Secs *[==>]*	*[1]*
4		(33) SDSSJ155304.92+354828.6	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=977; FLASH=YES			1052.0 Secs *[==>]*	*[1]*
5		(33) SDSSJ155304.92+354828.6	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=1324; FLASH=YES			1436.0 Secs *[==>]*	*[2]*
6		(33) SDSSJ155304.92+354828.6	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=1325; FLASH=YES			1401.0 Secs *[==>]*	*[2]*


Orbit Structure
Orbit 1
Server Version: 20100505
GS Acq
Exp. 1
Exp. 2
Exp. 3
Exp. 4
Occultation
*** VISIBILITY OVERRUN = 18
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec.
Orbit 2
Server Version: 20100505
GS Reacq
Exp. 5
Exp. 6
Occultation
Unused Visibility = 0
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 11598, Visit A3, completed Wed Oct 20 01:05:32 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Diagnostics

(Visit A3) Warning (Orbit Planner): VISIBILITY OVERRUN

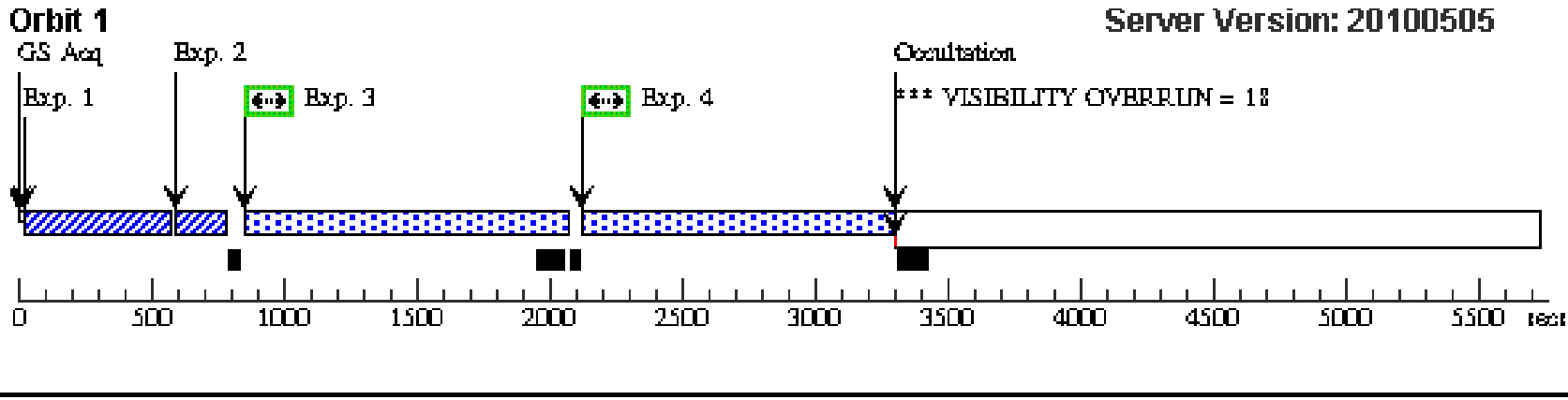
Fixed Targets

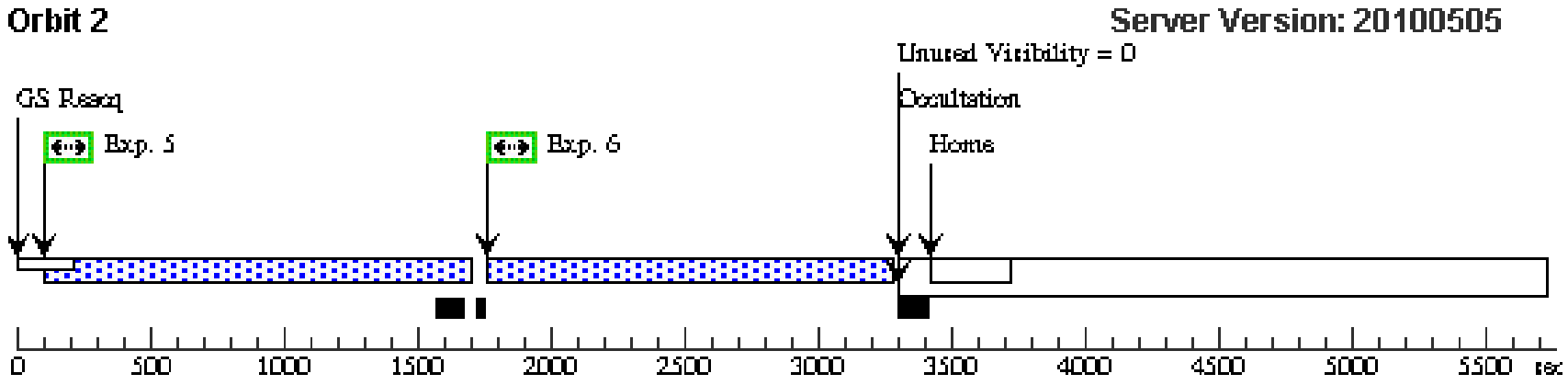
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(33)	SDSSJ155304.92+354828.6	RA: 15 53 4.9262 (238.2705258d) Dec: +35 48 28.63 (35.80795d) Equinox: J2000		V=16.46+/-0.1	Reference Frame: ICRS

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	Target Acq	(33) SDSSJ155304.92+354828.6	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2; STEP-SIZE=1.767; CENTER=FLUX-WT			25.0 Secs *[==>]*	***[1]***
2	Target Acq	(33) SDSSJ155304.92+354828.6	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				25.0 Secs *[==>]*	***[1]***
3		(33) SDSSJ155304.92+354828.6	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=962; FLASH=YES			1062.0 Secs *[==>]*	***[1]***
4		(33) SDSSJ155304.92+354828.6	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=977; FLASH=YES			1052.0 Secs *[==>]*	***[1]***
5		(33) SDSSJ155304.92+354828.6	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=1324; FLASH=YES			1436.0 Secs *[==>]*	***[2]***
6		(33) SDSSJ155304.92+354828.6	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=1325; FLASH=YES			1401.0 Secs *[==>]*	***[2]***

Orbit Structure





Visit

Proposal 11598, Visit 34, completed Wed Oct 20 01:05:32 GMT 2010

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: AFTER 30-NOV-2009:00:00:00

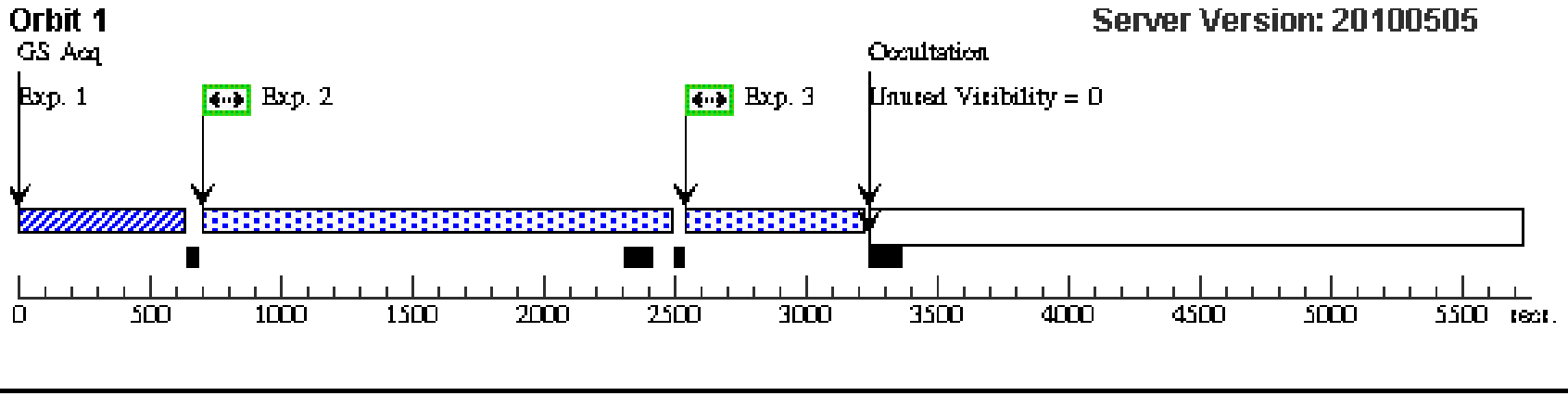
Fixed Targets

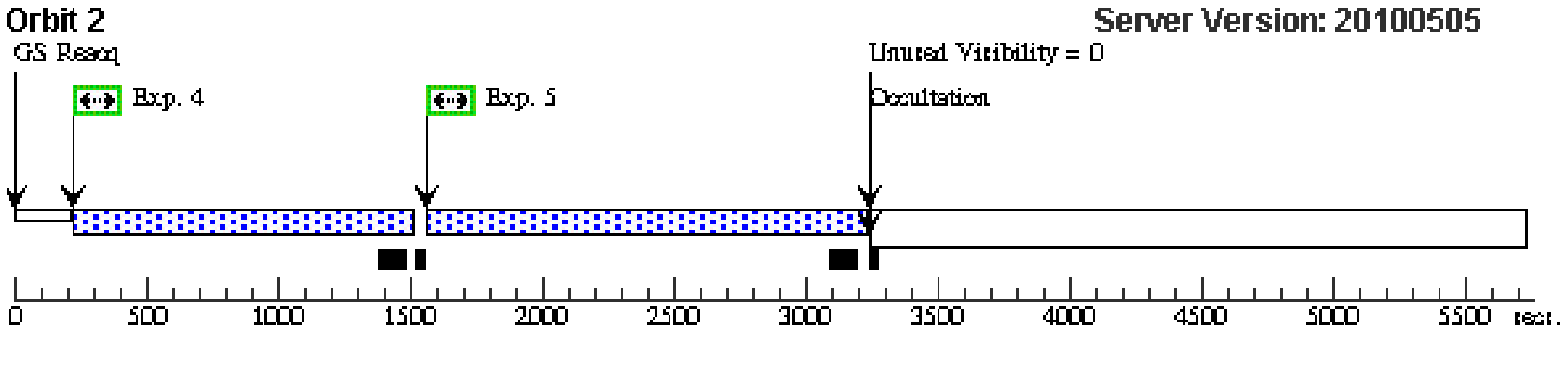
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(34)	SDSSJ225738.20+134045.4	RA: 22 57 38.2008 (344.4091700d) Dec: +13 40 45.48 (13.67930d) Equinox: J2000		V=17.02+/-0.1	Reference Frame: ICRS

