



12278 - Advanced Spectral Library Project: Cool Stars

Cycle: 18, Proposal Category: GO

(Large Program)

(Availability Mode: SUPPORTED)

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VISITS

Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
11	(1) HD61421	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	4	19-Aug-2011 21:14:05.0	yes
12	(1) HD61421	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	4	19-Aug-2011 21:14:19.0	yes
13	(1) HD61421	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	4	19-Aug-2011 21:14:30.0	yes
14	(1) HD61421	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	4	19-Aug-2011 21:14:40.0	yes
15	(1) HD61421	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	3	19-Aug-2011 21:14:50.0	yes
16	(1) HD61421	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	3	19-Aug-2011 21:14:58.0	yes
17	(1) HD61421	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	3	19-Aug-2011 21:15:09.0	yes
21	(2) HD432	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	4	19-Aug-2011 21:15:23.0	yes
22	(2) HD432	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	4	19-Aug-2011 21:15:37.0	yes

Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
23	(2) HD432	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	4	19-Aug-2011 21:15:52.0	yes
31	(3) HD164058	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	4	19-Aug-2011 21:16:03.0	yes
32	(3) HD164058	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	4	19-Aug-2011 21:16:13.0	yes
33	(3) HD164058	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	4	19-Aug-2011 21:16:22.0	yes
34	(3) HD164058	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	4	19-Aug-2011 21:16:33.0	yes
35	(3) HD164058	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	4	19-Aug-2011 21:16:42.0	yes
36	(3) HD164058	STIS/CCD STIS/FUV-MAMA	2	19-Aug-2011 21:16:48.0	yes
41	(4) HD62509	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	4	19-Aug-2011 21:16:57.0	yes
42	(4) HD62509	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	4	19-Aug-2011 21:17:06.0	yes
43	(4) HD62509	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	4	19-Aug-2011 21:17:15.0	yes

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46	(4) HD62509	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	4	19-Aug-2011 21:17:41.0	yes
51	(5) HD209750	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	4	19-Aug-2011 21:17:51.0	yes
52	(5) HD209750	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	4	19-Aug-2011 21:18:00.0	yes
53	(5) HD209750	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	4	19-Aug-2011 21:18:09.0	yes
54	(5) HD209750	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	4	19-Aug-2011 21:18:19.0	yes
55	(5) HD209750	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	3	19-Aug-2011 21:18:27.0	yes
61	(6) HD159181	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	4	19-Aug-2011 21:18:35.0	yes

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62	(6) HD159181	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	4	19-Aug-2011 21:18:45.0	yes
63	(6) HD159181	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	4	19-Aug-2011 21:18:54.0	yes
64	(6) HD159181	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	4	19-Aug-2011 21:19:03.0	yes
65	(6) HD159181	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	3	19-Aug-2011 21:19:12.0	yes
71	(7) HD39801	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	4	19-Aug-2011 21:19:20.0	yes
72	(7) HD39801	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	4	19-Aug-2011 21:19:30.0	yes
73	(7) HD39801	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	4	19-Aug-2011 21:19:39.0	yes
74	(7) HD39801	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	4	19-Aug-2011 21:19:48.0	yes
75	(7) HD39801	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	3	19-Aug-2011 21:19:58.0	yes

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
76	(7) HD39801	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	4	19-Aug-2011 21:20:10.0	yes
81	(8) HD108903	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	4	19-Aug-2011 21:20:19.0	yes
82	(8) HD108903	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	4	19-Aug-2011 21:20:30.0	yes
83	(8) HD108903	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	4	19-Aug-2011 21:20:39.0	yes
84	(8) HD108903	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	4	19-Aug-2011 21:20:49.0	yes
85	(8) HD108903	STIS/CCD STIS/FUV-MAMA STIS/NUV-MAMA	3	19-Aug-2011 21:20:57.0	yes

162 Total Orbits Used

ABSTRACT

Stars are the luminous backbone of the Universe, and without them, it would be a dull and dreary place indeed: no light, no heavy elements, no planets, no life. It also is safe to say that stellar spectroscopy is a cornerstone of astrophysics, providing much of what we know concerning temperatures and masses of stars, their compositions, planets, and the dynamics and evolution of the galaxies they inhabit. The proper interpretation of stellar spectra thus is fundamental to modern astronomy. This is especially true for the satellite ultraviolet, owing to the rich collection of atomic and ionic transitions found there. Unfortunately, the existing archive of Space Telescope Imaging Spectrograph rarely achieves the high S/N of the best ground-based spectra, and relatively few objects have the full wavelength coverage for which the powerful, highly multiplexed, second generation Hubble instrument was designed. With UVES at ESO and ESPaDOnS at CFHT, for example, astronomers routinely are obtaining broad-coverage optical spectra with S/N > 100 and resolving power of 100,000 to fuel ground-breaking analyses. Our objective is to collect comparable

STIS UV echelle spectra for a diverse sample of representative stars, to build an Advanced Spectral Library; a foundation for astrophysical exploration: stellar, interstellar, and beyond. Our first effort involves cool stars, whose main contribution to the UV is through magnetic activity, an enigmatic phenomenon subject to close scrutiny on the Sun, and of undeniable importance to a broad range of cosmic situations: Space Weather, T-Tauri disk winds, red dwarf flares, erosion of exoplanet atmospheres, and so forth.

The main product of our Treasury program will be detailed stellar "atlases," based on advanced processing of the STIS echellegrams. Members of our broad collaboration will analyze these data for specific purposes, such as detection of rare species in sharp-lined F stars, properties and kinematics of local interstellar clouds, and dynamics of chromospheres, coronae, and winds of cool stars; but rapid public release (based on the "StarCAT" model) will enable many other investigations by a much wider community, for decades to come.

OBSERVING DESCRIPTION

The ASTRAL Project Observing Procedures

This is a summary of the observing strategies for "ASTRAL," a Cycle-18 Treasury Project devoted to STIS high resolution, high-S/N, full coverage FUV and NUV echelle "atlases" of eight iconic late-type stars. The program was allocated 146 orbits for the purpose.

The observing plan was developed with these goals in mind: (1) accurate relative and absolute photometry throughout the 1150-3100 Å region; (2) accurate relative and absolute wavelength scales; and (3) the highest feasible S/N at the highest echelle resolution practica for each objectl. The observing strategy was designed to achieve these objectives in a number of redundant ways, which on the surface do not appear to aspire to the highest possible instrumental efficiency, but are necessary for the reasons described below. A side benefit of the strategy is the ability to closely track the detailed spectral emission state of each target over whatever period of time is scheduled for the up to five independent "visits" (typically 4 orbits in duration).

The observing plan is fully detailed in the Phase II program, and only highlights of the guiding philosophies will be described here.

1. The Targets

The targets all are bright late-type stars (three Alphas, three Betas, and two Gammas), usually the brightest in their classes not already observed by STIS. The two F stars -- ALP-CMI and BET-CAS -- are UV-bright enough to trigger MAMA safety limits in the NUV longward of about 2000 Å, even in the E230H settings, and thus require the use of one of the supported ND-filtered slits (020x005ND). There are no safety issues for the other six targets, however. The stellar coordinates and proper motions all are very well known (the values in the Phase II program are for epoch 2010), so standard acquisition procedures can be used. All the objects have been previously observed by IUE over the full FUV + NUV range, and by HST/GHRS in selected narrow spectral intervals (at higher resolution), so the relevant UV flux densities are known. None of the objects is considered highly variable in the UV, and certainly none is deemed a flare star: the coronal soft X-ray surface fluxes of these objects are no more than a few times that of the Sun (an inactive star in its own right), and in most cases fall far below solar.

2. Spectral Coverage, Overlap and Photometry

The goal of broad wavelength coverage together with accurate photometry is achieved by exploiting numerous overlapping echelle settings, and by arranging that one, or more, of the observations is taken through the 020x020 "photometric" aperture, closely following a small-aperture (020x006) peakup to accurately center the target image. As demonstrated by the "StarCAT" project (Ayres 2010: ApJS, 187, 149), the combination of precise relative flux scaling, according to the overlapping zones of adjacent wavelength settings, with one or more segments having an accurate absolute level, is sufficient to achieve accurate absolute photometry across the full wavelength range.

In practice, the desired spectral overlap is obtained (for all but one of the targets), by utilizing the three primary medium-resolution settings: E140M-1425, E230M-1978, and E230M-2707, which together cover the full UV range, with good overlap between adjacent segments. For the UV over-bright target ALP-CMI, the "scaffolding" was accomplished solely with NUV H settings, together with E140M. For this object, one of the seven E140M's is taken through the photometric aperture, to set the absolute scale for the whole UV range, because all the NUV exposures (except for the shortest wavelength one) must be taken through the 020x005ND filtered aperture to avoid an overlight condition on the MAMA camera. The photometric calibration of the NUV-M/ND spectra is problematic at best, and depends sensitively on the initial target centering, so is less than optimum from the "spectral scaffolding" point of view. The spectral content of the NUV-M settings for ALP-CMI also is less valuable than the H settings owing to the very narrow features of this slowly rotating subgiant.

Proposal 12278 (STScI Edit Number: 6, Created: Friday, August 19, 2011 8:21:03 PM EST) - Overview

The other UV-bright target, BET-CAS, is in a similar situation (requiring the ND aperture for NUV M and H settings), but in this case the spectral character (high rotational broadening) is quite different from sharp-line ALP-CMI, so that NUV-M could be used more effectively. Nevertheless, a pair of NUV-H settings are included for BET-CAS to capture two important segments that carry key sharp interstellar absorptions. For this target, all nine of the E140M exposures are through the photometric aperture, and together can be utilized to set the absolute photometric scale (three immediately follow a pickup, and the other six are within two orbits of a pickup).

For the remaining six targets, the photometric scale is established (redundantly) by E230M-2707 and E140M exposures taken through the photometric aperture, close in time after a small-aperture pickup. For the relatively sharp-line red giants GAM-DRA and BET-GEM, the companion E230M-1978 exposures are taken through the narrow spectroscopic aperture (020x006 for this case) to achieve the highest resolution in the 1900 Å region, which carries important intersystem emissions of C III and Si III, which however are too faint for useful NUV-H measurements. Additional deep exposures with E230H-2263 (020x009 slit) are included to capture the important C II (and Si II) intersystem transitions in the 2200-2300 Å region. For the four supergiants, with their generally broader NUV emissions, the E230M-1978 exposures are taken through the 020x020 slot, and consequently potentially are useful for setting the absolute flux scale (in addition to seamlessly connecting the primary E230M and E140M photometric calibrators).

Four of the targets (ALP-CMI, BET-CAS, GAM-DRA, BET-GEM) are relatively nearby and bright, and for these a single FUV-H setting (E140H-1271) was included to capture sharp interstellar features in H I, O I, and C II, and to add to the exposure depth below 1250 Å (redundantly covered by E140M) where the STIS sensitivity is falling rapidly. This FUV-H setting utilizes the 020x009 "spectroscopic" aperture to obtain the cleanest line spread function for the ISM absorptions (which typically occur near the centers of bright chromospheric emission features, so sensitivity is less of an issue).

For the six red giants and supergiants, most of the 2100-2900 Å region is covered at high resolution by a combination of three NUV-H settings: E230H-2263, -2513, and -2762. A bridge to the visible (up to 3150 Å) is provided by the longwavelength end of E230M-2707, and overlap with the FUV, below 1700 Å, is achieved with the short end of E230M-1978.

3. Absolute and Relative Wavelengths

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The wavelength scales of STIS achieve excellent relative precision thanks to calibrations by the internal Pt-Cr/Ne emission line lamps, which not only provide dispersion solutions for each setting, but also tie together the different, partially overlapping segments. The StarCAT effort, moreover, exploited a post-facto "distortion correction" to the pipeline assigned wavelength scales to push the precision even higher, by compensating for small-scale setting-dependent deviations in the wavelengths identified in an earlier extensive study of deep exposures of the calibration lamps. As with the photometric 'scaffold,' adjacent spectral segments can be tied together in wavelength (or, equivalently, in radial velocity) by cross-correlating distinct high-contrast spectral features in common to the overlap zone. One thereby can obtain high relative precision throughout the full range of a spliced spectrum (ala StarCAT), as long as there are sufficiently good spectral references in all the overlap zones. As on the photometric side, the wavelength continuity benefits from generous overlap zones, and deep enough exposures to ensure good S/N in each individual segment.

Achieving an accurate velocity zero point for the spliced spectrum is less trivial, and requires that one carefully arrange suitable reference observations close in time to peakups, because the absolute accuracy is directly dependent on the quality of the target centering. This is done by placing a different spectral element in the leading orbit of each visit, which has reduced exposure time available compared with the subsequent ones owing to the initial target acquisition and the peakup process itself. The relatively short exposure minimizes instrumental drifts, and the proximity to the peakup ensures the best possible target centering. Taking these leading exposures with a range of different spectral settings also mitigates any systematic errors that might be specific to a particular setting.

In all cases, the initial acquisition is accomplished using the CCD with the MIRROR and F25ND5 aperture combination. For these bright targets, the exposure times typically are the minimum possible, 100 ms. Only ALP-CMI is close to saturation (although still a comfortable factor of ~ 2 below). The subsequent peakup is done uniformly with the 020x006 aperture, in dispersed light using the G430M-3936 setting (in the vicinity of the key chromospheric Ca II H & K lines), again with the CCD. The exposure times (to achieve $S/N \sim 40$) also all are at the minimum, 100 ms (counts are accumulated over the whole spectral stripe, but usually even the per pixel S/N is relatively good). The narrow 020x006 aperture for the peakup is dictated by the common usage of either the M spectroscopic slit (020x006) or the ND filtered slit (020x005ND), and naturally ensures the most accurate centering for the wider H spectroscopic slit and the photometric slot as well.

For the CVZ target BET-CAS, a peakup is done about half-way through each four-orbit visit to ensure good centering for the subsequent E140H and E140M exposures that take up the second half. These provide primary velocity and photometric scaffolds for the NUV-M and H spectra, which all are taken through the calibrationally challenged ND slit. For ALP-CMI, there is a leading E140M exposure with the 020x020 aperture in the fifth visit for this purpose (and similarly for the six cool giants, although these also have redundant velocity and photometric scaffolding based on NUV-H and NUV-M settings, respectively).

In all cases, exposures in the second and higher orbits of a visit are broken into at least two independent subexposures. While this is slightly less efficient than allowing a single exposure to occupy the available visibility, it does avoid small thermal drifts of the spectral format. Such drifts can introduce slight spectral blurring, but -- more importantly -- a small shift of the effective wavelength zero point (relative to the WAVELINE prior to the exposure, which in principle accurately captures the zero point).

For the targets for which there is only a single pickup at the beginning of each visit (all, except BET-CAS, as noted above), the exposures usually are arranged in order of increasing aperture width, to mitigate any small drifts of the target image. In no case does a narrow slit (005ND or 006) exposure extend past the third orbit of a visit. The exception to the width-order rule is when a 020x020 aperture exposure is placed as the leading observation, to optimize its photometric accuracy. Again, the pattern of exposures is changed in each visit, within the width-order constraints, to ensure that at least several independent settings take the lead position, with the associated benefit for velocity (and photometric) accuracy. These accuracies then can be transferred to the other exposures of that type, and to adjacent segments as well, according to the registration procedures embodied in the StarCAT protocols.

4. Signal-to-Noise

The final consideration is pushing the S/N as high as possible within the limits dictated by the finite -- although quite generous under the circumstances -- orbit allocation. The most obvious factor is the brute force exposure depth: longer integrations yield higher S/N. A more subtle aspect is the existence of "fixed pattern noise" (incomplete pixel-to-pixel flat-fielding), which limits in principle the S/N achievable in a single exposure, no matter the duration. The best way to combat fixed pattern is to build exposure depth in numerous independent observations, separated in such a way that the slight randomness of the (Grating) Mode Select Mechanism (MSM) places each new echellegram on a slightly different set of pixels. This is somewhat analogous to the FP-SPLIT mechanism utilized by GHRS (and now also by COS). Combining the spectra after the fact on a common wavelength scale then effectively randomizes the fixed pattern, boosting S/N.

This is accomplished in practice by dividing exposures into single orbit "units," where each unit consists of a pair of subexposures, except in the leading orbit for which it would be just a single exposure. The rule then is to avoid placing two identical units next to each other (i.e., in adjacent orbits within a visit). Again, this is not the most efficient way to schedule the observations, although in truth much of the associated overheads are

`hidden' in the Earth occultation periods, so one does not pay a big penalty to organize the exposures in this way. A positive side benefit is that the visits then can be constructed to have at least one E140M (and in one case, an E140H), which can be exploited to follow any changes in chromospheric emission properties of the objects, or in their outflow absorption profiles in the case of the red giants. Since the outer atmospheres of the ASTRAL targets are strongly shaped by energetic magnetodynamical processes, the capability to track changing properties is well worth the slight inefficiency of scheduling the exposures in discrete, non-adjacent packets.

Finally, it is worth noting that the specific observing strategies have been tailored to make best use of the post-processing protocols developed during the StarCAT project, which exploit hierarchical coaddition schemes, together with `bootstrap splicing,' to preserve wavelength fidelity, photometric continuity, and the absolute scales of both.

REAL TIME JUSTIFICATION

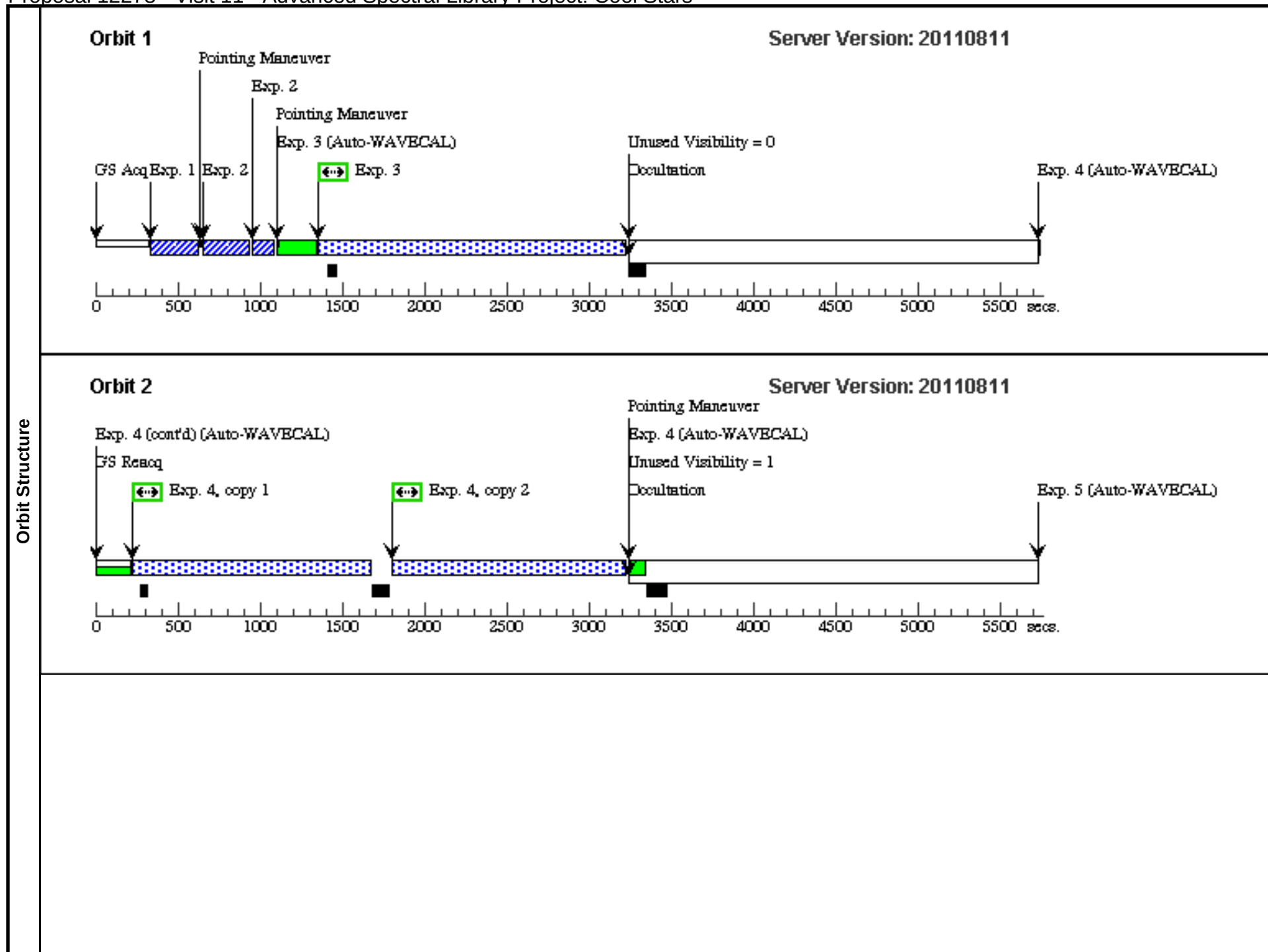
N/A

CALIBRATION JUSTIFICATION

N/A

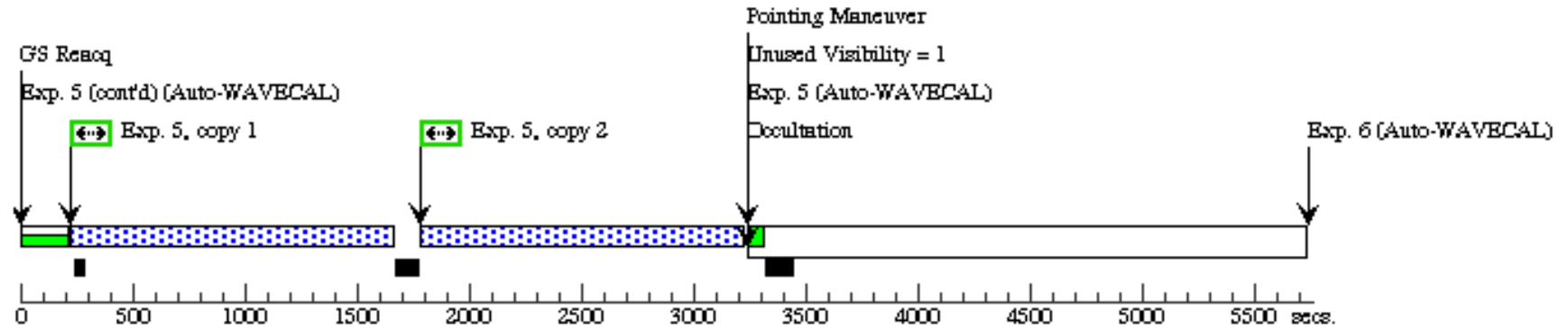
Proposal 12278 - Visit 11 - Advanced Spectral Library Project: Cool Stars

Visit	Proposal 12278, Visit 11, completed								Sat Aug 20 01:21:04 GMT 2011	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA, STIS/NUV-MAMA									
	Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	HD61421	RA: 07 39 17.6386 (114.8234942d)	Proper Motion RA: -0.0479 sec of time/yr	V=+0.34+/-0.1	Reference Frame: ICRS				
		Alt Name1: ALP-CMI	Dec: +05 13 19.63 (5.22212d)	Proper Motion Dec: -1.035 arcsec/yr						
			Equinox: J2000	Parallax: 0.286"						
			Epoch of Position: 2010							
			Radial Velocity: -3.2 km/sec							
	Comments: Procyon; Alpha Canis Minoris; F5IV-V									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(1) HD61421	STIS/CCD, ACQ, F25ND5	MIRROR				0.1 Secs	
									[==>]	[1]
	Comments: C&K F5V 6500,4; STIS.A316900; sat-time=3.7s									
	2		(1) HD61421	STIS/CCD, ACQ/PEAK, 0.2X0.06	G430M				0.1 Secs	
					3936 A				[==>]	[1]
	Comments: C&K F5V, 6500,4.0;STIS.A316917; sat-time= 0.23s									
	3		(1) HD61421	STIS/NUV-MAMA, ACCUM, 0.2X0.05ND	E230H				1824 Secs	
					3012 A				[==>]	[1]
	4		(1) HD61421	STIS/NUV-MAMA, ACCUM, 0.2X0.05ND	E230H				1410 Secs X 2	
					2762 A				[==>(Copy 1)]	[2]
									[==>(Copy 2)]	
	5		(1) HD61421	STIS/FUV-MAMA, ACCUM, 0.2X0.06	E140M				1425 Secs X 2	
					1425 A				[==>(Copy 1)]	[3]
									[==>(Copy 2)]	
	6		(1) HD61421	STIS/FUV-MAMA, ACCUM, 0.2X0.09	E140H				1425 Secs X 2	
				1271 A				[==>(Copy 1)]	[4]	
								[==>(Copy 2)]		



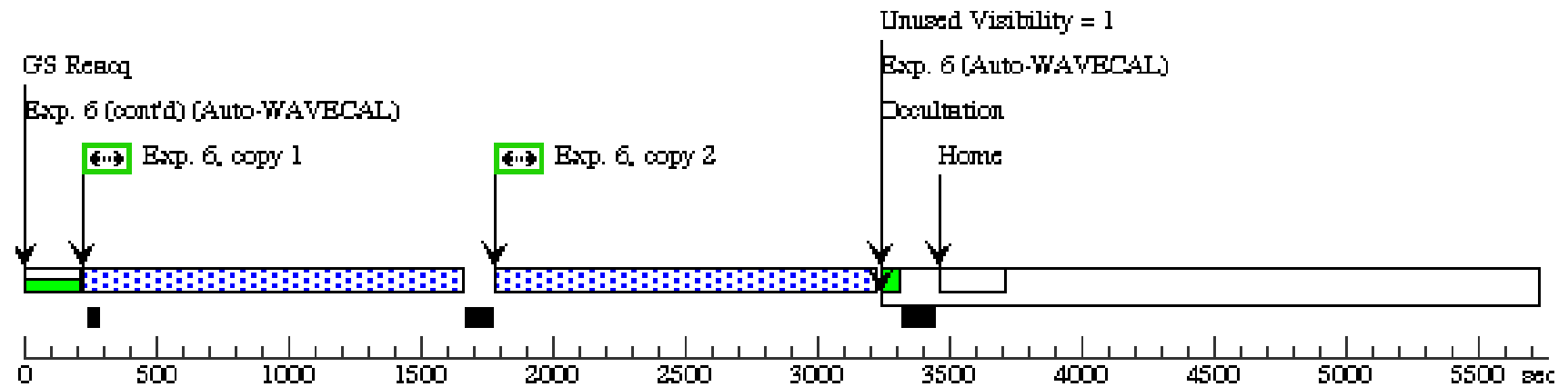
Orbit 3

Server Version: 20110811



Orbit 4

Server Version: 20110811

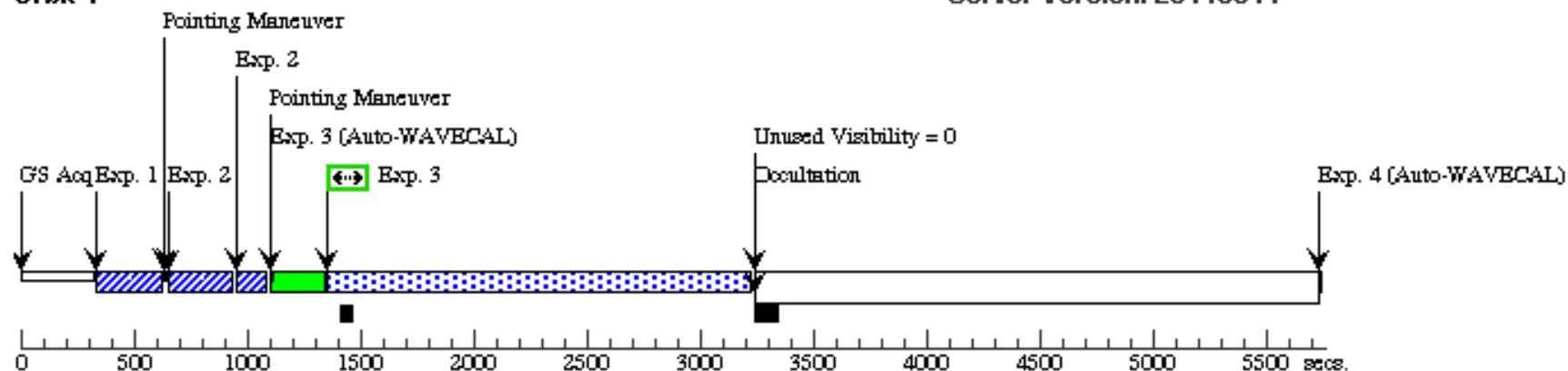


Proposal 12278 - Visit 12 - Advanced Spectral Library Project: Cool Stars

Visit	Proposal 12278, Visit 12, failed								Sat Aug 20 01:21:05 GMT 2011	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA, STIS/NUV-MAMA									
	Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	HD61421	RA: 07 39 17.6386 (114.8234942d)	Proper Motion RA: -0.0479 sec of time/yr	V=+0.34+/-0.1	Reference Frame: ICRS				
		Alt Name1: ALP-CMI	Dec: +05 13 19.63 (5.22212d)	Proper Motion Dec: -1.035 arcsec/yr						
			Equinox: J2000	Parallax: 0.286"						
			Epoch of Position: 2010							
			Radial Velocity: -3.2 km/sec							
	Comments: Procyon; Alpha Canis Minoris; F5IV-V									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(1) HD61421	STIS/CCD, ACQ, F25ND5	MIRROR				0.1 Secs	
									[==>]	[1]
	Comments: C&K F5V 6500,4; STIS.A316900; sat-time=3.7s									
	2		(1) HD61421	STIS/CCD, ACQ/PEAK, 0.2X0.06	G430M				0.1 Secs	
					3936 A				[==>]	[1]
	Comments: C&K F5V, 6500,4.0;STIS.A316917; sat-time= 0.23s									
	3		(1) HD61421	STIS/NUV-MAMA, ACCUM, 0.2X0.05ND	E230H				1824 Secs	
					2762 A				[==>]	[1]
	4		(1) HD61421	STIS/NUV-MAMA, ACCUM, 0.2X0.05ND	E230H				1410 Secs X 2	
					2513 A				[==>(Copy 1)]	
									[==>(Copy 2)]	[2]
	5		(1) HD61421	STIS/FUV-MAMA, ACCUM, 0.2X0.06	E140M				1425 Secs X 2	
					1425 A				[==>(Copy 1)]	
									[==>(Copy 2)]	[3]
6		(1) HD61421	STIS/FUV-MAMA, ACCUM, 0.2X0.09	E140H				1425 Secs X 2		
				1271 A				[==>(Copy 1)]		
								[==>(Copy 2)]	[4]	

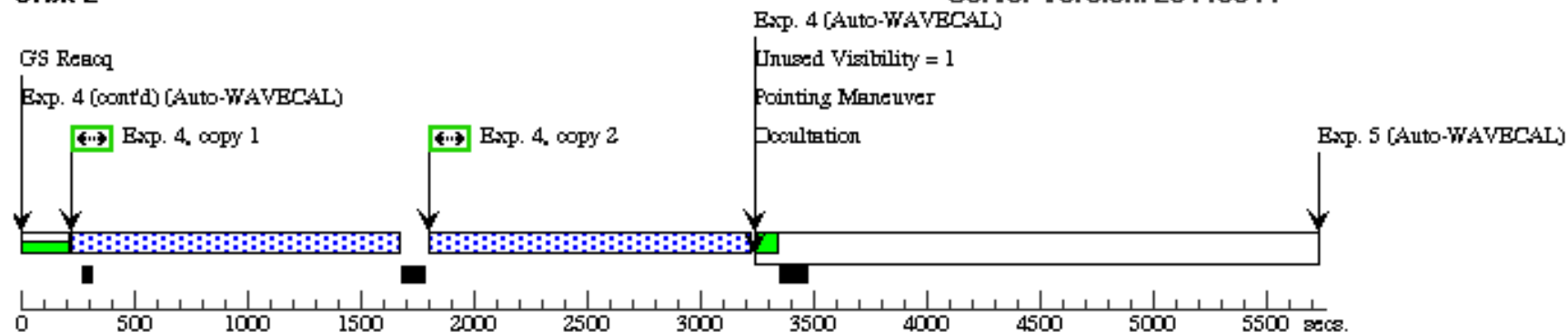
Orbit 1

Server Version: 20110811



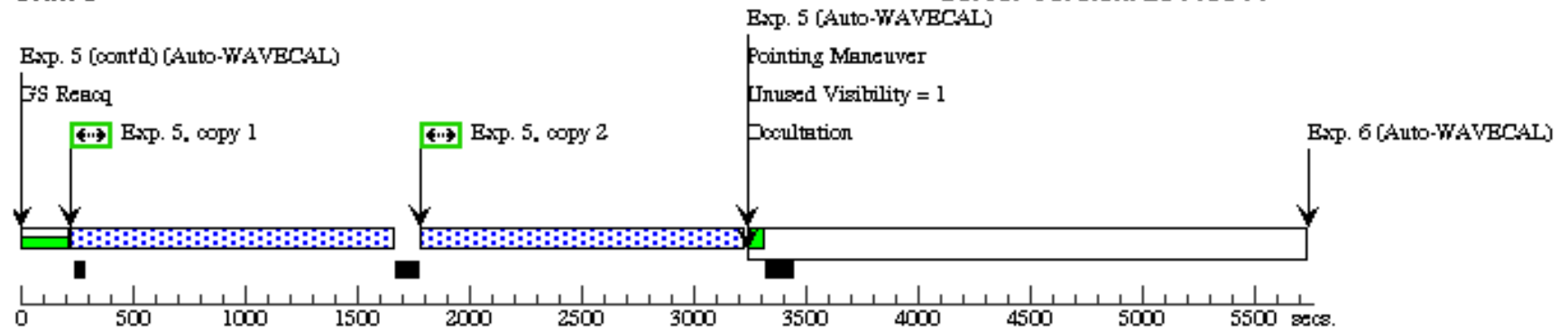
Orbit 2

Server Version: 20110811



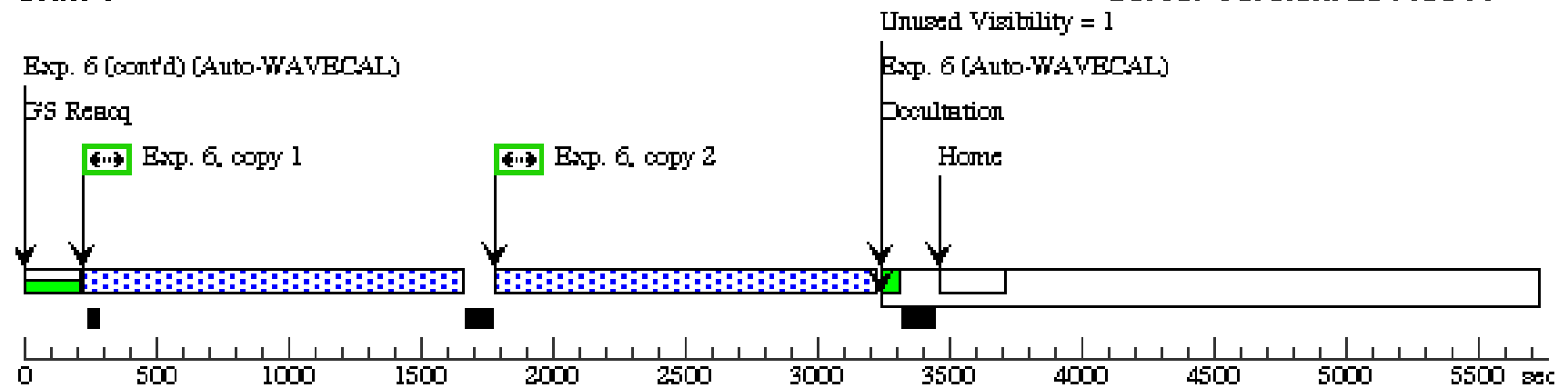
Orbit 3

Server Version: 20110811



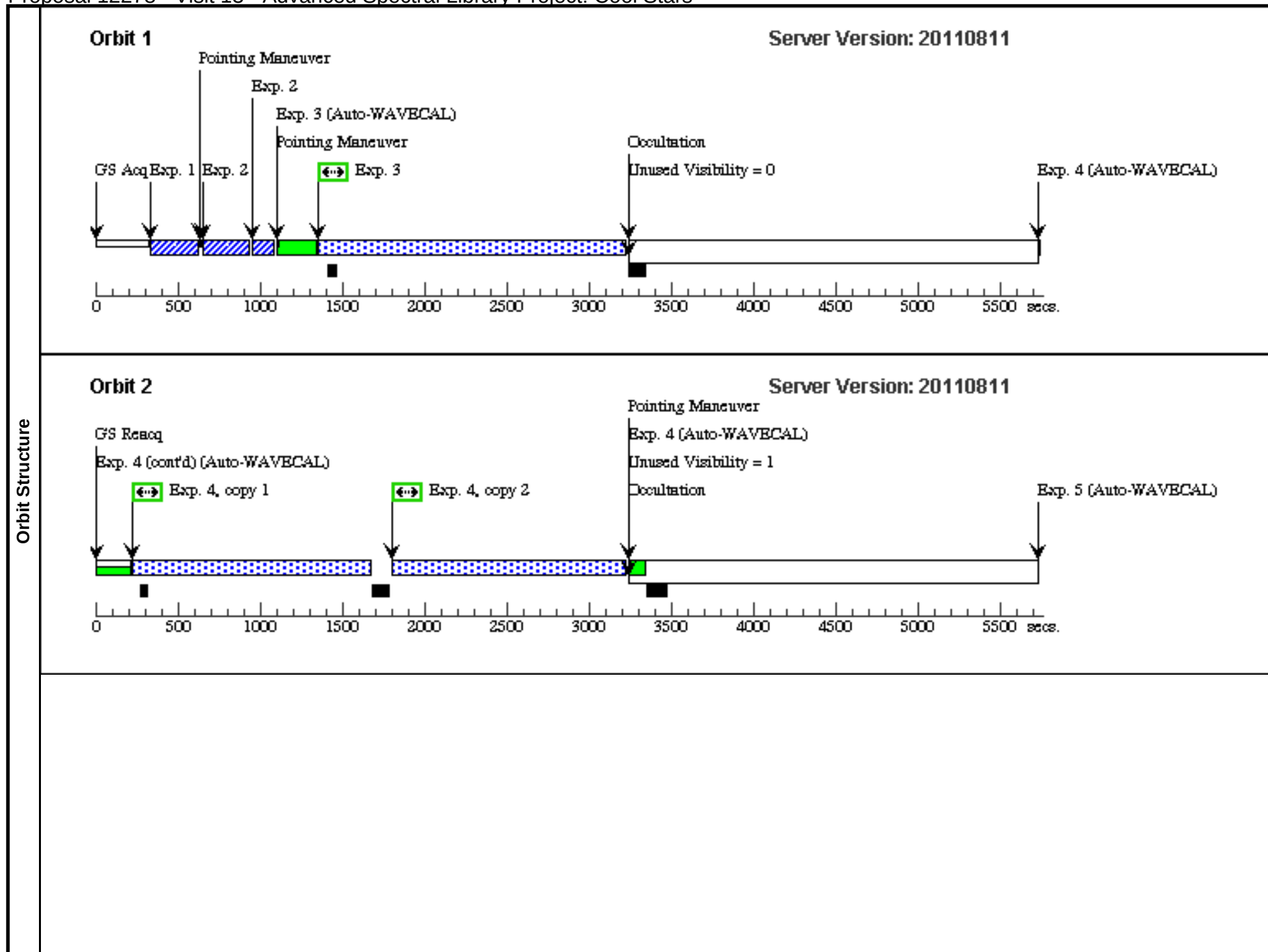
Orbit 4

Server Version: 20110811



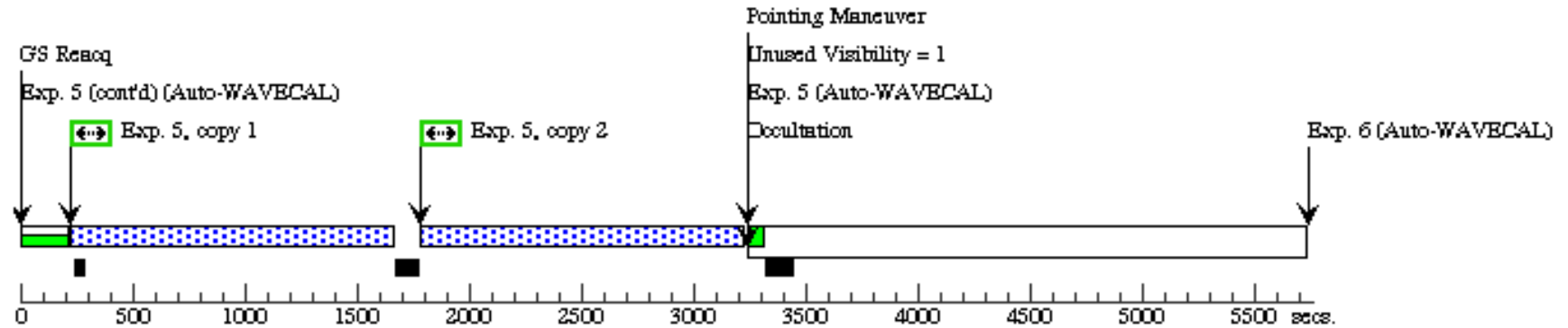
Proposal 12278 - Visit 13 - Advanced Spectral Library Project: Cool Stars