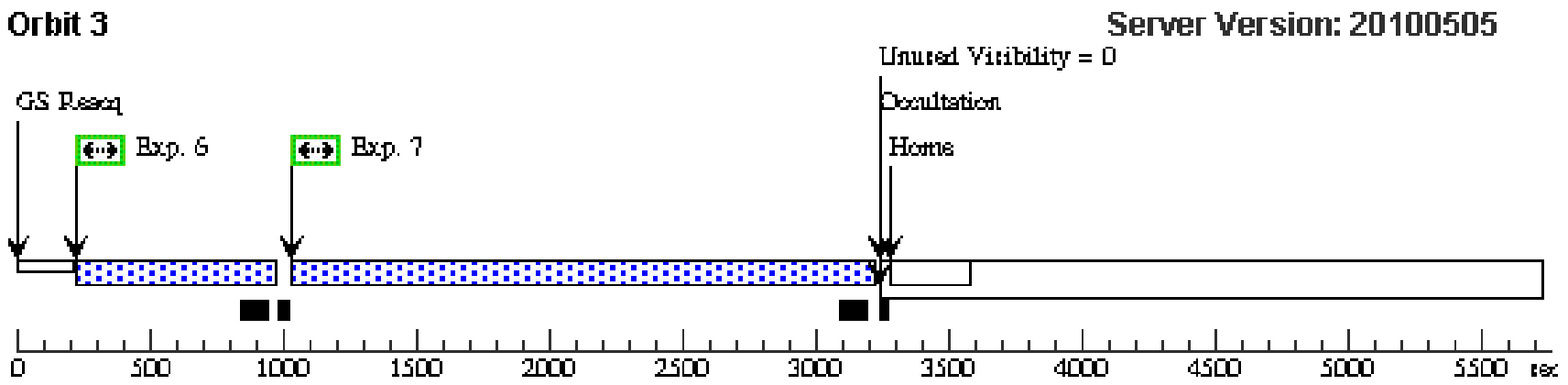
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	Target Acq	(34) SDSSJ225738.20+134045.4	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				100.0 Secs *[==>]*	 ***[1]***
2		(34) SDSSJ225738.20+134045.4	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=1470; FLASH=YES			1630.0 Secs *[==>]*	 ***[1]***
3		(34) SDSSJ225738.20+134045.4	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=500; FLASH=YES			560.0 Secs *[==>]*	 ***[1]***
4		(34) SDSSJ225738.20+134045.4	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=1128; FLASH=YES			1238 Secs *[==>]*	 ***[2]***
5		(34) SDSSJ225738.20+134045.4	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=1382; FLASH=YES			1503.0 Secs *[==>]*	 ***[2]***
6		(34) SDSSJ225738.20+134045.4	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=590; FLASH=YES			700.0 Secs *[==>]*	 ***[3]***
7		(34) SDSSJ225738.20+134045.4	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=1950; FLASH=YES			2071.0 Secs *[==>]*	 ***[3]***

Orbit Structure







Visit

Proposal 11598, Visit 35, completed Wed Oct 20 01:05:32 GMT 2010

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

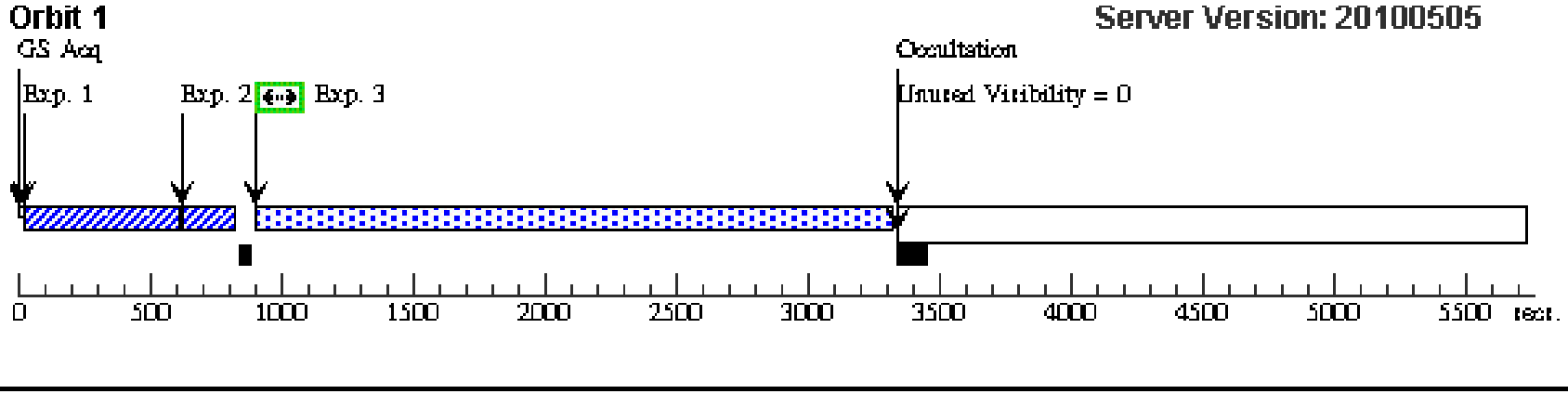
Fixed Targets

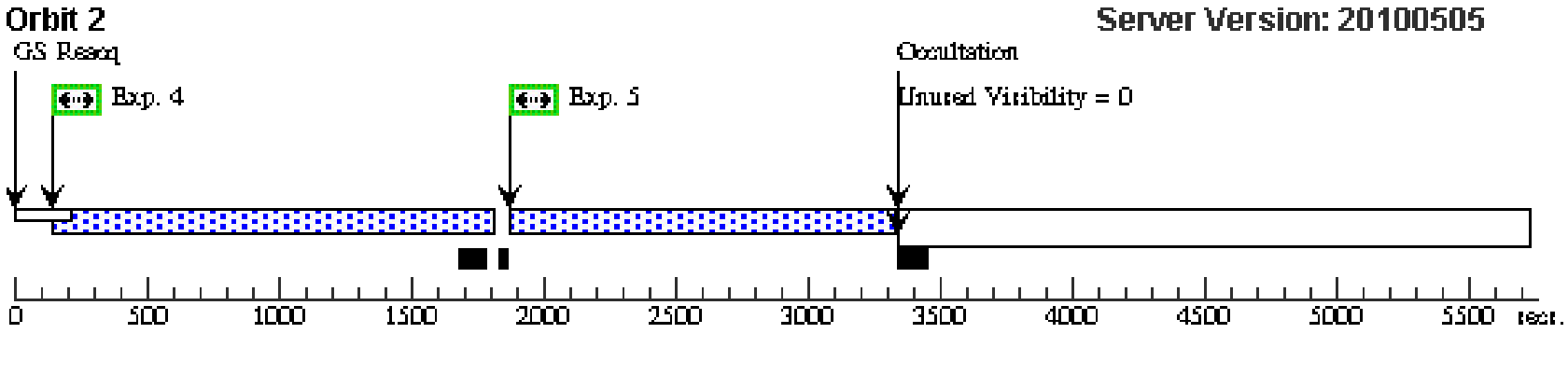
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(35)	SDSSJ155048.29+400144.9	RA: 15 50 48.2975 (237.7012396d) Dec: +40 01 44.92 (40.02914d) Equinox: J2000		V=16.99+/-0.1	Reference Frame: ICRS

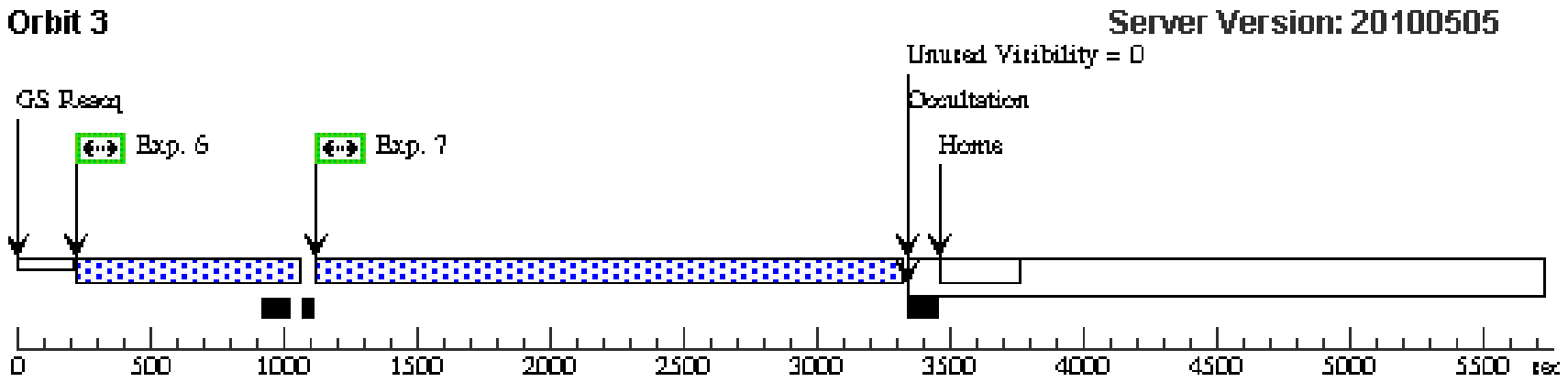
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	Target Acq	(35) SDSSJ155048.29+400144.9	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2; STEP-SIZE=1.767; CENTER=FLUX-WT			34.0 Secs *[==>]*	***[1]***
2	Target Acq	(35) SDSSJ155048.29+400144.9	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				34.0 Secs *[==>]*	***[1]***
3		(35) SDSSJ155048.29+400144.9	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=2201; FLASH=YES			2260.0 Secs *[==>]*	***[1]***
4		(35) SDSSJ155048.29+400144.9	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=1432; FLASH=YES			1544.0 Secs *[==>]*	***[2]***
5		(35) SDSSJ155048.29+400144.9	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=1208; FLASH=YES			1293.0 Secs *[==>]*	***[2]***
6		(35) SDSSJ155048.29+400144.9	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=674; FLASH=YES			788.0 Secs *[==>]*	***[3]***
7		(35) SDSSJ155048.29+400144.9	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2004; FLASH=YES			2079.0 Secs *[==>]*	***[3]***

Orbit Structure







Visit

Proposal 11598, Visit 36, completed Wed Oct 20 01:05:33 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Diagnostics

(Visit 36) Warning (Orbit Planner): VISIBILITY OVERRUN

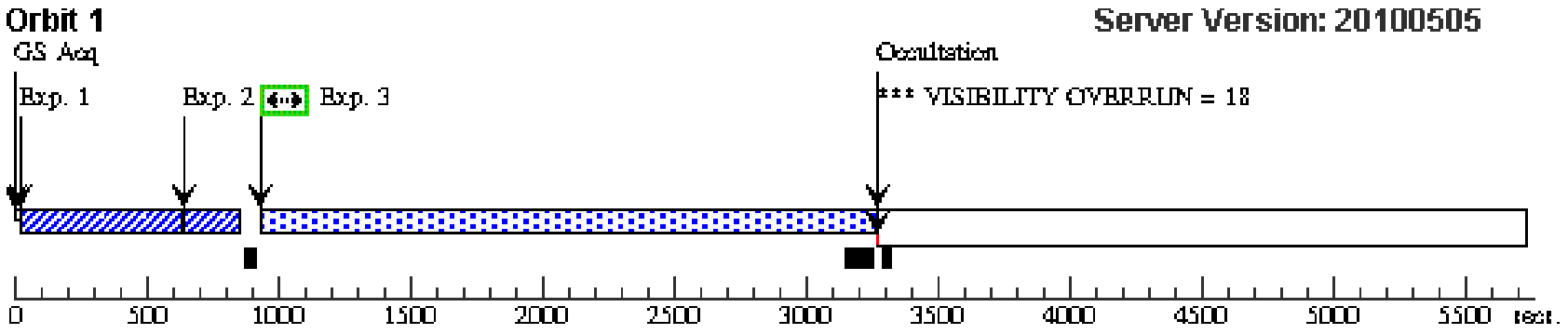
Fixed Targets

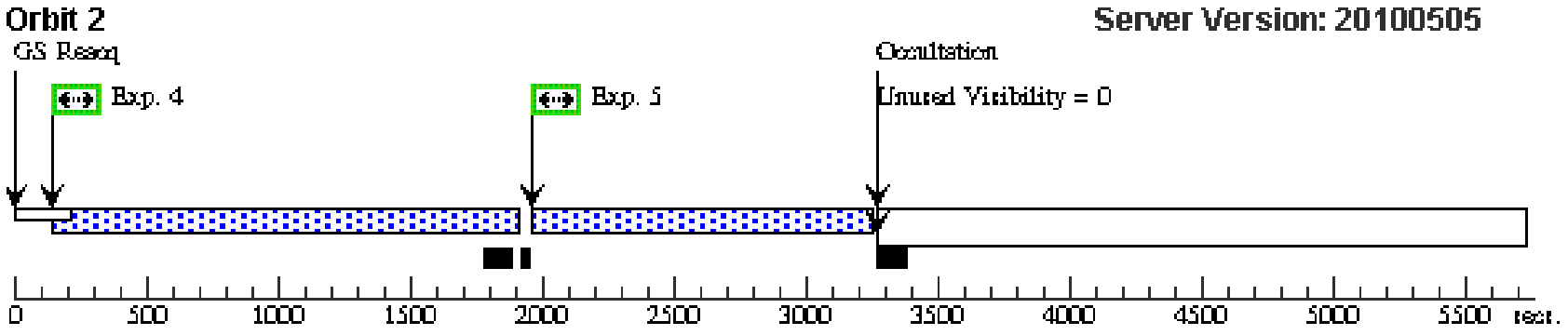
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(36)	SDSSJ124511.25+335610.1	RA: 12 45 11.2610 (191.2969208d) Dec: +33 56 10.12 (33.93614d) Equinox: J2000		V=16.86+/-0.1	Reference Frame: ICRS

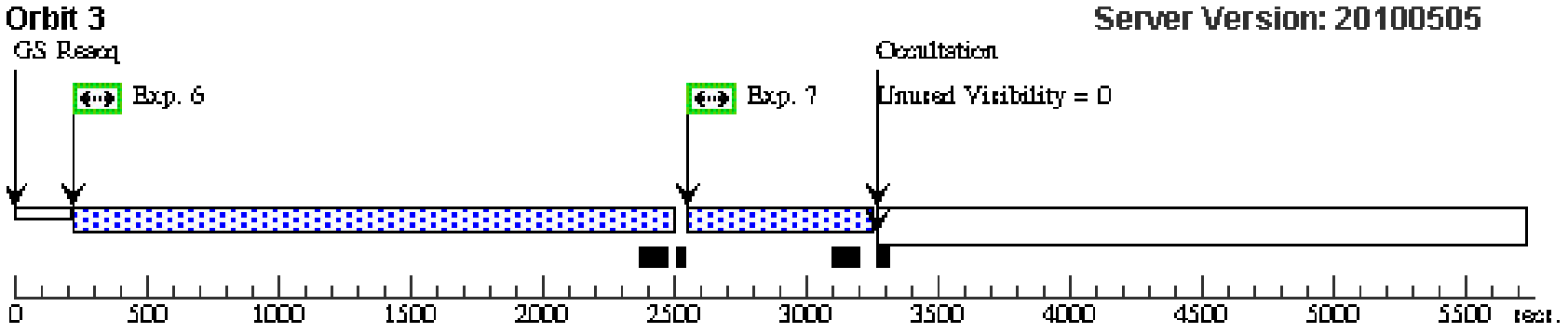
Exposures

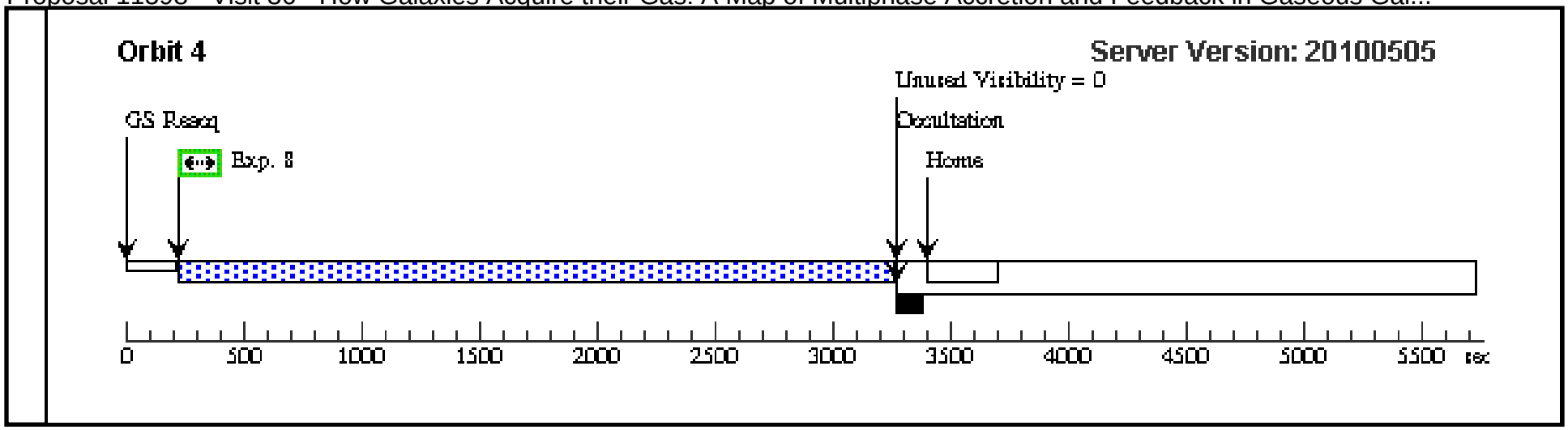
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	Target Acq	(36) SDSSJ124511.25+335610.1	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2; STEP-SIZE=1.767; CENTER=FLUX-WT			39.0 Secs *[==>]*	*[1]*
2	Target Acq	(36) SDSSJ124511.25+335610.1	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				39.0 Secs *[==>]*	*[1]*
3		(36) SDSSJ124511.25+335610.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=2080; FLASH=YES			2182.0 Secs *[==>]*	*[1]*
4		(36) SDSSJ124511.25+335610.1	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=1532; FLASH=YES			1642.0 Secs *[==>]*	*[2]*
5		(36) SDSSJ124511.25+335610.1	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=1050; FLASH=YES			1129.0 Secs *[==>]*	*[2]*
6		(36) SDSSJ124511.25+335610.1	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=2121; FLASH=YES			2231.0 Secs *[==>]*	*[3]*
7		(36) SDSSJ124511.25+335610.1	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=444; FLASH=YES			580.0 Secs *[==>]*	*[3]*
8		(36) SDSSJ124511.25+335610.1	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2912; FLASH=YES			2989.0 Secs *[==>]*	*[4]*

Orbit Structure








Orbit 4
Server Version: 20100505
Unused Visibility = 0
GS Reacq
Occultation
Exp. 8
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 11598, Visit 38, completed Wed Oct 20 01:05:33 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Diagnostics

(Visit 38) Warning (Orbit Planner): VISIBILITY OVERRUN

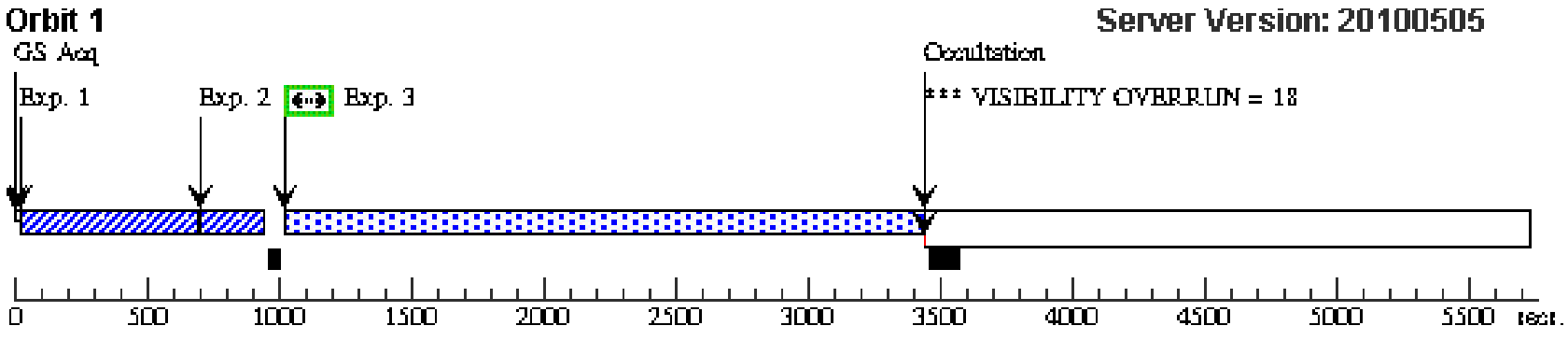
Fixed Targets

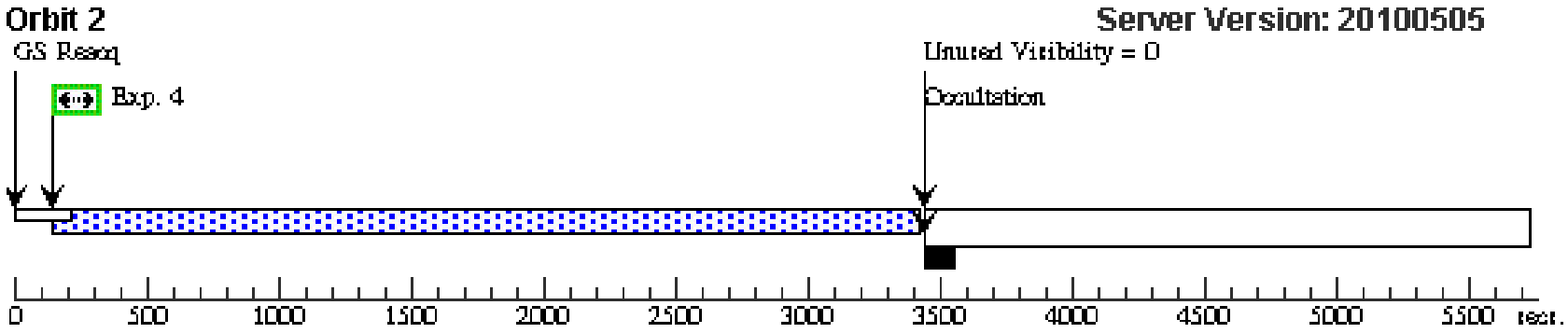
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(38)	SDSSJ143726.14+504555.8	RA: 14 37 26.1411 (219.3589212d) Dec: +50 45 55.85 (50.76551d) Equinox: J2000		V=17.57+/-0.1	Reference Frame: ICRS