Visit	Proposal 12278, Visit 13, completed								Sat Aug 20 01:21:06 GMT 2011	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA, STIS/NUV-MAMA									
	Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	HD61421	RA: 07 39 17.6386 (114.8234942d)	Proper Motion RA: -0.0479 sec of time/yr	V=+0.34+/-0.1	Reference Frame: ICRS				
		Alt Name1: ALP-CMI	Dec: +05 13 19.63 (5.22212d)	Proper Motion Dec: -1.035 arcsec/yr						
			Equinox: J2000	Parallax: 0.286"						
			Epoch of Position: 2010							
			Radial Velocity: -3.2 km/sec							
	Comments: Procyon; Alpha Canis Minoris; F5IV-V									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(1) HD61421	STIS/CCD, ACQ, F25ND5	MIRROR				0.1 Secs	
									[==>]	[1]
	Comments: C&K F5V 6500,4; STIS.A316900; sat-time=3.7s									
	2		(1) HD61421	STIS/CCD, ACQ/PEAK, 0.2X0.06	G430M				0.1 Secs	
					3936 A				[==>]	[1]
	Comments: C&K F5V, 6500,4.0;STIS.A316917; sat-time= 0.23s									
	3		(1) HD61421	STIS/NUV-MAMA, ACCUM, 0.2X0.05ND	E230H				1824 Secs	
					2263 A				[==>]	[1]
	4		(1) HD61421	STIS/NUV-MAMA, ACCUM, 0.2X0.05ND	E230H				1410 Secs X 2	
					2013 A				[==>(Copy 1)]	[2]
									[==>(Copy 2)]	
	5		(1) HD61421	STIS/FUV-MAMA, ACCUM, 0.2X0.06	E140M				1425 Secs X 2	
					1425 A				[==>(Copy 1)]	[3]
									[==>(Copy 2)]	
	6		(1) HD61421	STIS/FUV-MAMA, ACCUM, 0.2X0.09	E140H				1425 Secs X 2	
				1271 A				[==>(Copy 1)]	[4]	
								[==>(Copy 2)]		



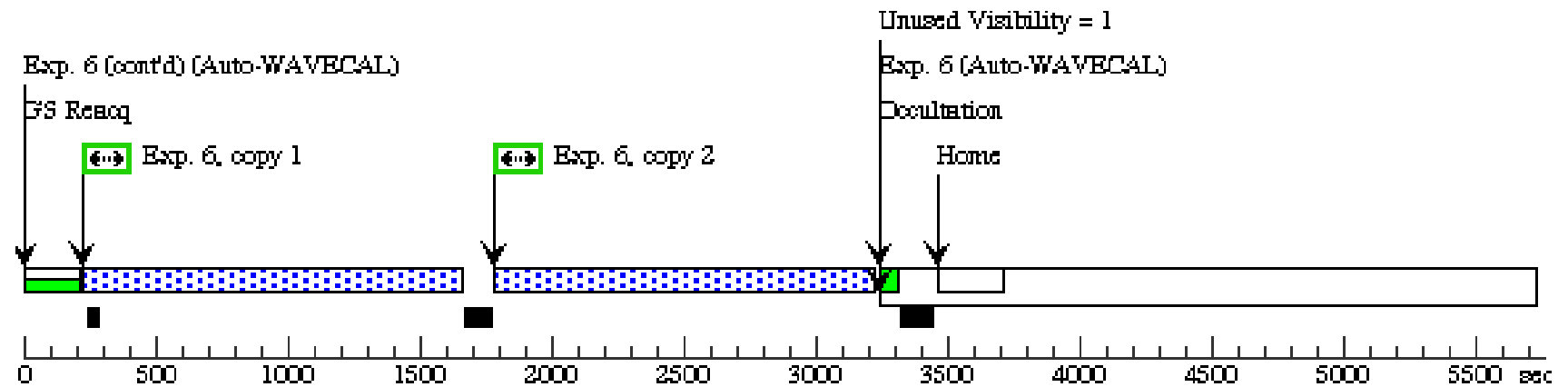
Orbit 3

Server Version: 20110811



Orbit 4

Server Version: 20110811

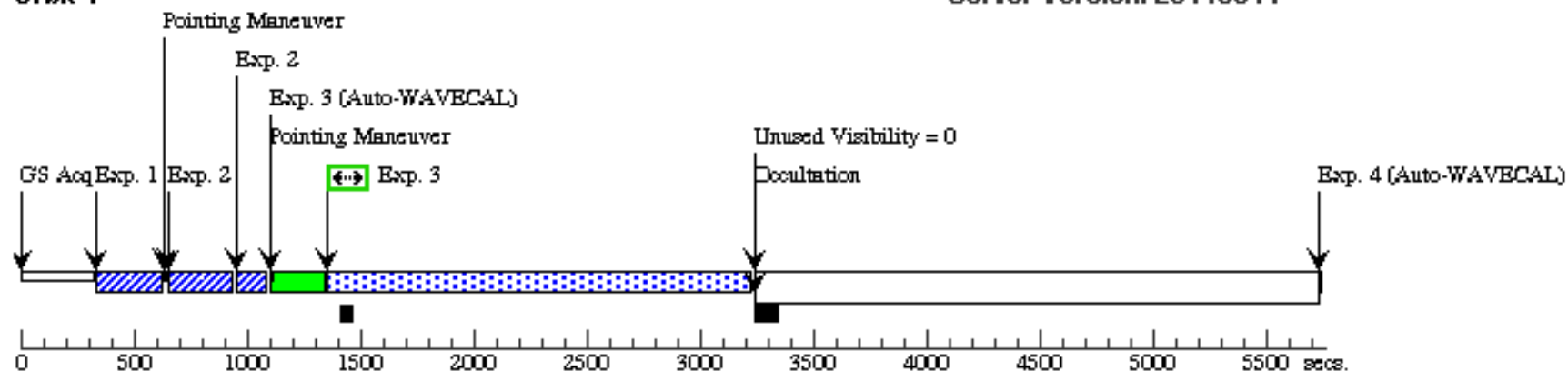


Proposal 12278 - Visit 14 - Advanced Spectral Library Project: Cool Stars

Visit	Proposal 12278, Visit 14, completed							Sat Aug 20 01:21:07 GMT 2011		
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA, STIS/NUV-MAMA									
	Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	HD61421	RA: 07 39 17.6386 (114.8234942d)	Proper Motion RA: -0.0479 sec of time/yr	V=+0.34+/-0.1	Reference Frame: ICRS				
		Alt Name1: ALP-CMI	Dec: +05 13 19.63 (5.22212d)	Proper Motion Dec: -1.035 arcsec/yr						
			Equinox: J2000	Parallax: 0.286"						
			Epoch of Position: 2010							
			Radial Velocity: -3.2 km/sec							
	Comments: Procyon; Alpha Canis Minoris; F5IV-V									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(1) HD61421	STIS/CCD, ACQ, F25ND5	MIRROR				0.1 Secs	
									[==>]	[1]
	Comments: C&K F5V 6500,4; STIS.A316900; sat-time=3.7s									
	2		(1) HD61421	STIS/CCD, ACQ/PEAK, 0.2X0.06	G430M				0.1 Secs	
					3936 A				[==>]	[1]
	Comments: C&K F5V, 6500,4.0;STIS.A316917; sat-time= 0.23s									
	3		(1) HD61421	STIS/NUV-MAMA, ACCUM, 0.2X0.05ND	E230H				1824 Secs	
					2013 A				[==>]	[1]
	4		(1) HD61421	STIS/NUV-MAMA, ACCUM, 0.2X0.05ND	E230H				1407 Secs X 2	
					2263 A				[==>(Copy 1)]	[2]
									[==>(Copy 2)]	
	5		(1) HD61421	STIS/NUV-MAMA, ACCUM, 0.2X0.05ND	E230H				1410 Secs X 2	
					2513 A				[==>(Copy 1)]	[3]
									[==>(Copy 2)]	
	6		(1) HD61421	STIS/FUV-MAMA, ACCUM, 0.2X0.09	E140H				1425 Secs X 2	
				1271 A				[==>(Copy 1)]	[4]	
								[==>(Copy 2)]		

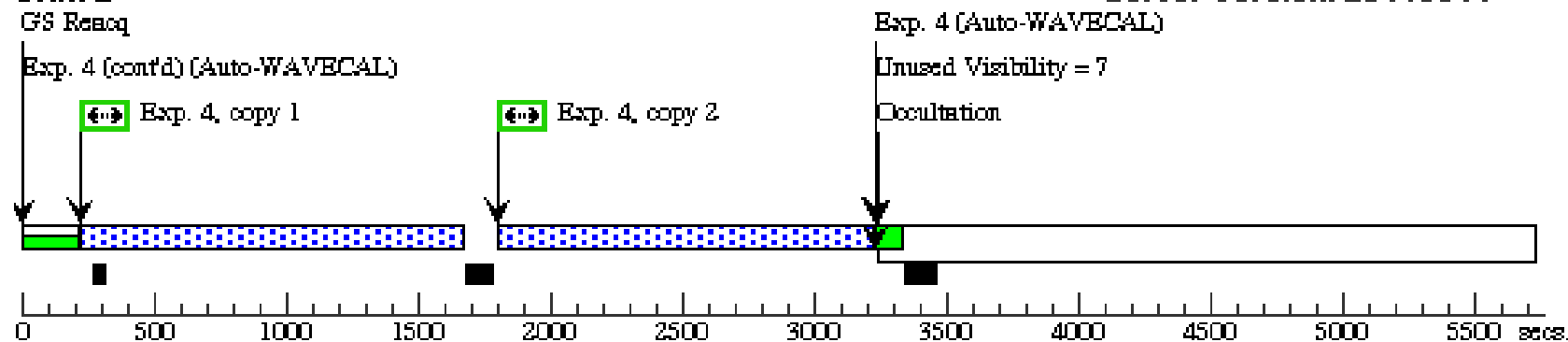
Orbit 1

Server Version: 20110811



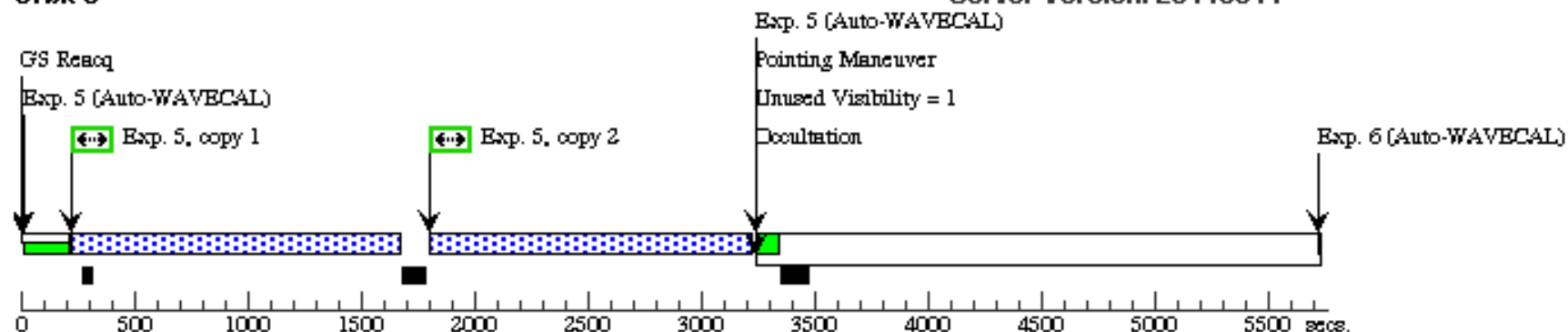
Orbit 2

Server Version: 20110811



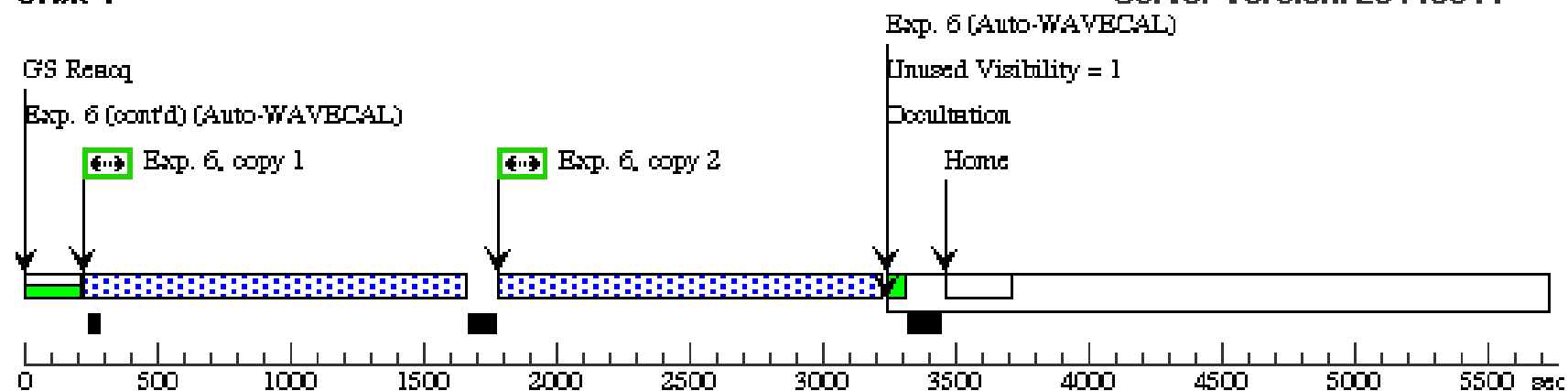
Orbit 3

Server Version: 20110811



Orbit 4

Server Version: 20110811

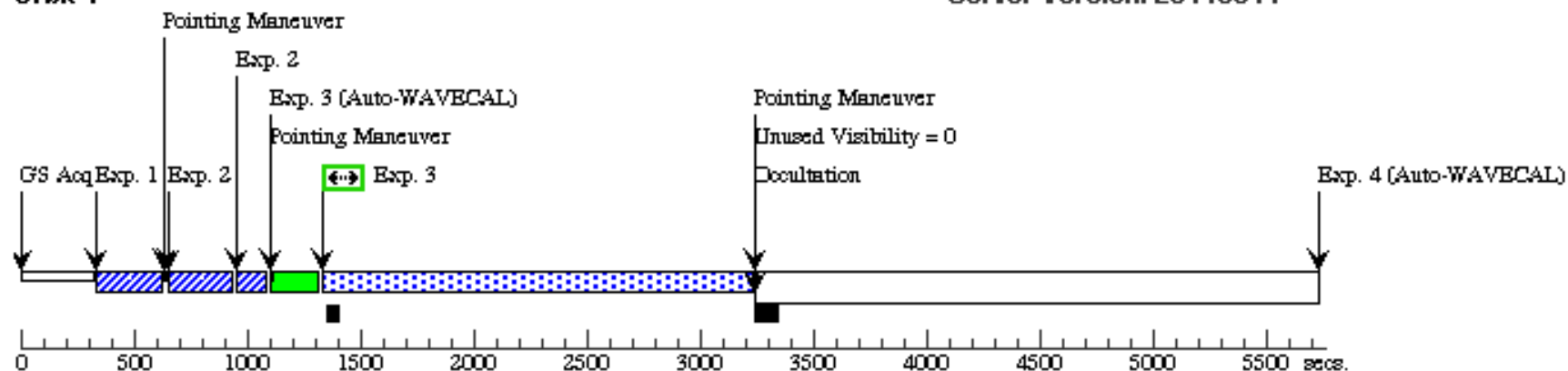


Proposal 12278 - Visit 15 - Advanced Spectral Library Project: Cool Stars

Visit	Proposal 12278, Visit 15, failed						Sat Aug 20 01:21:08 GMT 2011			
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA, STIS/NUV-MAMA									
	Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	HD61421	RA: 07 39 17.6386 (114.8234942d)	Proper Motion RA: -0.0479 sec of time/yr	V=+0.34+/-0.1	Reference Frame: ICRS				
		Alt Name1: ALP-CMI	Dec: +05 13 19.63 (5.22212d)	Proper Motion Dec: -1.035 arcsec/yr						
			Equinox: J2000	Parallax: 0.286"						
			Epoch of Position: 2010							
			Radial Velocity: -3.2 km/sec							
	Comments: Procyon; Alpha Canis Minoris; F5IV-V									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(1) HD61421	STIS/CCD, ACQ, F25ND5	MIRROR				0.1 Secs	
									[==>]	[1]
	Comments: C&K F5V 6500,4; STIS.A316900; sat-time=3.7s									
	2		(1) HD61421	STIS/CCD, ACQ/PEAK, 0.2X0.06	G430M				0.1 Secs	
					3936 A				[==>]	[1]
	Comments: C&K F5V, 6500,4.0;STIS.A316917; sat-time= 0.23s									
	3		(1) HD61421	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M				1882 Secs	
					1425 A				[==>]	[1]
	4		(1) HD61421	STIS/NUV-MAMA, ACCUM, 0.2X0.05ND	E230H				1410 Secs X 2	
					2013 A				[==>(Copy 1)]	
									[==>(Copy 2)]	[2]
	5		(1) HD61421	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H				1425 Secs X 2	
					1763 A				[==>(Copy 1)]	
								[==>(Copy 2)]	[3]	

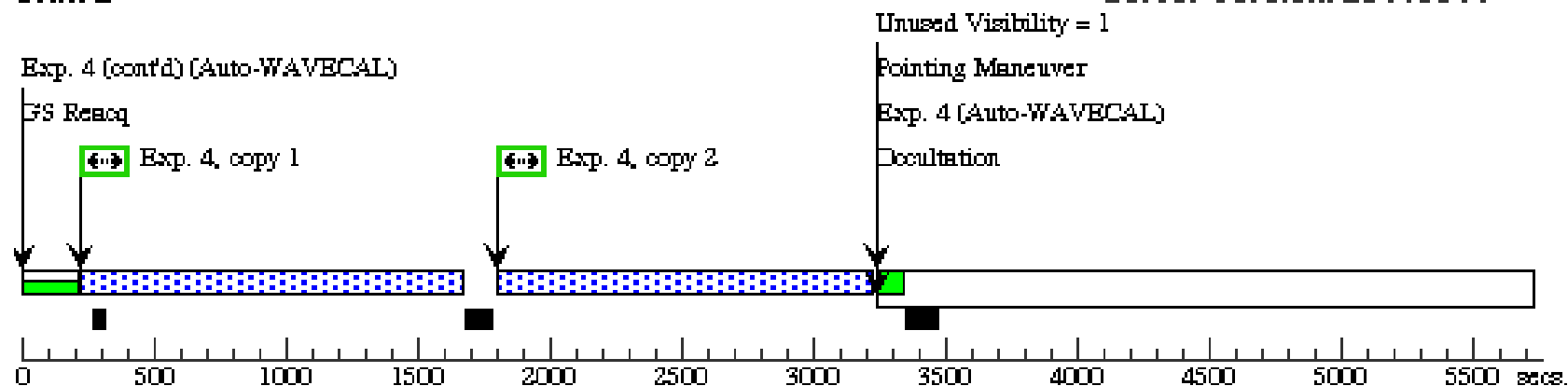
Orbit 1

Server Version: 20110811



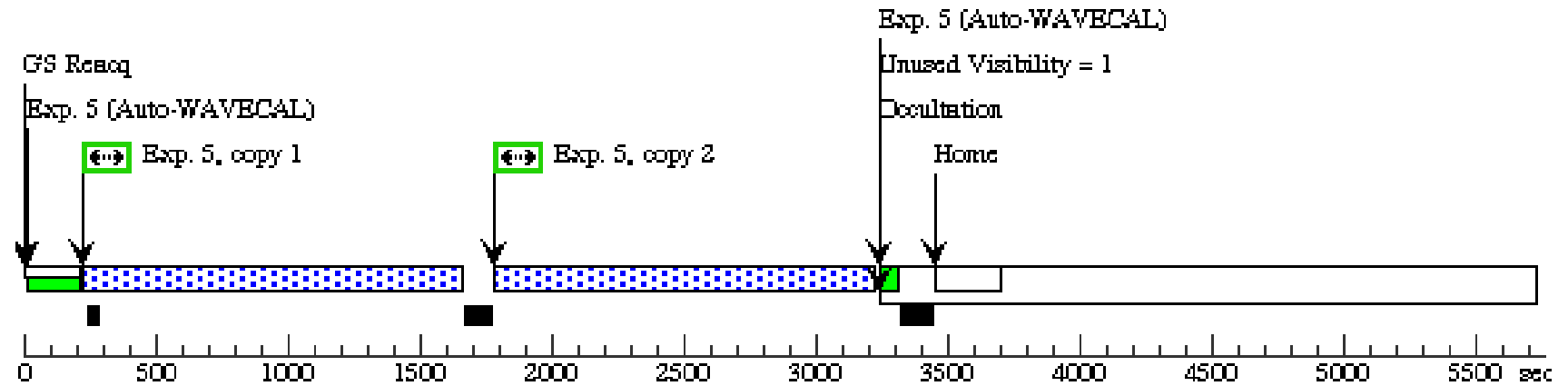
Orbit 2

Server Version: 20110811



Orbit 3

Server Version: 20110811

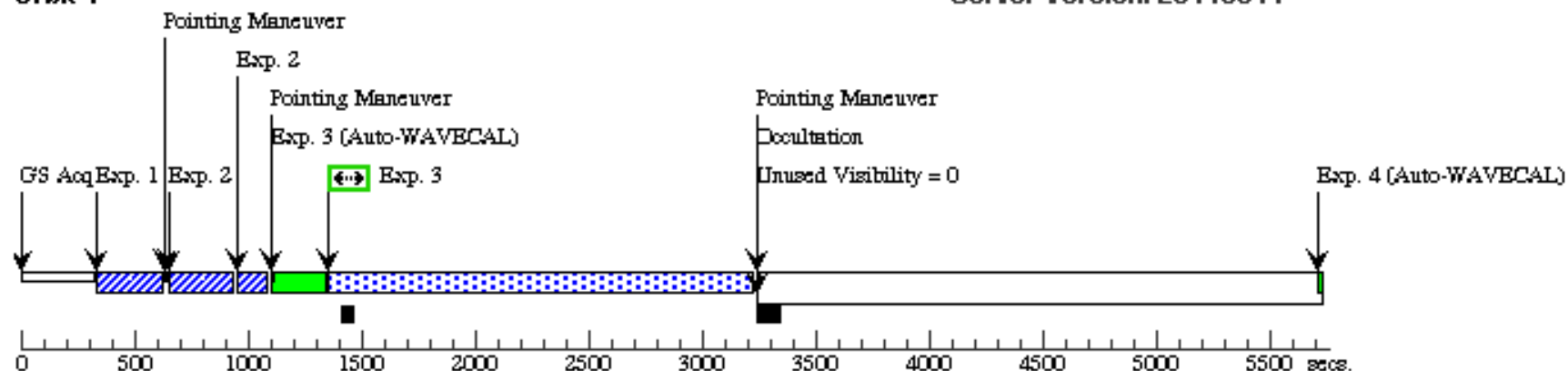


Proposal 12278 - Visit 16 - Advanced Spectral Library Project: Cool Stars

Visit	Proposal 12278, Visit 16, completed								Sat Aug 20 01:21:08 GMT 2011	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA, STIS/NUV-MAMA									
	Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	HD61421	RA: 07 39 17.6386 (114.8234942d)	Proper Motion RA: -0.0479 sec of time/yr	V=+0.34+/-0.1	Reference Frame: ICRS				
		Alt Name1: ALP-CMI	Dec: +05 13 19.63 (5.22212d)	Proper Motion Dec: -1.035 arcsec/yr						
			Equinox: J2000	Parallax: 0.286"						
			Epoch of Position: 2010							
			Radial Velocity: -3.2 km/sec							
	Comments: Procyon; Alpha Canis Minoris; F5IV-V									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(1) HD61421	STIS/CCD, ACQ, F25ND5	MIRROR				0.1 Secs	
									[==>]	[1]
	Comments: C&K F5V 6500,4; STIS.A316900; sat-time=3.7s									
	2		(1) HD61421	STIS/CCD, ACQ/PEAK, 0.2X0.06	G430M				0.1 Secs	
					3936 A				[==>]	[1]
	Comments: C&K F5V, 6500,4.0;STIS.A316917; sat-time= 0.23s									
	3		(1) HD61421	STIS/NUV-MAMA, ACCUM, 0.2X0.05ND	E230H				1824 Secs	
					2762 A				[==>]	[1]
	4		(1) HD61421	STIS/FUV-MAMA, ACCUM, 0.2X0.06	E140M				1425 Secs X 2	
					1425 A				[==>(Copy 1)]	
									[==>(Copy 2)]	[2]
	5		(1) HD61421	STIS/FUV-MAMA, ACCUM, 0.2X0.09	E140H				1425 Secs X 2	
				1271 A				[==>(Copy 1)]		
								[==>(Copy 2)]	[3]	

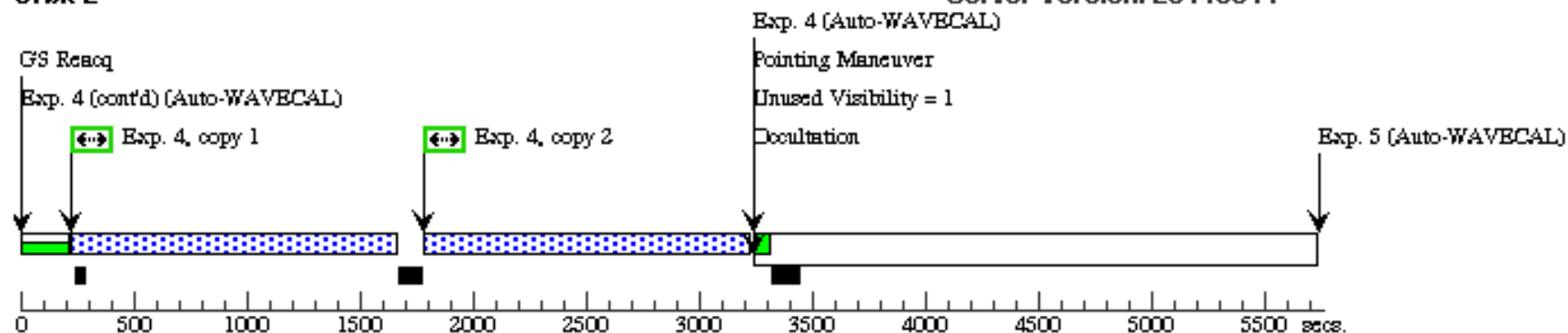
Orbit 1

Server Version: 20110811



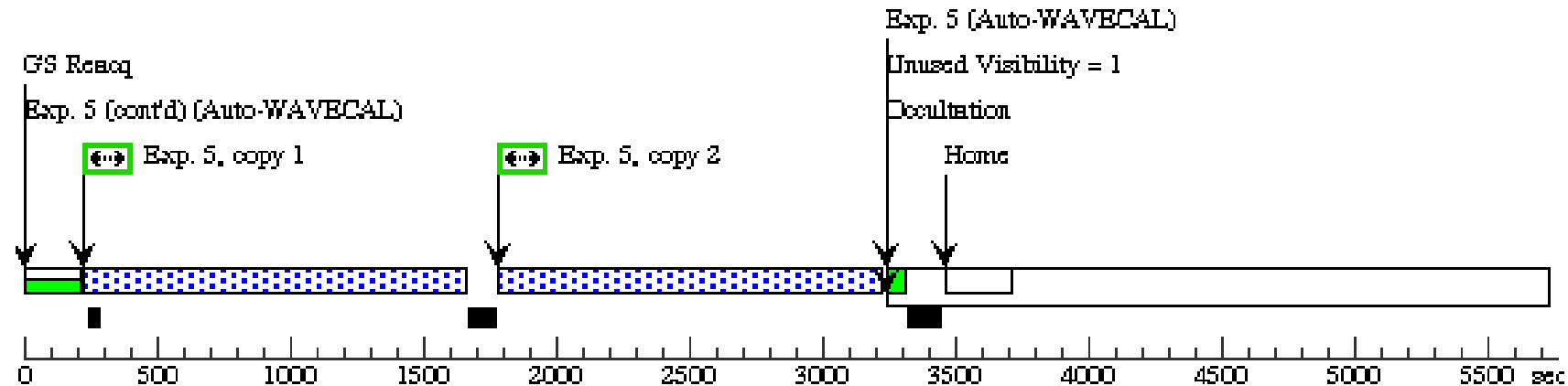
Orbit 2

Server Version: 20110811



Orbit 3

Server Version: 20110811

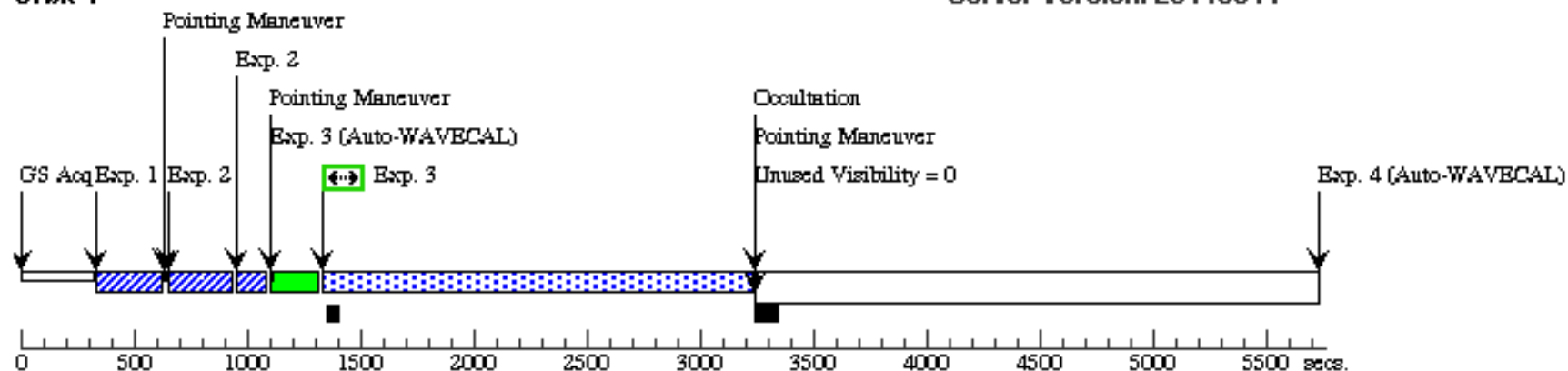


Proposal 12278 - Visit 17 - Advanced Spectral Library Project: Cool Stars

Visit	Proposal 12278, Visit 17, scheduling								Sat Aug 20 01:21:09 GMT 2011	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA, STIS/NUV-MAMA									
	Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	HD61421	RA: 07 39 17.6386 (114.8234942d)	Proper Motion RA: -0.0479 sec of time/yr	V=+0.34+/-0.1	Reference Frame: ICRS				
		Alt Name1: ALP-CMI	Dec: +05 13 19.63 (5.22212d)	Proper Motion Dec: -1.035 arcsec/yr						
			Equinox: J2000	Parallax: 0.286"						
			Epoch of Position: 2010							
			Radial Velocity: -3.2 km/sec							
	Comments: Procyon; Alpha Canis Minoris; F5IV-V									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(1) HD61421	STIS/CCD, ACQ, F25ND5	MIRROR		GS ACQ SCENARI O BASE1B3		0.1 Secs	
									[==>]	[1]
	Comments: C&K F5V 6500,4; STIS.A316900; sat-time=3.7s									
	2		(1) HD61421	STIS/CCD, ACQ/PEAK, 0.2X0.06	G430M				0.1 Secs	
					3936 A				[==>]	[1]
	Comments: C&K F5V, 6500,4.0;STIS.A316917; sat-time= 0.23s									
	3		(1) HD61421	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M				1882 Secs	
					1425 A				[==>]	[1]
	4		(1) HD61421	STIS/NUV-MAMA, ACCUM, 0.2X0.05ND	E230H				1410 Secs X 2	
					2013 A				[==>(Copy 1)]	
									[==>(Copy 2)]	[2]
	5		(1) HD61421	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H				1425 Secs X 2	
				1763 A				[==>(Copy 1)]		
								[==>(Copy 2)]	[3]	

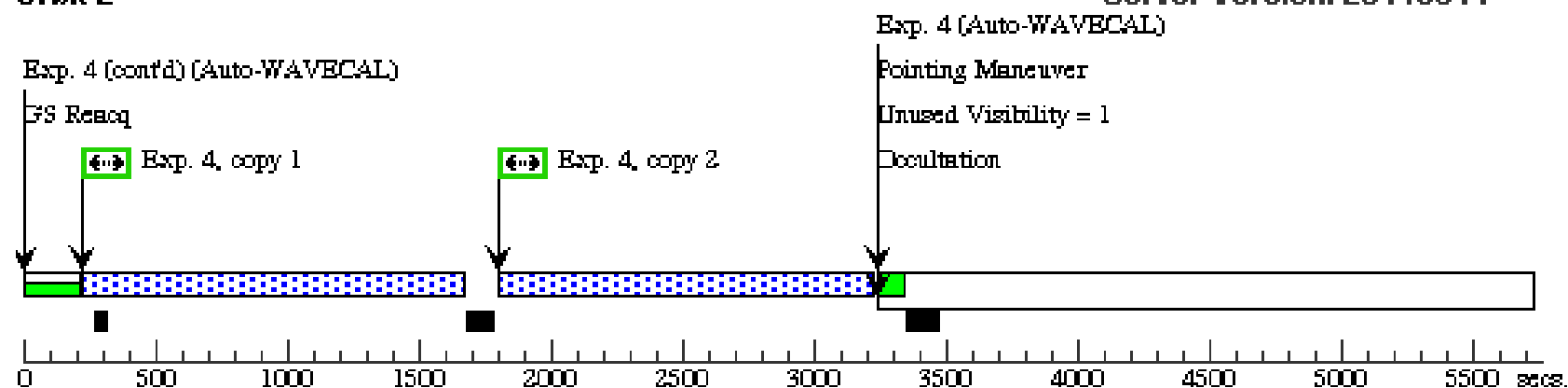
Orbit 1

Server Version: 20110811



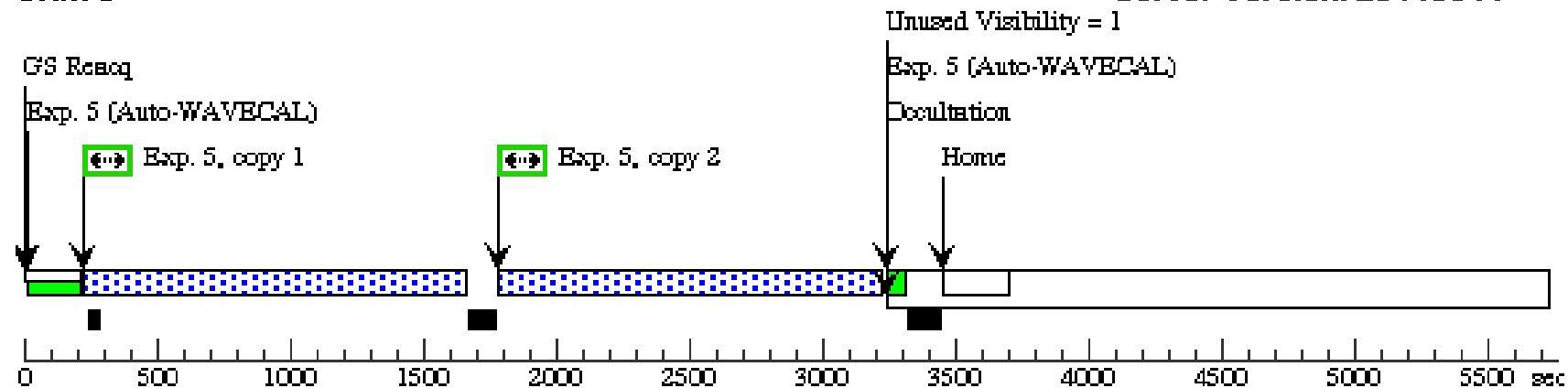
Orbit 2

Server Version: 20110811



Orbit 3

Server Version: 20110811

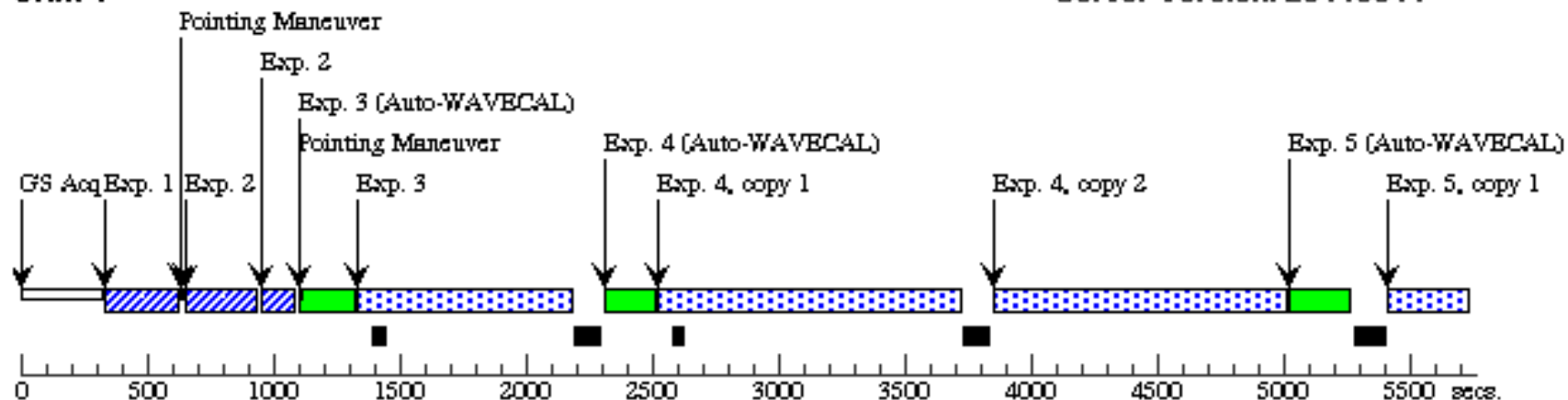


Proposal 12278 - Visit 21 - Advanced Spectral Library Project: Cool Stars

Visit	Proposal 12278, Visit 21, scheduling						Sat Aug 20 01:21:10 GMT 2011			
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA, STIS/NUV-MAMA									
	Special Requirements: CVZ									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	HD432	RA: 00 09 11.3655 (2.2973562d)	Proper Motion RA: +0.0681 sec of time/yr	V=+2.27+/-0.1	Reference Frame: ICRS				
		Alt Name1: BET-CAS	Dec: +59 08 57.40 (59.14928d)	Proper Motion Dec: -0.181 arcsec/yr						
			Equinox: J2000	Parallax: 0.0599"						
			Epoch of Position: 2010							
			Radial Velocity: +11.3 km/sec							
	Comments: Caph; Beta Cassiopeiae; F2IV; Delta Sct: 0.03V, 0.10101d									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(2) HD432	STIS/CCD, ACQ, F25ND5	MIRROR				0.1 Secs	
									[==>]	[1]
	Comments: C&K F2V, 6500,4; STIS.A316903; sat-time=22.5s									
	2		(2) HD432	STIS/CCD, ACQ/PEAK, 0.2X0.06	G430M				0.1 Secs	
					3936 A				[==>]	[1]
	Comments: C&K F2V, 6500,4; STIS.A316919; sat-time=1.2s									
	3		(2) HD432	STIS/NUV-MAMA, ACCUM, 0.2X0.05ND	E230M				800 Secs	
					2707 A				[==>]	[1]
	4		(2) HD432	STIS/NUV-MAMA, ACCUM, 0.2X0.05ND	E230M				1150 Secs X 2	
					1978 A				[==>(Copy 1)]	[1]
									[==>(Copy 2)]	
	5		(2) HD432	STIS/NUV-MAMA, ACCUM, 0.2X0.05ND	E230H				1400 Secs X 2	
					2513 A				[==>(Copy 1)]	[1]
									[==>(Copy 2)]	[2]
	6		(2) HD432	STIS/NUV-MAMA, ACCUM, 0.2X0.05ND	E230H				1400 Secs X 2	
					2762 A				[==>(Copy 1)]	[2]
									[==>(Copy 2)]	
	7		(2) HD432	STIS/CCD, ACQ/PEAK, 0.2X0.06	G430M				0.1 Secs	
					3936 A				[==>]	[3]
	Comments: C&K F2V, 6500,4; STIS.A316919; sat-time=1.2s									
	8		(2) HD432	STIS/FUV-MAMA, ACCUM, 0.2X0.09	E140H				1430 Secs X 3	
					1271 A				[==>(Copy 1)]	
									[==>(Copy 2)]	[3]
									[==>(Copy 3)]	
	9		(2) HD432	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M				1450 Secs X 3	
					1425 A				[==>(Copy 1)]	
									[==>(Copy 2)]	[4]
									[==>(Copy 3)]	