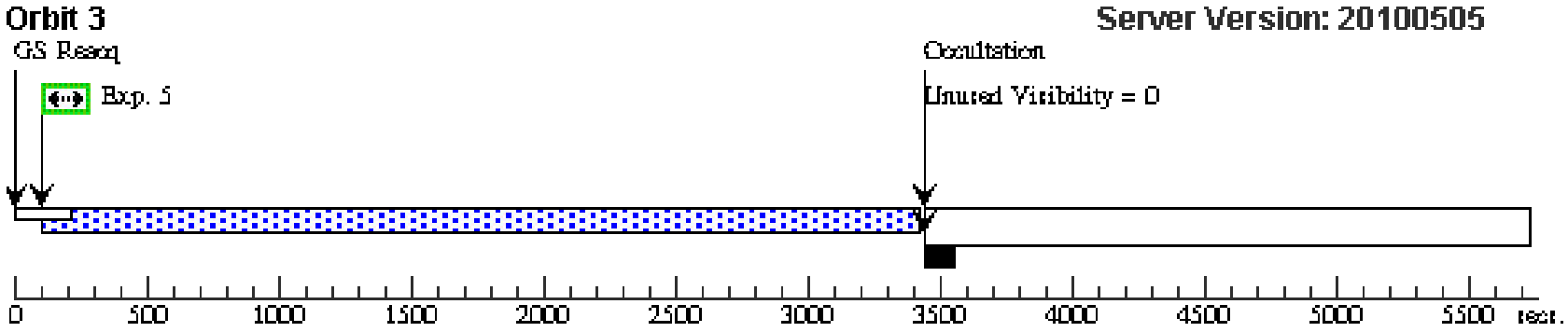
Exposures

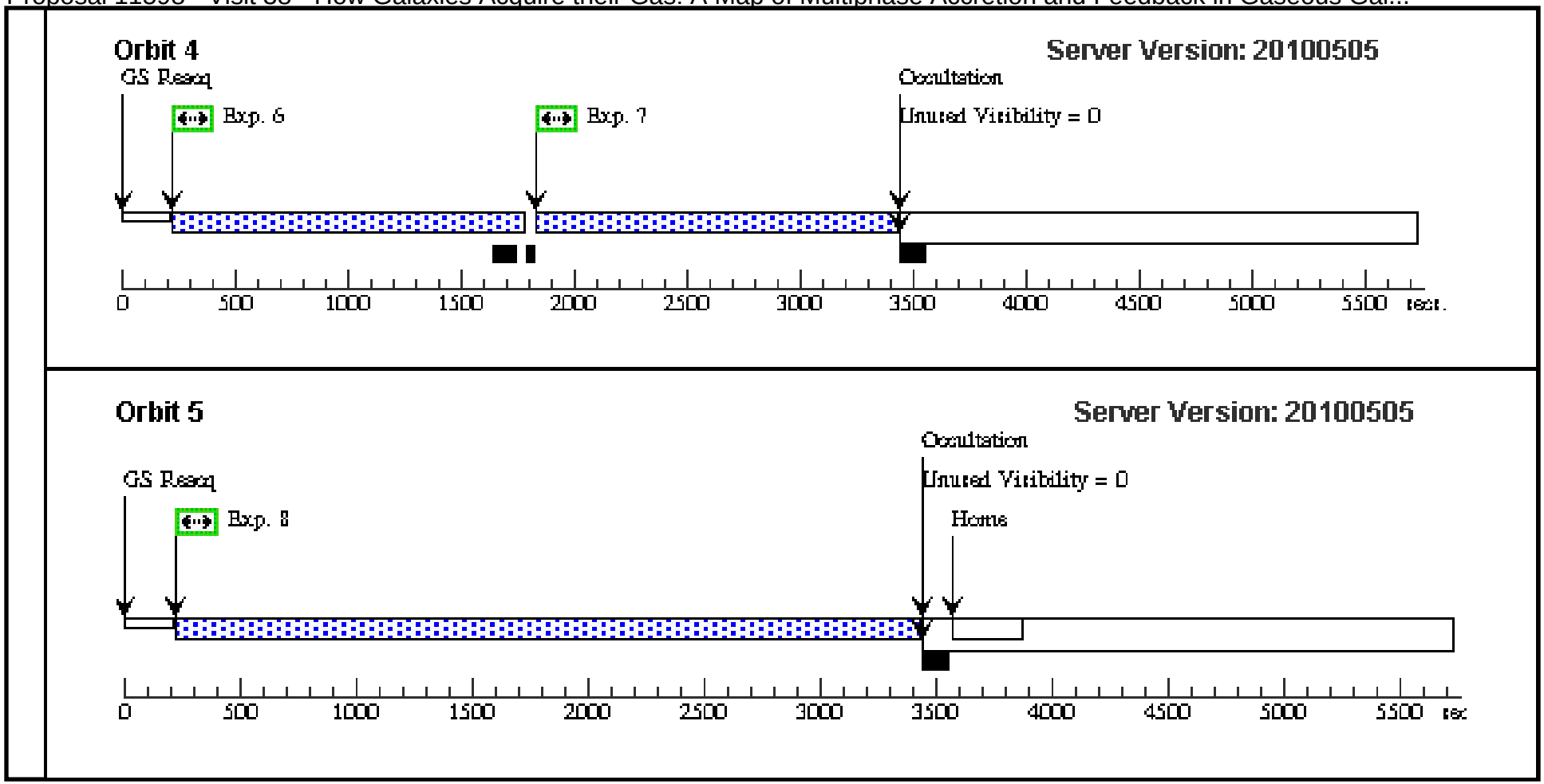
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	Target Acq	(38) SDSSJ143726.14+504555.8	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2; STEP-SIZE=1.767; CENTER=FLUX-WT			54.0 Secs *[==>]*	*[1]*
2	Target Acq	(38) SDSSJ143726.14+504555.8	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				54.0 Secs *[==>]*	*[1]*
3		(38) SDSSJ143726.14+504555.8	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=2219; FLASH=YES			2262.0 Secs *[==>]*	*[1]*
4		(38) SDSSJ143726.14+504555.8	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=3082; FLASH=YES			3159.0 Secs *[==>]*	*[2]*
5		(38) SDSSJ143726.14+504555.8	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=3082; FLASH=YES			3159.0 Secs *[==>]*	*[3]*
6		(38) SDSSJ143726.14+504555.8	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=1396; FLASH=YES			1508.0 Secs *[==>]*	*[4]*
7		(38) SDSSJ143726.14+504555.8	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=1396; FLASH=YES			1473.0 Secs *[==>]*	*[4]*
8		(38) SDSSJ143726.14+504555.8	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=3082; FLASH=YES			3159.0 Secs *[==>]*	*[5]*

Orbit Structure








Orbit 4
Server Version: 20100505
GS Reacq
Exp. 6
Exp. 7
Occultation
Unuted Vitibility = 0
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec.
Orbit 5
Server Version: 20100505
Occultation
GS Reacq
Unuted Vitibility = 0
Exp. 8
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 11598, Visit 39, completed Wed Oct 20 01:05:34 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: AFTER 30-NOV-2009:00:00:00

Diagnostics

(Visit 39) Warning (Orbit Planner): VISIBILITY OVERRUN

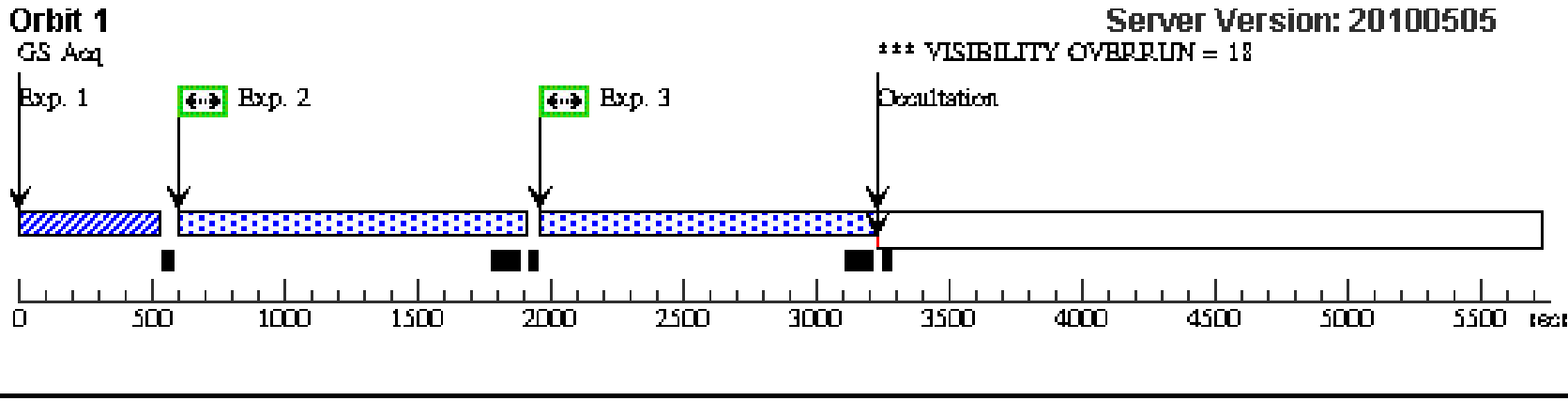
Fixed Targets

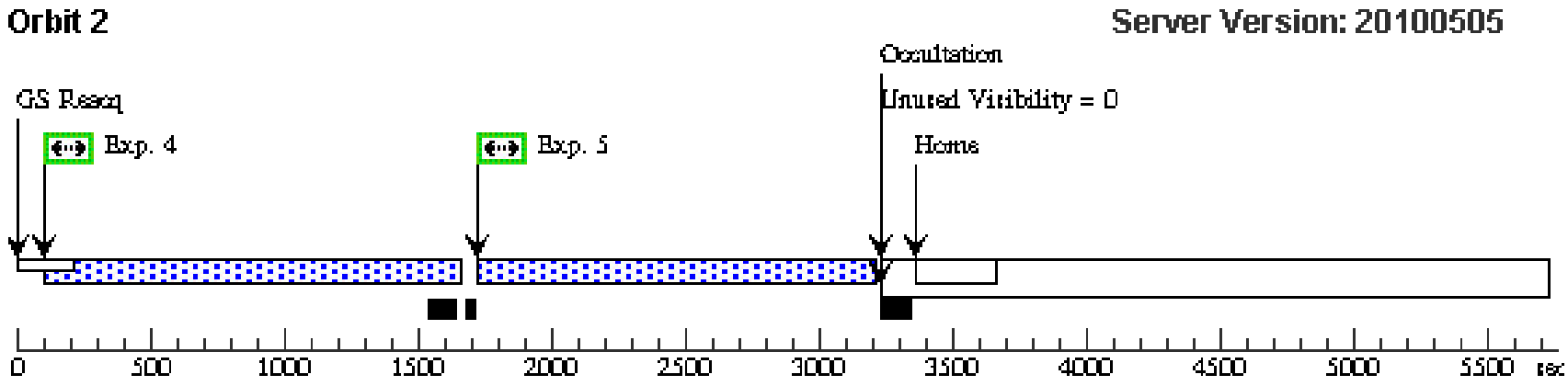
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(39)	SDSSJ134251.60-005345.3	RA: 13 42 51.6072 (205.7150300d) Dec: -00 53 45.31 (-.89592d) Equinox: J2000		V=16.92+/-0.1	Reference Frame: ICRS

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	Target Acq	(39) SDSSJ134251.60-005345.3	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				50.0 Secs *[==>]*	***[1]***
2		(39) SDSSJ134251.60-005345.3	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=1040; FLASH=YES			1150.0 Secs *[==>]*	***[1]***
3		(39) SDSSJ134251.60-005345.3	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=1039; FLASH=YES			1147.0 Secs *[==>]*	***[1]***
4		(39) SDSSJ134251.60-005345.3	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=1290; FLASH=YES			1400.0 Secs *[==>]*	***[2]***
5		(39) SDSSJ134251.60-005345.3	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=1289; FLASH=YES			1370.0 Secs *[==>]*	***[2]***

Orbit Structure





Visit

Proposal 11598, Visit 40, completed Wed Oct 20 01:05:34 GMT 2010

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

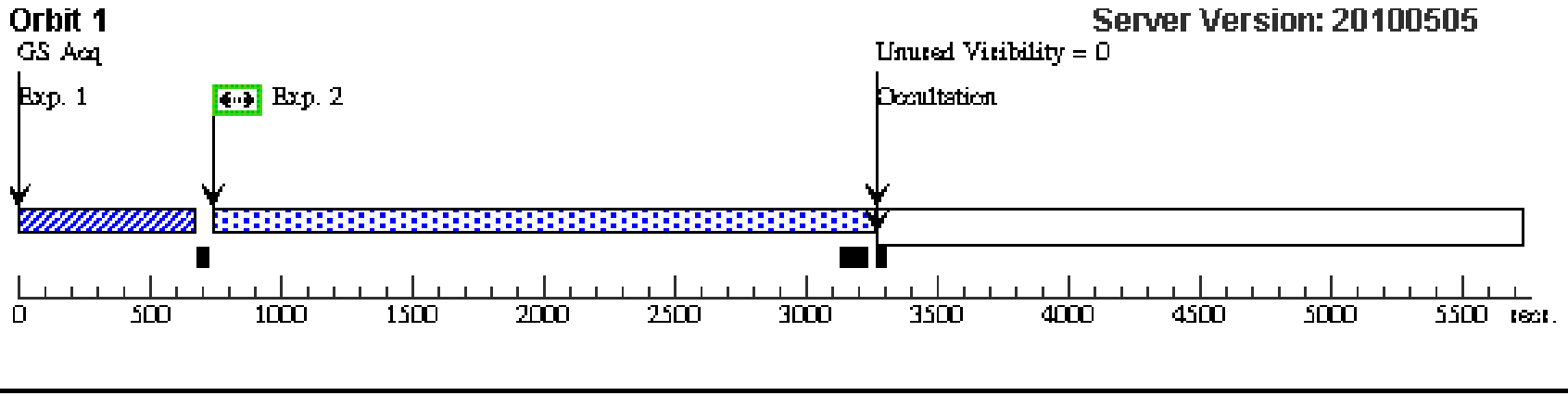
Fixed Targets

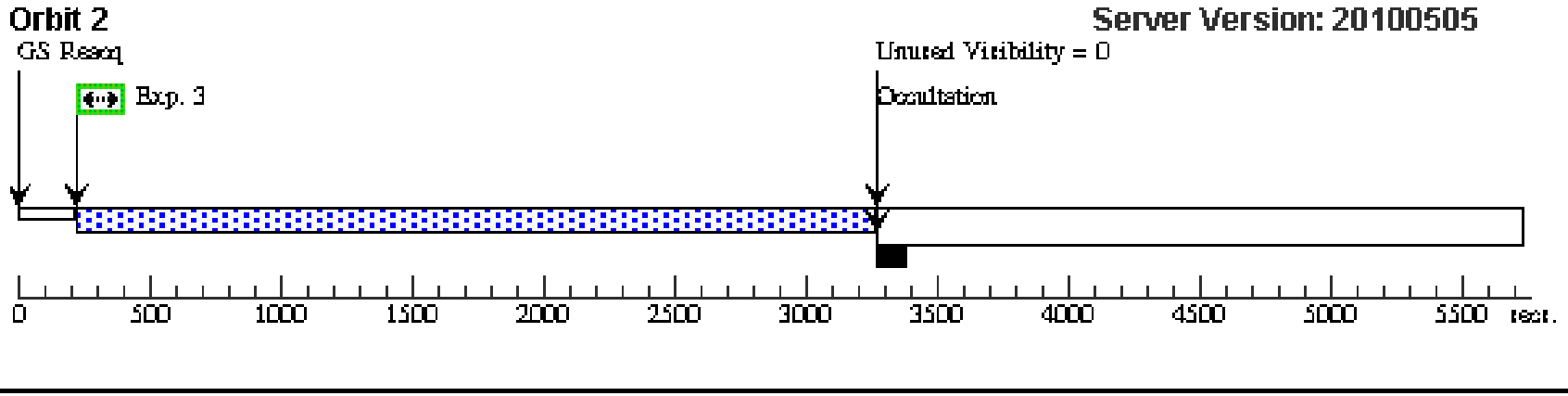
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(40)	SDSSJ144511.28+342825.4	RA: 14 45 11.2816 (221.2970067d) Dec: +34 28 25.45 (34.47374d) Equinox: J2000		V=17.36+/-0.1	Reference Frame: ICRS

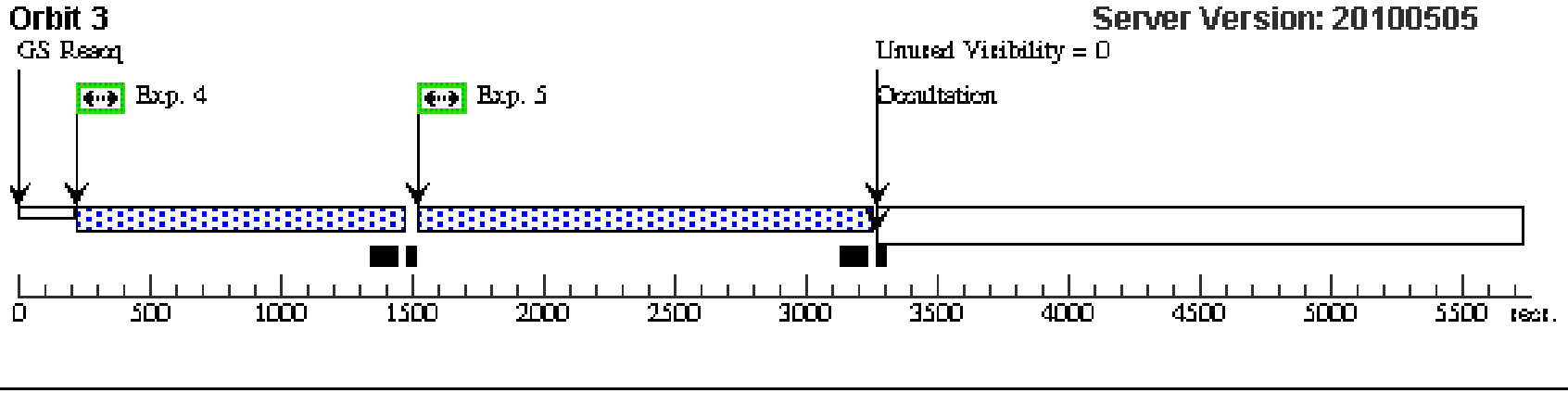
Exposures

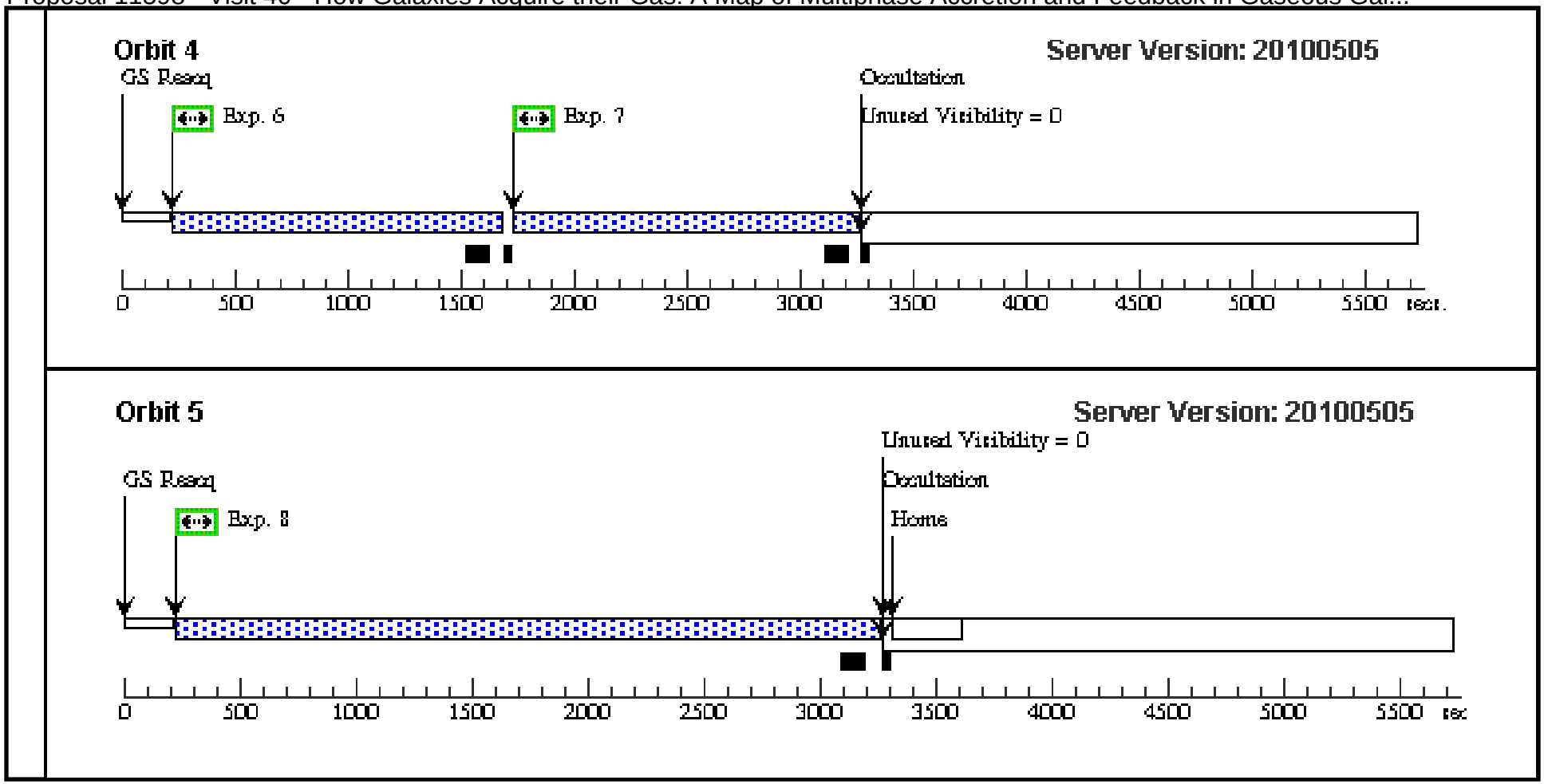
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	Target Acq	(40) SDSSJ144511.28+342825.4	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				120.0 Secs *[==>]*	***[1]***
2		(40) SDSSJ144511.28+342825.4	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=2248; FLASH=YES			2358.0 Secs *[==>]*	***[1]***
3		(40) SDSSJ144511.28+342825.4	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=2912; FLASH=YES			2989.0 Secs *[==>]*	***[2]***
4		(40) SDSSJ144511.28+342825.4	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=1090; FLASH=YES			1200.0 Secs *[==>]*	***[3]***
5		(40) SDSSJ144511.28+342825.4	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=1461; FLASH=YES			1571.0 Secs *[==>]*	***[3]***
6		(40) SDSSJ144511.28+342825.4	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=1277; FLASH=YES			1406.0 Secs *[==>]*	***[4]***
7		(40) SDSSJ144511.28+342825.4	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=1276; FLASH=YES			1405 Secs *[==>]*	***[4]***
8		(40) SDSSJ144511.28+342825.4	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=2840; FLASH=YES			2989 Secs *[==>]*	***[5]***