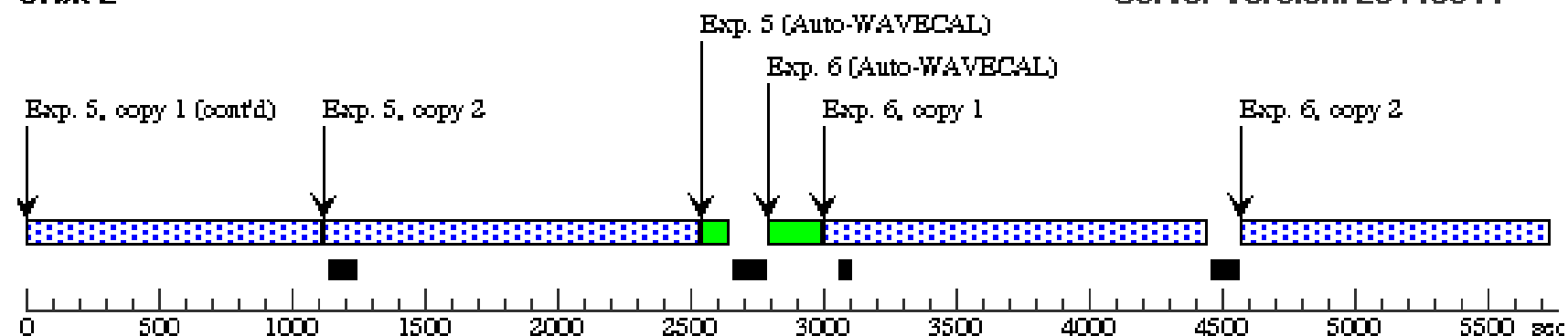
Orbit 1

Server Version: 20110811



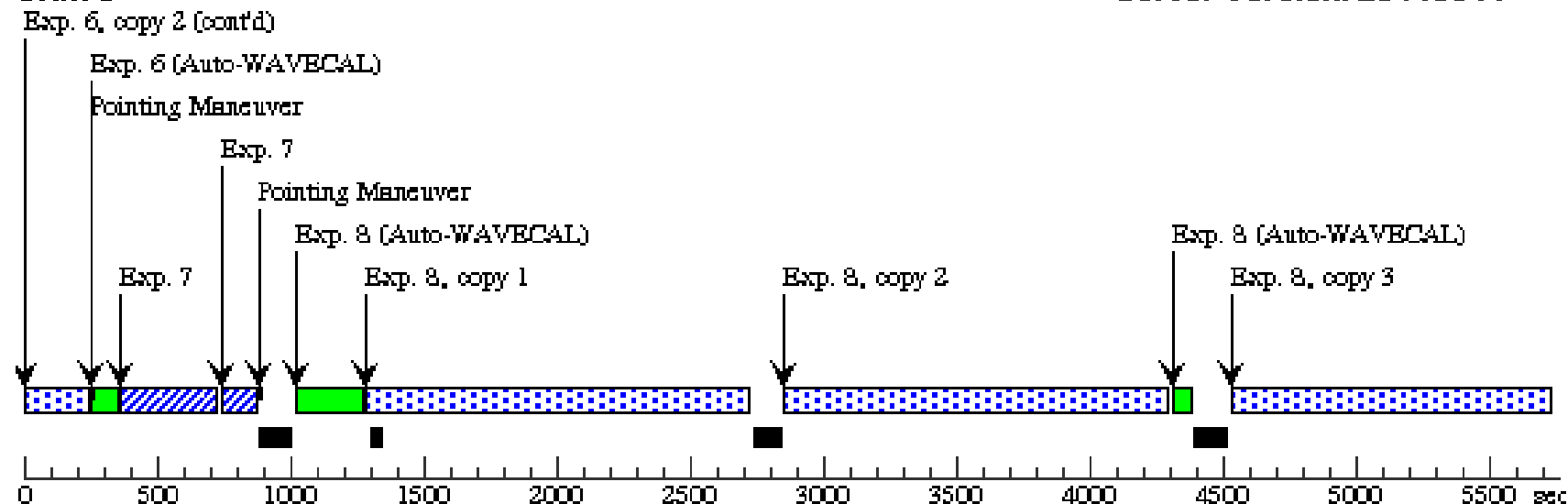
Orbit 2

Server Version: 20110811



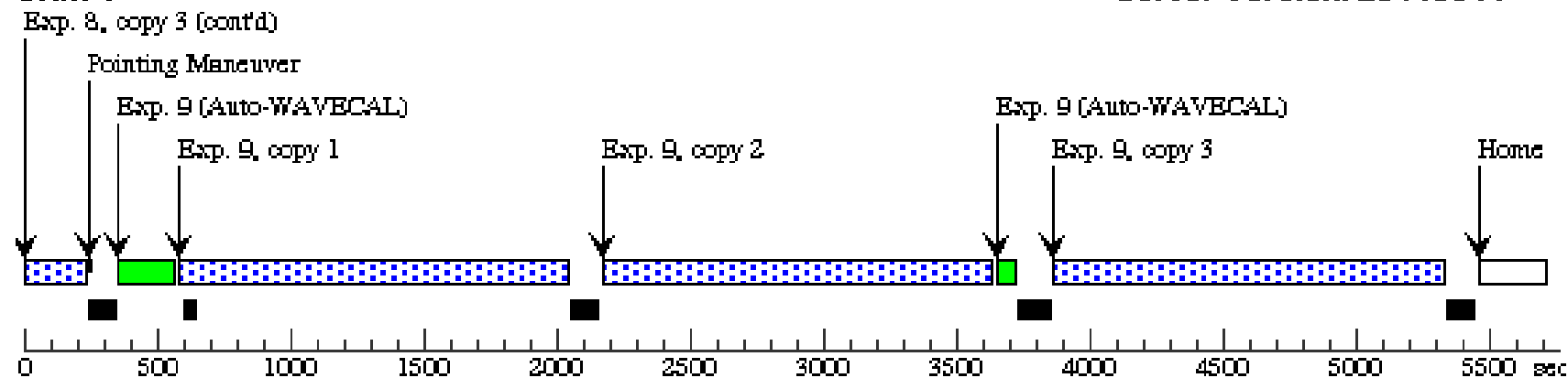
Orbit 3

Server Version: 20110811



Orbit 4

Server Version: 20110811

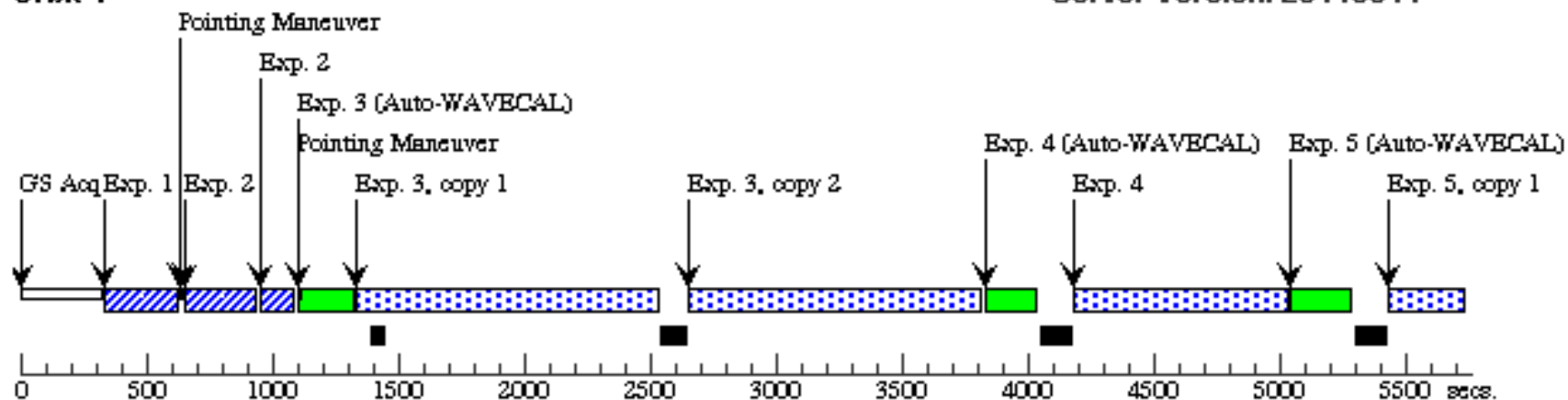


Proposal 12278 - Visit 22 - Advanced Spectral Library Project: Cool Stars

Visit	Proposal 12278, Visit 22, scheduling						Sat Aug 20 01:21:10 GMT 2011			
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA, STIS/NUV-MAMA									
	Special Requirements: CVZ									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	HD432	RA: 00 09 11.3655 (2.2973562d)	Proper Motion RA: +0.0681 sec of time/yr	V=+2.27+/-0.1	Reference Frame: ICRS				
		Alt Name1: BET-CAS	Dec: +59 08 57.40 (59.14928d)	Proper Motion Dec: -0.181 arcsec/yr						
			Equinox: J2000	Parallax: 0.0599"						
			Epoch of Position: 2010							
			Radial Velocity: +11.3 km/sec							
	Comments: Caph; Beta Cassiopeiae; F2IV; Delta Sct: 0.03V, 0.10101d									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(2) HD432	STIS/CCD, ACQ, F25ND5	MIRROR				0.1 Secs	
									[==>]	[1]
	Comments: C&K F2V, 6500,4; STIS.A316903; sat-time=22.5s									
	2		(2) HD432	STIS/CCD, ACQ/PEAK, 0.2X0.06	G430M				0.1 Secs	
					3936 A				[==>]	[1]
	Comments: C&K F2V, 6500,4; STIS.A316919; sat-time=1.2s									
	3		(2) HD432	STIS/NUV-MAMA, ACCUM, 0.2X0.05ND	E230M				1150 Secs X 2	
					1978 A				[==>(Copy 1)]	
									[==>(Copy 2)]	[1]
	4		(2) HD432	STIS/NUV-MAMA, ACCUM, 0.2X0.05ND	E230M				800 Secs	
					2707 A				[==>]	[1]
	5		(2) HD432	STIS/NUV-MAMA, ACCUM, 0.2X0.05ND	E230H				1400 Secs X 2	
					2762 A				[==>(Copy 1)]	[1]
									[==>(Copy 2)]	[2]
	6		(2) HD432	STIS/NUV-MAMA, ACCUM, 0.2X0.05ND	E230H				1400 Secs X 2	
					2513 A				[==>(Copy 1)]	
									[==>(Copy 2)]	[2]
	7		(2) HD432	STIS/CCD, ACQ/PEAK, 0.2X0.06	G430M				0.1 Secs	
					3936 A				[==>]	[3]
	Comments: C&K F2V, 6500,4; STIS.A316919; sat-time=1.2s									
	8		(2) HD432	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M				1450 Secs X 3	
					1425 A				[==>(Copy 1)]	
									[==>(Copy 2)]	
									[==>(Copy 3)]	[3]
	9		(2) HD432	STIS/FUV-MAMA, ACCUM, 0.2X0.09	E140H				1430 Secs X 3	
					1271 A				[==>(Copy 1)]	
									[==>(Copy 2)]	
									[==>(Copy 3)]	[4]

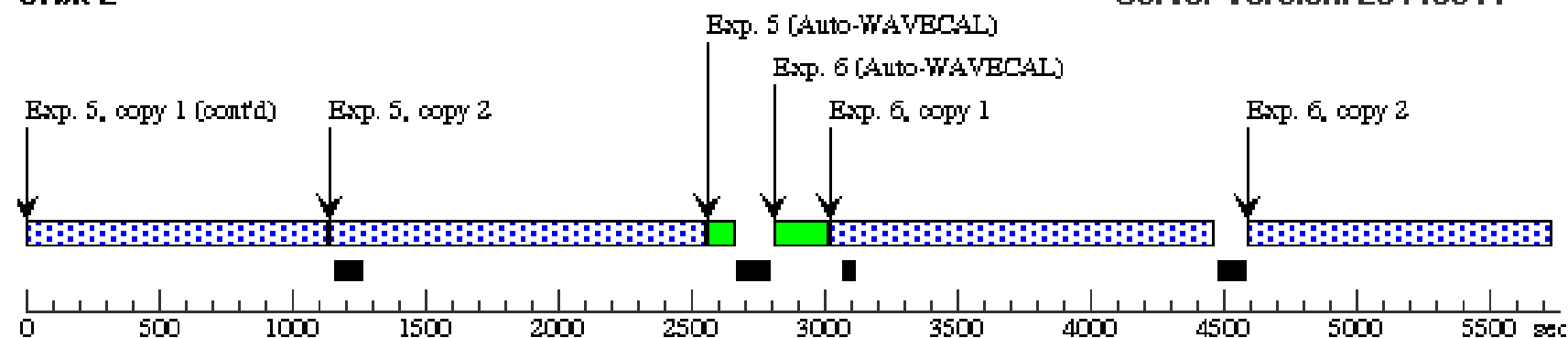
Orbit 1

Server Version: 20110811



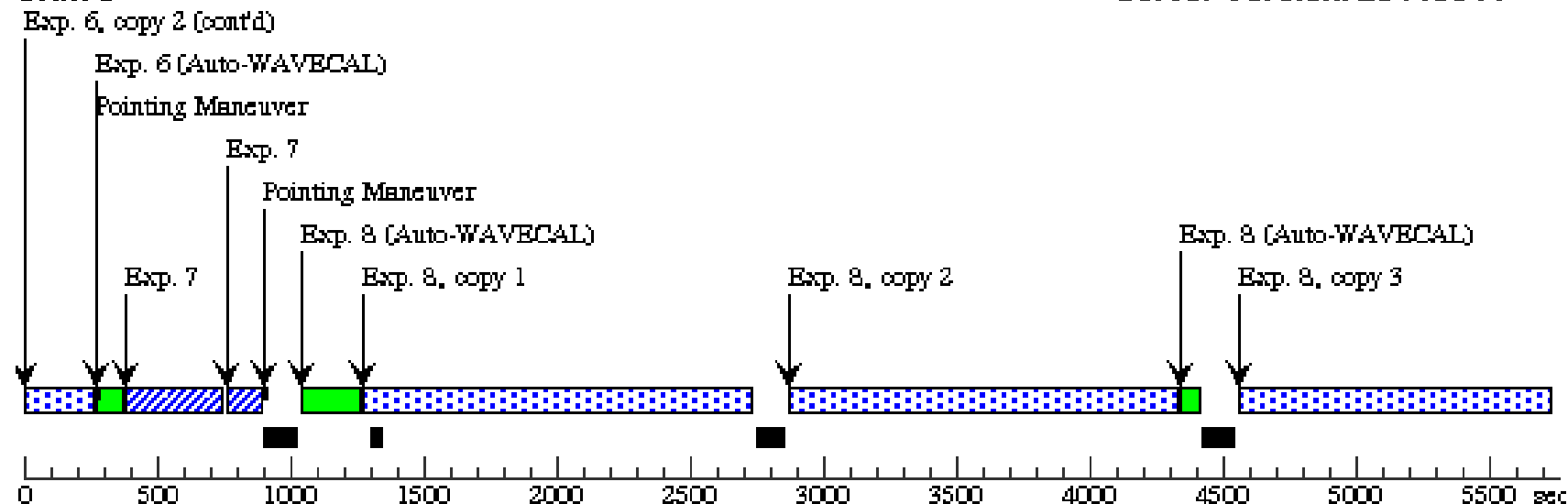
Orbit 2

Server Version: 20110811



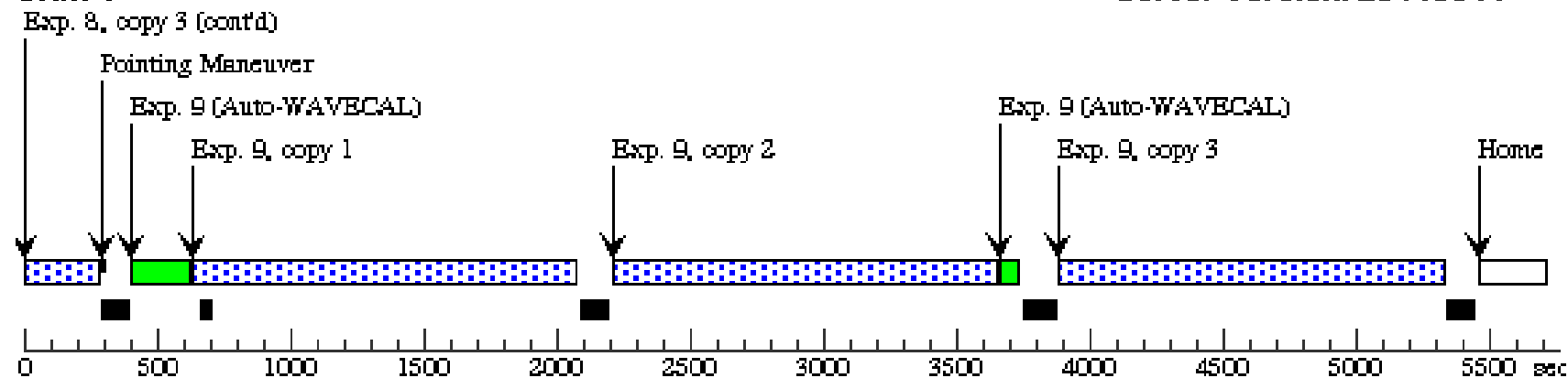
Orbit 3

Server Version: 20110811



Orbit 4

Server Version: 20110811

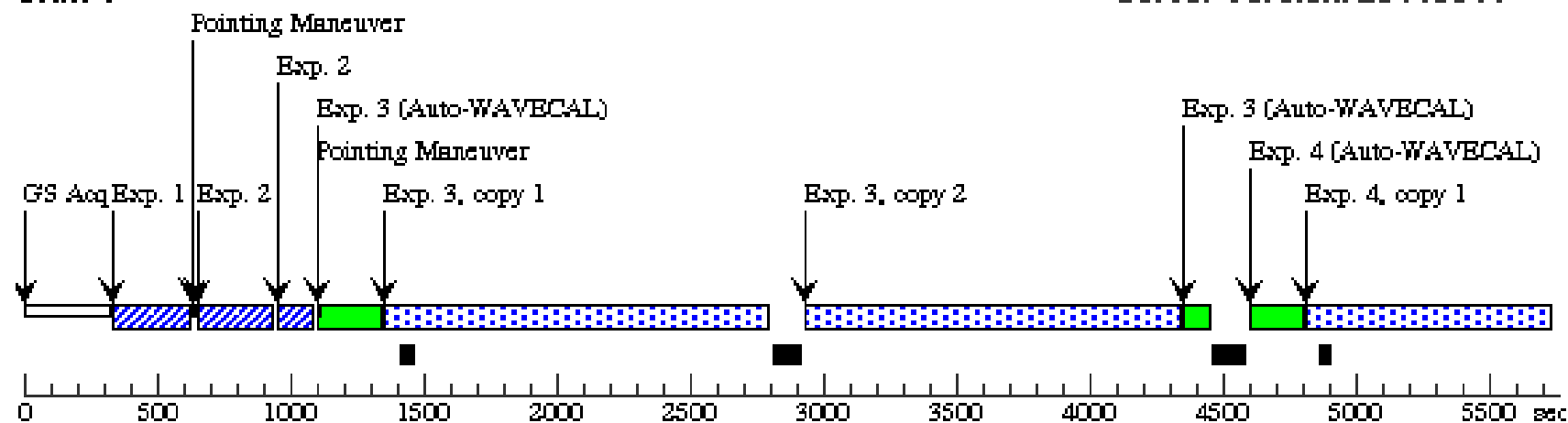


Proposal 12278 - Visit 23 - Advanced Spectral Library Project: Cool Stars

Visit	Proposal 12278, Visit 23, scheduling							Sat Aug 20 01:21:11 GMT 2011		
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA, STIS/NUV-MAMA									
	Special Requirements: CVZ									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	HD432	RA: 00 09 11.3655 (2.2973562d)	Proper Motion RA: +0.0681 sec of time/yr	V=+2.27+/-0.1	Reference Frame: ICRS				
		Alt Name1: BET-CAS	Dec: +59 08 57.40 (59.14928d)	Proper Motion Dec: -0.181 arcsec/yr						
			Equinox: J2000	Parallax: 0.0599"						
			Epoch of Position: 2010							
			Radial Velocity: +11.3 km/sec							
	Comments: Caph; Beta Cassiopeiae; F2IV; Delta Sct: 0.03V, 0.10101d									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(2) HD432	STIS/CCD, ACQ, F25ND5	MIRROR				0.1 Secs	
									[==>]	[1]
	Comments: C&K F2V, 6500,4; STIS.A316903; sat-time=22.5s									
	2		(2) HD432	STIS/CCD, ACQ/PEAK, 0.2X0.06	G430M				0.1 Secs	
					3936 A				[==>]	[1]
	Comments: C&K F2V, 6500,4; STIS.A316919; sat-time=1.2s									
	3		(2) HD432	STIS/NUV-MAMA, ACCUM, 0.2X0.05ND	E230H				1400 Secs X 2	
					2513 A				[==>(Copy 1)]	
									[==>(Copy 2)]	[1]
	4		(2) HD432	STIS/NUV-MAMA, ACCUM, 0.2X0.05ND	E230H				1400 Secs X 2	
					2762 A				[==>(Copy 1)]	[1]
									[==>(Copy 2)]	[2]
	5		(2) HD432	STIS/NUV-MAMA, ACCUM, 0.2X0.05ND	E230M				800 Secs	
					2707 A				[==>]	[2]
	6		(2) HD432	STIS/NUV-MAMA, ACCUM, 0.2X0.05ND	E230M				1150 Secs X 2	
					1978 A				[==>(Copy 1)]	
									[==>(Copy 2)]	[2]
	7		(2) HD432	STIS/CCD, ACQ/PEAK, 0.2X0.06	G430M				0.1 Secs	
					3936 A				[==>]	[3]
	Comments: C&K F2V, 6500,4; STIS.A316919; sat-time=1.2s									
	8		(2) HD432	STIS/FUV-MAMA, ACCUM, 0.2X0.09	E140H				1430 Secs X 3	
					1271 A				[==>(Copy 1)]	
									[==>(Copy 2)]	
									[==>(Copy 3)]	[3]
	9		(2) HD432	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M				1410 Secs X 3	
					1425 A				[==>(Copy 1)]	
									[==>(Copy 2)]	
									[==>(Copy 3)]	[4]

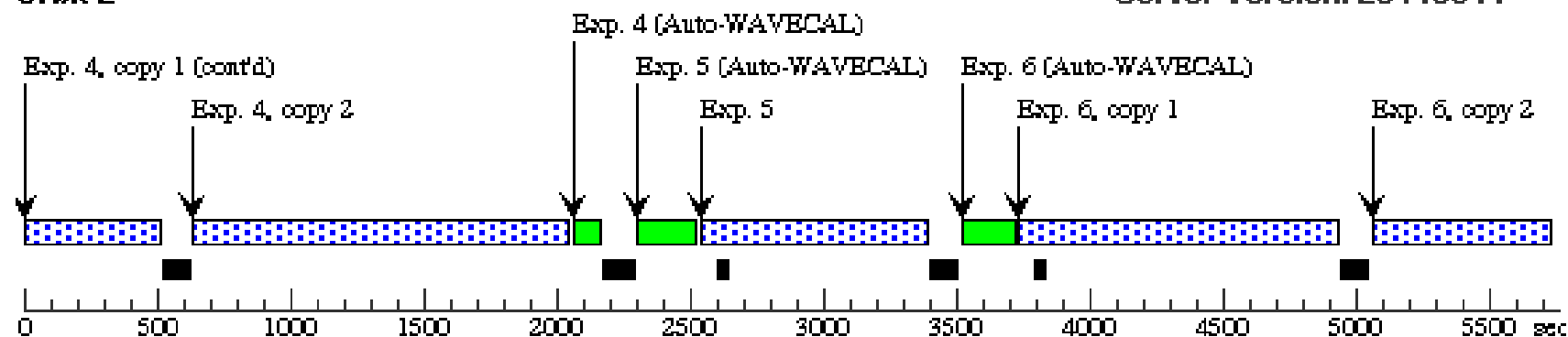
Orbit 1

Server Version: 20110811



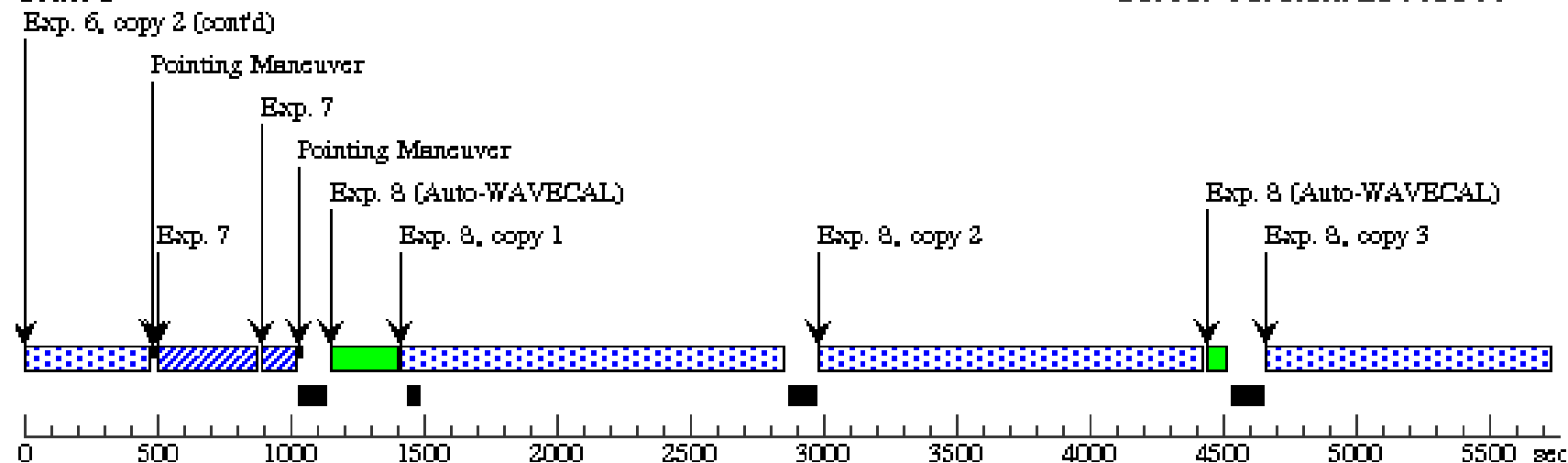
Orbit 2

Server Version: 20110811



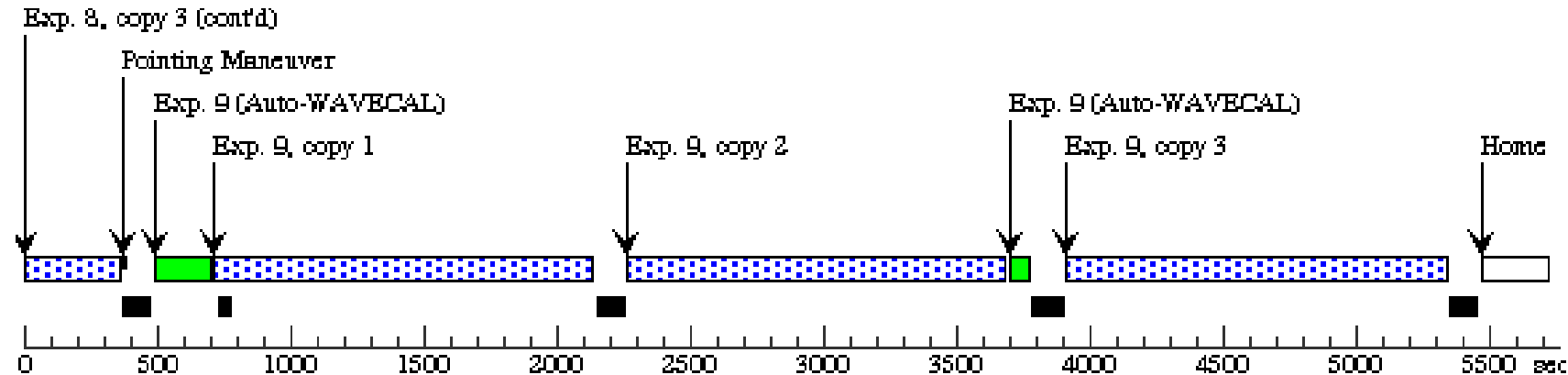
Orbit 3

Server Version: 20110811



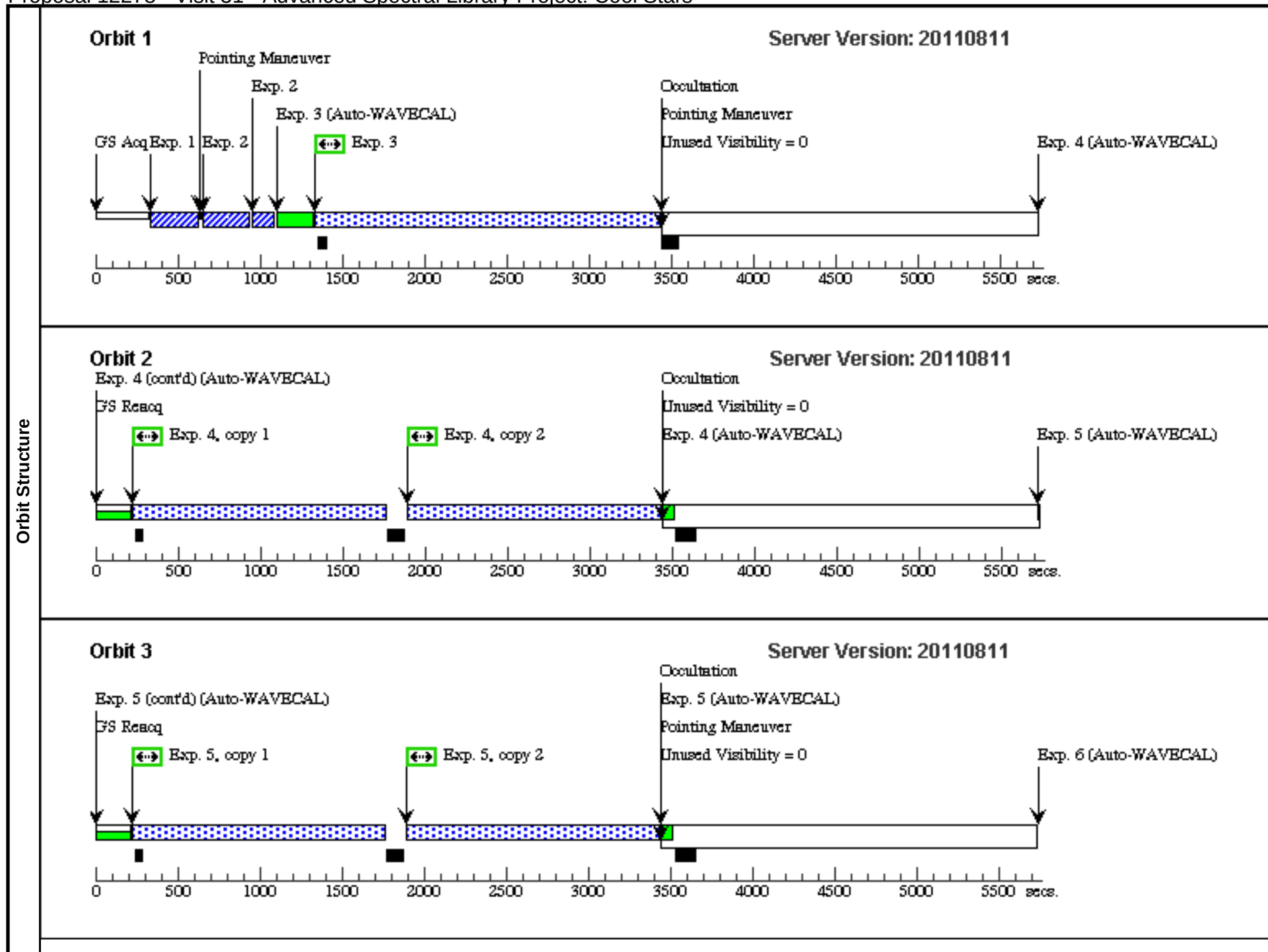
Orbit 4

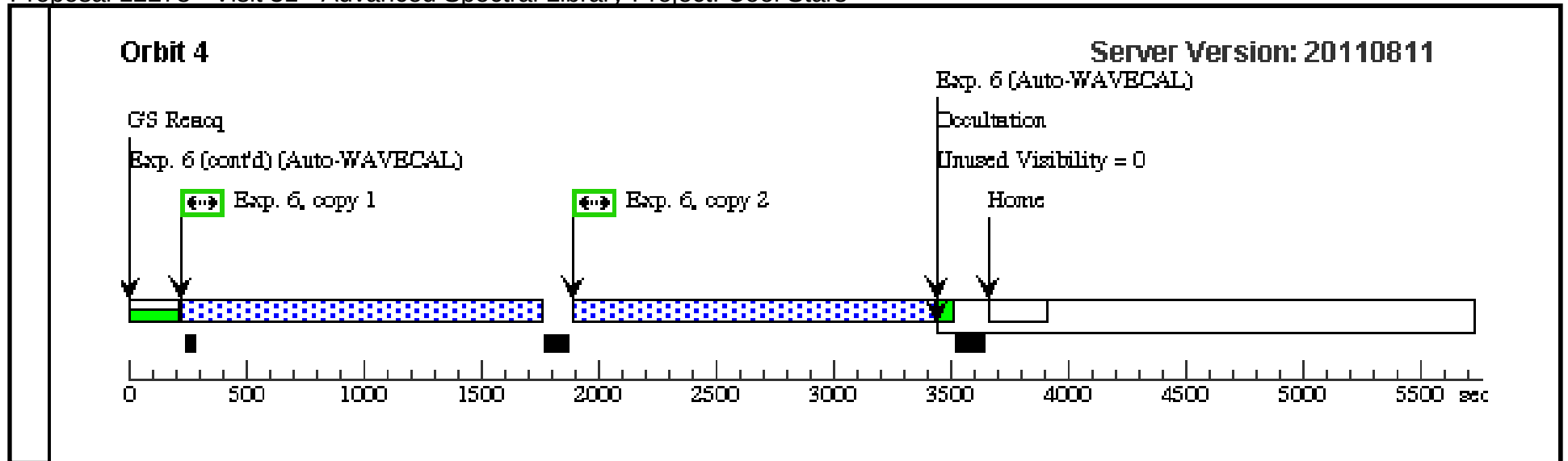
Server Version: 20110811



Proposal 12278 - Visit 31 - Advanced Spectral Library Project: Cool Stars

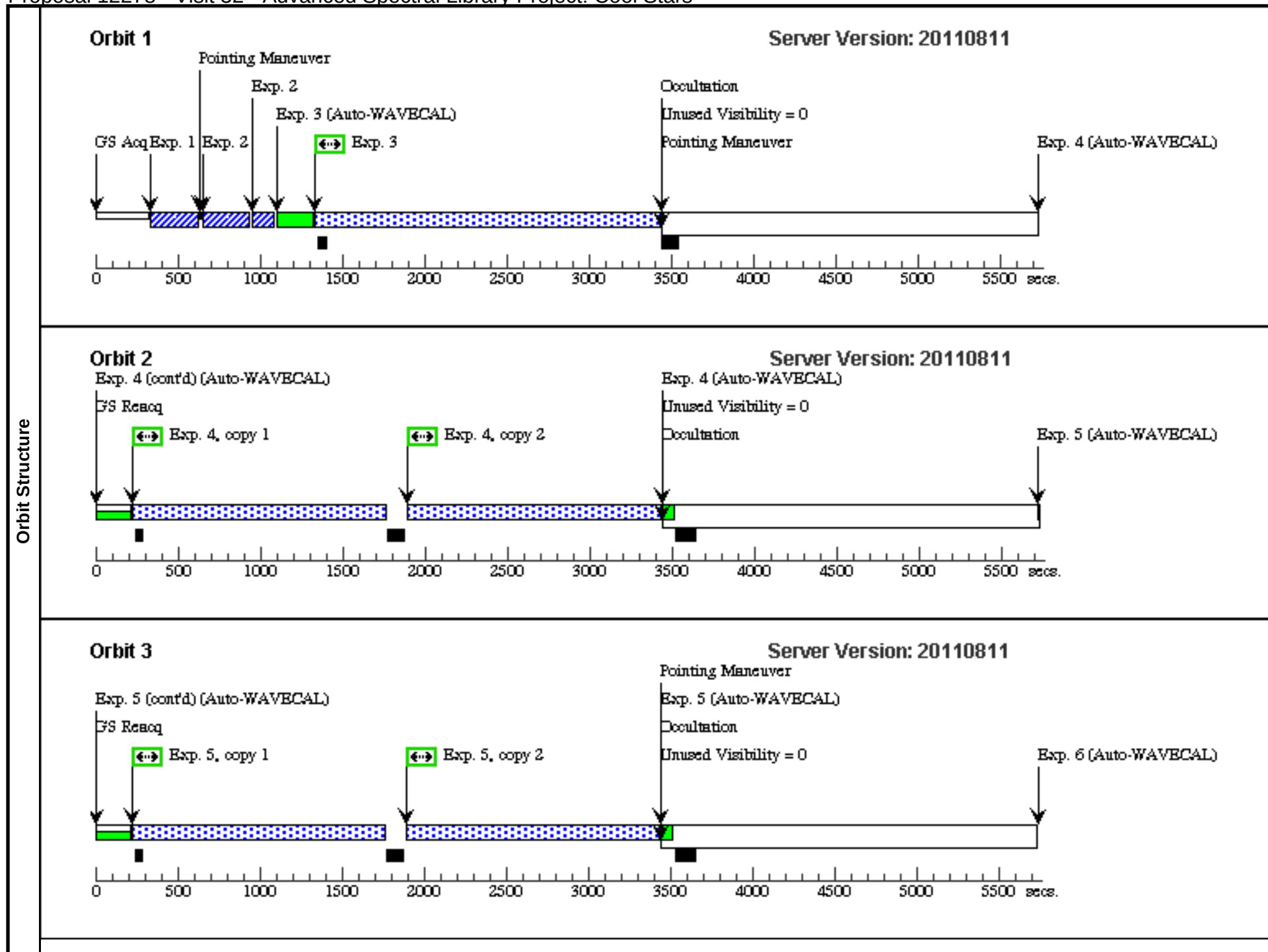
Visit	Proposal 12278, Visit 31, completed								Sat Aug 20 01:21:12 GMT 2011	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA, STIS/NUV-MAMA									
	Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(3)	HD164058	RA: 17 56 36.3608 (269.1515033d)	Proper Motion RA: -0.001 sec of time/yr		V=+2.23		Reference Frame: ICRS		
		Alt Name1: GAM-DRA	Dec: +51 29 19.79 (51.48883d)	Proper Motion Dec: -0.023 arcsec/yr						
			Equinox: J2000	Parallax: 0.022"						
			Epoch of Position: 2010							
			Radial Velocity: -27.91 km/sec							
	Comments: Etamin; Gamma Draconis; K5III									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(3) HD164058	STIS/CCD, ACQ, F25ND5	MIRROR				0.1 Secs	
									[==>]	[1]
	Comments: C&K K5III, 4000,1.5; STIS.A316905; sat-time=12.7s									
	2		(3) HD164058	STIS/CCD, ACQ/PEAK, 0.2X0.06	G430M				0.1 Secs	
					3936 A				[==>]	[1]
	Comments: C&K K5III, 4000,1.5; STIS.A316920; sat-time=6.3s									
	3		(3) HD164058	STIS/NUV-MAMA, ACCUM, 0.2X0.06	E230M				2081 Secs	
					1978 A				[==>]	[1]
	4		(3) HD164058	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H				1527 Secs X 2	
					2263 A				[==>(Copy 1)]	
									[==>(Copy 2)]	[2]
	5		(3) HD164058	STIS/FUV-MAMA, ACCUM, 0.2X0.09	E140H				1527 Secs X 2	
					1271 A				[==>(Copy 1)]	
									[==>(Copy 2)]	[3]
6		(3) HD164058	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M				1527 Secs X 2		
				1425 A				[==>(Copy 1)]		
								[==>(Copy 2)]	[4]	