Orbit Structure








Orbit 4
Server Version: 20100505
GS Reacq
Exp. 6
Exp. 7
Occultation
Unused Visibility = 0
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec.
Orbit 5
Server Version: 20100505
Unused Visibility = 0
GS Reacq
Exp. 8
Occultation
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 11598, Visit 41, completed Wed Oct 20 01:05:35 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: AFTER 30-NOV-2009:00:00:00

Diagnostics

(Visit 41) Warning (Orbit Planner): VISIBILITY OVERRUN

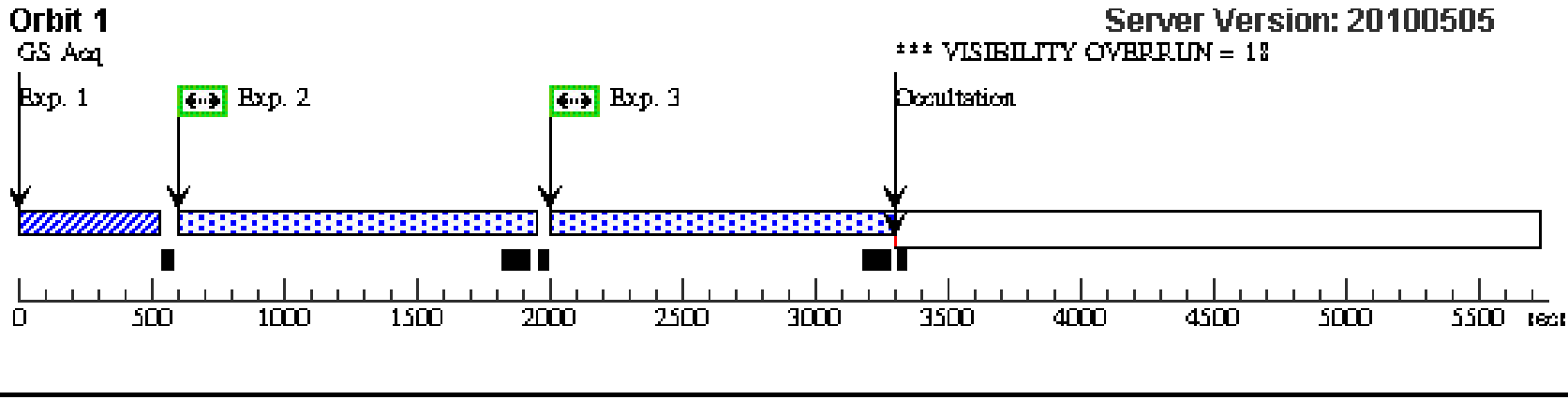
Fixed Targets

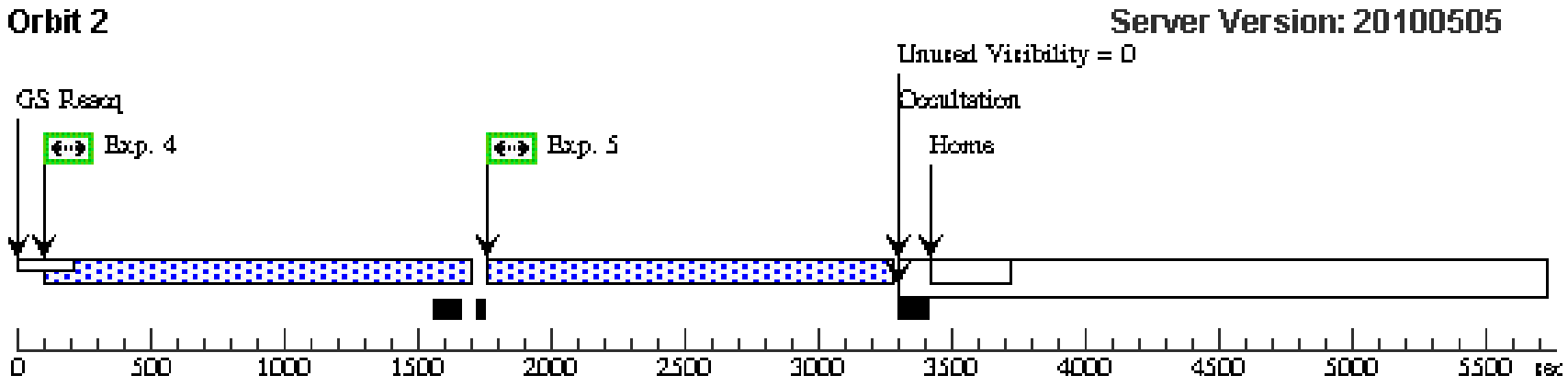
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(41)	SDSSJ122035.10+385316.4	RA: 12 20 35.1036 (185.1462650d) Dec: +38 53 16.44 (38.88790d) Equinox: J2000		V=16.93+/-0.1	Reference Frame: ICRS

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	Target Acq	(41) SDSSJ122035.10+385316.4	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				50.0 Secs *[==>]*	 ***[1]***
2		(41) SDSSJ122035.10+385316.4	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=1079; FLASH=YES			1186.0 Secs *[==>]*	 ***[1]***
3		(41) SDSSJ122035.10+385316.4	COS/FUV, TIME-TAG, PSA	G130M 1300 A	BUFFER-TIME=1079; FLASH=YES			1178.0 Secs *[==>]*	 ***[1]***
4		(41) SDSSJ122035.10+385316.4	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=1314; FLASH=YES			1436.0 Secs *[==>]*	 ***[2]***
5		(41) SDSSJ122035.10+385316.4	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=1316; FLASH=YES			1401.0 Secs *[==>]*	 ***[2]***

Orbit Structure





Visit

Proposal 11598, Visit 42, completed Wed Oct 20 01:05:35 GMT 2010

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Diagnostics

(Visit 42) Warning (Orbit Planner): VISIBILITY OVERRUN

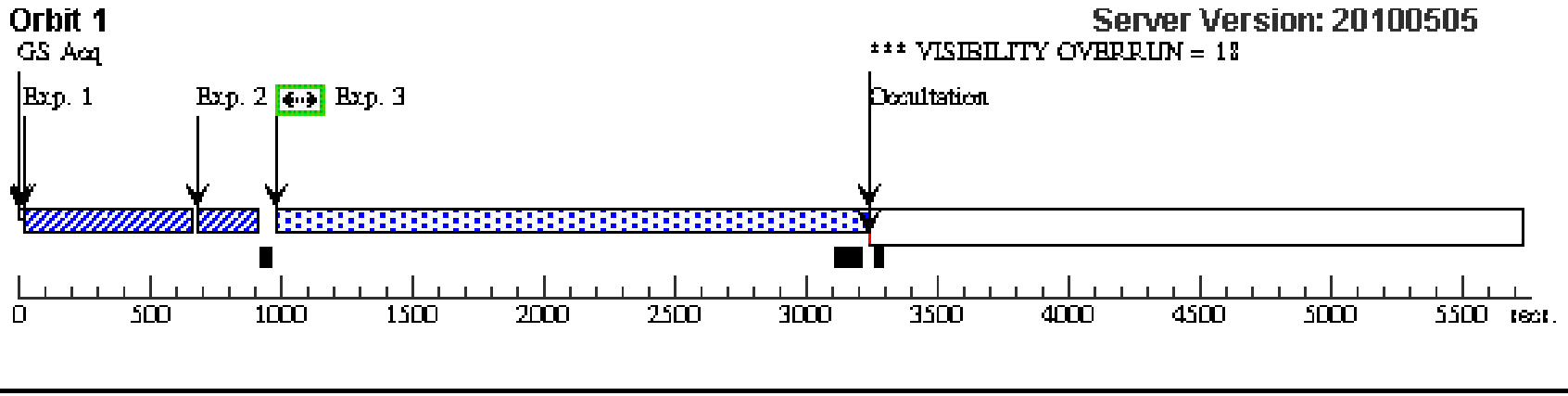
Fixed Targets

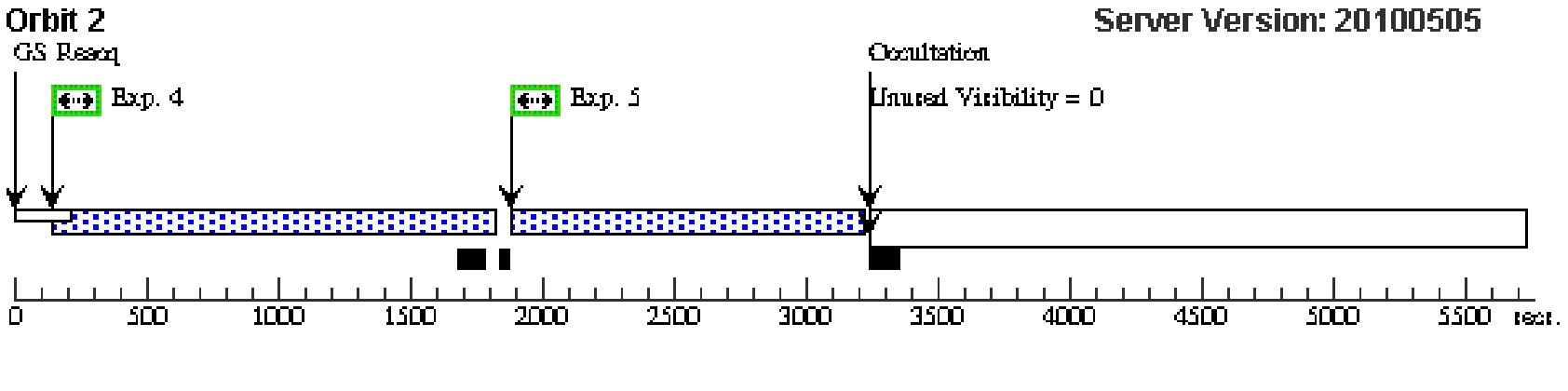
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(42)	SDSSJ094331.61+053131.4	RA: 09 43 31.6150 (145.8817292d) Dec: +05 31 31.49 (5.52541d) Equinox: J2000		V=17.16+/-0.1	Reference Frame: ICRS

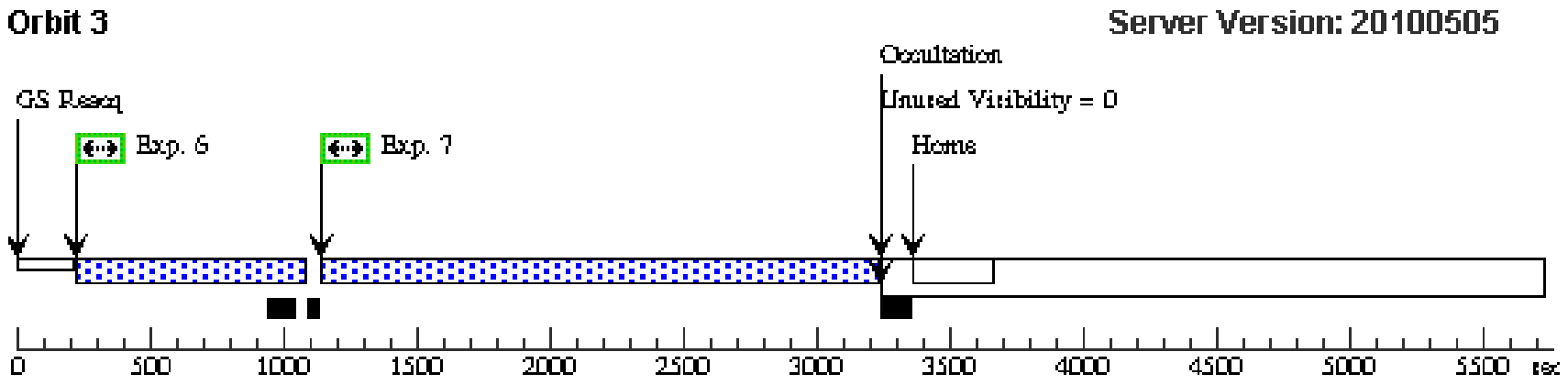
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	Target Acq	(42) SDSSJ094331.61+053131.4	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2; STEP-SIZE=1.767; CENTER=FLUX-WT			47.0 Secs *[==>]*	***[1]***
2	Target Acq	(42) SDSSJ094331.61+053131.4	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				47.0 Secs *[==>]*	***[1]***
3		(42) SDSSJ094331.61+053131.4	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=1990; FLASH=YES			2101.0 Secs *[==>]*	***[1]***
4		(42) SDSSJ094331.61+053131.4	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=1430; FLASH=YES			1561.0 Secs *[==>]*	***[2]***
5		(42) SDSSJ094331.61+053131.4	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=1100; FLASH=YES			1177.0 Secs *[==>]*	***[2]***
6		(42) SDSSJ094331.61+053131.4	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=690; FLASH=YES			804.0 Secs *[==>]*	***[3]***
7		(42) SDSSJ094331.61+053131.4	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=1881; FLASH=YES			1964.0 Secs *[==>]*	***[3]***

Orbit Structure







Visit

Proposal 11598, Visit 43, completed Wed Oct 20 01:05:35 GMT 2010

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

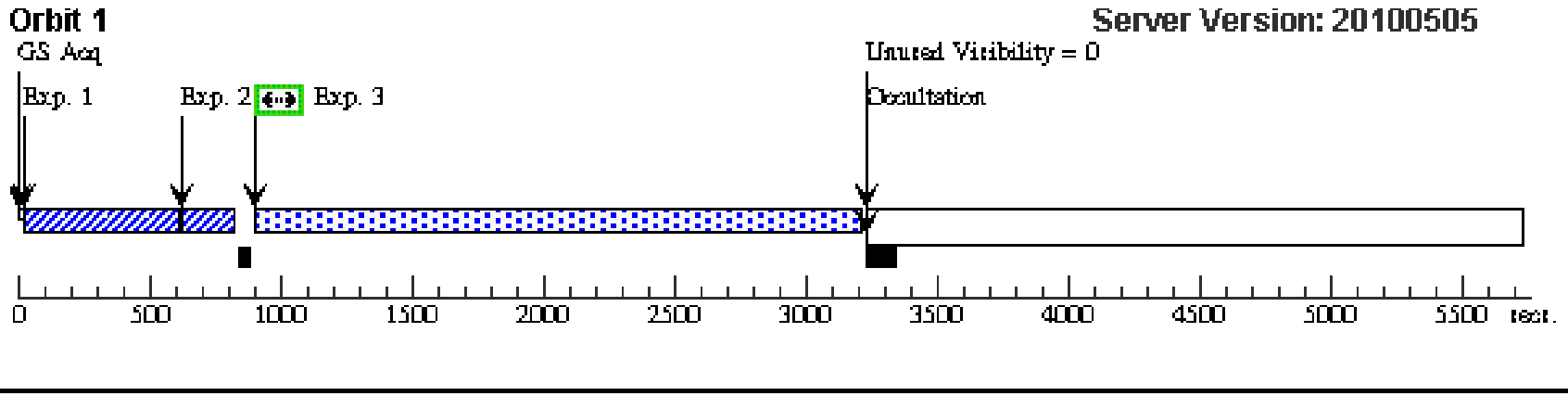
Fixed Targets

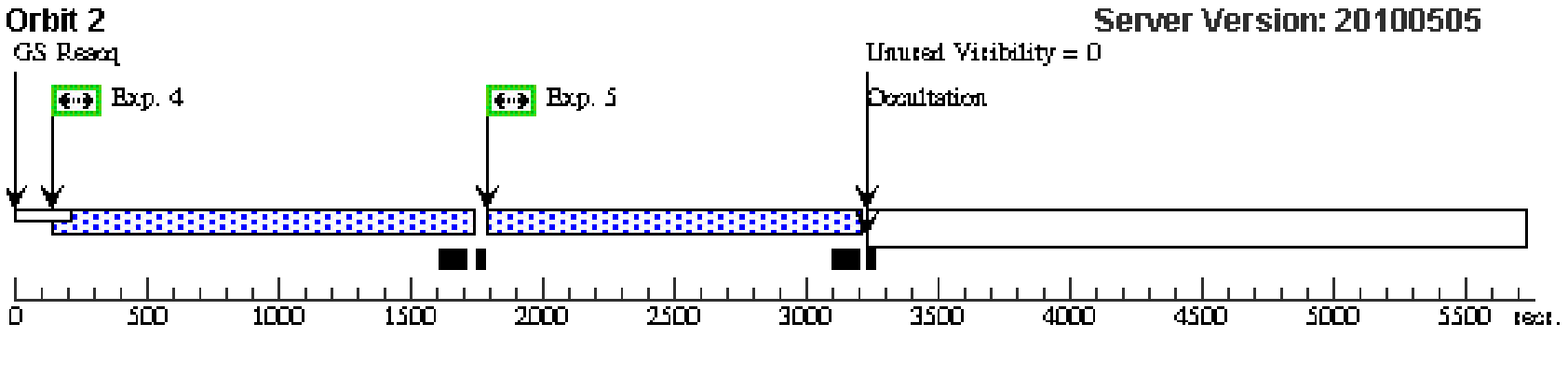
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(43)	SDSSJ093518.19+020415.5	RA: 09 35 18.1950 (143.8258125d) Dec: +02 04 15.52 (2.07098d) Equinox: J2000		V=16.99+/-0.1	Reference Frame: ICRS

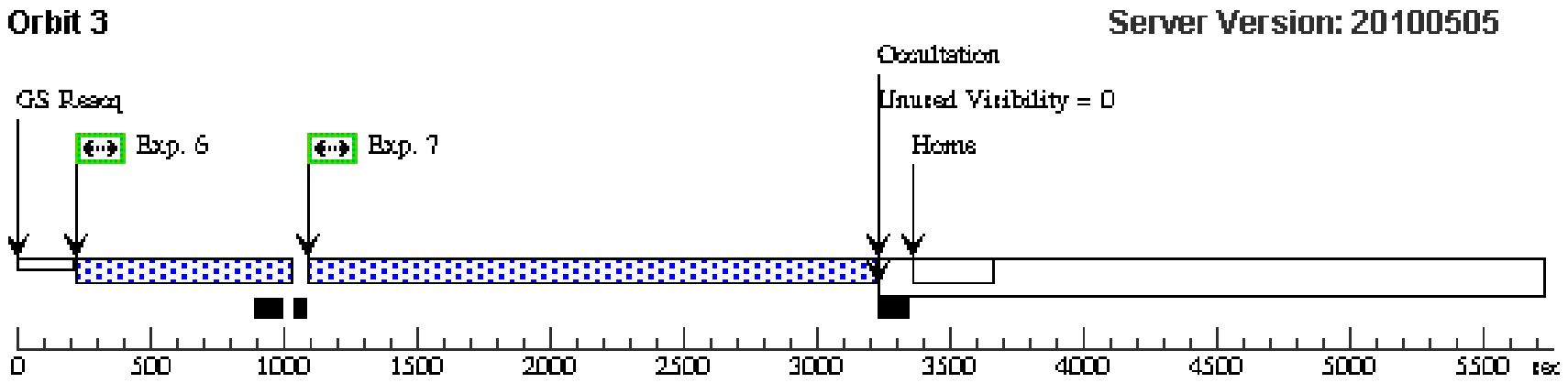
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	Target Acq	(43) SDSSJ093518.19+020415.5	COS/NUV, ACQ/SEARCH, PSA	MIRRORB	SCAN-SIZE=2; STEP-SIZE=1.767; CENTER=FLUX-WT			34.0 Secs *[==>]*	***[1]***
2	Target Acq	(43) SDSSJ093518.19+020415.5	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				34.0 Secs *[==>]*	***[1]***
3		(43) SDSSJ093518.19+020415.5	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=2140; FLASH=YES			2153.0 Secs *[==>]*	***[1]***
4		(43) SDSSJ093518.19+020415.5	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=1360; FLASH=YES			1472.0 Secs *[==>]*	***[2]***
5		(43) SDSSJ093518.19+020415.5	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=1165; FLASH=YES			1258 Secs *[==>]*	***[2]***
6		(43) SDSSJ093518.19+020415.5	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=640; FLASH=YES			754.0 Secs *[==>]*	***[3]***
7		(43) SDSSJ093518.19+020415.5	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=1925; FLASH=YES			2006.0 Secs *[==>]*	***[3]***