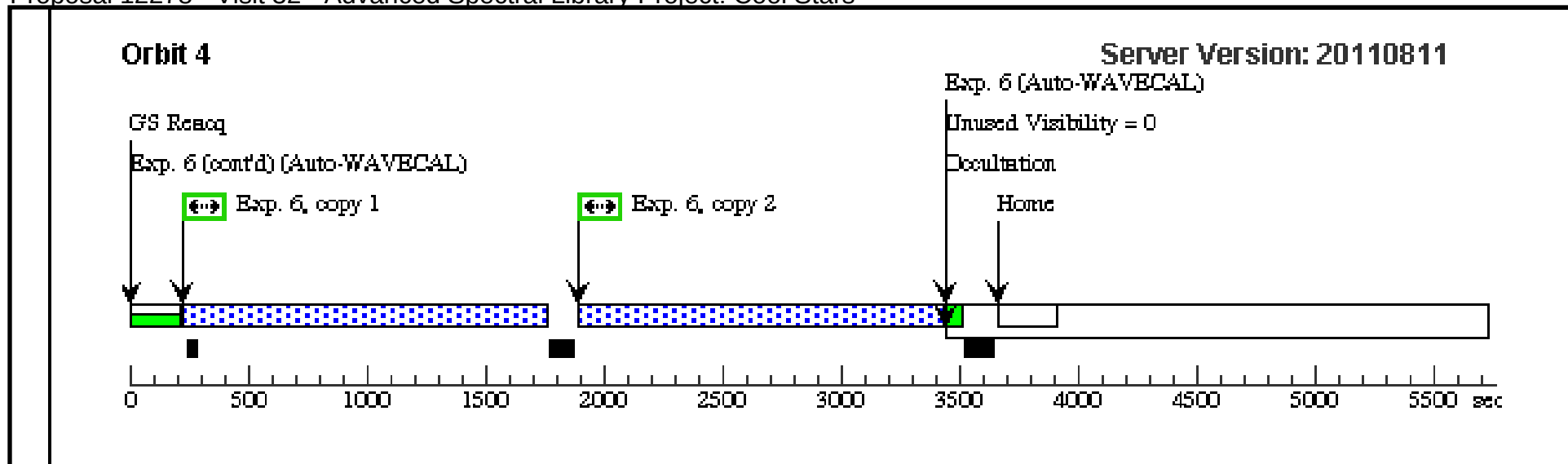




Proposal 12278 - Visit 32 - Advanced Spectral Library Project: Cool Stars

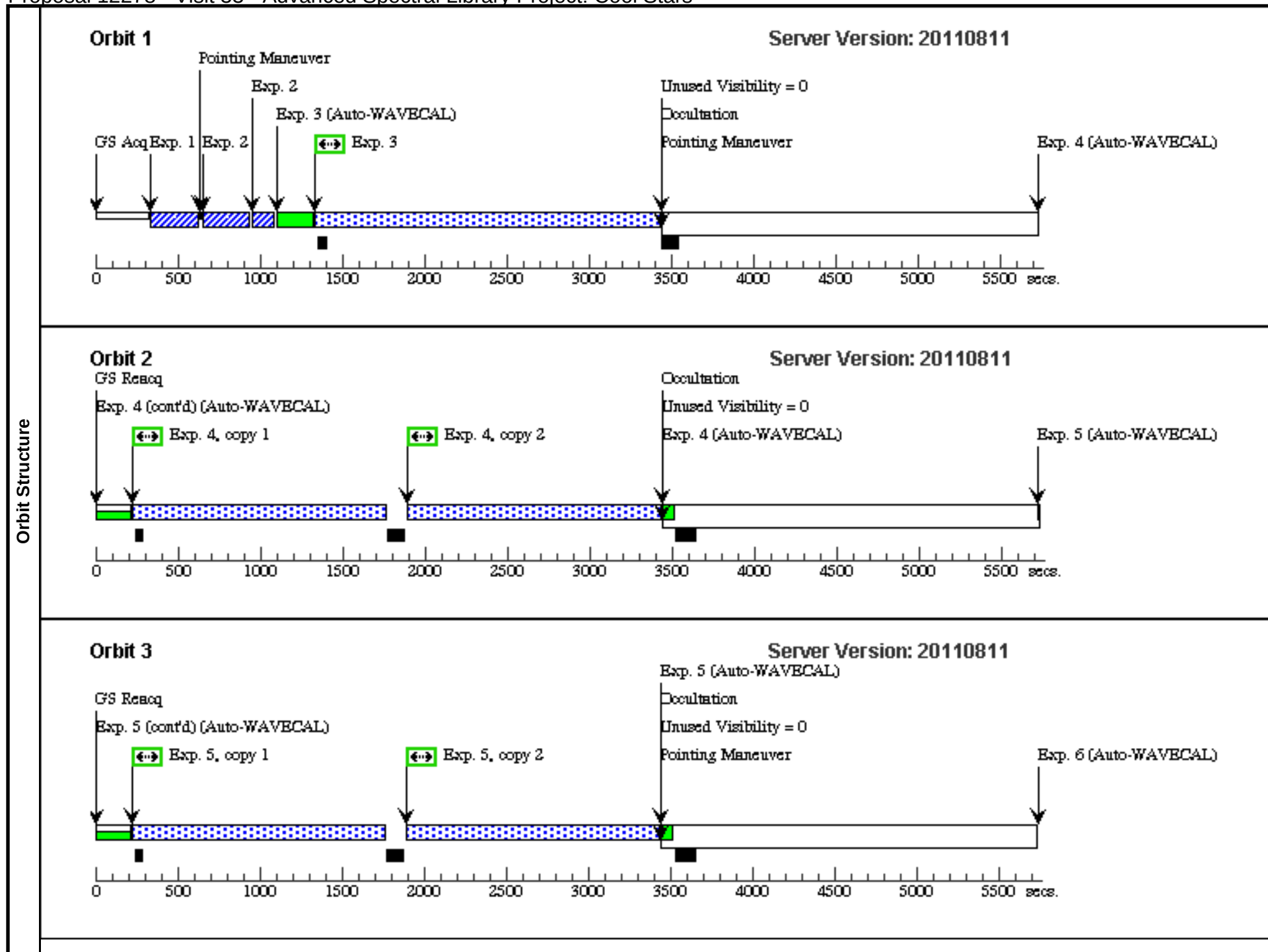
Visit	Proposal 12278, Visit 32, completed								Sat Aug 20 01:21:12 GMT 2011	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA, STIS/NUV-MAMA									
	Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	HD164058	RA: 17 56 36.3608 (269.1515033d)	Proper Motion RA: -0.001 sec of time/yr	V=+2.23	Reference Frame: ICRS				
		Alt Name1: GAM-DRA	Dec: +51 29 19.79 (51.48883d)	Proper Motion Dec: -0.023 arcsec/yr						
			Equinox: J2000	Parallax: 0.022"						
			Epoch of Position: 2010							
			Radial Velocity: -27.91 km/sec							
	Comments: Etamin; Gamma Draconis; K5III									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(3) HD164058	STIS/CCD, ACQ, F25ND5	MIRROR				0.1 Secs	
									[==>]	[1]
	Comments: C&K K5III, 4000,1.5; STIS.A316905; sat-time=12.7s									
	2		(3) HD164058	STIS/CCD, ACQ/PEAK, 0.2X0.06	G430M				0.1 Secs	
					3936 A				[==>]	[1]
	Comments: C&K K5III, 4000,1.5; STIS.A316920; sat-time=6.3s									
	3		(3) HD164058	STIS/NUV-MAMA, ACCUM, 0.2X0.06	E230M				2081 Secs	
					1978 A				[==>]	[1]
	4		(3) HD164058	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H				1527 Secs X 2	
					2513 A				[==>(Copy 1)]	[2]
									[==>(Copy 2)]	
	5		(3) HD164058	STIS/FUV-MAMA, ACCUM, 0.2X0.09	E140H				1527 Secs X 2	
					1271 A				[==>(Copy 1)]	[3]
									[==>(Copy 2)]	
	6		(3) HD164058	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M				1527 Secs X 2	
					1425 A				[==>(Copy 1)]	[4]
									[==>(Copy 2)]	





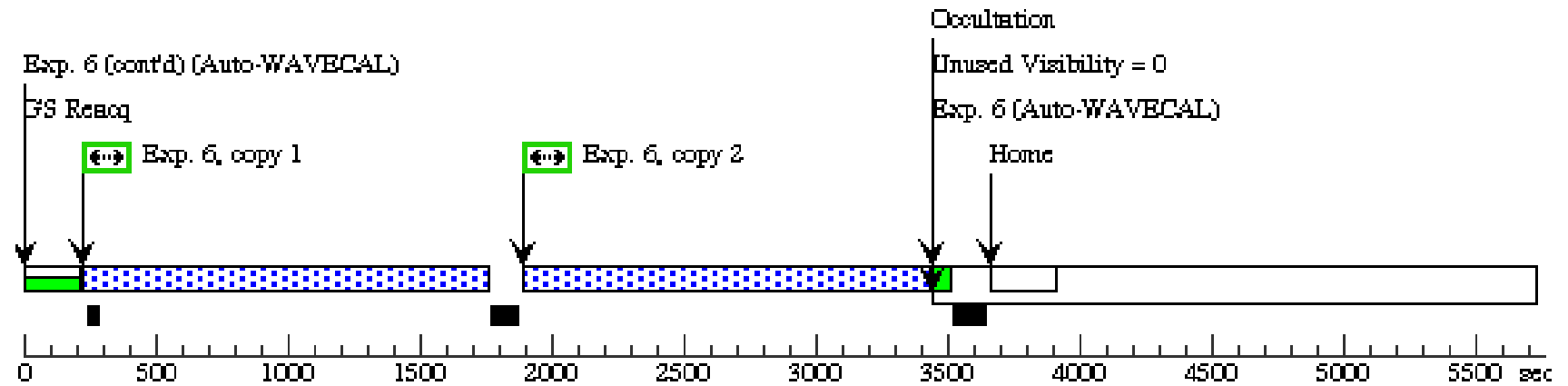
Proposal 12278 - Visit 33 - Advanced Spectral Library Project: Cool Stars

Visit	Proposal 12278, Visit 33, failed								Sat Aug 20 01:21:13 GMT 2011	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA, STIS/NUV-MAMA									
	Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	HD164058	RA: 17 56 36.3608 (269.1515033d)	Proper Motion RA: -0.001 sec of time/yr	V=+2.23	Reference Frame: ICRS				
		Alt Name1: GAM-DRA	Dec: +51 29 19.79 (51.48883d)	Proper Motion Dec: -0.023 arcsec/yr						
			Equinox: J2000	Parallax: 0.022"						
			Epoch of Position: 2010							
			Radial Velocity: -27.91 km/sec							
	Comments: Etamin; Gamma Draconis; K5III									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(3) HD164058	STIS/CCD, ACQ, F25ND5	MIRROR				0.1 Secs	
									[==>]	[1]
	Comments: C&K K5III, 4000,1.5; STIS.A316905; sat-time=12.7s									
	2		(3) HD164058	STIS/CCD, ACQ/PEAK, 0.2X0.06	G430M				0.1 Secs	
					3936 A				[==>]	[1]
	Comments: C&K K5III, 4000,1.5; STIS.A316920; sat-time=6.3s									
	3		(3) HD164058	STIS/NUV-MAMA, ACCUM, 0.2X0.06	E230M				2081 Secs	
					1978 A				[==>]	[1]
	4		(3) HD164058	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H				1527 Secs X 2	
					2762 A				[==>(Copy 1)]	
									[==>(Copy 2)]	[2]
	5		(3) HD164058	STIS/FUV-MAMA, ACCUM, 0.2X0.09	E140H				1527 Secs X 2	
					1271 A				[==>(Copy 1)]	
									[==>(Copy 2)]	[3]
6		(3) HD164058	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M				1527 Secs X 2		
				1425 A				[==>(Copy 1)]		
								[==>(Copy 2)]	[4]	



Orbit 4

Server Version: 20110811

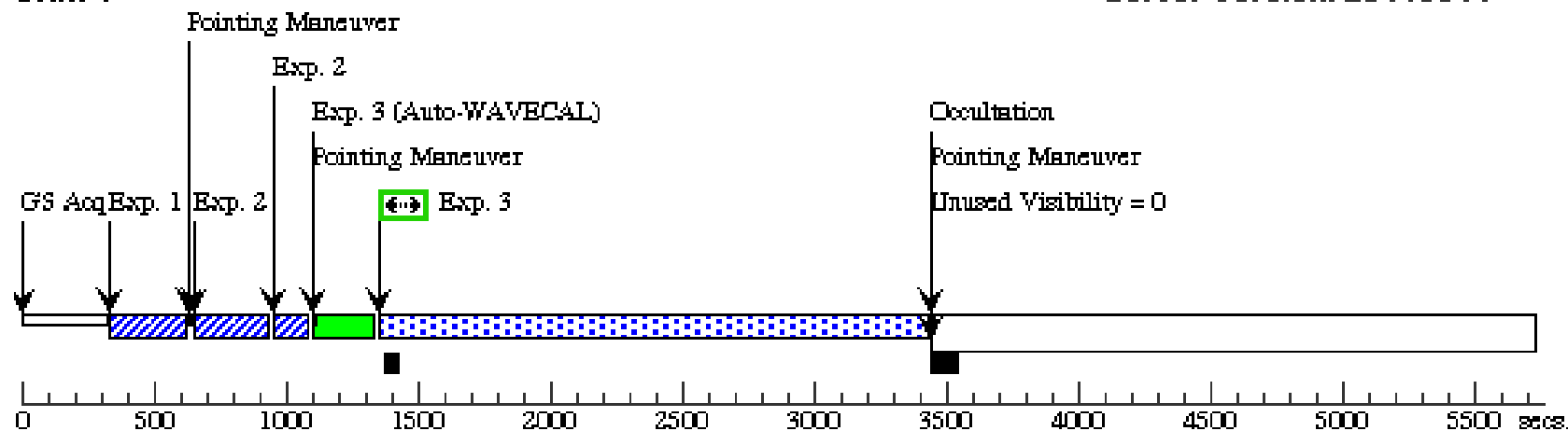


Proposal 12278 - Visit 34 - Advanced Spectral Library Project: Cool Stars

Visit	Proposal 12278, Visit 34, scheduling								Sat Aug 20 01:21:14 GMT 2011	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA, STIS/NUV-MAMA									
	Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	HD164058	RA: 17 56 36.3608 (269.1515033d)	Proper Motion RA: -0.001 sec of time/yr	V=+2.23	Reference Frame: ICRS				
		Alt Name1: GAM-DRA	Dec: +51 29 19.79 (51.48883d)	Proper Motion Dec: -0.023 arcsec/yr						
			Equinox: J2000	Parallax: 0.022"						
			Epoch of Position: 2010							
			Radial Velocity: -27.91 km/sec							
	Comments: Etamin; Gamma Draconis; K5III									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(3) HD164058	STIS/CCD, ACQ, F25ND5	MIRROR				0.1 Secs	
									[==>]	[1]
	Comments: C&K K5III, 4000,1.5; STIS.A316905; sat-time=12.7s									
	2		(3) HD164058	STIS/CCD, ACQ/PEAK, 0.2X0.06	G430M				0.1 Secs	
					3936 A				[==>]	[1]
	Comments: C&K K5III, 4000,1.5; STIS.A316920; sat-time=6.3s									
	3		(3) HD164058	STIS/NUV-MAMA, ACCUM, 0.2X0.2	E230M				2065 Secs	
					2707 A				[==>]	[1]
	4		(3) HD164058	STIS/NUV-MAMA, ACCUM, 0.2X0.06	E230M				1527 Secs X 2	
					1978 A				[==>(Copy 1)]	[2]
									[==>(Copy 2)]	
	5		(3) HD164058	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H				1527 Secs X 2	
					2263 A				[==>(Copy 1)]	[3]
									[==>(Copy 2)]	
	6		(3) HD164058	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M				1527 Secs X 2	
					1425 A				[==>(Copy 1)]	[4]
									[==>(Copy 2)]	

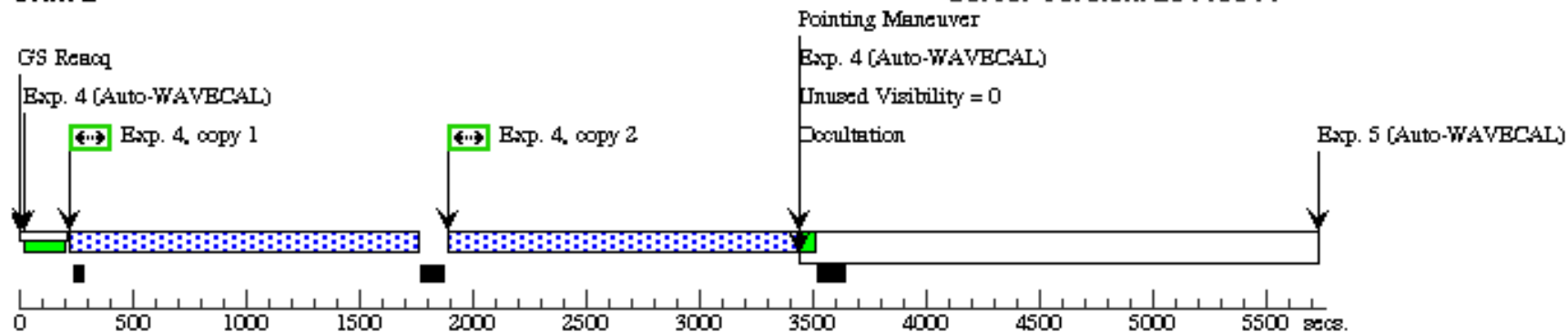
Orbit 1

Server Version: 20110811



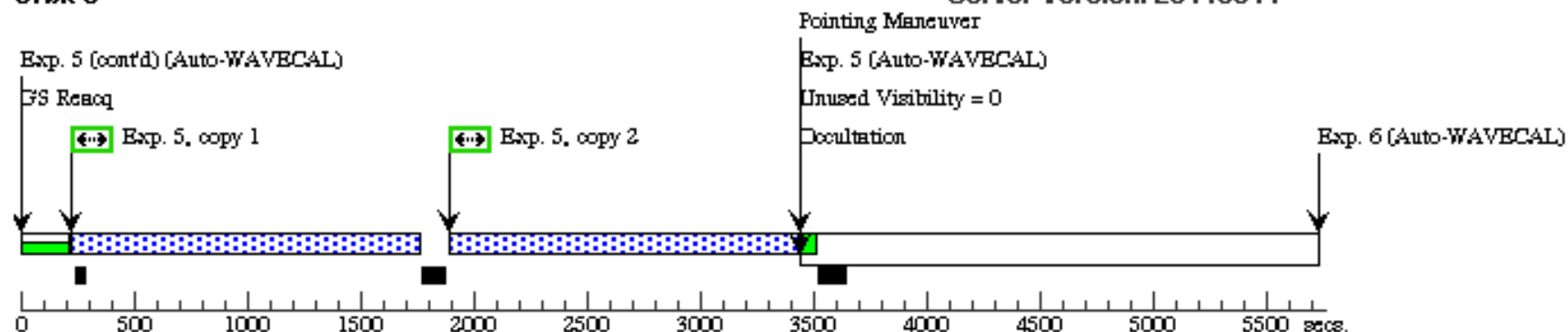
Orbit 2

Server Version: 20110811



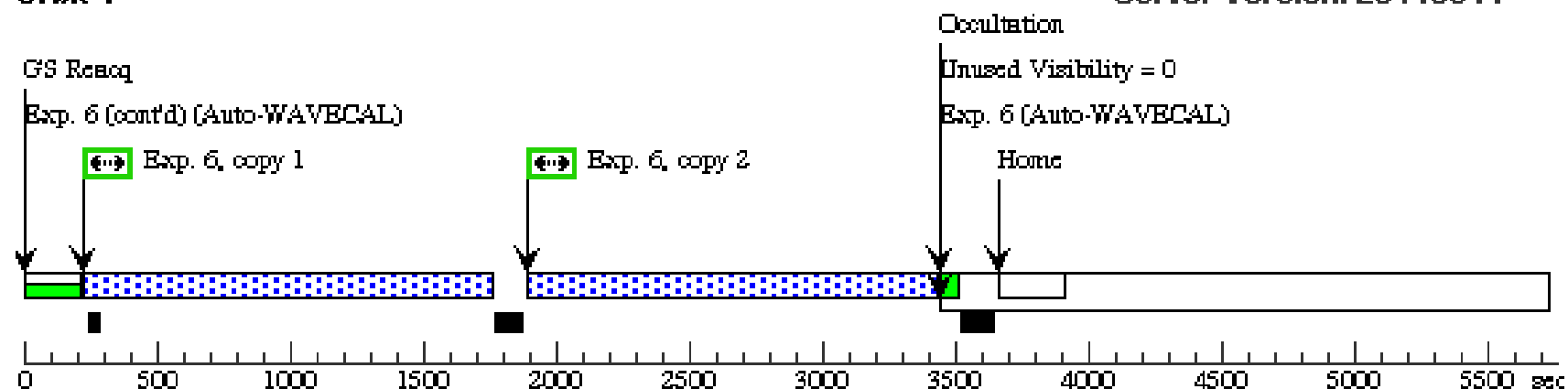
Orbit 3

Server Version: 20110811



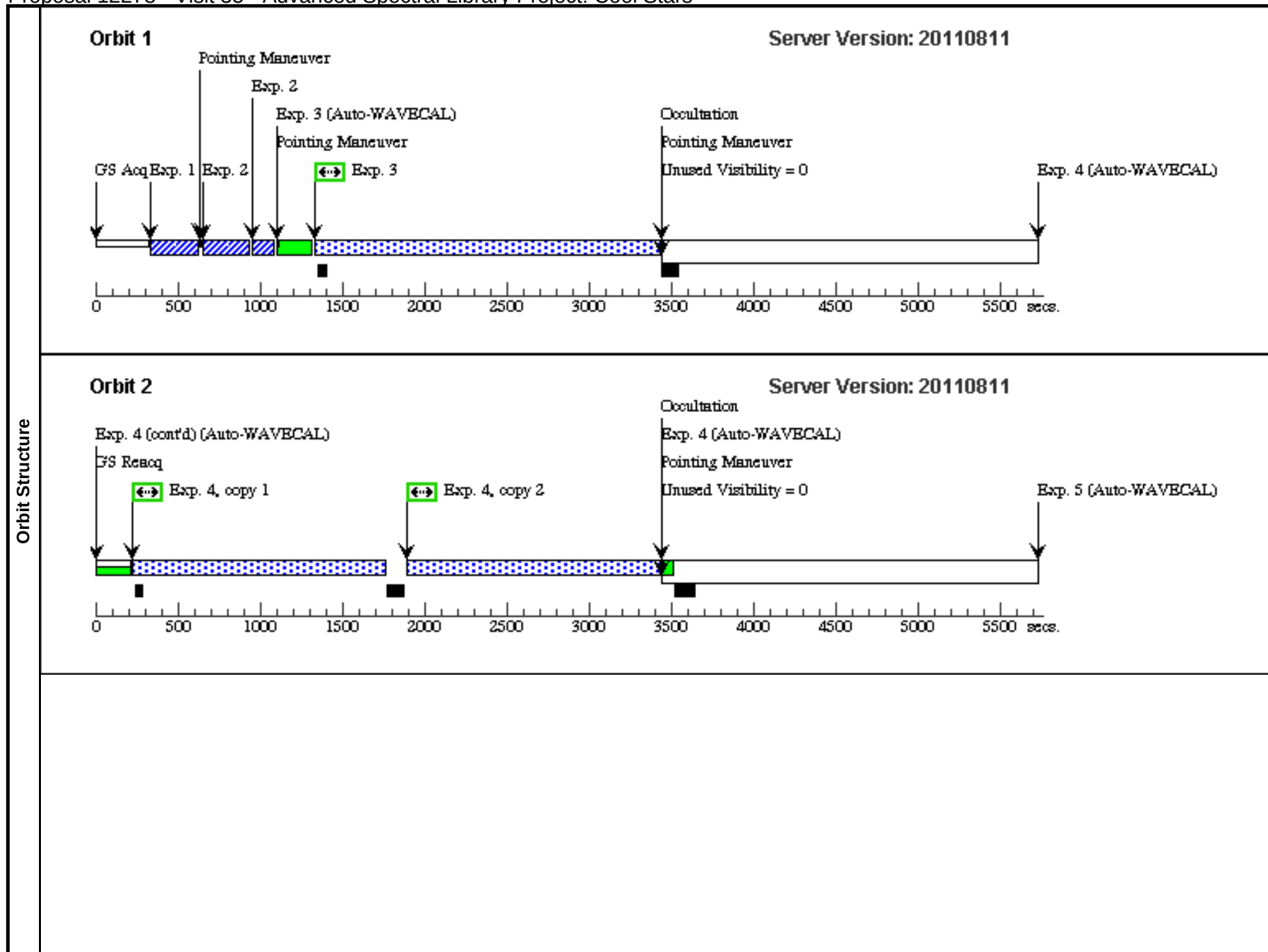
Orbit 4

Server Version: 20110811



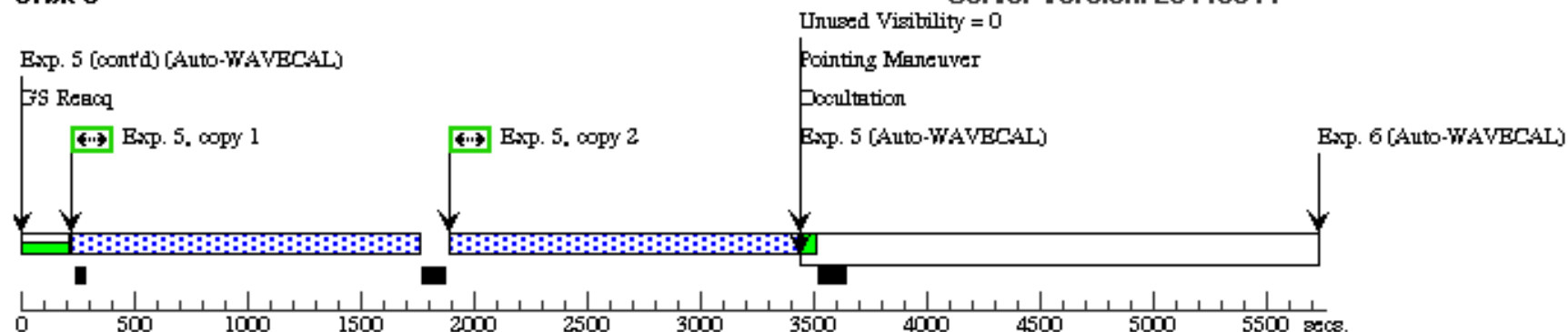
Proposal 12278 - Visit 35 - Advanced Spectral Library Project: Cool Stars

Visit	Proposal 12278, Visit 35, completed						Sat Aug 20 01:21:14 GMT 2011			
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA, STIS/NUV-MAMA									
	Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	HD164058	RA: 17 56 36.3608 (269.1515033d)	Proper Motion RA: -0.001 sec of time/yr	V=+2.23	Reference Frame: ICRS				
		Alt Name1: GAM-DRA	Dec: +51 29 19.79 (51.48883d)	Proper Motion Dec: -0.023 arcsec/yr						
			Equinox: J2000	Parallax: 0.022"						
			Epoch of Position: 2010							
			Radial Velocity: -27.91 km/sec							
	Comments: Etamin; Gamma Draconis; K5III									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(3) HD164058	STIS/CCD, ACQ, F25ND5	MIRROR				0.1 Secs	
									[==>]	[1]
	Comments: C&K K5III, 4000,1.5; STIS.A316905; sat-time=12.7s									
	2		(3) HD164058	STIS/CCD, ACQ/PEAK, 0.2X0.06	G430M				0.1 Secs	
					3936 A				[==>]	[1]
	Comments: C&K K5III, 4000,1.5; STIS.A316920; sat-time=6.3s									
	3		(3) HD164058	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M				2085 Secs	
					1425 A				[==>]	[1]
	4		(3) HD164058	STIS/NUV-MAMA, ACCUM, 0.2X0.06	E230M				1527 Secs X 2	
					1978 A				[==>(Copy 1)]	
									[==>(Copy 2)]	[2]
	5		(3) HD164058	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H				1527 Secs X 2	
					2513 A				[==>(Copy 1)]	
									[==>(Copy 2)]	[3]
6		(3) HD164058	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M				1527 Secs X 2		
				1425 A				[==>(Copy 1)]		
								[==>(Copy 2)]	[4]	



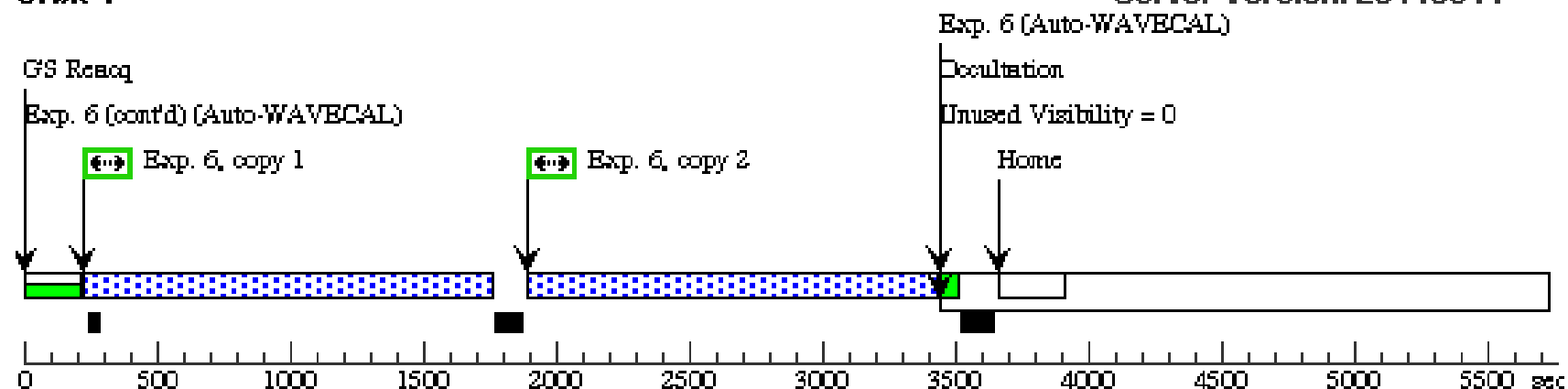
Orbit 3

Server Version: 20110811



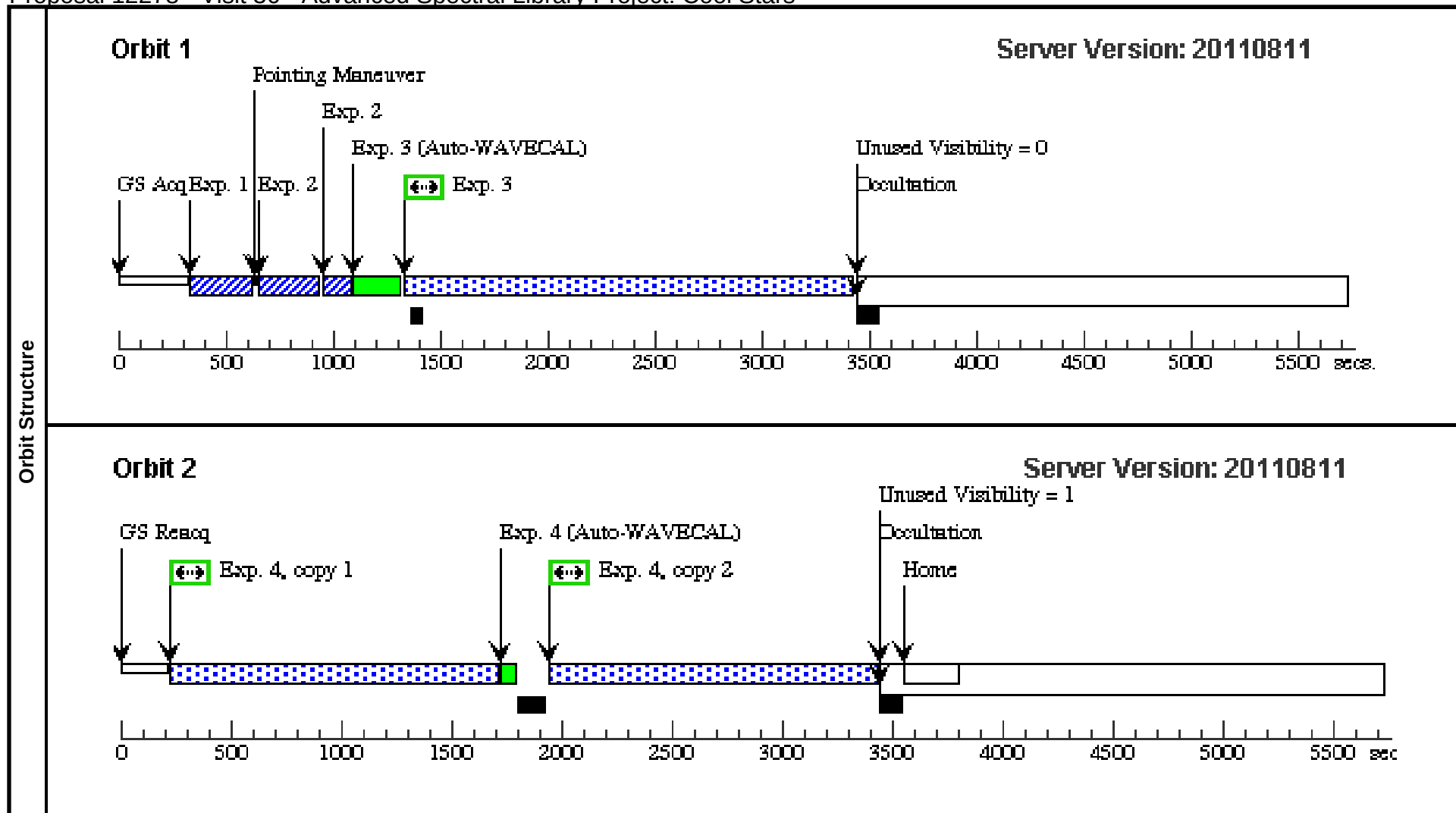
Orbit 4

Server Version: 20110811



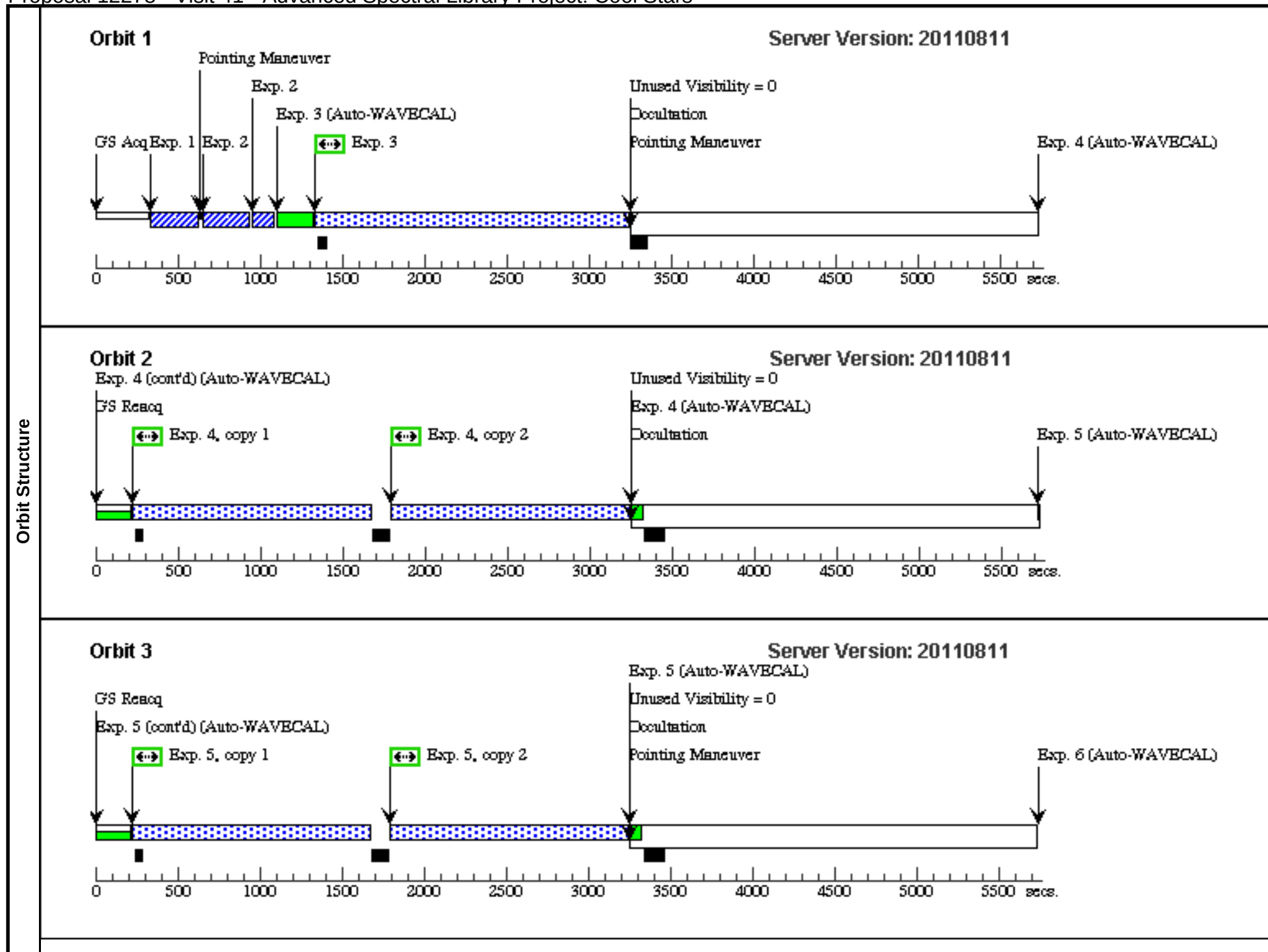
Proposal 12278 - Visit 36 - Advanced Spectral Library Project: Cool Stars

Visit	Proposal 12278, Visit 36, implementation								Sat Aug 20 01:21:15 GMT 2011	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA									
	Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	HD164058	RA: 17 56 36.3608 (269.1515033d)	Proper Motion RA: -0.001 sec of time/yr	V=+2.23	Reference Frame: ICRS				
		Alt Name1: GAM-DRA	Dec: +51 29 19.79 (51.48883d)	Proper Motion Dec: -0.023 arcsec/yr						
			Equinox: J2000	Parallax: 0.022"						
			Epoch of Position: 2010							
			Radial Velocity: -27.91 km/sec							
	Comments: Etamin; Gamma Draconis; K5III									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(3) HD164058	STIS/CCD, ACQ, F25ND5	MIRROR				0.1 Secs	
									[==>]	[1]
	Comments: C&K K5III, 4000,1.5; STIS.A316905; sat-time=12.7s									
	2		(3) HD164058	STIS/CCD, ACQ/PEAK, 0.2X0.09	G430M				0.1 Secs	
					3936 A				[==>]	[1]
	Comments: C&K K5III, 4000,1.5; STIS.A316920; sat-time=6.3s									
	3		(3) HD164058	STIS/FUV-MAMA, ACCUM, 0.2X0.09	E140H				2079 Secs	
					1271 A				[==>]	[1]
	4		(3) HD164058	STIS/FUV-MAMA, ACCUM, 0.2X0.09	E140H				1471 Secs X 2	
				1271 A				[==>(Copy 1)]		
								[==>(Copy 2)]	[2]	



Proposal 12278 - Visit 41 - Advanced Spectral Library Project: Cool Stars

Visit	Proposal 12278, Visit 41, failed								Sat Aug 20 01:21:16 GMT 2011	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA, STIS/NUV-MAMA									
	Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(4)	HD62509	RA: 07 45 18.4778 (116.3269908d)	Proper Motion RA: -0.0472 sec of time/yr	V=+1.15+/-0.1	Reference Frame: ICRS				
		Alt Name1: BET-GEM	Dec: +28 01 33.86 (28.02607d)	Proper Motion Dec: -0.0450 arcsec/yr						
			Equinox: J2000	Epoch of Position: 2010						
	Comments: Pollux; Beta Geminorum; K0IIIb									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(4) HD62509	STIS/CCD, ACQ, F25ND5	MIRROR				0.1 Secs	
									[==>]	[1]
	Comments: C&K K0III, 4750,2.0; STIS.A316906; sat-time=6.2s									
	2		(4) HD62509	STIS/CCD, ACQ/PEAK, 0.2X0.06	G430M				0.1 Secs	
					3936 A				[==>]	[1]
	Comments: C&K K0III, 4750,2.0; STIS.A316922; sat-time=1.3s									
	3		(4) HD62509	STIS/NUV-MAMA, ACCUM, 0.2X0.06	E230M				1893 Secs	
					1978 A				[==>]	[1]
	4		(4) HD62509	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H				1433 Secs X 2	
					2263 A				[==>(Copy 1)]	
									[==>(Copy 2)]	[2]
	5		(4) HD62509	STIS/FUV-MAMA, ACCUM, 0.2X0.09	E140H				1433 Secs X 2	
					1271 A				[==>(Copy 1)]	
									[==>(Copy 2)]	[3]
	6		(4) HD62509	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M				1433 Secs X 2	
					1425 A				[==>(Copy 1)]	
									[==>(Copy 2)]	[4]



Orbit 4

Server Version: 20110811

Exp. 6 (cont'd) (Auto-WAVECAL)

Exp. 6 (Auto-WAVECAL)

Unused Visibility = 0

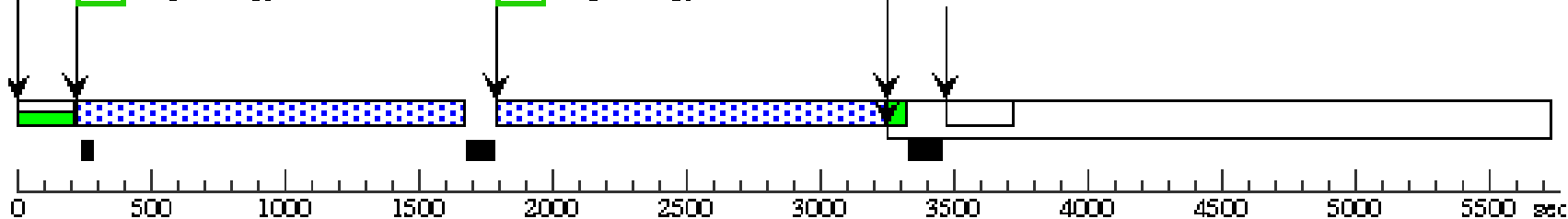
FS Reseq

Occultation

Exp. 6, copy 1

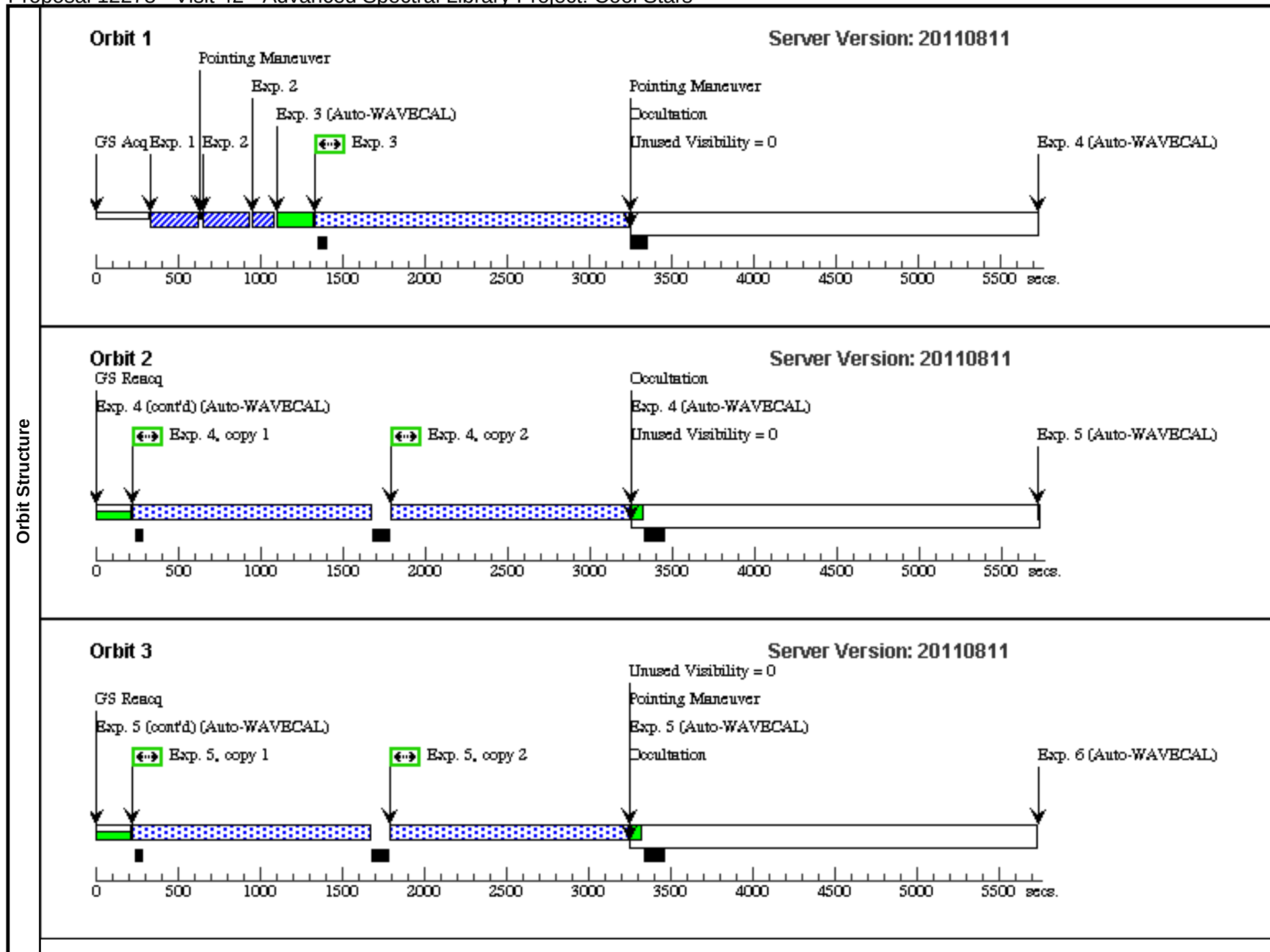
Exp. 6, copy 2

Home



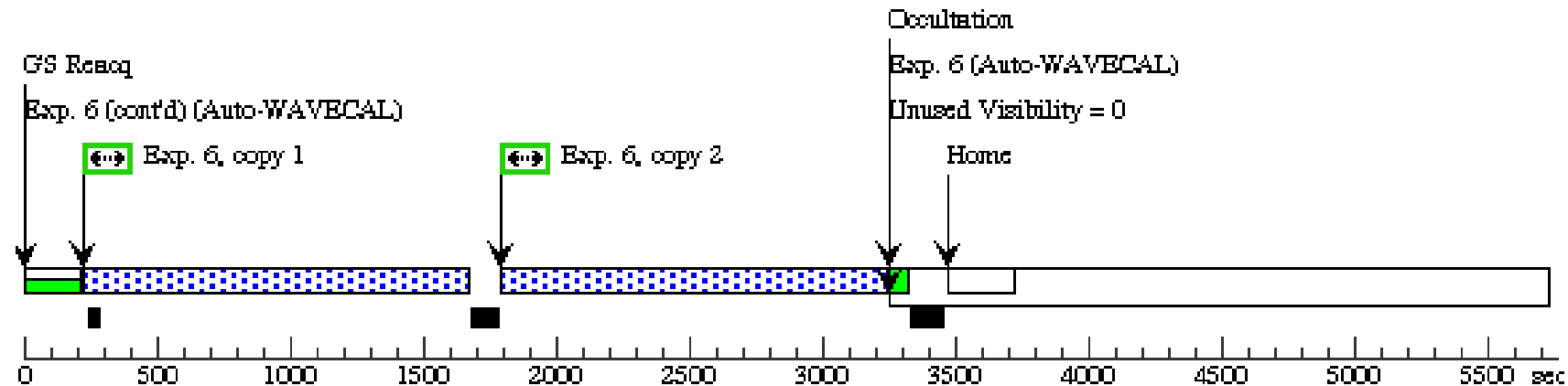
Proposal 12278 - Visit 42 - Advanced Spectral Library Project: Cool Stars

Visit	Proposal 12278, Visit 42, completed								Sat Aug 20 01:21:17 GMT 2011	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA, STIS/NUV-MAMA									
	Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(4)	HD62509	RA: 07 45 18.4778 (116.3269908d)	Proper Motion RA: -0.0472 sec of time/yr	V=+1.15+/-0.1	Reference Frame: ICRS				
		Alt Name1: BET-GEM	Dec: +28 01 33.86 (28.02607d)	Proper Motion Dec: -0.0450 arcsec/yr						
			Equinox: J2000	Epoch of Position: 2010						
	Comments: Pollux; Beta Geminorum; K0IIIb									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(4) HD62509	STIS/CCD, ACQ, F25ND5	MIRROR				0.1 Secs	
									[==>]	[1]
	Comments: C&K K0III, 4750,2.0; STIS.A316906; sat-time=6.2s									
	2		(4) HD62509	STIS/CCD, ACQ/PEAK, 0.2X0.06	G430M				0.1 Secs	
					3936 A				[==>]	[1]
	Comments: C&K K0III, 4750,2.0; STIS.A316922; sat-time=1.3s									
	3		(4) HD62509	STIS/NUV-MAMA, ACCUM, 0.2X0.06	E230M				1893 Secs	
					1978 A				[==>]	[1]
	4		(4) HD62509	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H				1433 Secs X 2	
					2513 A				[==>(Copy 1)]	[2]
									[==>(Copy 2)]	
	5		(4) HD62509	STIS/FUV-MAMA, ACCUM, 0.2X0.09	E140H				1433 Secs X 2	
					1271 A				[==>(Copy 1)]	[3]
									[==>(Copy 2)]	
	6		(4) HD62509	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M				1433 Secs X 2	
					1425 A				[==>(Copy 1)]	[4]
									[==>(Copy 2)]	



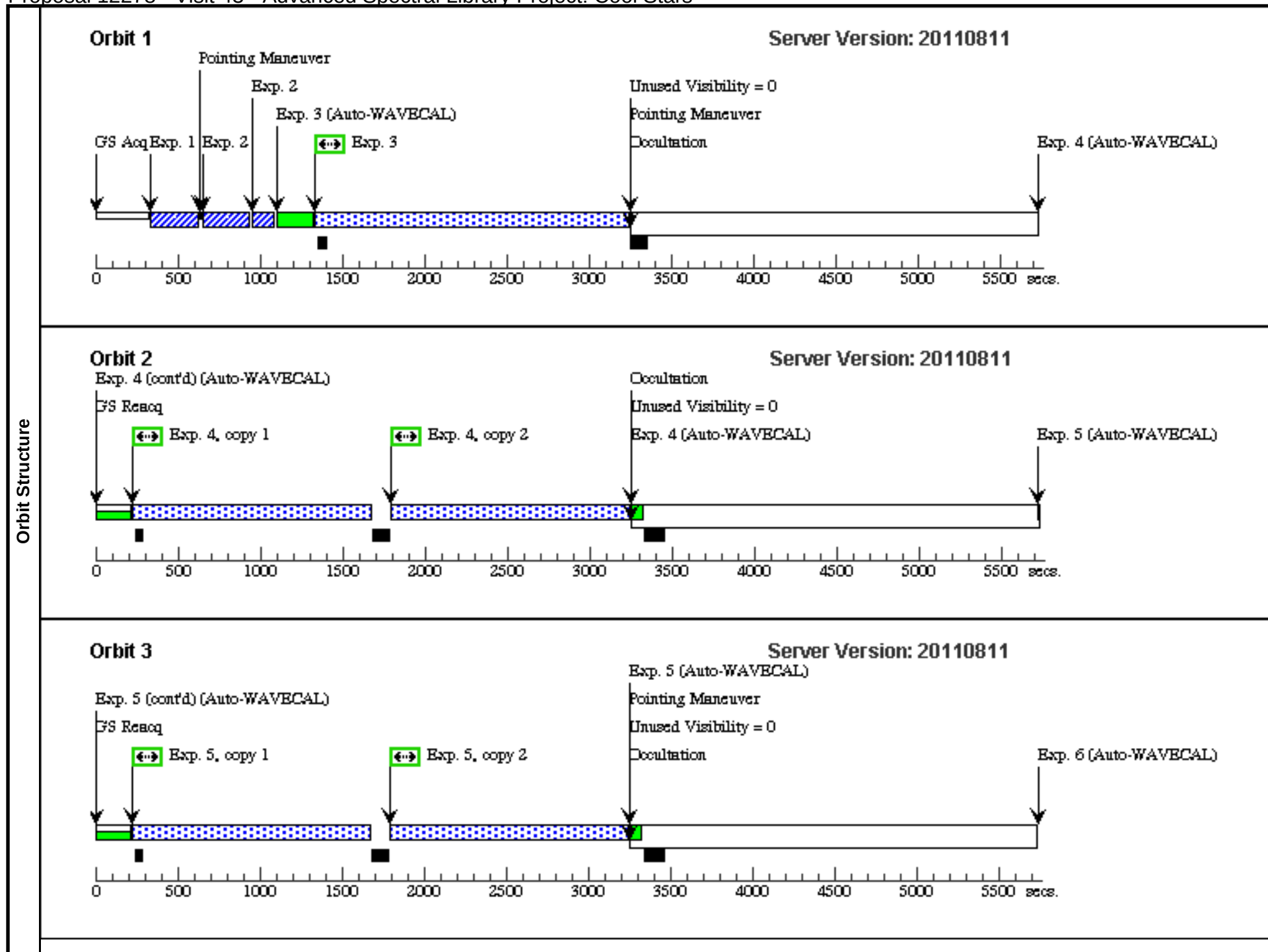
Orbit 4

Server Version: 20110811



Proposal 12278 - Visit 43 - Advanced Spectral Library Project: Cool Stars

Visit	Proposal 12278, Visit 43, completed								Sat Aug 20 01:21:17 GMT 2011	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA, STIS/NUV-MAMA									
	Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(4)	HD62509	RA: 07 45 18.4778 (116.3269908d)	Proper Motion RA: -0.0472 sec of time/yr	V=+1.15+/-0.1	Reference Frame: ICRS				
		Alt Name1: BET-GEM	Dec: +28 01 33.86 (28.02607d)	Proper Motion Dec: -0.0450 arcsec/yr						
			Equinox: J2000	Epoch of Position: 2010						
	Comments: Pollux; Beta Geminorum; K0IIIb									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(4) HD62509	STIS/CCD, ACQ, F25ND5	MIRROR				0.1 Secs	
									[==>]	[1]
	Comments: C&K K0III, 4750,2.0; STIS.A316906; sat-time=6.2s									
	2		(4) HD62509	STIS/CCD, ACQ/PEAK, 0.2X0.06	G430M				0.1 Secs	
					3936 A				[==>]	[1]
	Comments: C&K K0III, 4750,2.0; STIS.A316922; sat-time=1.3s									
	3		(4) HD62509	STIS/NUV-MAMA, ACCUM, 0.2X0.06	E230M				1893 Secs	
					1978 A				[==>]	[1]
	4		(4) HD62509	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H				1433 Secs X 2	
					2762 A				[==>(Copy 1)]	
									[==>(Copy 2)]	[2]
	5		(4) HD62509	STIS/FUV-MAMA, ACCUM, 0.2X0.09	E140H				1433 Secs X 2	
					1271 A				[==>(Copy 1)]	
									[==>(Copy 2)]	[3]
	6		(4) HD62509	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M				1433 Secs X 2	
					1425 A				[==>(Copy 1)]	
									[==>(Copy 2)]	[4]



Orbit 4

Server Version: 20110811

Exp. 6 (cont'd) (Auto-WAVECAL)

Exp. 6 (Auto-WAVECAL)

FS Reseq

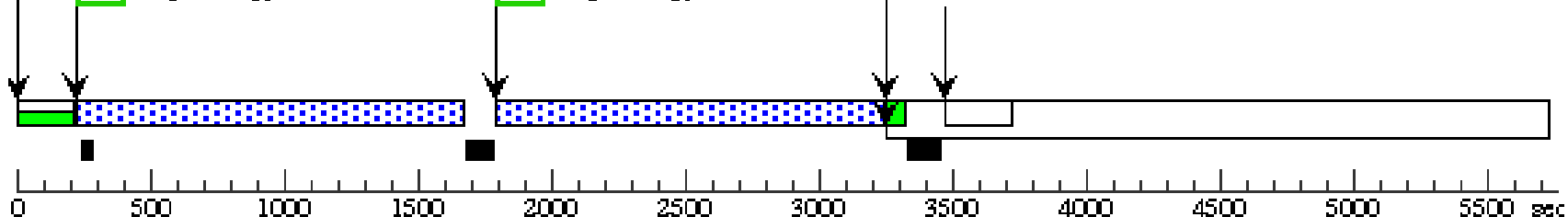
Occultation

Unused Visibility = 0

Exp. 6, copy 1

Exp. 6, copy 2

Home

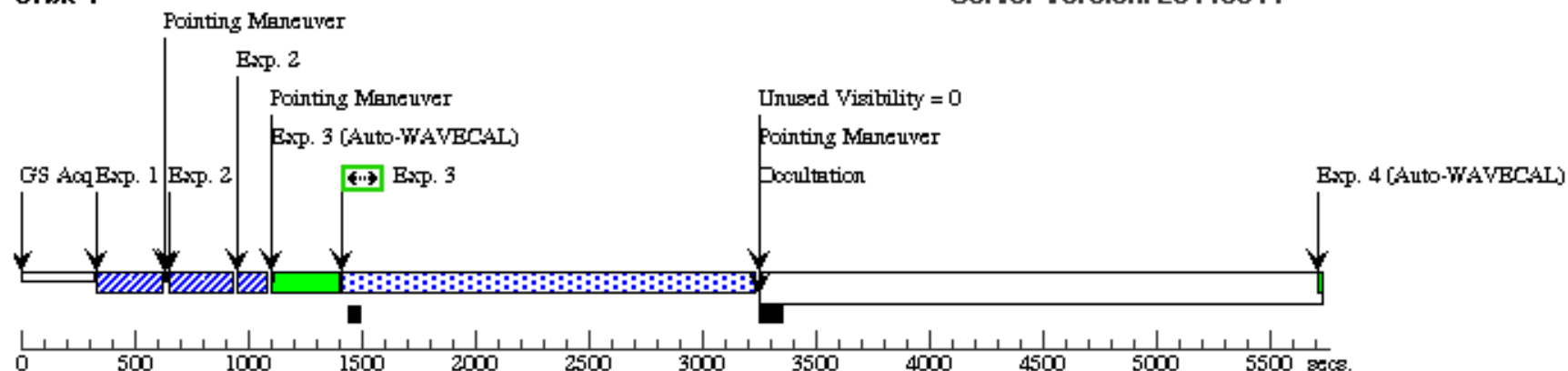


Proposal 12278 - Visit 44 - Advanced Spectral Library Project: Cool Stars

Visit	Proposal 12278, Visit 44, completed								Sat Aug 20 01:21:18 GMT 2011	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA, STIS/NUV-MAMA									
	Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(4)	HD62509	RA: 07 45 18.4778 (116.3269908d)	Proper Motion RA: -0.0472 sec of time/yr	V=+1.15+/-0.1	Reference Frame: ICRS				
		Alt Name1: BET-GEM	Dec: +28 01 33.86 (28.02607d)	Proper Motion Dec: -0.0450 arcsec/yr						
			Equinox: J2000	Epoch of Position: 2010						
	Comments: Pollux; Beta Geminorum; K0IIIb									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(4) HD62509	STIS/CCD, ACQ, F25ND5	MIRROR				0.1 Secs	
									[==>]	[1]
	Comments: C&K K0III, 4750,2.0; STIS.A316906; sat-time=6.2s									
	2		(4) HD62509	STIS/CCD, ACQ/PEAK, 0.2X0.06	G430M				0.1 Secs	
					3936 A				[==>]	[1]
	Comments: C&K K0III, 4750,2.0; STIS.A316922; sat-time=1.3s									
	3		(4) HD62509	STIS/NUV-MAMA, ACCUM, 0.1X0.03	E230H				1809 Secs	
					3012 A				[==>]	[1]
	4		(4) HD62509	STIS/NUV-MAMA, ACCUM, 0.2X0.06	E230M				1433 Secs X 2	
					1978 A				[==>(Copy 1)]	
									[==>(Copy 2)]	[2]
	5		(4) HD62509	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H				1433 Secs X 2	
					2263 A				[==>(Copy 1)]	
									[==>(Copy 2)]	[3]
	6		(4) HD62509	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M				1433 Secs X 2	
					1425 A				[==>(Copy 1)]	
									[==>(Copy 2)]	[4]

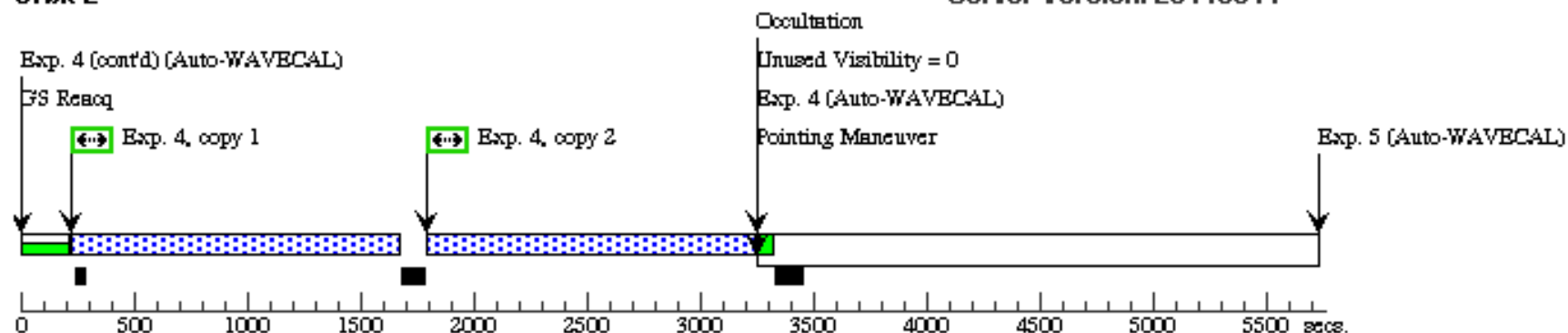
Orbit 1

Server Version: 20110811



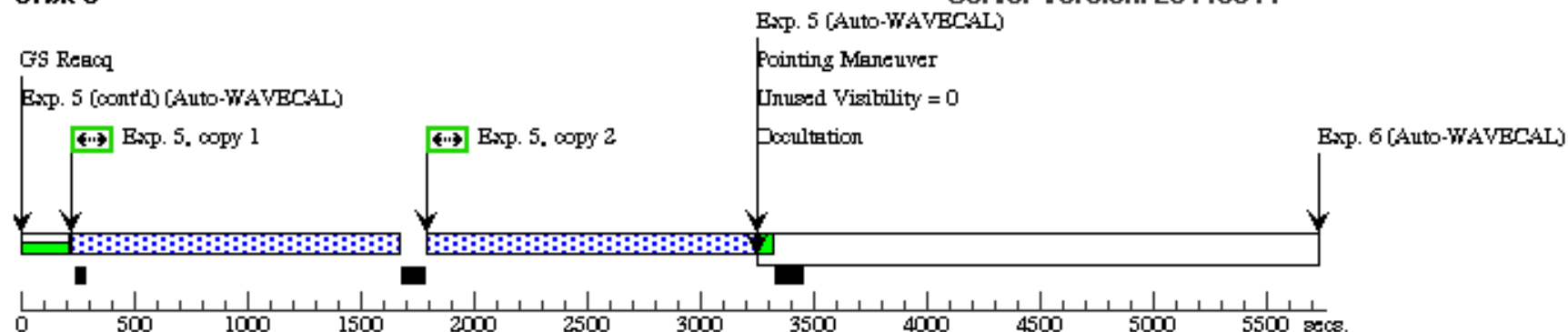
Orbit 2

Server Version: 20110811



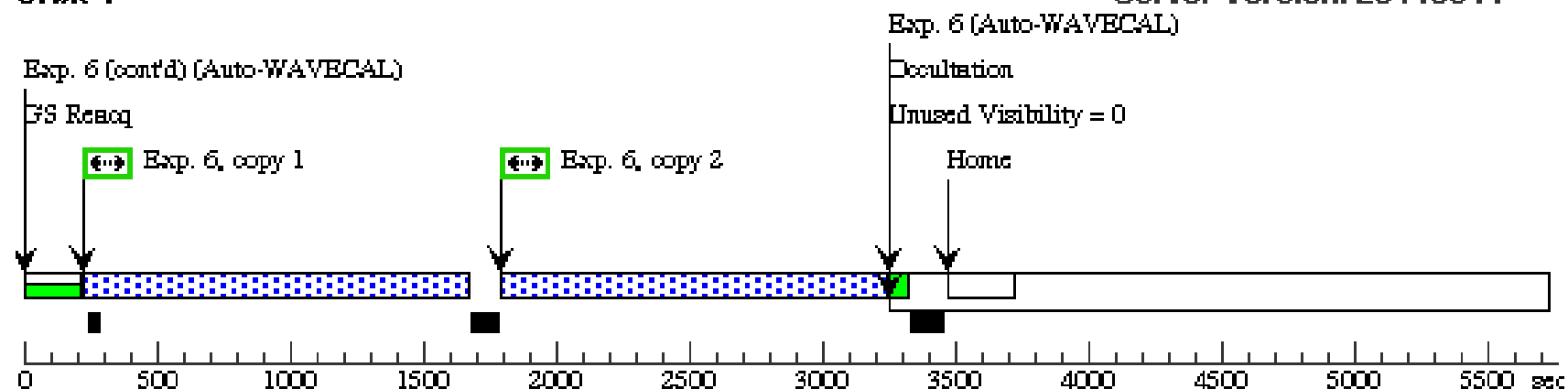
Orbit 3

Server Version: 20110811



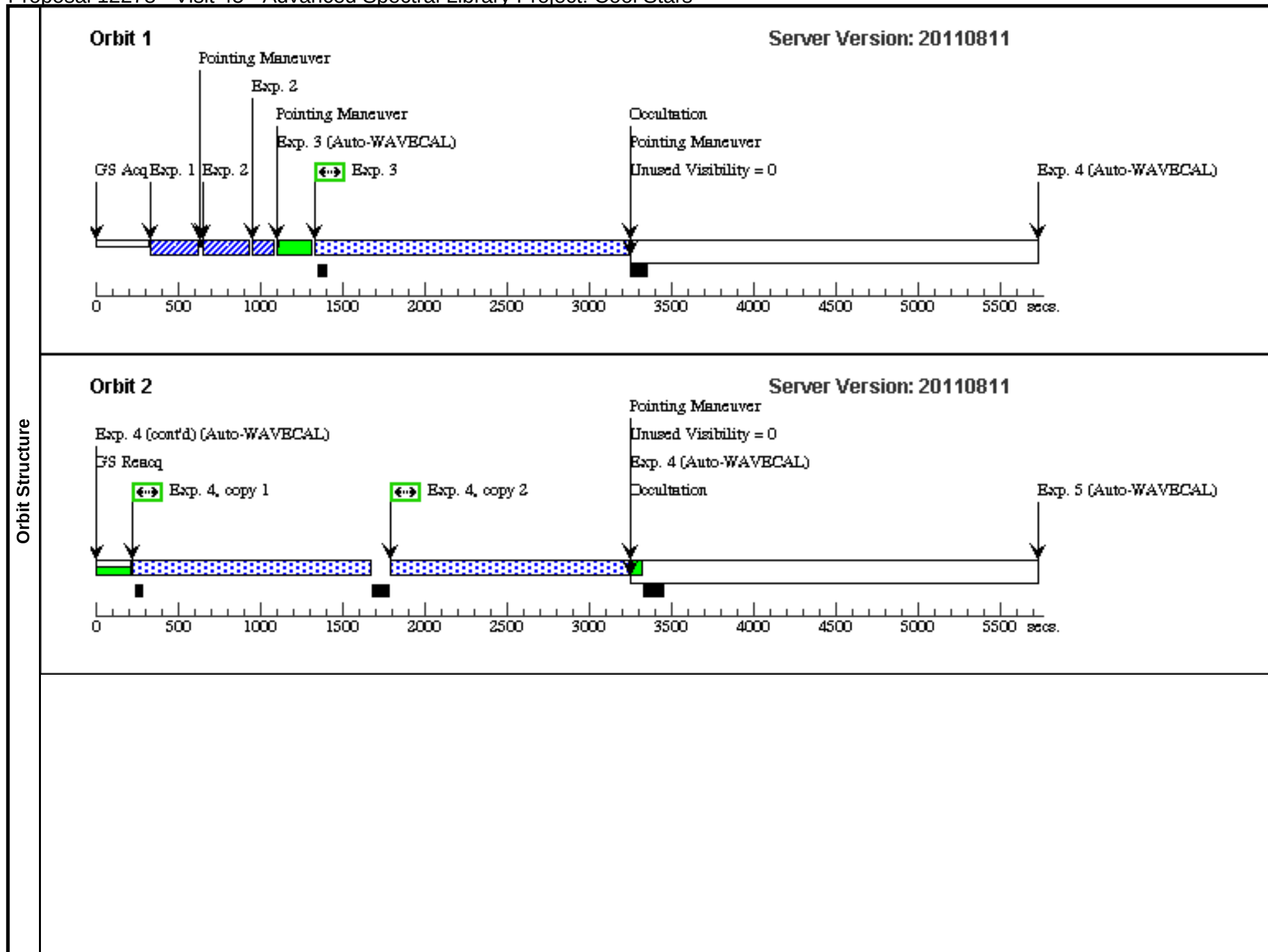
Orbit 4

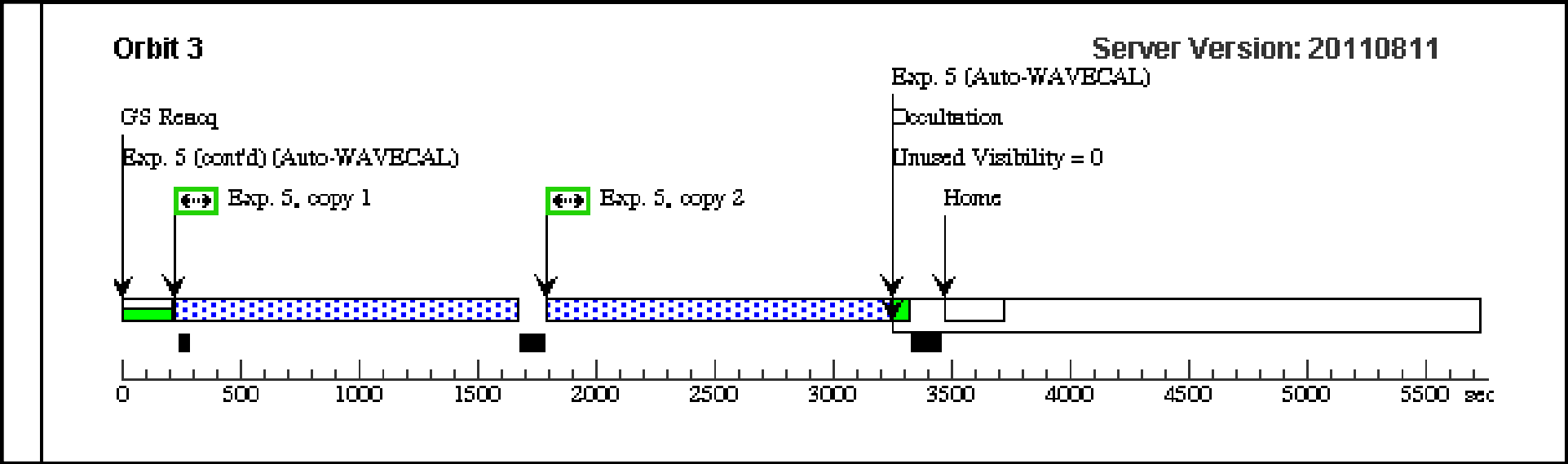
Server Version: 20110811



Proposal 12278 - Visit 45 - Advanced Spectral Library Project: Cool Stars

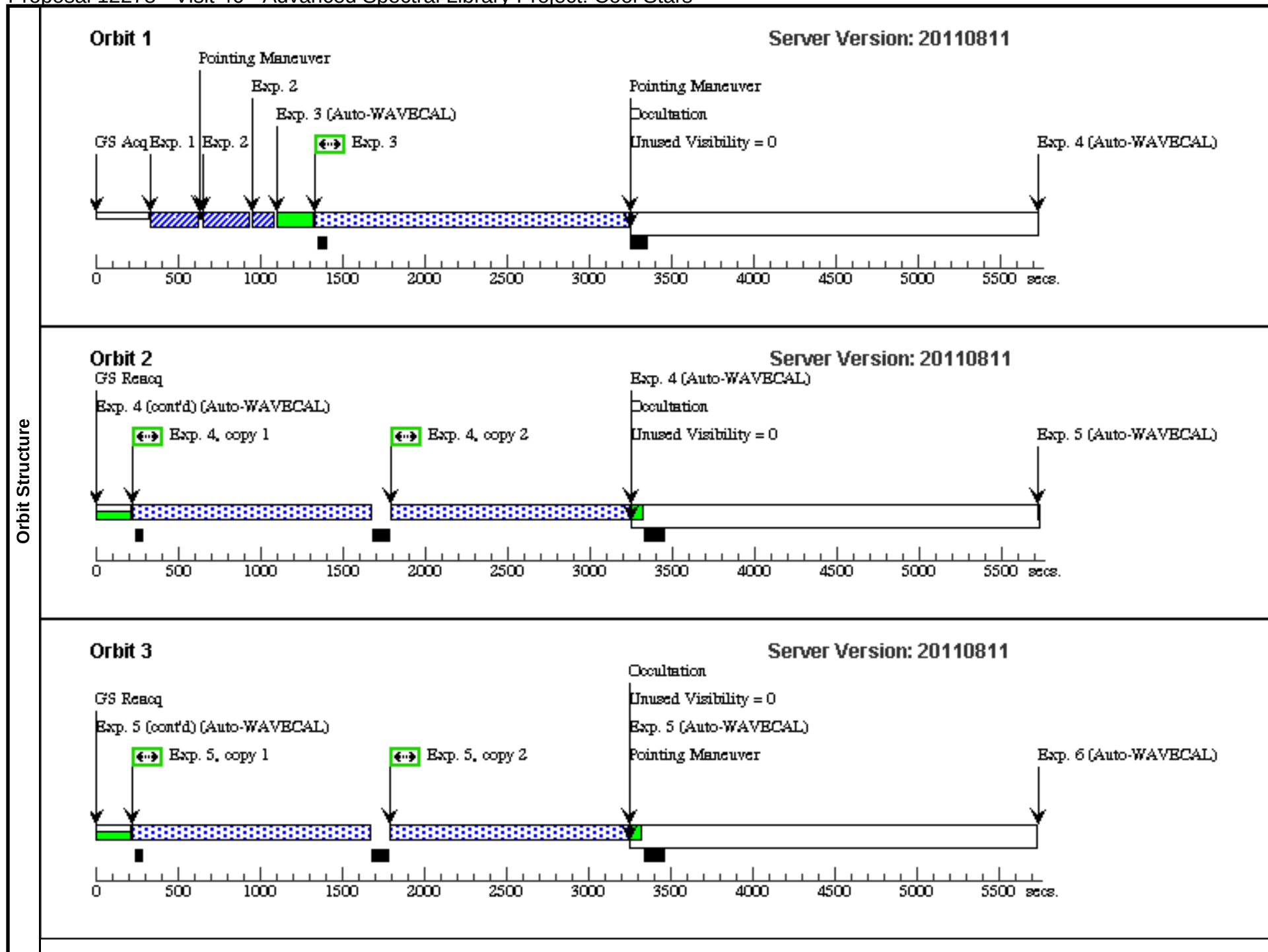
Visit	Proposal 12278, Visit 45, completed										Sat Aug 20 01:21:19 GMT 2011
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA, STIS/NUV-MAMA										
	Special Requirements: (none)										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(4)	HD62509	RA: 07 45 18.4778 (116.3269908d)		Proper Motion RA: -0.0472 sec of time/yr		V=+1.15+/-0.1		Reference Frame: ICRS		
		Alt Name1: BET-GEM	Dec: +28 01 33.86 (28.02607d)		Proper Motion Dec: -0.0450 arcsec/yr						
			Equinox: J2000		Epoch of Position: 2010						
	Comments: Pollux; Beta Geminorum; K0IIIb										
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(4) HD62509	STIS/CCD, ACQ, F25ND5		MIRROR				0.1 Secs	
										[==>]	[1]
	Comments: C&K K0III, 4750,2.0; STIS.A316906; sat-time=6.2s										
	2		(4) HD62509	STIS/CCD, ACQ/PEAK, 0.2X0.06		G430M				0.1 Secs	
						3936 A				[==>]	[1]
	Comments: C&K K0III, 4750,2.0; STIS.A316922; sat-time=1.3s										
	3		(4) HD62509	STIS/FUV-MAMA, ACCUM, 0.2X0.2		E140M				1897 Secs	
						1425 A				[==>]	[1]
	4		(4) HD62509	STIS/NUV-MAMA, ACCUM, 0.2X0.09		E230H				1433 Secs X 2	
						2513 A				[==>(Copy 1)]	[2]
										[==>(Copy 2)]	
	5		(4) HD62509	STIS/FUV-MAMA, ACCUM, 0.2X0.2		E140M				1433 Secs X 2	
					1425 A				[==>(Copy 1)]	[3]	
									[==>(Copy 2)]		

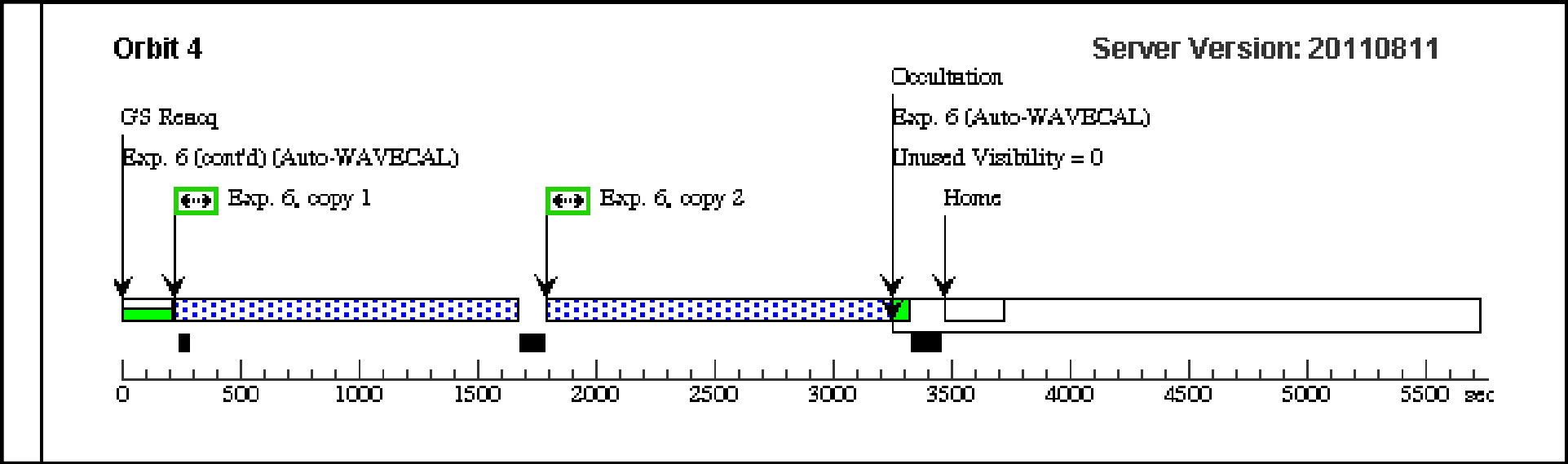




Proposal 12278 - Visit 46 - Advanced Spectral Library Project: Cool Stars

Visit	Proposal 12278, Visit 46, completed								Sat Aug 20 01:21:19 GMT 2011	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA, STIS/NUV-MAMA									
	Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(4)	HD62509	RA: 07 45 18.4778 (116.3269908d)	Proper Motion RA: -0.0472 sec of time/yr	V=+1.15+/-0.1	Reference Frame: ICRS				
		Alt Name1: BET-GEM	Dec: +28 01 33.86 (28.02607d)	Proper Motion Dec: -0.0450 arcsec/yr						
			Equinox: J2000	Epoch of Position: 2010						
	Comments: Pollux; Beta Geminorum; K0IIIb									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(4) HD62509	STIS/CCD, ACQ, F25ND5	MIRROR				0.1 Secs	
									[==>]	[1]
	Comments: C&K K0III, 4750,2.0; STIS.A316906; sat-time=6.2s									
	2		(4) HD62509	STIS/CCD, ACQ/PEAK, 0.2X0.06	G430M				0.1 Secs	
					3936 A				[==>]	[1]
	Comments: C&K K0III, 4750,2.0; STIS.A316922; sat-time=1.3s									
	3		(4) HD62509	STIS/NUV-MAMA, ACCUM, 0.2X0.06	E230M				1893 Secs	
					1978 A				[==>]	[1]
	4		(4) HD62509	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H				1433 Secs X 2	
					2263 A				[==>(Copy 1)]	
									[==>(Copy 2)]	[2]
	5		(4) HD62509	STIS/FUV-MAMA, ACCUM, 0.2X0.09	E140H				1433 Secs X 2	
					1271 A				[==>(Copy 1)]	
									[==>(Copy 2)]	[3]
	6		(4) HD62509	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M				1433 Secs X 2	
					1425 A				[==>(Copy 1)]	
									[==>(Copy 2)]	[4]