Orbit Structure







Visit

Proposal 11598, Visit 44, completed Wed Oct 20 01:05:36 GMT 2010

Diagnostic Status: No Diagnostics

Scientific Instruments: WFC3/UVIS

Special Requirements: (none)

Patterns

#	Primary Pattern		Secondary Pattern		Exposures
(1)	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=MOSAIC Number Of Points=3 Point Spacing=2.4 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.754 Angle Between Sides= Center Pattern=true	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.119 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=33.606 Angle Between Sides= Center Pattern=false	(1), (2)

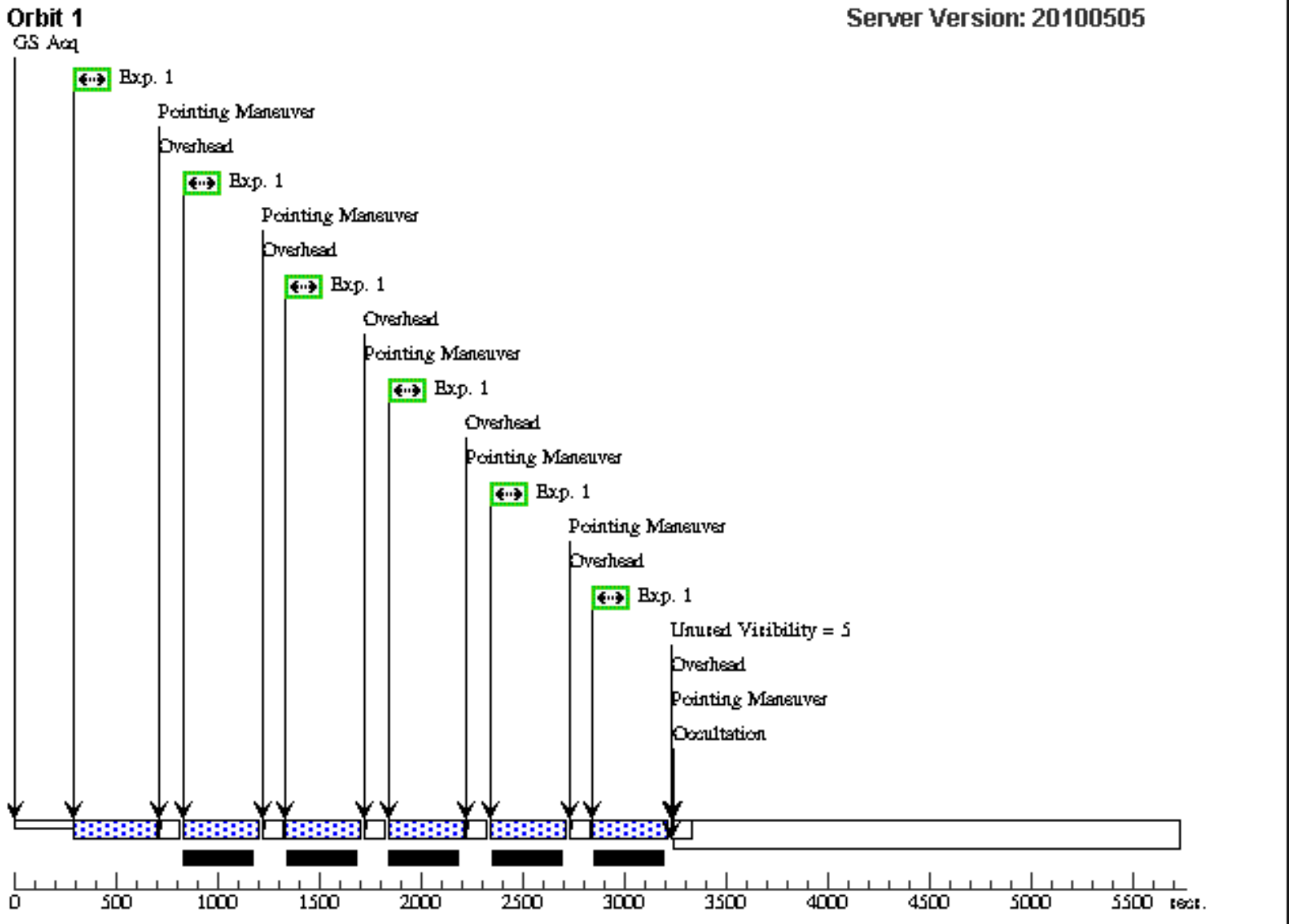
Fixed Targets

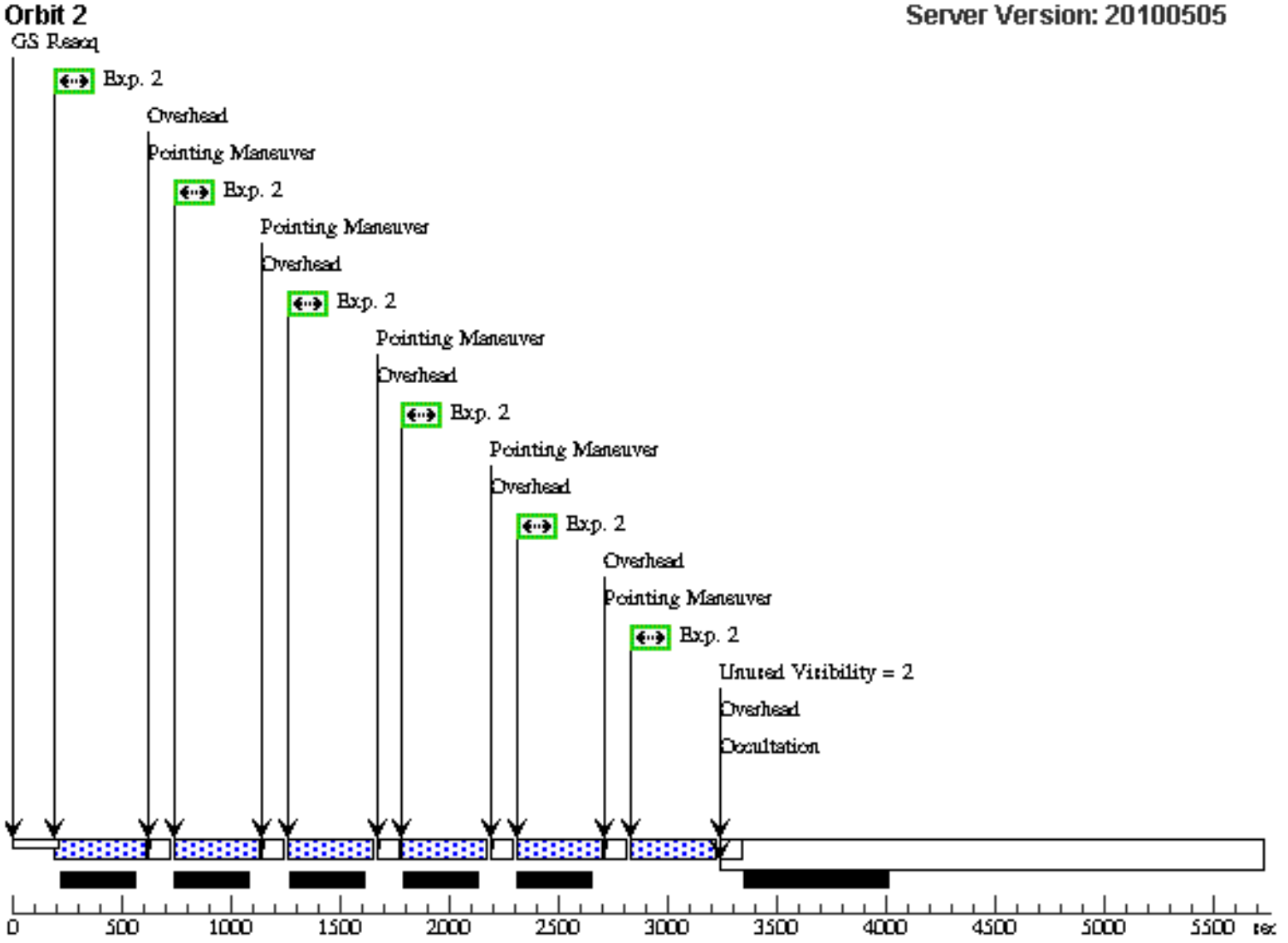
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(13)	SDSSJ100902.06+071343.8	RA: 10 09 2.0689 (152.2586204d) Dec: +07 13 43.87 (7.22885d) Equinox: J2000		V=17.14+/-0.1	Reference Frame: ICRS

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1		(13) SDSSJ100902.06+071343.8	WFC3/UVIS, ACCUM, UVIS1	F625W	CR-SPLIT=NO		Pattern 1, Exps 1-1 (1)	376 Secs	
								[==>(Pattern 1,1)] *[==>(Pattern 1,2)]* *[==>(Pattern 2,1)]* *[==>(Pattern 2,2)]* *[==>(Pattern 3,1)]* *[==>(Pattern 3,2)]*	***[1]***
2		(13) SDSSJ100902.06+071343.8	WFC3/UVIS, ACCUM, UVIS1	F390W	CR-SPLIT=NO		Pattern 1, Exps 2-2 (1)	395 Secs	
								[==>(Pattern 1,1)] *[==>(Pattern 1,2)]* *[==>(Pattern 2,1)]* *[==>(Pattern 2,2)]* *[==>(Pattern 3,1)]* *[==>(Pattern 3,2)]*	***[2]***

Orbit Structure




Orbit 2
Server Version: 20100505
GS Reacq
Exp. 2
Overhead
Pointing Maneuver
Exp. 2
Pointing Maneuver
Overhead
Exp. 2
Pointing Maneuver
Overhead
Exp. 2
Pointing Maneuver
Overhead
Exp. 2
Overhead
Pointing Maneuver
Exp. 2
Unused Visibility = 2
Overhead
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 11598, Visit A5

Wed Oct 20 01:05:36 GMT 2010

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: (none)

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(26)	SDSSJ022614.46+001529.7	RA: 02 26 14.4661 (36.5602754d) Dec: +00 15 29.76 (.25827d) Equinox: J2000		V=17.15+/-0.1 FUVmag = 17.57	Reference Frame: ICRS

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1		(26) SDSSJ022614.46+001529.7	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				50 Secs	
								[==>]	***[1]***
2		(26) SDSSJ022614.46+001529.7	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=2347			2457 Secs	
								[==>]	***[1]***

Orbit Structure