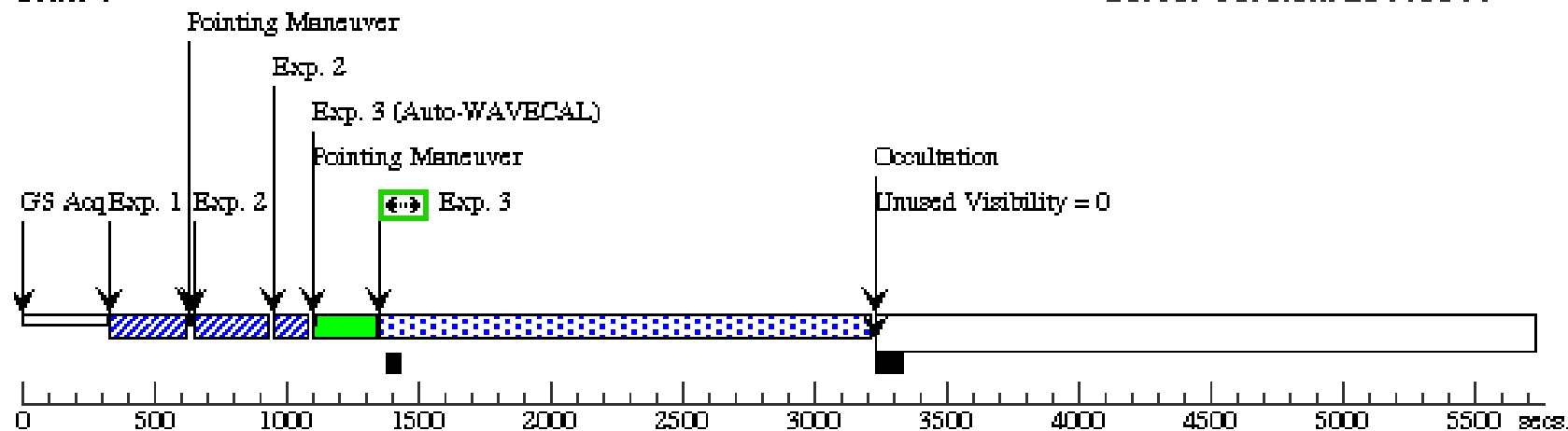


Proposal 12278 - Visit 51 - Advanced Spectral Library Project: Cool Stars

Visit	Proposal 12278, Visit 51, completed								Sat Aug 20 01:21:19 GMT 2011	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA, STIS/NUV-MAMA									
	Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(5)	HD209750	RA: 22 05 47.0476 (331.4460317d)	Proper Motion RA: +0.0012 sec of time/yr	V=+2.950+/-0.1	Reference Frame: ICRS				
		Alt Name1: ALP-AQR	Dec: -00 19 11.56 (-.31988d)	Proper Motion Dec: -0.010 arcsec/yr						
			Equinox: J2000	Parallax: 0.0043"						
			Epoch of Position: 2010							
			Radial Velocity: +7.5 km/sec							
	Comments: Sadalmelik; Alpha Aquarii; G2Ib									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(5) HD209750	STIS/CCD, ACQ, F25ND5	MIRROR				0.20 Secs	
									[==>]	[1]
	Comments: C&K G0I, 5500,1.5; STIS.A316908; sat-time=37.3s									
	2		(5) HD209750	STIS/CCD, ACQ/PEAK, 0.2X0.06	G430M				0.1 Secs	
					3936 A				[==>]	[1]
	Comments: C&K G0I, 5500,1.5; STIS.A316924; sat-time=4.1s									
	3		(5) HD209750	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H				1846 Secs	
					2263 A				[==>]	[1]
	4		(5) HD209750	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H				1421 Secs X 2	
					2513 A				[==>(Copy 1)]	[2]
									[==>(Copy 2)]	
	5		(5) HD209750	STIS/NUV-MAMA, ACCUM, 0.2X0.2	E230M				1421 Secs X 2	
					1978 A				[==>(Copy 1)]	[3]
									[==>(Copy 2)]	
	6		(5) HD209750	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M				1421 Secs X 2	
					1425 A				[==>(Copy 1)]	[4]
									[==>(Copy 2)]	

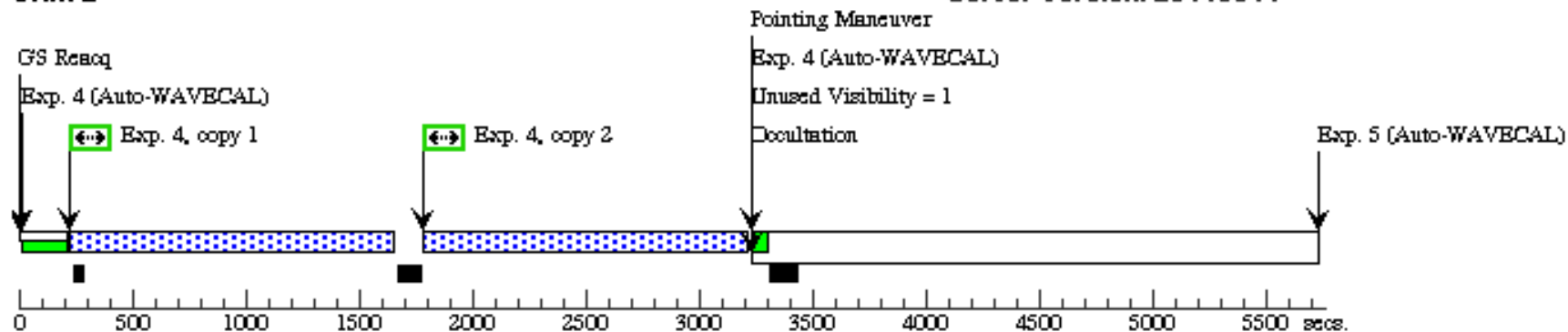
Orbit 1

Server Version: 20110811



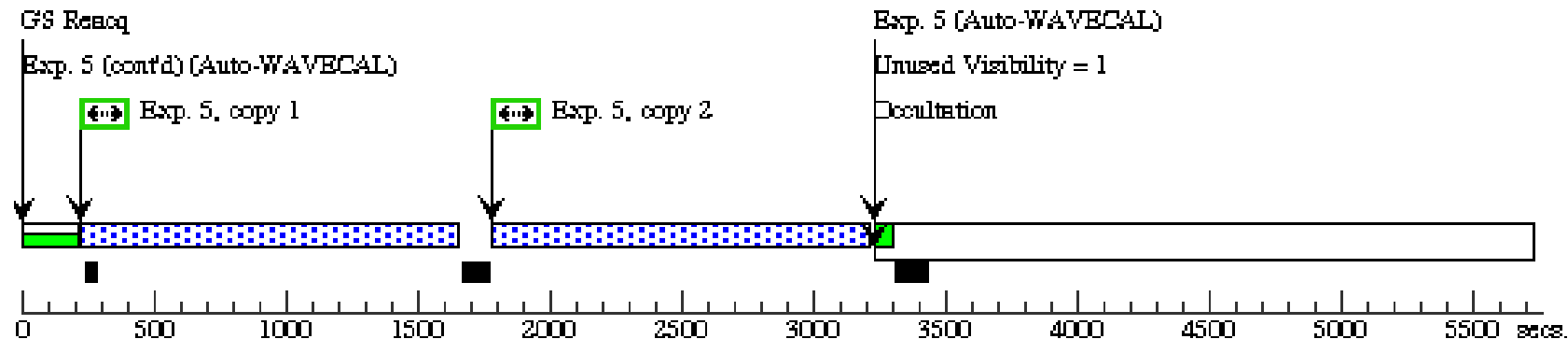
Orbit 2

Server Version: 20110811



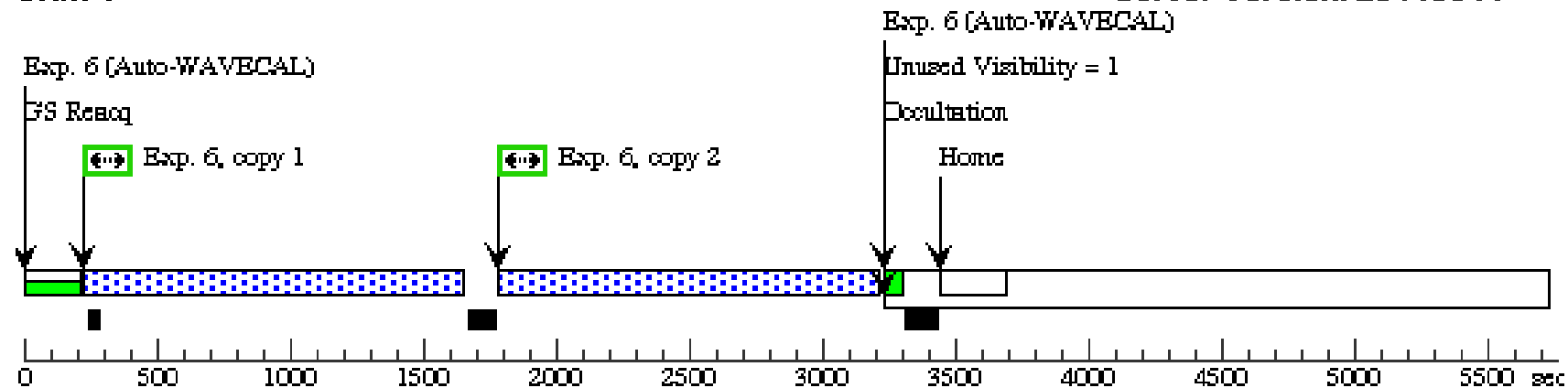
Orbit 3

Server Version: 20110811



Orbit 4

Server Version: 20110811

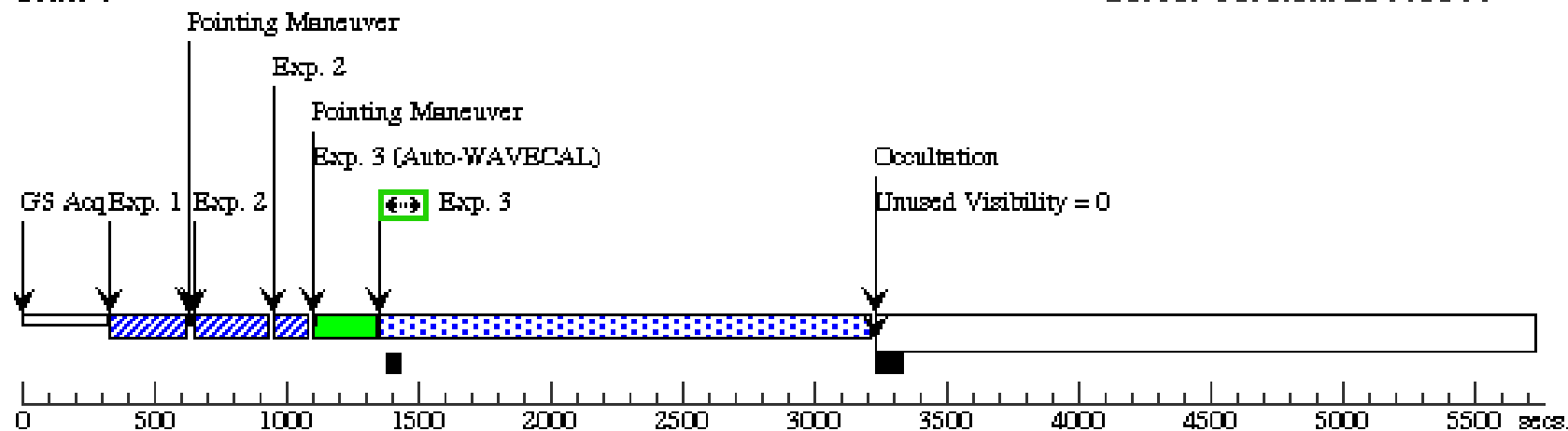


Proposal 12278 - Visit 52 - Advanced Spectral Library Project: Cool Stars

Visit	Proposal 12278, Visit 52, completed								Sat Aug 20 01:21:20 GMT 2011	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA, STIS/NUV-MAMA									
	Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(5)	HD209750	RA: 22 05 47.0476 (331.4460317d)	Proper Motion RA: +0.0012 sec of time/yr		V=+2.950+/-0.1		Reference Frame: ICRS		
		Alt Name1: ALP-AQR	Dec: -00 19 11.56 (-.31988d)	Proper Motion Dec: -0.010 arcsec/yr						
			Equinox: J2000	Parallax: 0.0043"						
			Epoch of Position: 2010							
			Radial Velocity: +7.5 km/sec							
	Comments: Sadalmelik; Alpha Aquarii; G2Ib									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(5) HD209750	STIS/CCD, ACQ, F25ND5	MIRROR				0.20 Secs	
									[==>]	[1]
	Comments: C&K G0I, 5500,1.5; STIS.A316908; sat-time=37.3s									
	2		(5) HD209750	STIS/CCD, ACQ/PEAK, 0.2X0.06	G430M				0.1 Secs	
					3936 A				[==>]	[1]
	Comments: C&K G0I, 5500,1.5; STIS.A316924; sat-time=4.1s									
	3		(5) HD209750	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H				1846 Secs	
					2513 A				[==>]	[1]
	4		(5) HD209750	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H				1421 Secs X 2	
					2762 A				[==>(Copy 1)]	[2]
									[==>(Copy 2)]	
	5		(5) HD209750	STIS/NUV-MAMA, ACCUM, 0.2X0.2	E230M				1421 Secs X 2	
					1978 A				[==>(Copy 1)]	[3]
									[==>(Copy 2)]	
	6		(5) HD209750	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M				1421 Secs X 2	
					1425 A				[==>(Copy 1)]	[4]
									[==>(Copy 2)]	

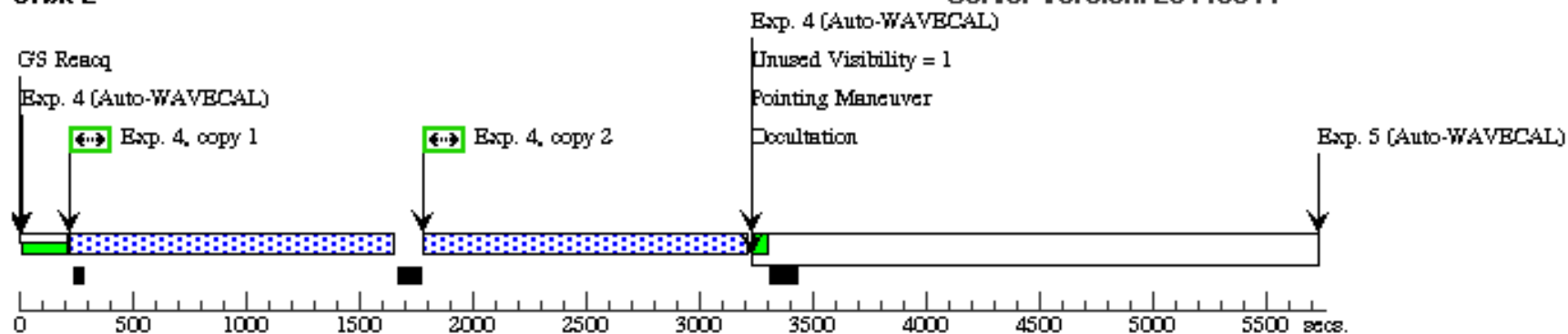
Orbit 1

Server Version: 20110811



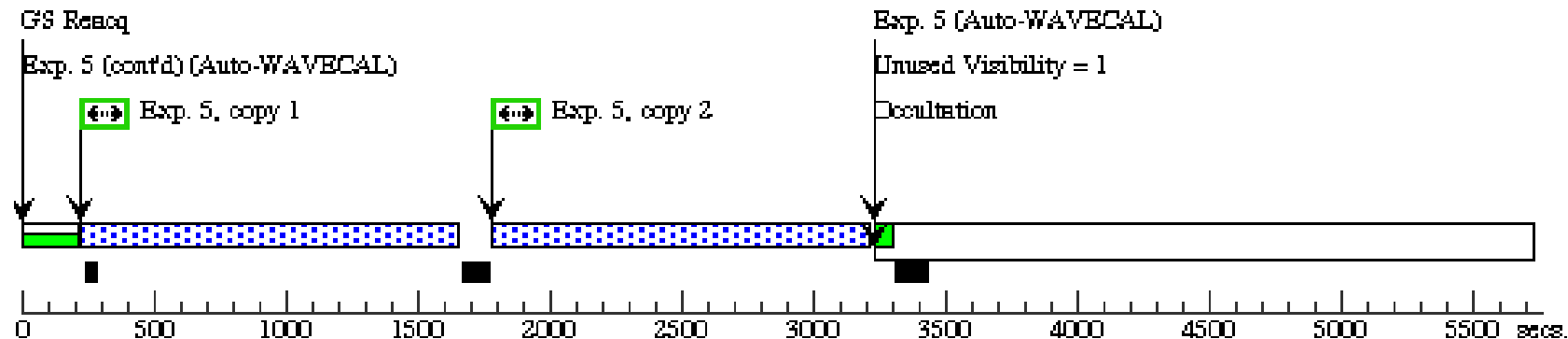
Orbit 2

Server Version: 20110811



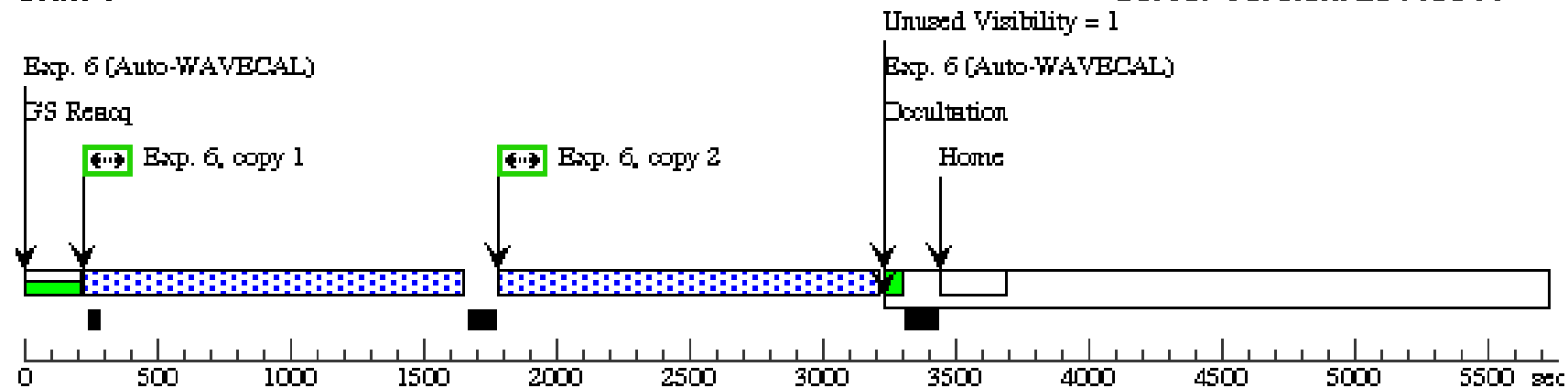
Orbit 3

Server Version: 20110811



Orbit 4

Server Version: 20110811

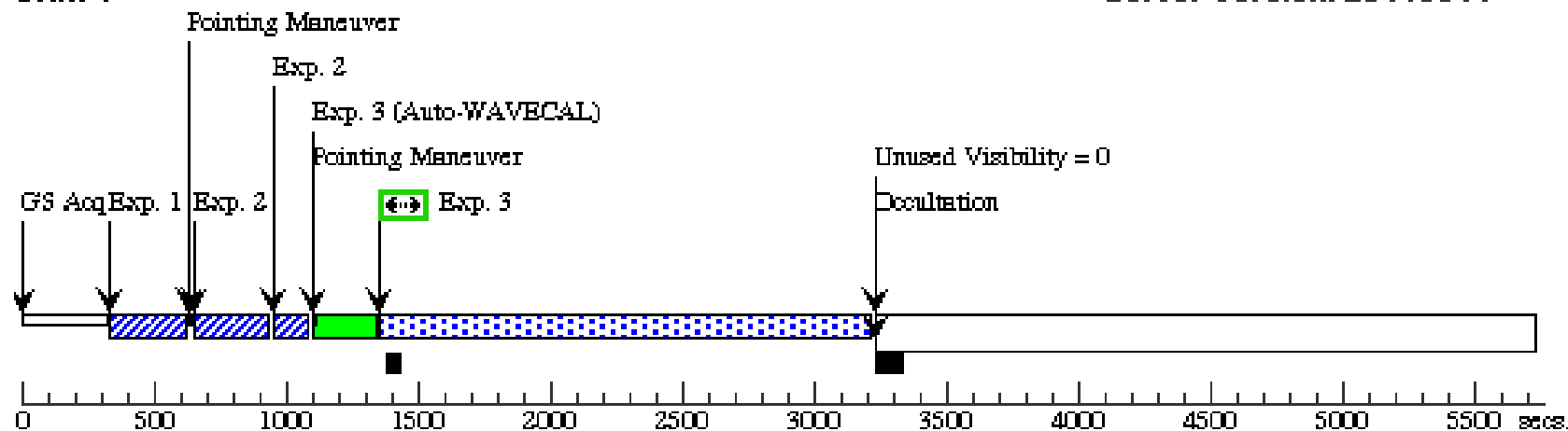


Proposal 12278 - Visit 53 - Advanced Spectral Library Project: Cool Stars

Visit	Proposal 12278, Visit 53, completed						Sat Aug 20 01:21:21 GMT 2011			
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA, STIS/NUV-MAMA									
	Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(5)	HD209750	RA: 22 05 47.0476 (331.4460317d)	Proper Motion RA: +0.0012 sec of time/yr	V=+2.950+/-0.1	Reference Frame: ICRS				
		Alt Name1: ALP-AQR	Dec: -00 19 11.56 (-.31988d)	Proper Motion Dec: -0.010 arcsec/yr						
			Equinox: J2000	Parallax: 0.0043"						
			Epoch of Position: 2010							
			Radial Velocity: +7.5 km/sec							
	Comments: Sadalmelik; Alpha Aquarii; G2Ib									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(5) HD209750	STIS/CCD, ACQ, F25ND5	MIRROR				0.20 Secs	
									[==>]	[1]
	Comments: C&K G0I, 5500,1.5; STIS.A316908; sat-time=37.3s									
	2		(5) HD209750	STIS/CCD, ACQ/PEAK, 0.2X0.06	G430M				0.1 Secs	
					3936 A				[==>]	[1]
	Comments: C&K G0I, 5500,1.5; STIS.A316924; sat-time=4.1s									
	3		(5) HD209750	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H				1846 Secs	
					2762 A				[==>]	[1]
	4		(5) HD209750	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H				1421 Secs X 2	
					2263 A				[==>(Copy 1)]	[2]
									[==>(Copy 2)]	
	5		(5) HD209750	STIS/NUV-MAMA, ACCUM, 0.2X0.2	E230M				1421 Secs X 2	
					1978 A				[==>(Copy 1)]	[3]
									[==>(Copy 2)]	
	6		(5) HD209750	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M				1421 Secs X 2	
					1425 A				[==>(Copy 1)]	[4]
									[==>(Copy 2)]	

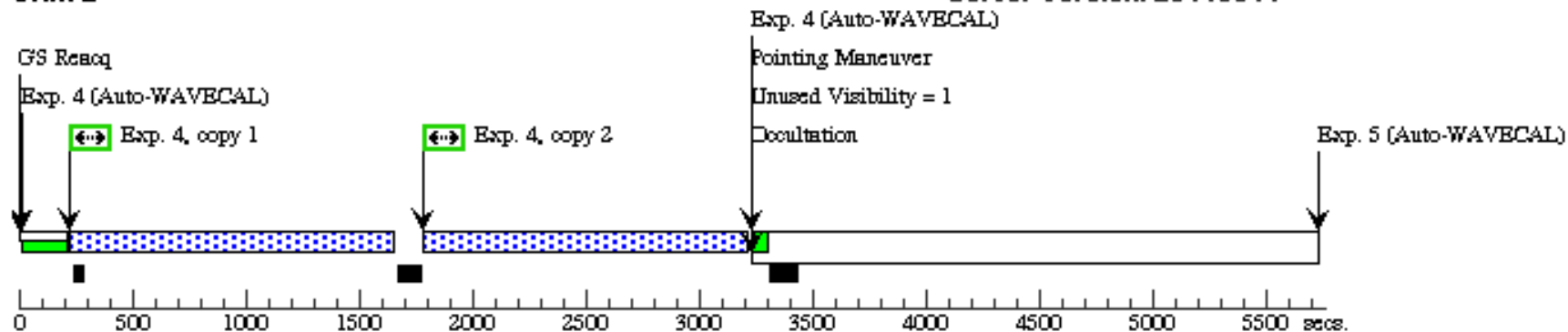
Orbit 1

Server Version: 20110811



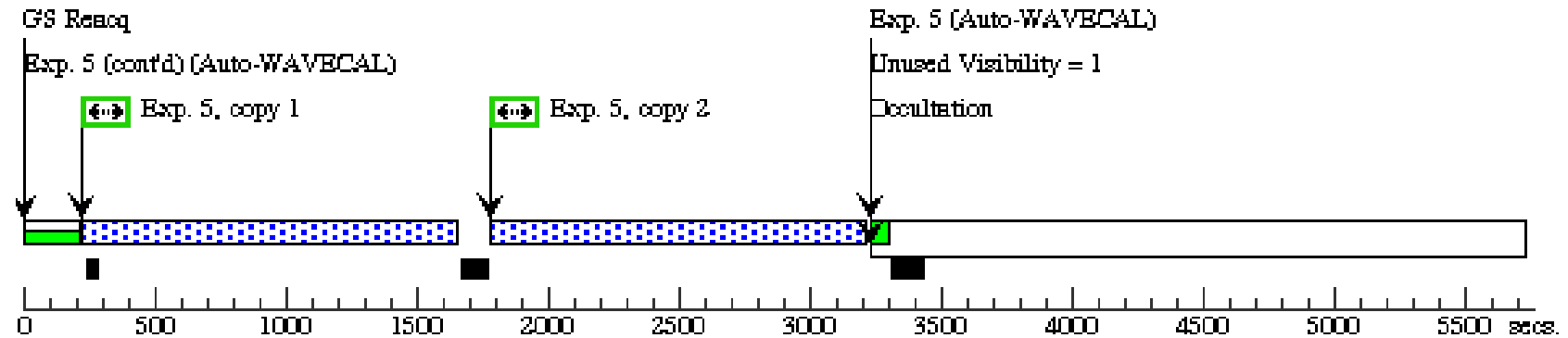
Orbit 2

Server Version: 20110811



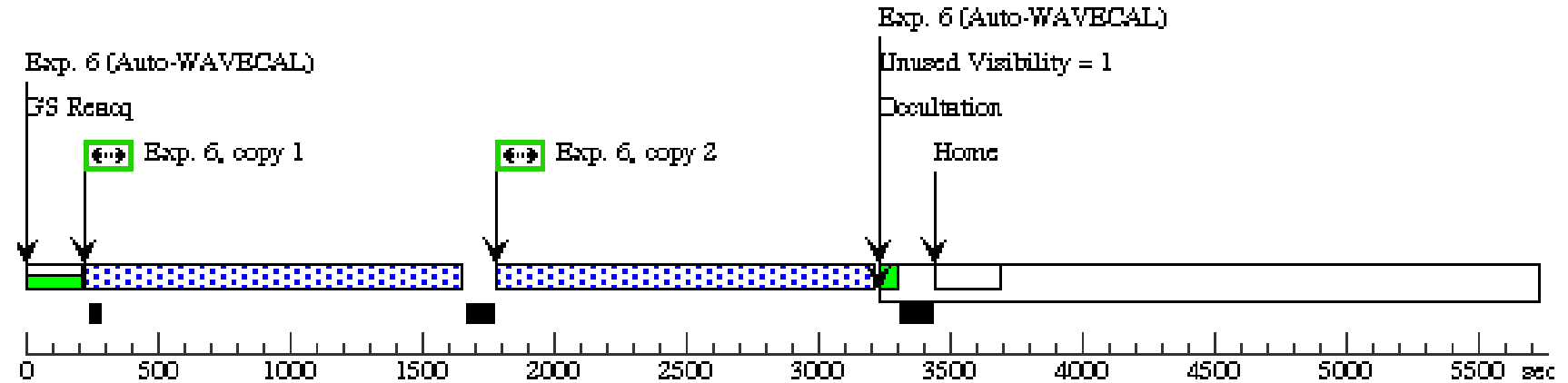
Orbit 3

Server Version: 20110811



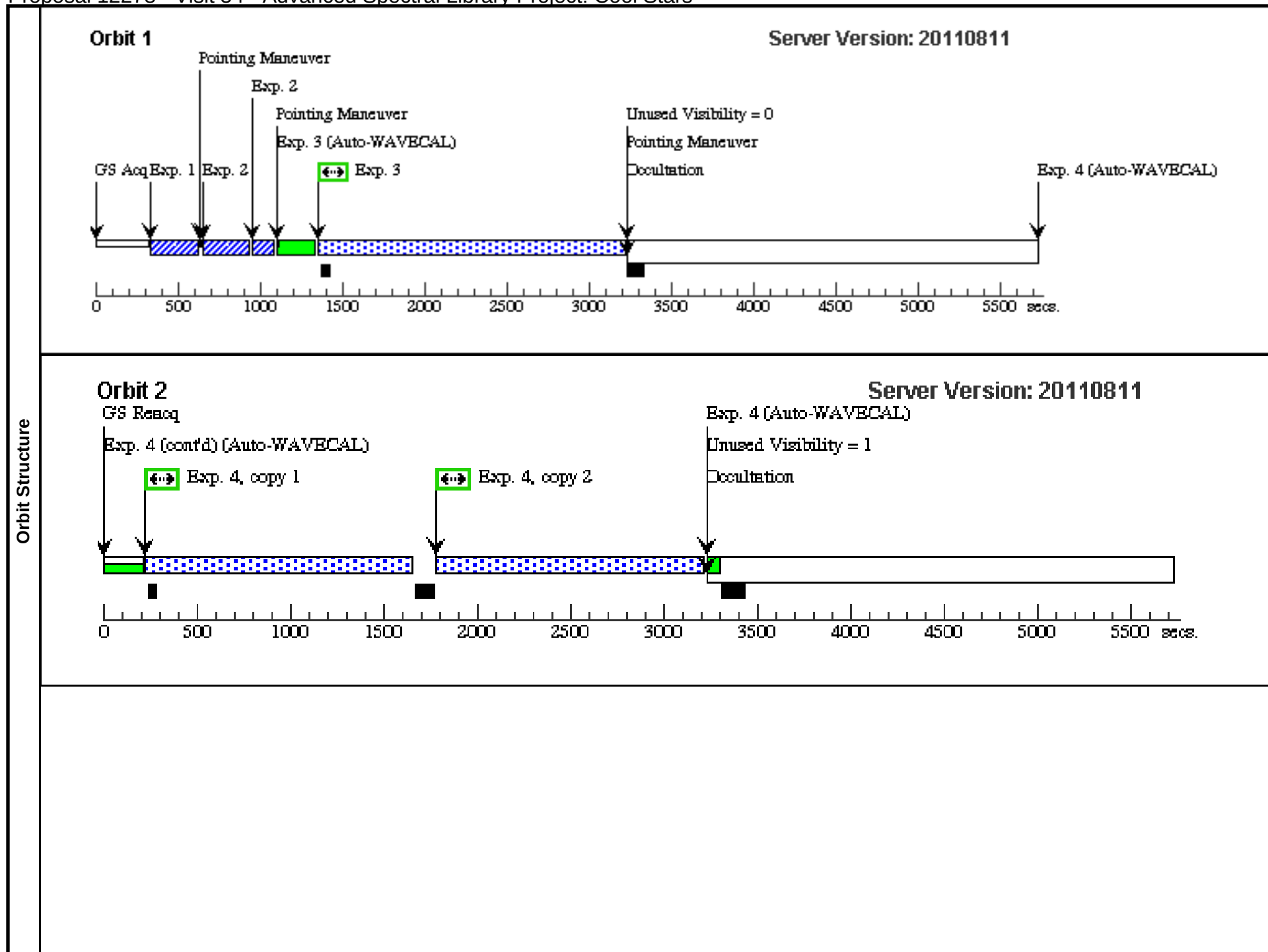
Orbit 4

Server Version: 20110811



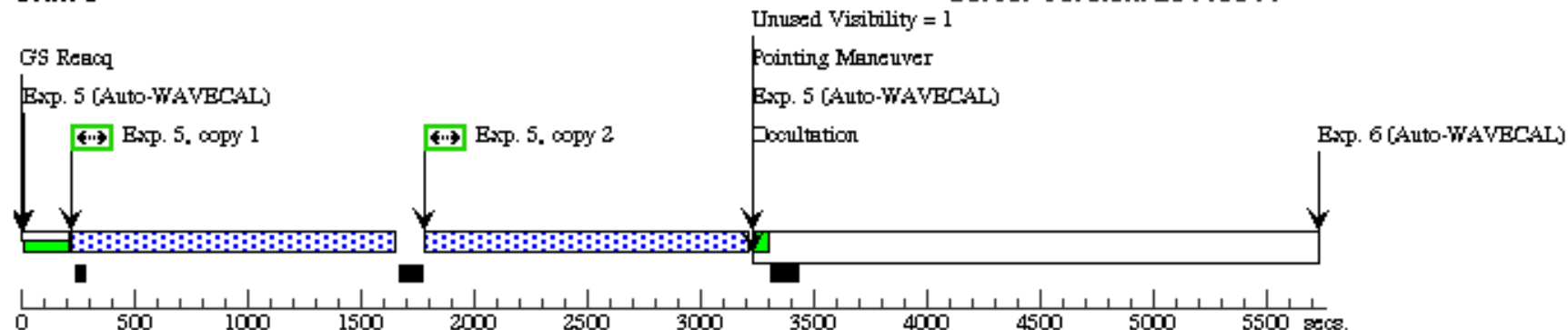
Proposal 12278 - Visit 54 - Advanced Spectral Library Project: Cool Stars

Visit	Proposal 12278, Visit 54, completed								Sat Aug 20 01:21:21 GMT 2011	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA, STIS/NUV-MAMA									
	Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(5)	HD209750	RA: 22 05 47.0476 (331.4460317d)	Proper Motion RA: +0.0012 sec of time/yr	V=+2.950+/-0.1	Reference Frame: ICRS				
		Alt Name1: ALP-AQR	Dec: -00 19 11.56 (-.31988d)	Proper Motion Dec: -0.010 arcsec/yr						
			Equinox: J2000	Parallax: 0.0043"						
			Epoch of Position: 2010							
			Radial Velocity: +7.5 km/sec							
	Comments: Sadalmelik; Alpha Aquarii; G2Ib									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(5) HD209750	STIS/CCD, ACQ, F25ND5	MIRROR				0.20 Secs	
									[==>]	[1]
	Comments: C&K G0I, 5500,1.5; STIS.A316908; sat-time=37.3s									
	2		(5) HD209750	STIS/CCD, ACQ/PEAK, 0.2X0.06	G430M				0.1 Secs	
					3936 A				[==>]	[1]
	Comments: C&K G0I, 5500,1.5; STIS.A316924; sat-time=4.1s									
	3		(5) HD209750	STIS/NUV-MAMA, ACCUM, 0.2X0.2	E230M				1854 Secs	
					2707 A				[==>]	[1]
	4		(5) HD209750	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H				1421 Secs X 2	
					2513 A				[==>(Copy 1)]	[2]
									[==>(Copy 2)]	
	5		(5) HD209750	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H				1421 Secs X 2	
					2263 A				[==>(Copy 1)]	[3]
									[==>(Copy 2)]	
	6		(5) HD209750	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M				1421 Secs X 2	
					1425 A				[==>(Copy 1)]	[4]
									[==>(Copy 2)]	



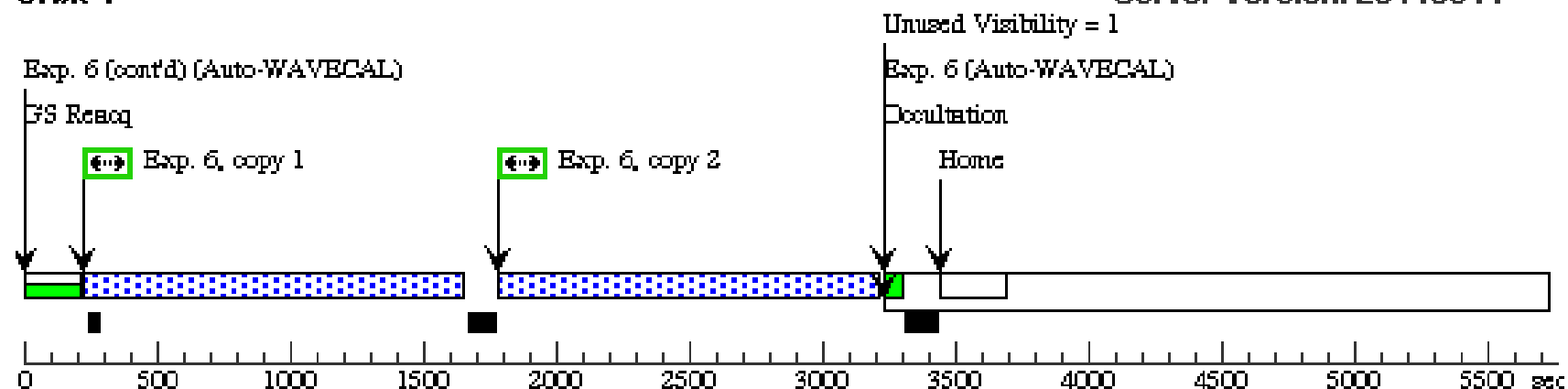
Orbit 3

Server Version: 20110811



Orbit 4

Server Version: 20110811

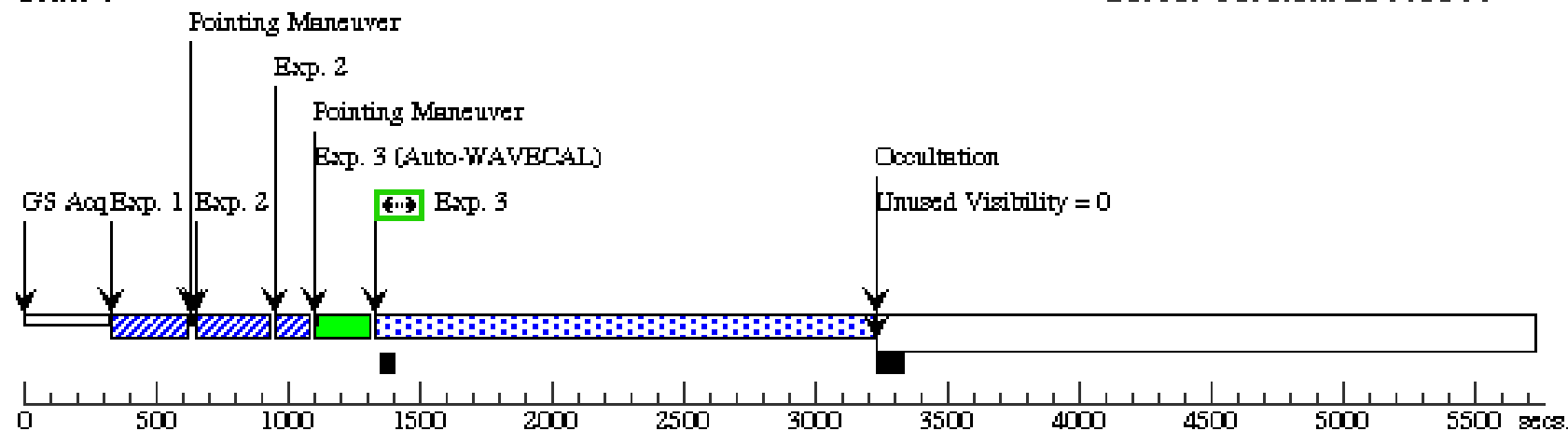


Proposal 12278 - Visit 55 - Advanced Spectral Library Project: Cool Stars

Visit	Proposal 12278, Visit 55, completed						Sat Aug 20 01:21:22 GMT 2011			
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA, STIS/NUV-MAMA									
	Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(5)	HD209750	RA: 22 05 47.0476 (331.4460317d)	Proper Motion RA: +0.0012 sec of time/yr	V=+2.950+/-0.1	Reference Frame: ICRS				
		Alt Name1: ALP-AQR	Dec: -00 19 11.56 (-.31988d)	Proper Motion Dec: -0.010 arcsec/yr						
			Equinox: J2000	Parallax: 0.0043"						
			Epoch of Position: 2010							
			Radial Velocity: +7.5 km/sec							
	Comments: Sadalmelik; Alpha Aquarii; G2Ib									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(5) HD209750	STIS/CCD, ACQ, F25ND5	MIRROR				0.20 Secs	
									[==>]	[1]
	Comments: C&K G0I, 5500,1.5; STIS.A316908; sat-time=37.3s									
	2		(5) HD209750	STIS/CCD, ACQ/PEAK, 0.2X0.06	G430M				0.1 Secs	
					3936 A				[==>]	[1]
	Comments: C&K G0I, 5500,1.5; STIS.A316924; sat-time=4.1s									
	3		(5) HD209750	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M				1874 Secs	
					1425 A				[==>]	[1]
	4		(5) HD209750	STIS/NUV-MAMA, ACCUM, 0.2X0.2	E230M				1421 Secs X 2	
					1978 A				[==>(Copy 1)]	[2]
									[==>(Copy 2)]	
	5		(5) HD209750	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M				1421 Secs X 2	
					1425 A				[==>(Copy 1)]	[3]
									[==>(Copy 2)]	

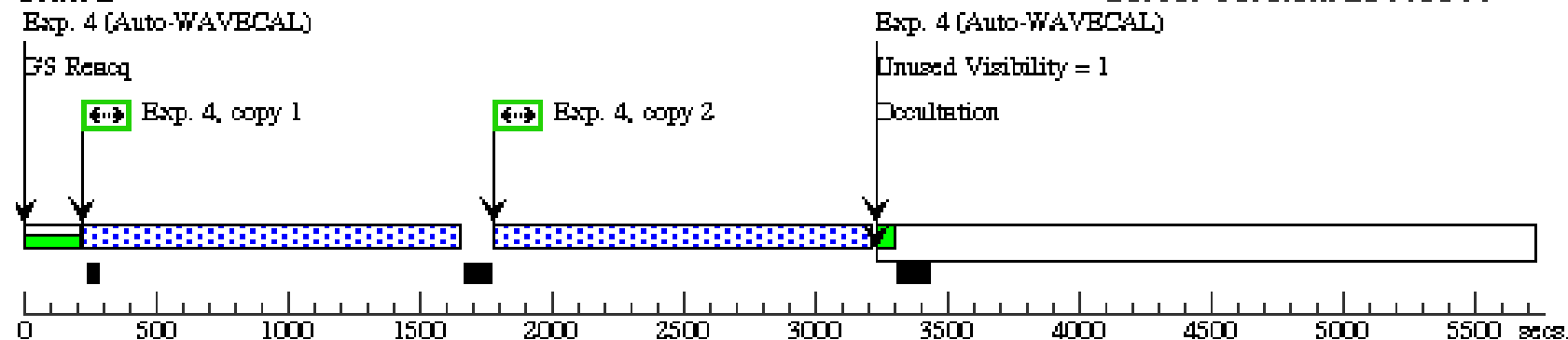
Orbit 1

Server Version: 20110811



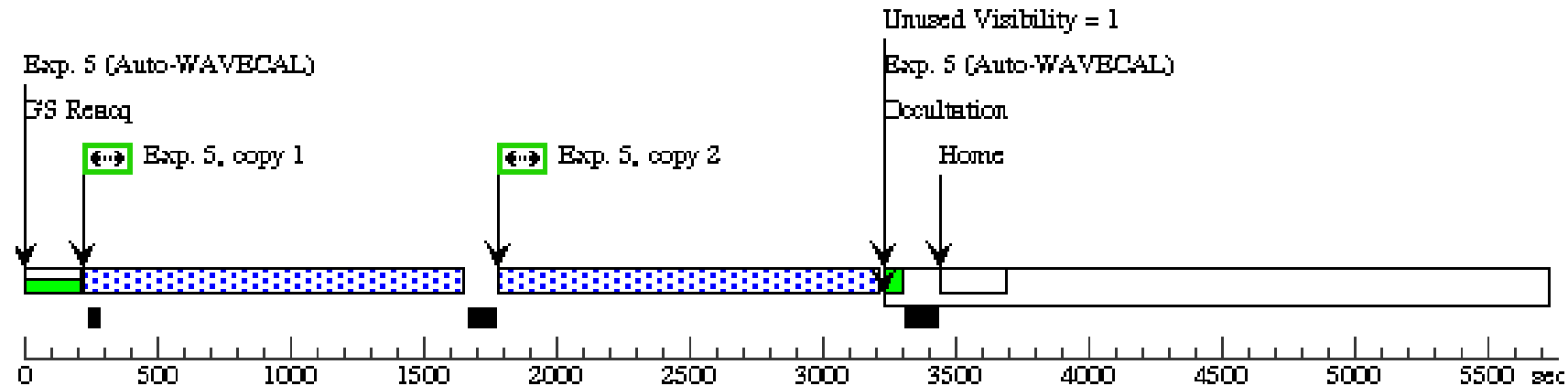
Orbit 2

Server Version: 20110811



Orbit 3

Server Version: 20110811

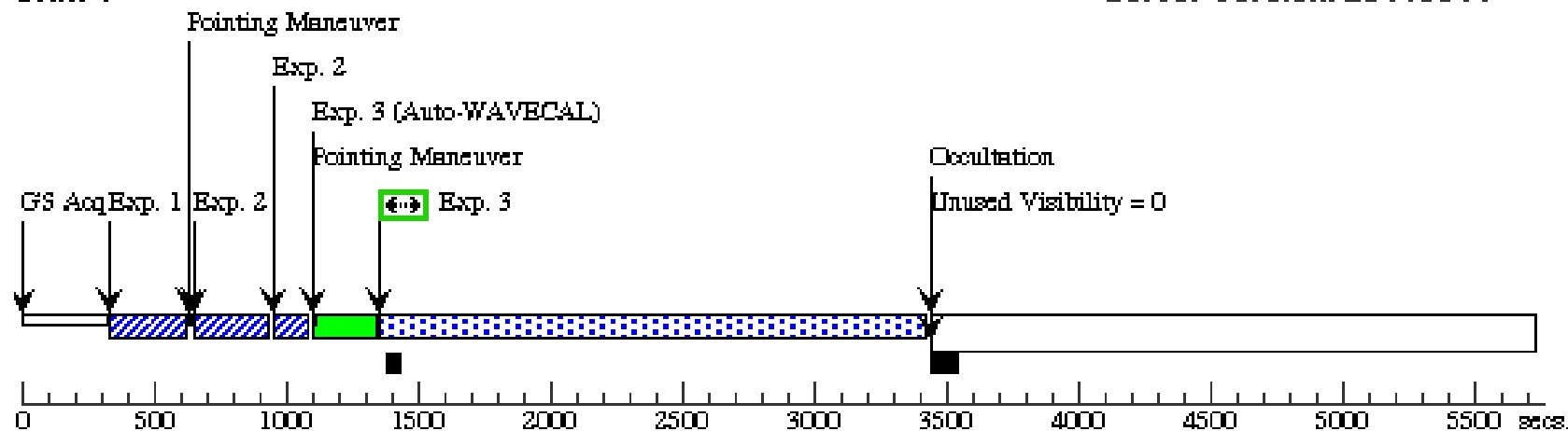


Proposal 12278 - Visit 61 - Advanced Spectral Library Project: Cool Stars

Visit	Proposal 12278, Visit 61, scheduling								Sat Aug 20 01:21:22 GMT 2011	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA, STIS/NUV-MAMA									
	Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(6)	HD159181	RA: 17 30 25.9450 (262.6081042d)	Proper Motion RA: -0.0017 sec of time/yr	V=+2.79+/-0.1	Reference Frame: ICRS				
		Alt Name1: BET-DRA	Dec: +52 18 5.11 (52.30142d)	Proper Motion Dec: +0.012 arcsec/yr						
			Equinox: J2000	Parallax: 0.0090"						
			Epoch of Position: 2010							
			Radial Velocity: -20.0 km/sec							
	Comments: Rastaban; Beta Dra; G2Iab									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(6) HD159181	STIS/CCD, ACQ, F25ND5	MIRROR				0.2 Secs	
									[==>]	[1]
	Comments: C&K G0I, 5500,1.5; STIS.A316911; sat-time= 32.2s									
	2		(6) HD159181	STIS/CCD, ACQ/PEAK, 0.2X0.06	G430M				0.1 Secs	
					3936 A				[==>]	[1]
	Comments: C&K G0I, 5500,1.5; STIS.A316925; sat-time= 3.6s									
	3		(6) HD159181	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H				2057 Secs	
					2263 A				[==>]	[1]
	4		(6) HD159181	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H				1527 Secs X 2	
					2513 A				[==>(Copy 1)]	
									[==>(Copy 2)]	[2]
	5		(6) HD159181	STIS/NUV-MAMA, ACCUM, 0.2X0.2	E230M				1527 Secs X 2	
					1978 A				[==>(Copy 1)]	
									[==>(Copy 2)]	[3]
6		(6) HD159181	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M				1527 Secs X 2		
				1425 A				[==>(Copy 1)]		
								[==>(Copy 2)]	[4]	

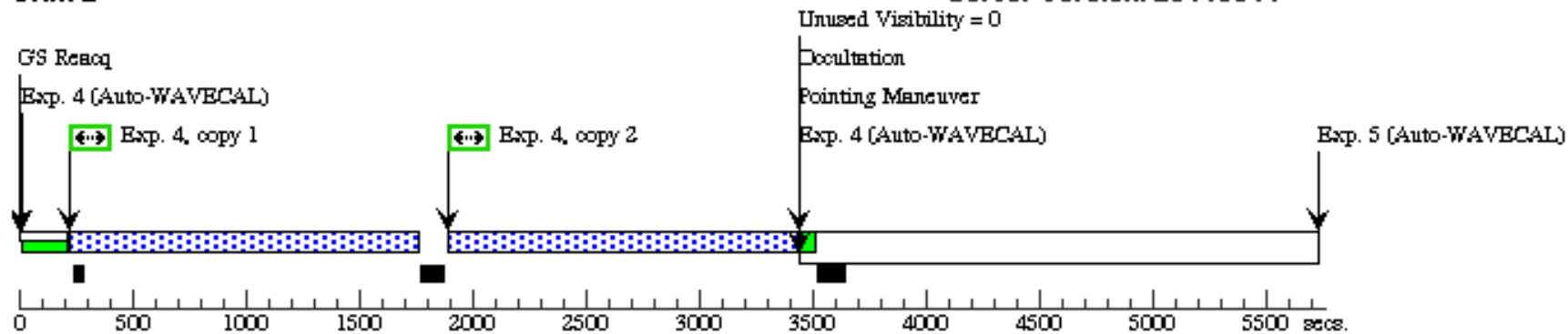
Orbit 1

Server Version: 20110811



Orbit 2

Server Version: 20110811

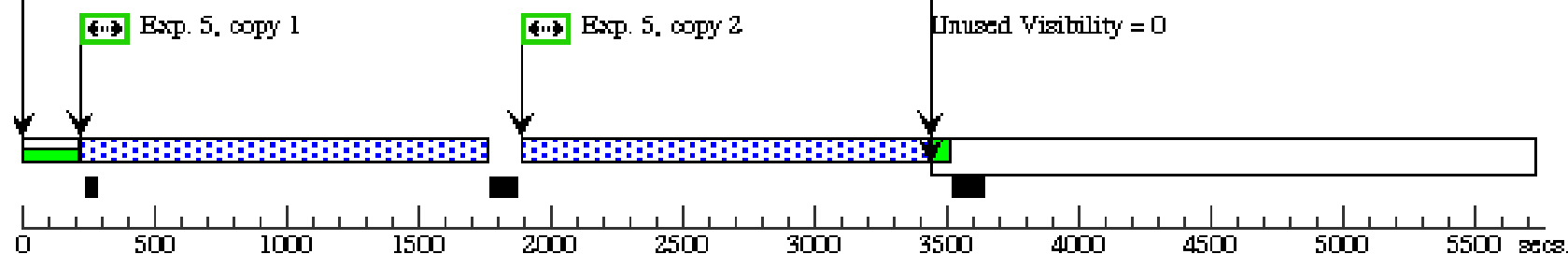


Orbit 3

Server Version: 20110811

Exp. 5 (cont'd) (Auto-WAVECAL)

GS Recq

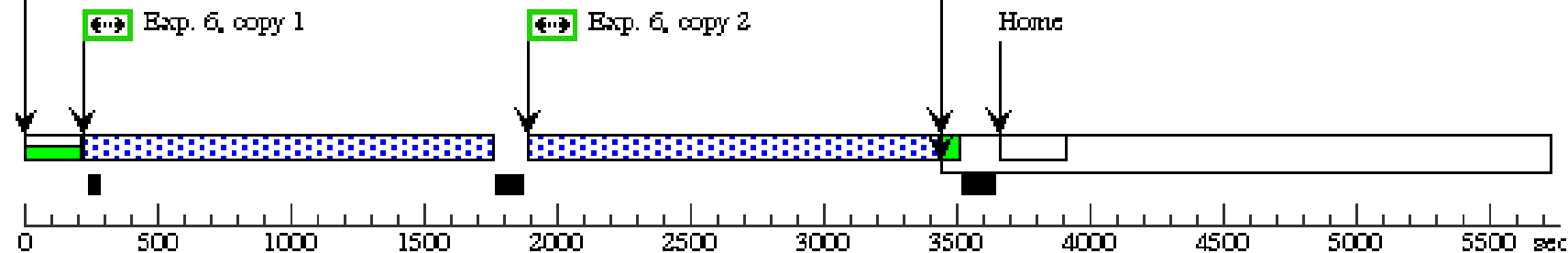


Orbit 4

Server Version: 20110811

Exp. 6 (Auto-WAVECAL)

GS Recq

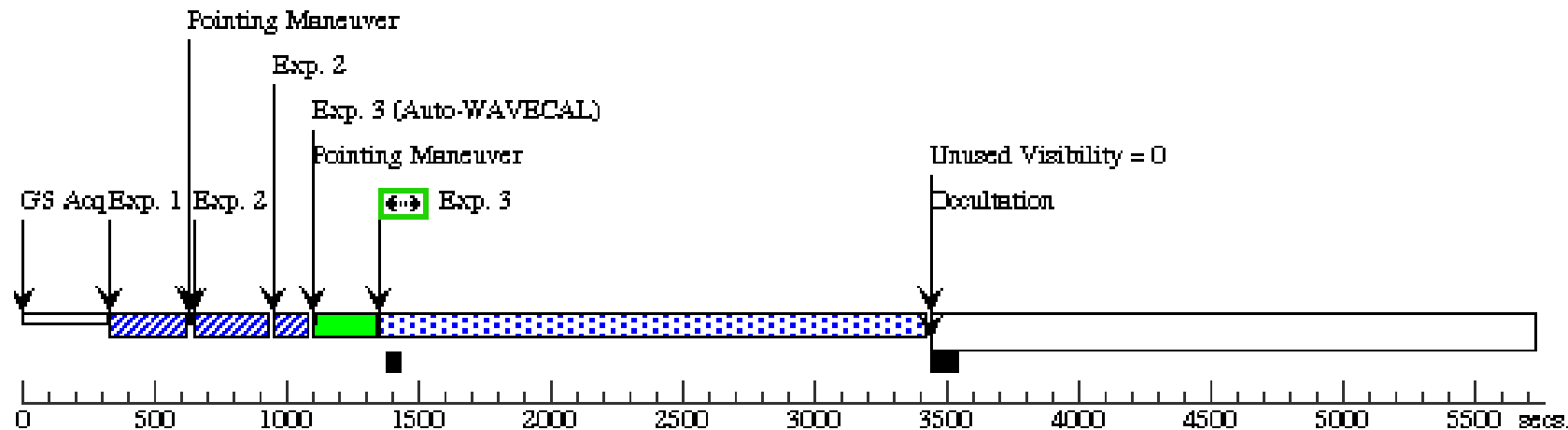


Proposal 12278 - Visit 62 - Advanced Spectral Library Project: Cool Stars

Visit	Proposal 12278, Visit 62, scheduling								Sat Aug 20 01:21:23 GMT 2011	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA, STIS/NUV-MAMA									
	Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(6)	HD159181	RA: 17 30 25.9450 (262.6081042d)	Proper Motion RA: -0.0017 sec of time/yr	V=+2.79+/-0.1	Reference Frame: ICRS				
		Alt Name1: BET-DRA	Dec: +52 18 5.11 (52.30142d)	Proper Motion Dec: +0.012 arcsec/yr						
			Equinox: J2000	Parallax: 0.0090"						
			Epoch of Position: 2010							
			Radial Velocity: -20.0 km/sec							
	Comments: Rastaban; Beta Dra; G2Iab									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(6) HD159181	STIS/CCD, ACQ, F25ND5	MIRROR				0.2 Secs	
									[==>]	[1]
	Comments: C&K G0I, 5500,1.5; STIS.A316911; sat-time= 32.2s									
	2		(6) HD159181	STIS/CCD, ACQ/PEAK, 0.2X0.06	G430M				0.1 Secs	
					3936 A				[==>]	[1]
	Comments: C&K G0I, 5500,1.5; STIS.A316925; sat-time= 3.6s									
	3		(6) HD159181	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H				2057 Secs	
					2513 A				[==>]	[1]
	4		(6) HD159181	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H				1527 Secs X 2	
					2762 A				[==>(Copy 1)]	
									[==>(Copy 2)]	[2]
	5		(6) HD159181	STIS/NUV-MAMA, ACCUM, 0.2X0.2	E230M				1527 Secs X 2	
					1978 A				[==>(Copy 1)]	
									[==>(Copy 2)]	[3]
6		(6) HD159181	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M				1527 Secs X 2		
				1425 A				[==>(Copy 1)]		
								[==>(Copy 2)]	[4]	

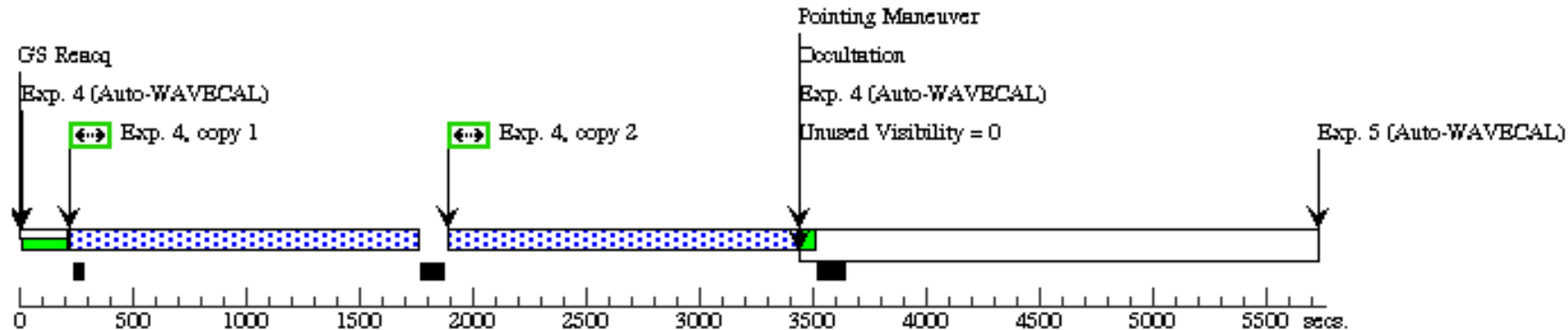
Orbit 1

Server Version: 20110811



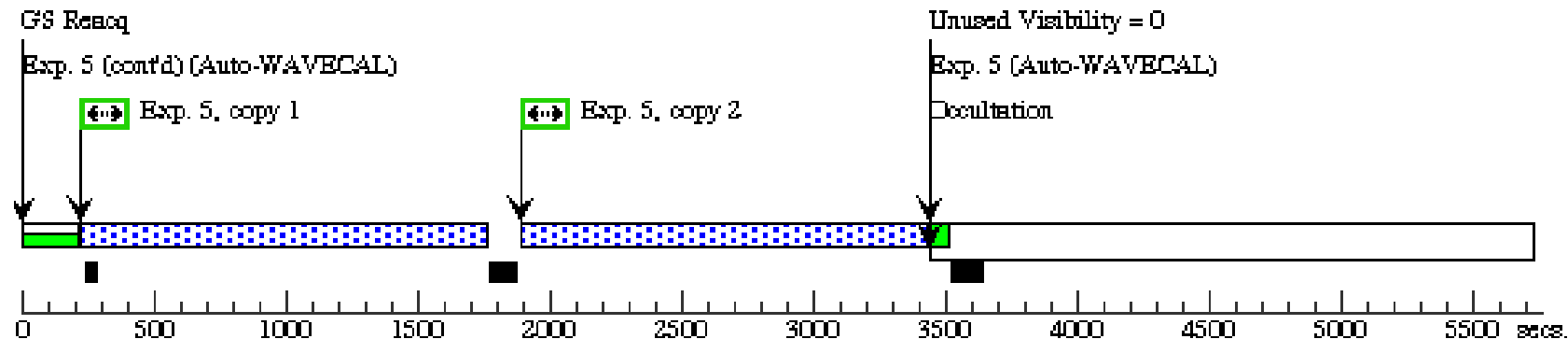
Orbit 2

Server Version: 20110811



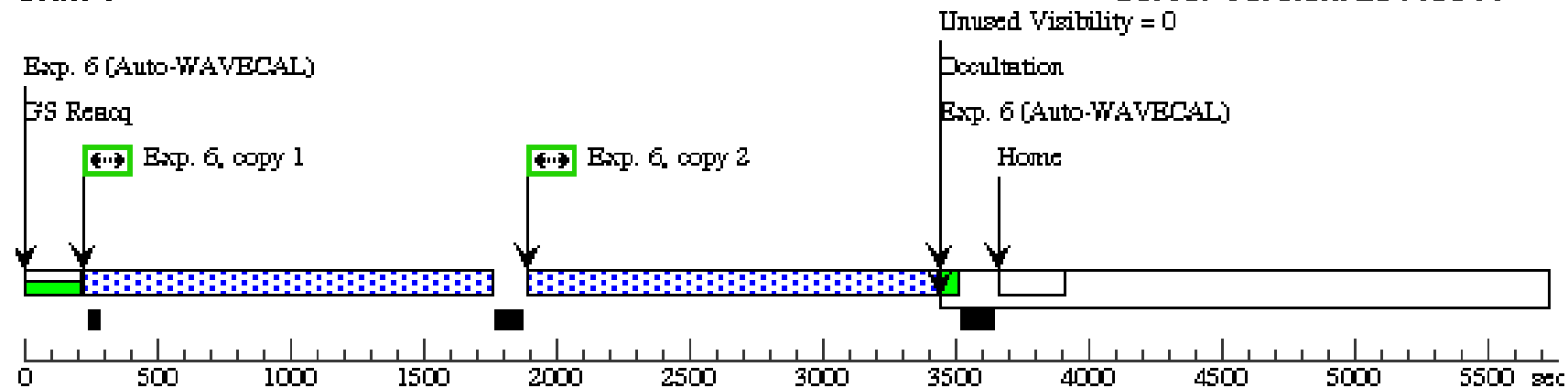
Orbit 3

Server Version: 20110811



Orbit 4

Server Version: 20110811

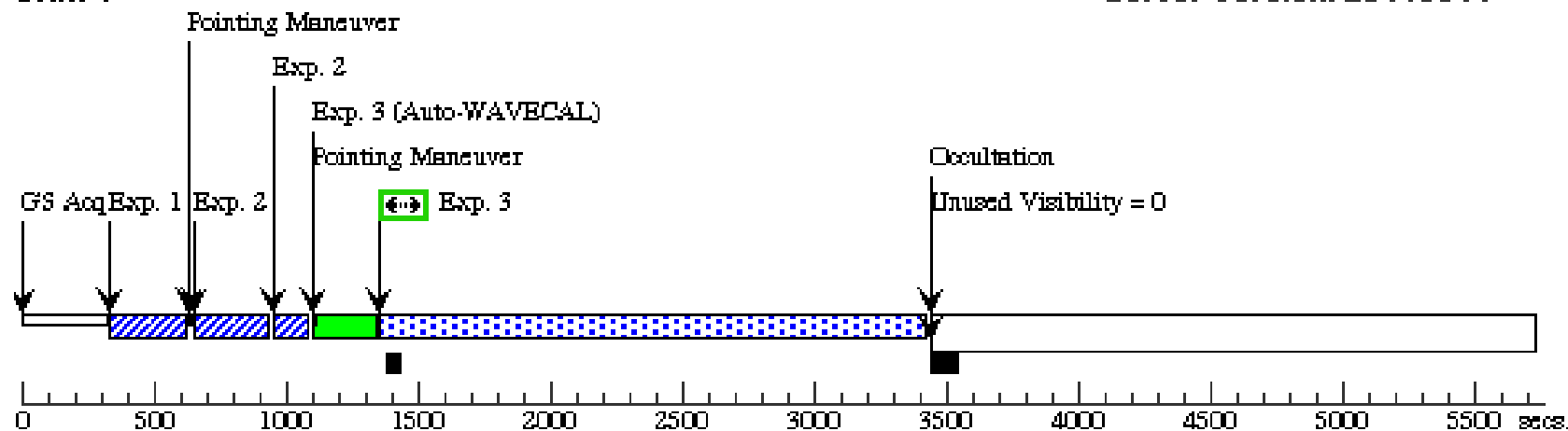


Proposal 12278 - Visit 63 - Advanced Spectral Library Project: Cool Stars

Visit	Proposal 12278, Visit 63, scheduling								Sat Aug 20 01:21:23 GMT 2011	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA, STIS/NUV-MAMA									
	Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(6)	HD159181	RA: 17 30 25.9450 (262.6081042d)	Proper Motion RA: -0.0017 sec of time/yr	V=+2.79+/-0.1	Reference Frame: ICRS				
		Alt Name1: BET-DRA	Dec: +52 18 5.11 (52.30142d)	Proper Motion Dec: +0.012 arcsec/yr						
			Equinox: J2000	Parallax: 0.0090"						
			Epoch of Position: 2010							
			Radial Velocity: -20.0 km/sec							
	Comments: Rastaban; Beta Dra; G2Iab									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(6) HD159181	STIS/CCD, ACQ, F25ND5	MIRROR				0.2 Secs	
									[==>]	[1]
	Comments: C&K G0I, 5500,1.5; STIS.A316911; sat-time= 32.2s									
	2		(6) HD159181	STIS/CCD, ACQ/PEAK, 0.2X0.06	G430M				0.1 Secs	
					3936 A				[==>]	[1]
	Comments: C&K G0I, 5500,1.5; STIS.A316925; sat-time= 3.6s									
	3		(6) HD159181	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H				2057 Secs	
					2762 A				[==>]	[1]
	4		(6) HD159181	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H				1527 Secs X 2	
					2263 A				[==>(Copy 1)]	[2]
									[==>(Copy 2)]	
	5		(6) HD159181	STIS/NUV-MAMA, ACCUM, 0.2X0.2	E230M				1527 Secs X 2	
					1978 A				[==>(Copy 1)]	[3]
									[==>(Copy 2)]	
	6		(6) HD159181	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M				1527 Secs X 2	
					1425 A				[==>(Copy 1)]	[4]
									[==>(Copy 2)]	

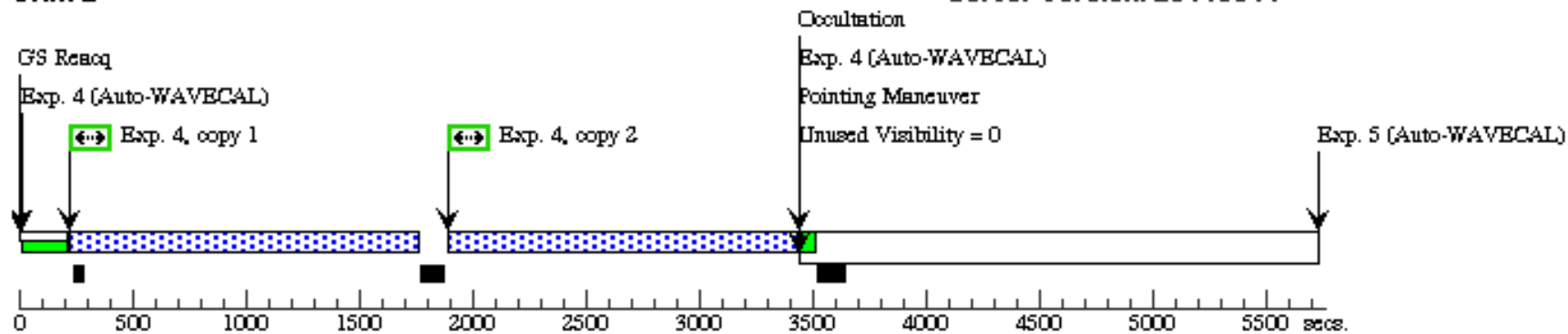
Orbit 1

Server Version: 20110811



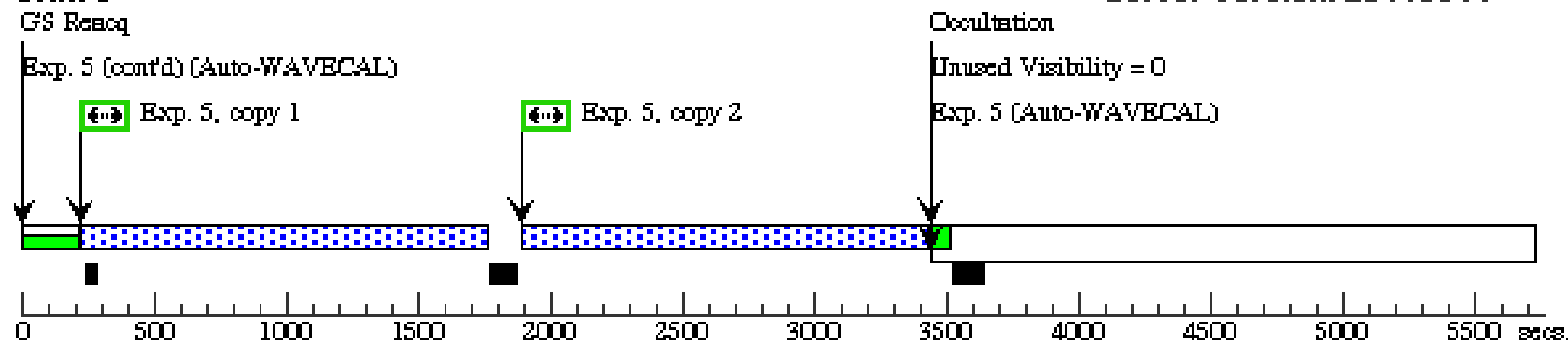
Orbit 2

Server Version: 20110811



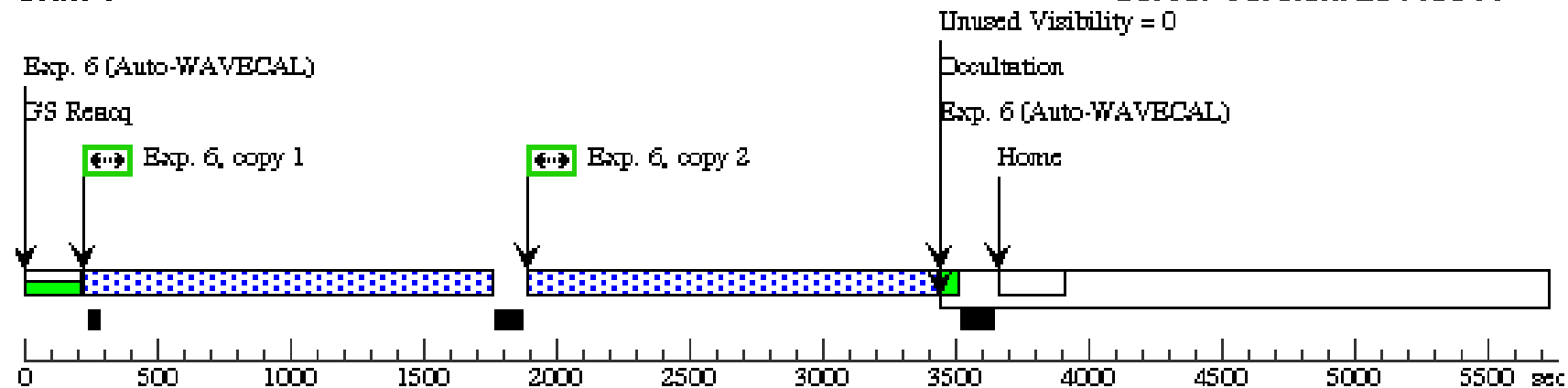
Orbit 3

Server Version: 20110811



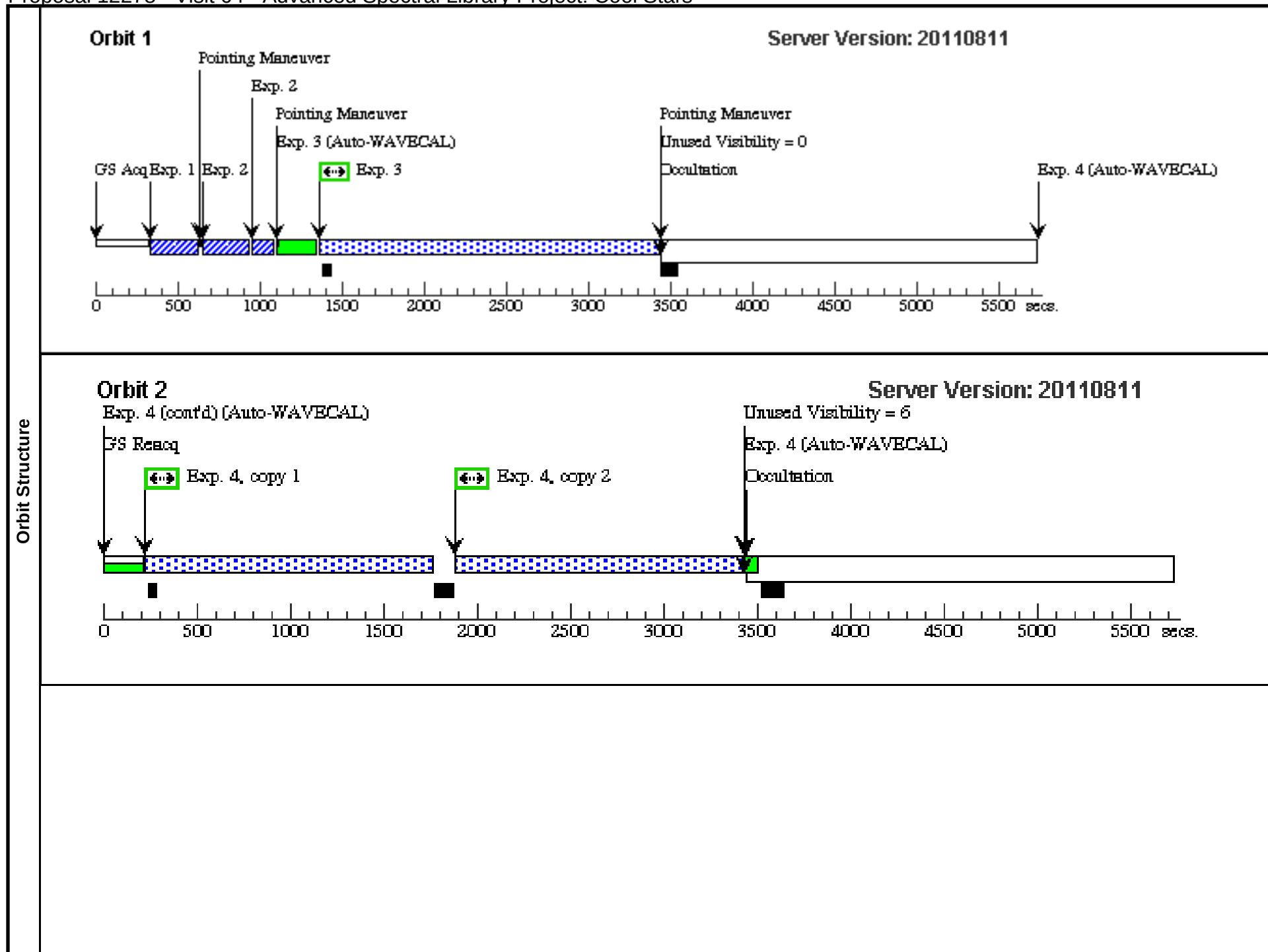
Orbit 4

Server Version: 20110811



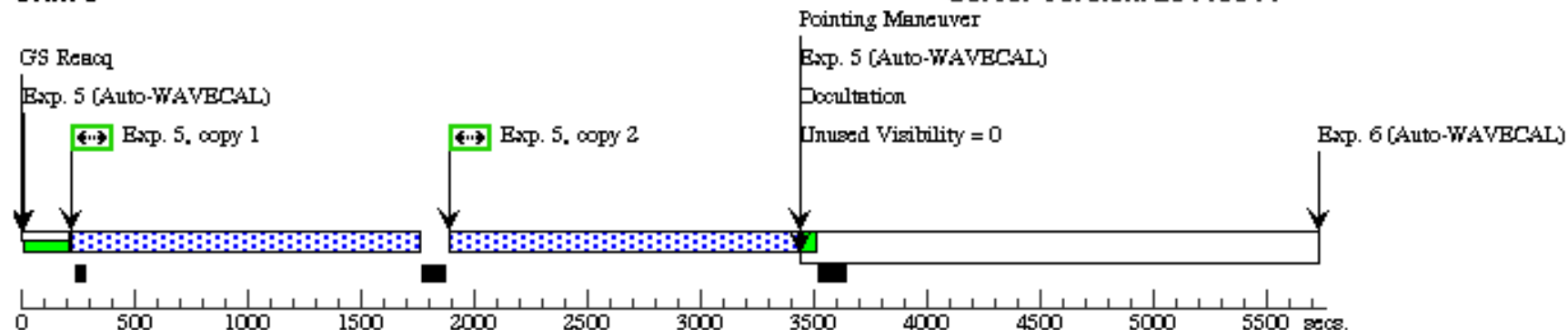
Proposal 12278 - Visit 64 - Advanced Spectral Library Project: Cool Stars

Visit	Proposal 12278, Visit 64, scheduling							Sat Aug 20 01:21:24 GMT 2011		
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA, STIS/NUV-MAMA									
	Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(6)	HD159181	RA: 17 30 25.9450 (262.6081042d)	Proper Motion RA: -0.0017 sec of time/yr	V=+2.79+/-0.1	Reference Frame: ICRS				
		Alt Name1: BET-DRA	Dec: +52 18 5.11 (52.30142d)	Proper Motion Dec: +0.012 arcsec/yr						
			Equinox: J2000	Parallax: 0.0090"						
			Epoch of Position: 2010							
			Radial Velocity: -20.0 km/sec							
	Comments: Rastaban; Beta Dra; G2Iab									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(6) HD159181	STIS/CCD, ACQ, F25ND5	MIRROR				0.2 Secs	
									[==>]	[1]
	Comments: C&K G0I, 5500,1.5; STIS.A316911; sat-time= 32.2s									
	2		(6) HD159181	STIS/CCD, ACQ/PEAK, 0.2X0.06	G430M				0.1 Secs	
					3936 A				[==>]	[1]
	Comments: C&K G0I, 5500,1.5; STIS.A316925; sat-time= 3.6s									
	3		(6) HD159181	STIS/NUV-MAMA, ACCUM, 0.2X0.2	E230H				2055 Secs	
					3012 A				[==>]	[1]
	4		(6) HD159181	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H				1524 Secs X 2	
					2513 A				[==>(Copy 1)]	
									[==>(Copy 2)]	[2]
	5		(6) HD159181	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H				1527 Secs X 2	
					2263 A				[==>(Copy 1)]	
									[==>(Copy 2)]	[3]
6		(6) HD159181	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M				1527 Secs X 2		
				1425 A				[==>(Copy 1)]		
								[==>(Copy 2)]	[4]	



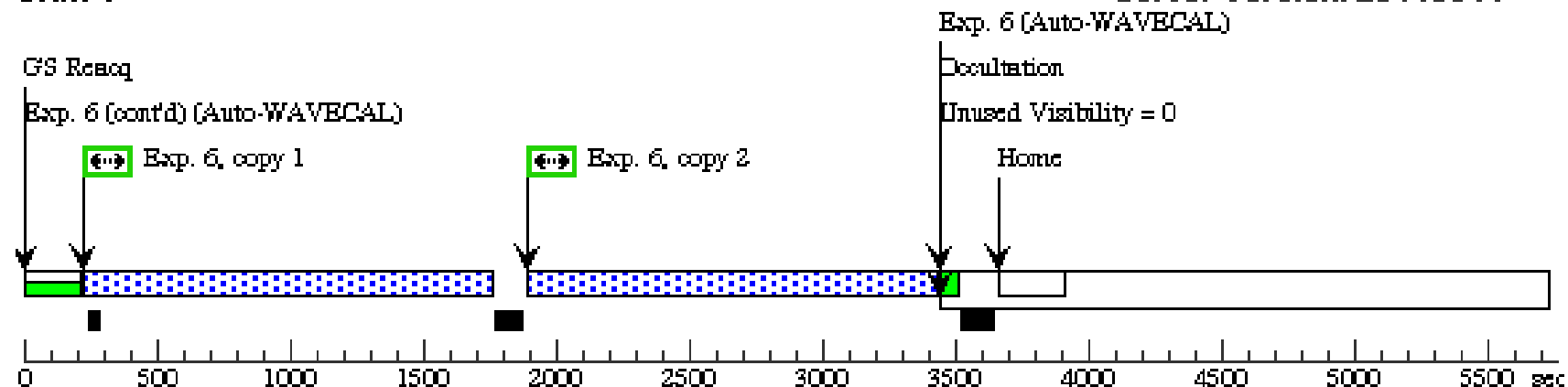
Orbit 3

Server Version: 20110811



Orbit 4

Server Version: 20110811

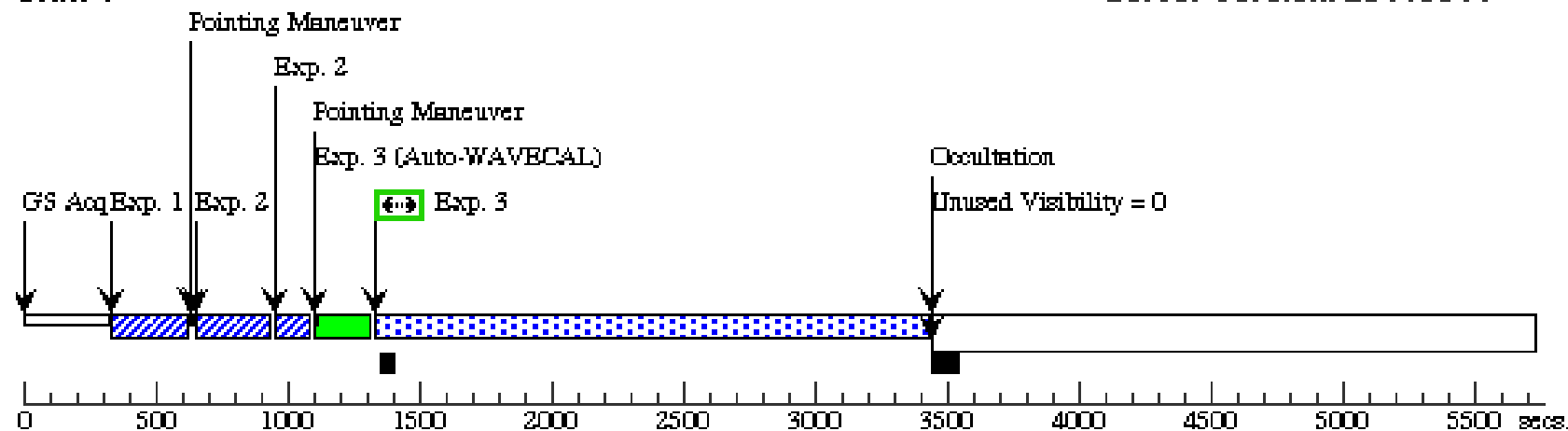


Proposal 12278 - Visit 65 - Advanced Spectral Library Project: Cool Stars

Visit	Proposal 12278, Visit 65, scheduling								Sat Aug 20 01:21:25 GMT 2011	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA, STIS/NUV-MAMA									
	Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(6)	HD159181	RA: 17 30 25.9450 (262.6081042d)	Proper Motion RA: -0.0017 sec of time/yr		V=+2.79+/-0.1		Reference Frame: ICRS		
		Alt Name1: BET-DRA	Dec: +52 18 5.11 (52.30142d)	Proper Motion Dec: +0.012 arcsec/yr						
			Equinox: J2000	Parallax: 0.0090"						
			Epoch of Position: 2010							
			Radial Velocity: -20.0 km/sec							
	Comments: Rastaban; Beta Dra; G2Iab									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(6) HD159181	STIS/CCD, ACQ, F25ND5	MIRROR				0.2 Secs	
									[==>]	[1]
	Comments: C&K G0I, 5500,1.5; STIS.A316911; sat-time= 32.2s									
	2		(6) HD159181	STIS/CCD, ACQ/PEAK, 0.2X0.06	G430M				0.1 Secs	
					3936 A				[==>]	[1]
	Comments: C&K G0I, 5500,1.5; STIS.A316925; sat-time= 3.6s									
	3		(6) HD159181	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M				2085 Secs	
					1425 A				[==>]	[1]
	4		(6) HD159181	STIS/NUV-MAMA, ACCUM, 0.2X0.2	E230M				1527 Secs X 2	
					1978 A				[==>(Copy 1)]	
									[==>(Copy 2)]	[2]
	5		(6) HD159181	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M				1527 Secs X 2	
				1425 A				[==>(Copy 1)]		
								[==>(Copy 2)]	[3]	

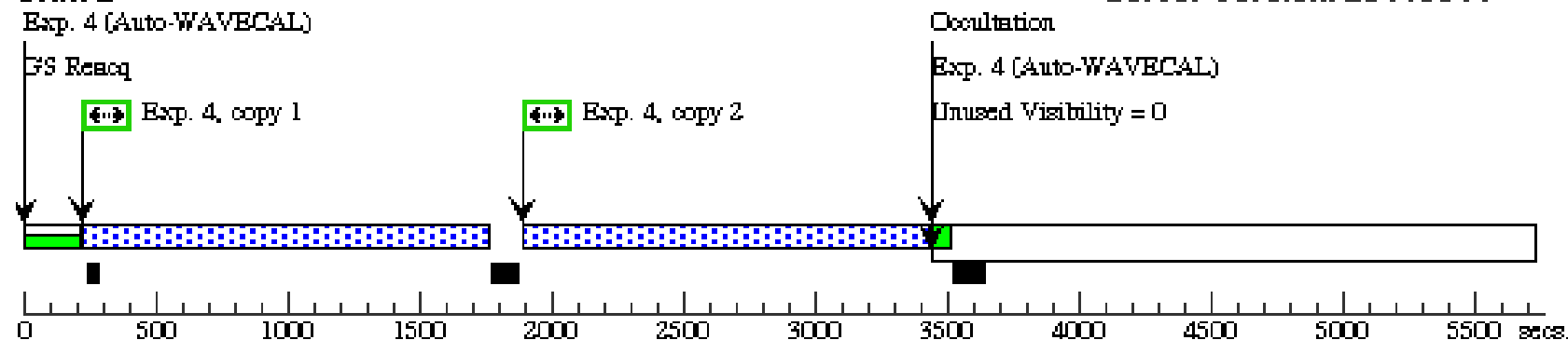
Orbit 1

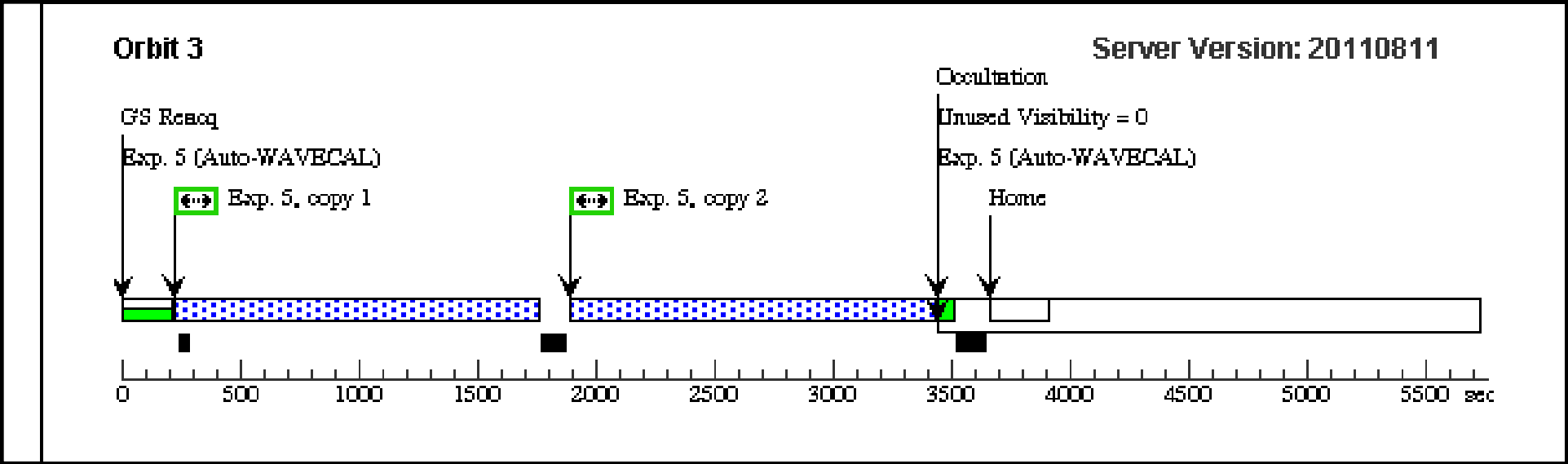
Server Version: 20110811



Orbit 2

Server Version: 20110811



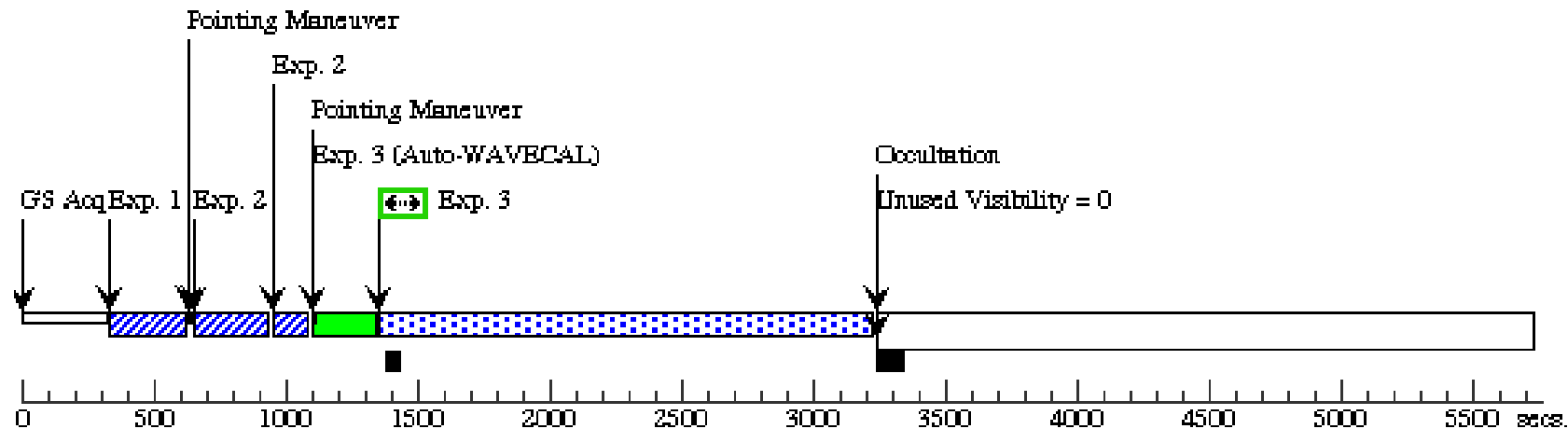


Proposal 12278 - Visit 71 - Advanced Spectral Library Project: Cool Stars

Visit	Proposal 12278, Visit 71, failed						Sat Aug 20 01:21:25 GMT 2011			
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA, STIS/NUV-MAMA									
	Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(7)	HD39801	RA: 05 55 10.3237 (88.7930154d)	Proper Motion RA: +0.0019 sec of time/yr	V=+0.58+/-0.1	Reference Frame: ICRS				
		Alt Name1: ALP-ORI	Dec: +07 24 25.54 (7.40709d)	Proper Motion Dec: +0.011 arcsec/yr						
			Equinox: J2000	Parallax: 0.0076"						
			Epoch of Position: 2010							
			Radial Velocity: +21.91 km/sec							
	Comments: Betelqeuse; Alpha Orionis; M2Iab									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(7) HD39801	STIS/CCD, ACQ, F25ND5	MIRROR				0.1 Secs	
									[==>]	[1]
	Comments: C&K M2I, 3500,0.0;STIS.A316913; sat-time=1.6s									
	2		(7) HD39801	STIS/CCD, ACQ/PEAK, 0.2X0.06	G430M				0.1 Secs	
					3936 A				[==>]	[1]
	Comments: C&K M2I, 3500,0.0;STIS.A316926; sat-time=2.1s									
	3		(7) HD39801	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H				1854 Secs	
					2263 A				[==>]	[1]
	4		(7) HD39801	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H				1425 Secs X 2	
					2513 A				[==>(Copy 1)]	[2]
									[==>(Copy 2)]	
	5		(7) HD39801	STIS/NUV-MAMA, ACCUM, 0.2X0.2	E230M				1425 Secs X 2	
					1978 A				[==>(Copy 1)]	[3]
								[==>(Copy 2)]		
6		(7) HD39801	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M				1425 Secs X 2		
				1425 A				[==>(Copy 1)]	[4]	
								[==>(Copy 2)]		

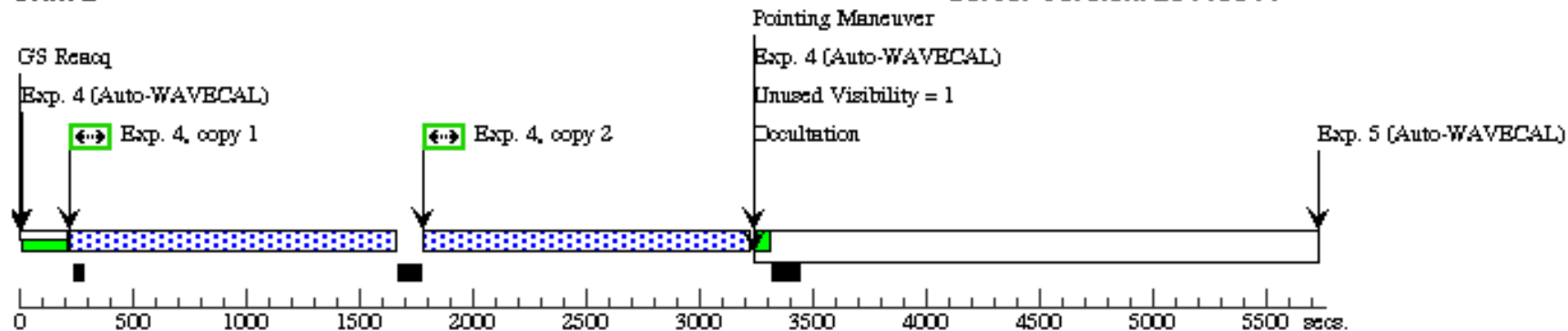
Orbit 1

Server Version: 20110811



Orbit 2

Server Version: 20110811



Orbit 3

Server Version: 20110811

Exp. 5 (cont'd) (Auto-WAVECAL)

Exp. 5 (Auto-WAVECAL)

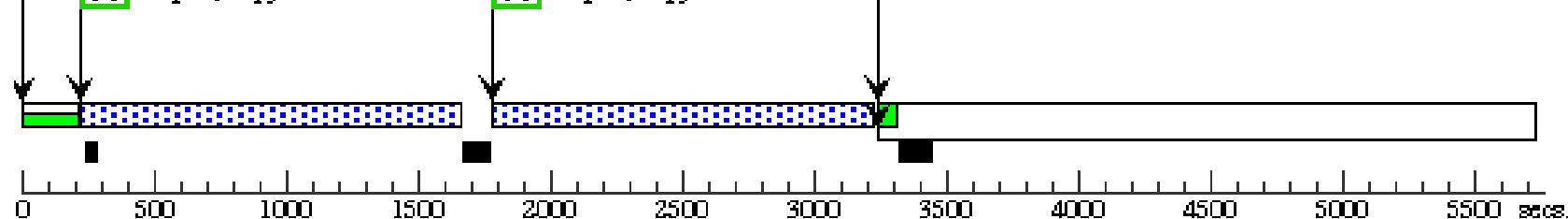
GS Recq

Unused Visibility = 1

Exp. 5, copy 1

Exp. 5, copy 2

Occultation



Orbit 4

Server Version: 20110811

Exp. 6 (Auto-WAVECAL)

Exp. 6 (Auto-WAVECAL)

GS Recq

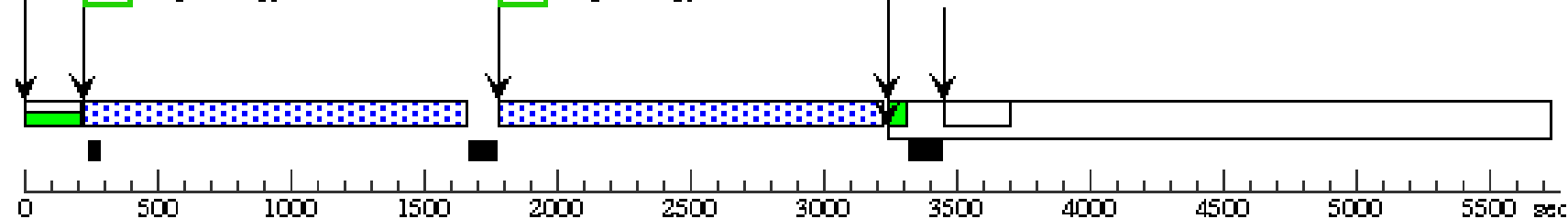
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Exp. 6, copy 1

Exp. 6, copy 2

Occultation

Home

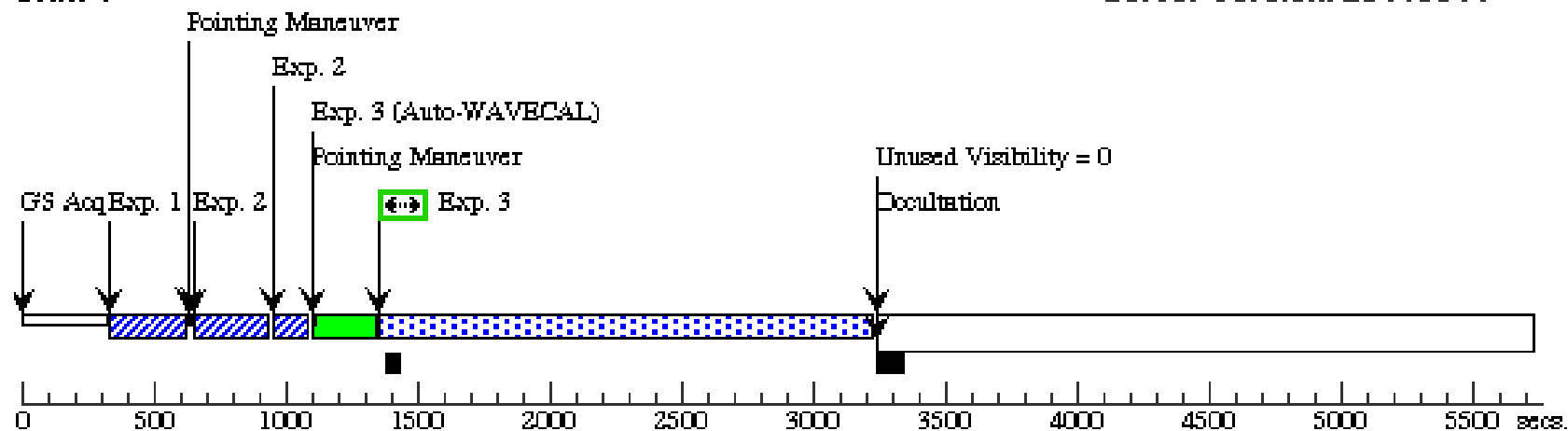


Proposal 12278 - Visit 72 - Advanced Spectral Library Project: Cool Stars

Visit	Proposal 12278, Visit 72, completed								Sat Aug 20 01:21:26 GMT 2011	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA, STIS/NUV-MAMA									
	Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(7)	HD39801	RA: 05 55 10.3237 (88.7930154d)	Proper Motion RA: +0.0019 sec of time/yr	V=+0.58+/-0.1	Reference Frame: ICRS				
		Alt Name1: ALP-ORI	Dec: +07 24 25.54 (7.40709d)	Proper Motion Dec: +0.011 arcsec/yr						
			Equinox: J2000	Parallax: 0.0076"						
			Epoch of Position: 2010							
			Radial Velocity: +21.91 km/sec							
	Comments: Betelgeuse; Alpha Orionis; M2Iab									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(7) HD39801	STIS/CCD, ACQ, F25ND5	MIRROR				0.1 Secs	
									[==>]	[1]
	Comments: C&K M2I, 3500,0.0;STIS.A316913; sat-time=1.6s									
	2		(7) HD39801	STIS/CCD, ACQ/PEAK, 0.2X0.06	G430M				0.1 Secs	
					3936 A				[==>]	[1]
	Comments: C&K M2I, 3500,0.0;STIS.A316926; sat-time=2.1s									
	3		(7) HD39801	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H				1854 Secs	
					2513 A				[==>]	[1]
	4		(7) HD39801	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H				1425 Secs X 2	
					2762 A				[==>(Copy 1)]	
									[==>(Copy 2)]	[2]
	5		(7) HD39801	STIS/NUV-MAMA, ACCUM, 0.2X0.2	E230M				1425 Secs X 2	
					1978 A				[==>(Copy 1)]	
									[==>(Copy 2)]	[3]
6		(7) HD39801	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M				1425 Secs X 2		
				1425 A				[==>(Copy 1)]		
								[==>(Copy 2)]	[4]	

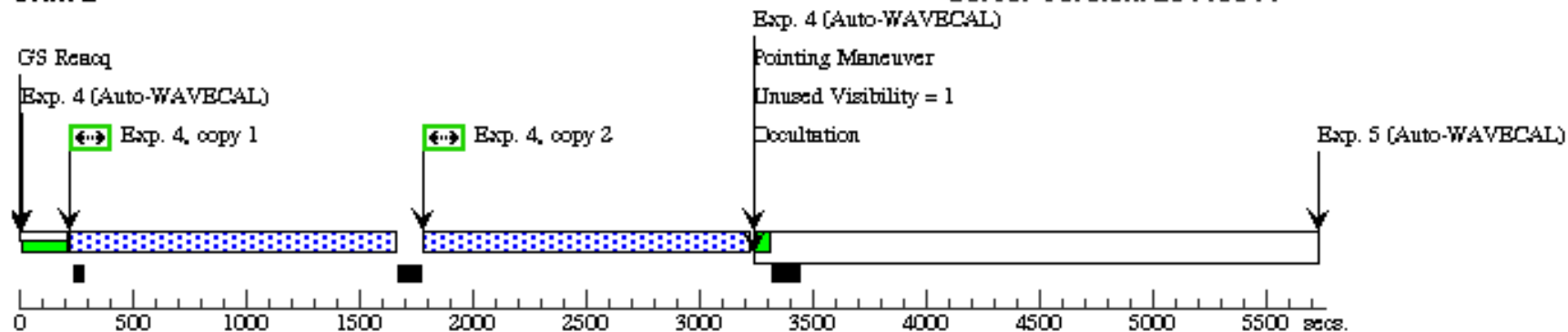
Orbit 1

Server Version: 20110811



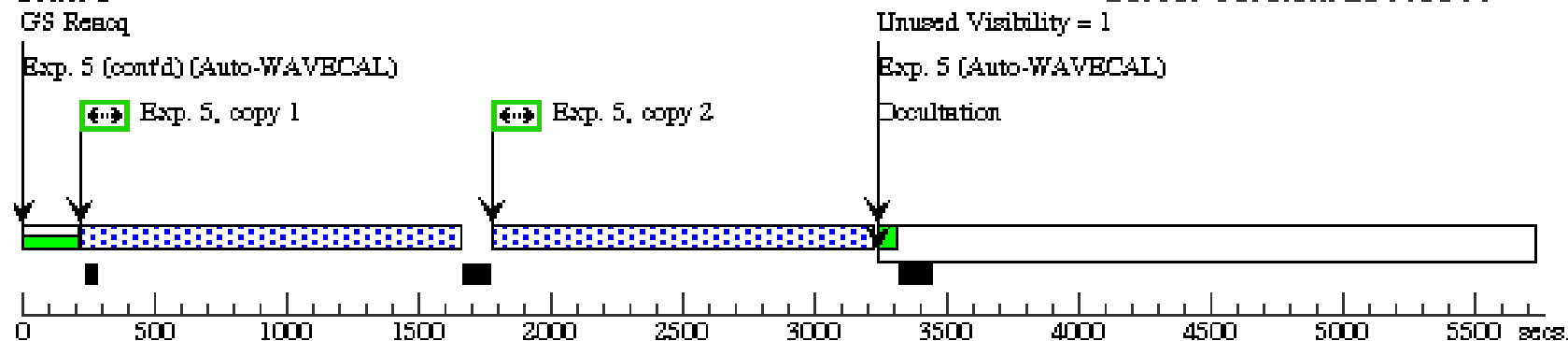
Orbit 2

Server Version: 20110811



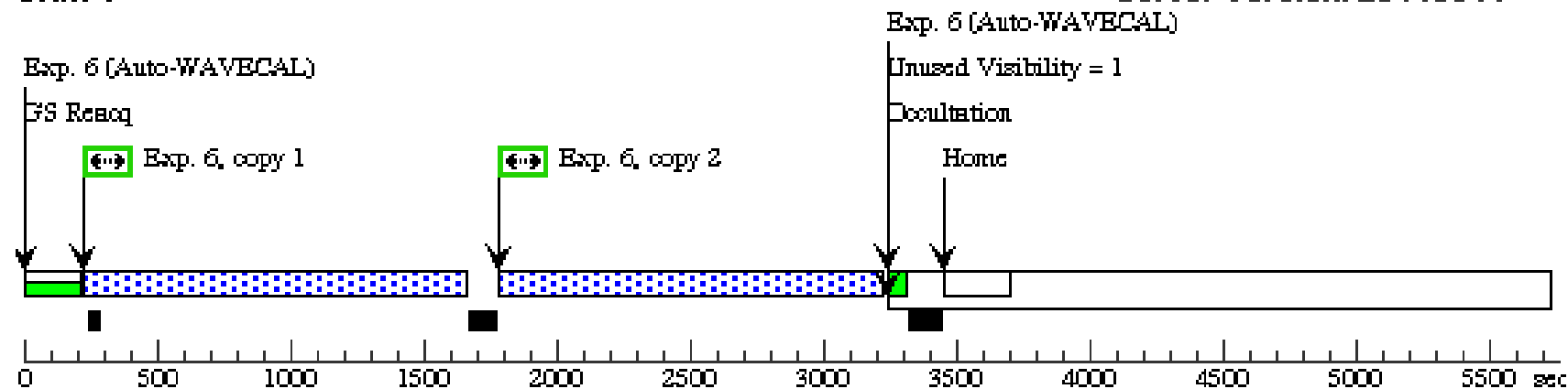
Orbit 3

Server Version: 20110811



Orbit 4

Server Version: 20110811

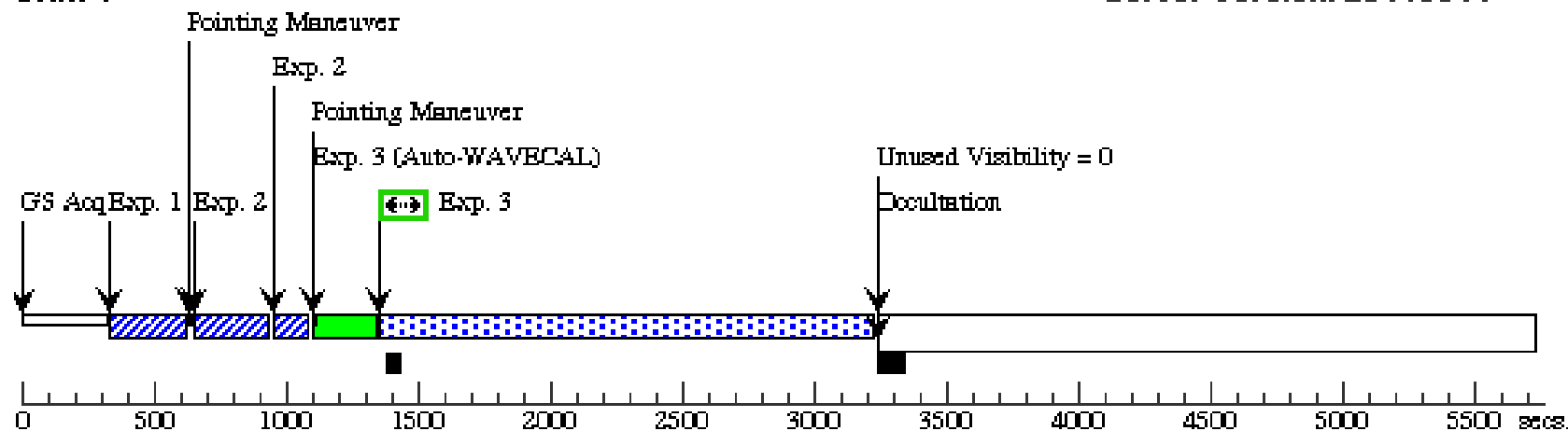


Proposal 12278 - Visit 73 - Advanced Spectral Library Project: Cool Stars

Visit	Proposal 12278, Visit 73, completed								Sat Aug 20 01:21:26 GMT 2011	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA, STIS/NUV-MAMA									
	Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(7)	HD39801	RA: 05 55 10.3237 (88.7930154d)	Proper Motion RA: +0.0019 sec of time/yr	V=+0.58+/-0.1	Reference Frame: ICRS				
		Alt Name1: ALP-ORI	Dec: +07 24 25.54 (7.40709d)	Proper Motion Dec: +0.011 arcsec/yr						
			Equinox: J2000	Parallax: 0.0076"						
			Epoch of Position: 2010							
			Radial Velocity: +21.91 km/sec							
	Comments: Betelgeuse; Alpha Orionis; M2Iab									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(7) HD39801	STIS/CCD, ACQ, F25ND5	MIRROR				0.1 Secs	
									[==>]	[1]
	Comments: C&K M2I, 3500,0.0;STIS.A316913; sat-time=1.6s									
	2		(7) HD39801	STIS/CCD, ACQ/PEAK, 0.2X0.06	G430M				0.1 Secs	
					3936 A				[==>]	[1]
	Comments: C&K M2I, 3500,0.0;STIS.A316926; sat-time=2.1s									
	3		(7) HD39801	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H				1854 Secs	
					2762 A				[==>]	[1]
	4		(7) HD39801	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H				1425 Secs X 2	
					2263 A				[==>(Copy 1)]	[2]
									[==>(Copy 2)]	
	5		(7) HD39801	STIS/NUV-MAMA, ACCUM, 0.2X0.2	E230M				1425 Secs X 2	
					1978 A				[==>(Copy 1)]	[3]
									[==>(Copy 2)]	
	6		(7) HD39801	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M				1425 Secs X 2	
					1425 A				[==>(Copy 1)]	[4]
									[==>(Copy 2)]	

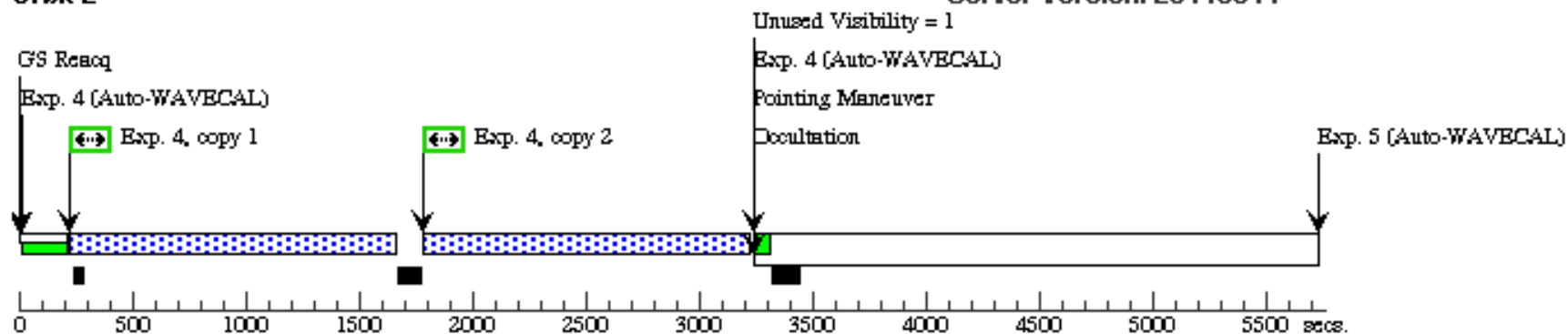
Orbit 1

Server Version: 20110811



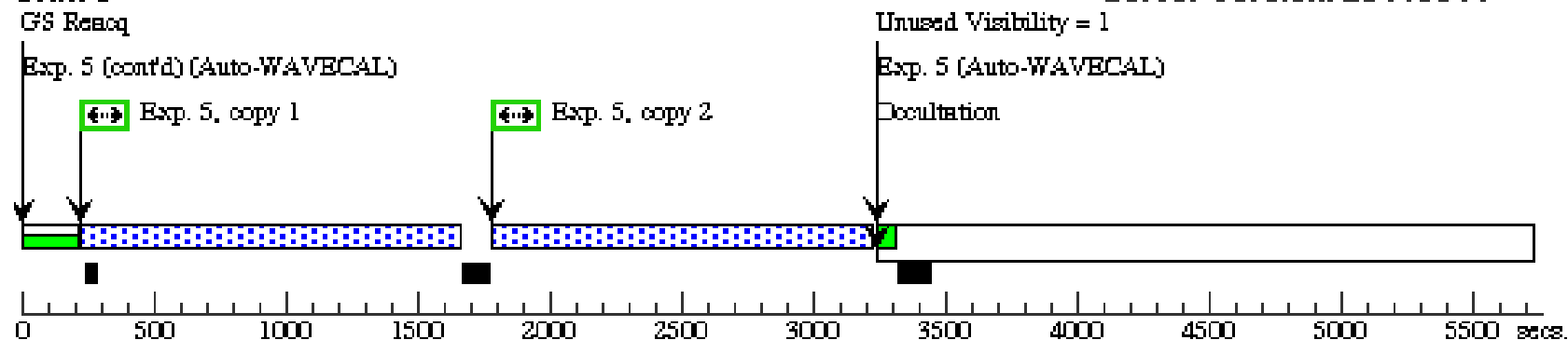
Orbit 2

Server Version: 20110811



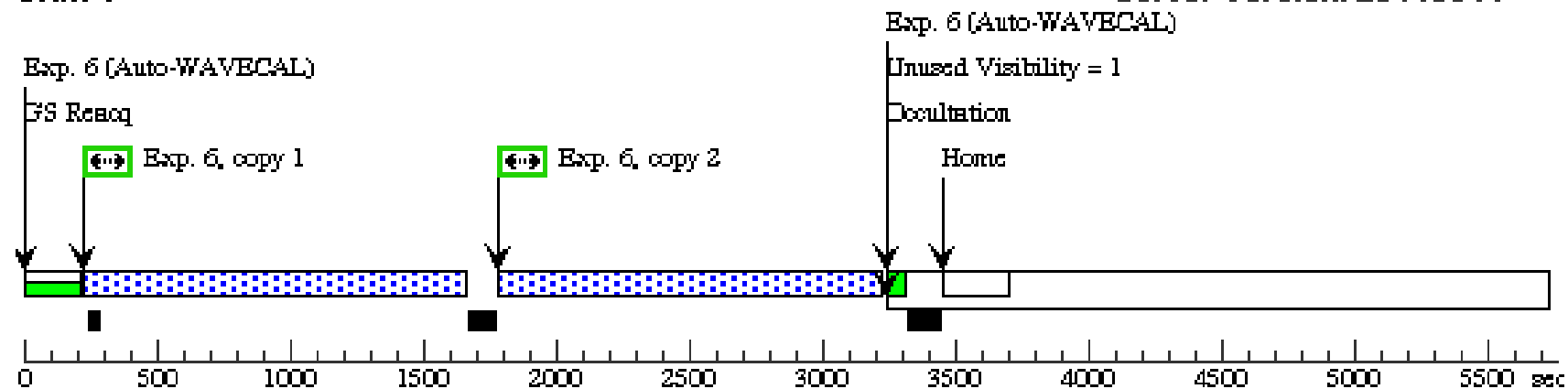
Orbit 3

Server Version: 20110811



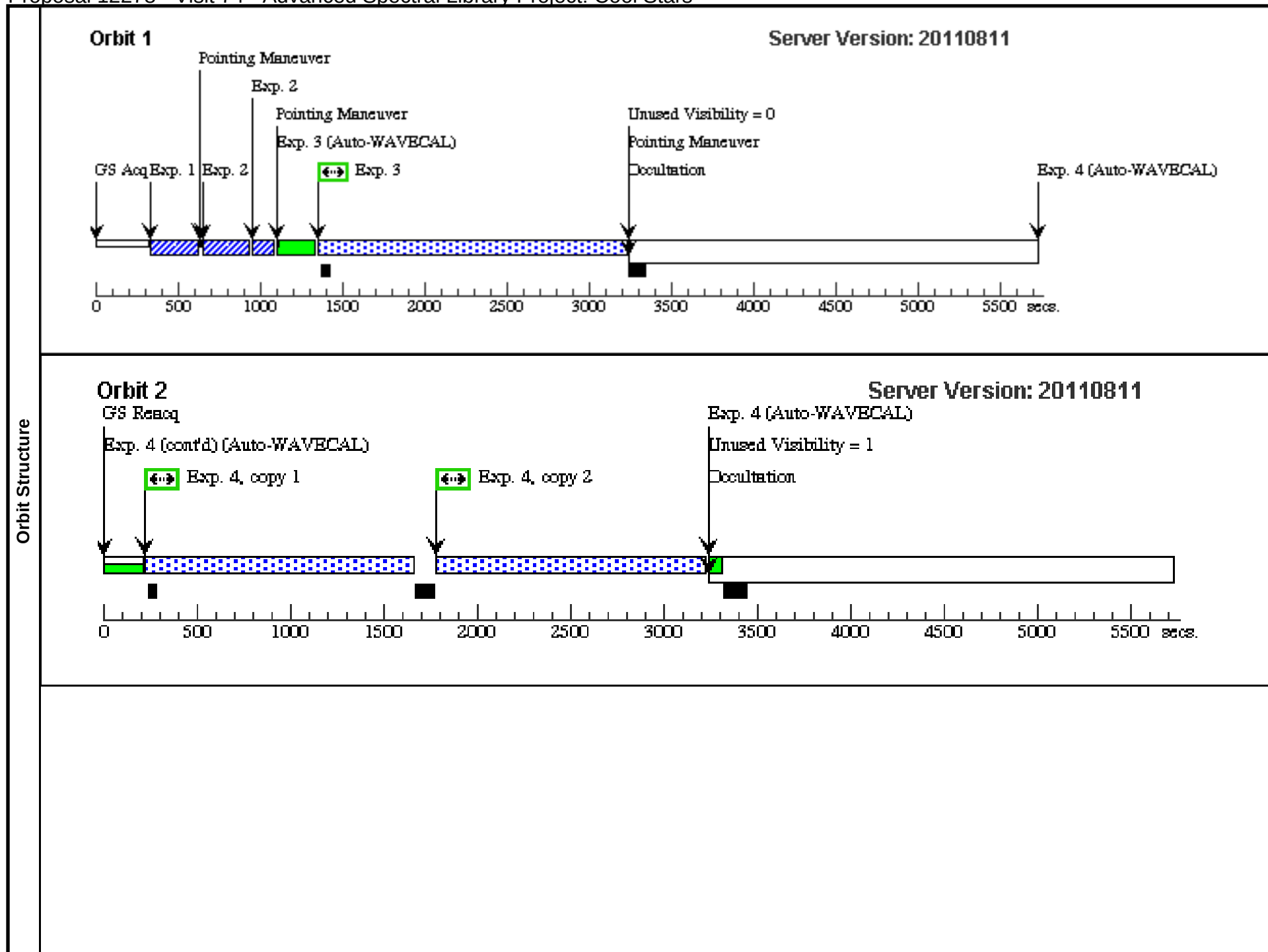
Orbit 4

Server Version: 20110811



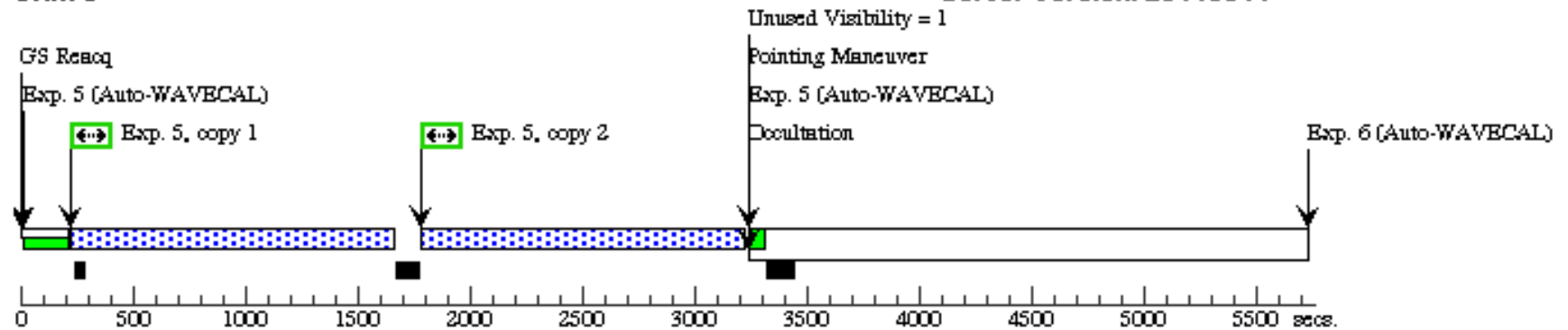
Proposal 12278 - Visit 74 - Advanced Spectral Library Project: Cool Stars

Visit	Proposal 12278, Visit 74, completed								Sat Aug 20 01:21:27 GMT 2011	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA, STIS/NUV-MAMA									
	Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(7)	HD39801	RA: 05 55 10.3237 (88.7930154d)	Proper Motion RA: +0.0019 sec of time/yr	V=+0.58+/-0.1	Reference Frame: ICRS				
		Alt Name1: ALP-ORI	Dec: +07 24 25.54 (7.40709d)	Proper Motion Dec: +0.011 arcsec/yr						
			Equinox: J2000	Parallax: 0.0076"						
			Epoch of Position: 2010							
			Radial Velocity: +21.91 km/sec							
	Comments: Betelgeuse; Alpha Orionis; M2Iab									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(7) HD39801	STIS/CCD, ACQ, F25ND5	MIRROR				0.1 Secs	
									[==>]	[1]
	Comments: C&K M2I, 3500,0.0;STIS.A316913; sat-time=1.6s									
	2		(7) HD39801	STIS/CCD, ACQ/PEAK, 0.2X0.06	G430M				0.1 Secs	
					3936 A				[==>]	[1]
	Comments: C&K M2I, 3500,0.0;STIS.A316926; sat-time=2.1s									
	3		(7) HD39801	STIS/NUV-MAMA, ACCUM, 0.2X0.2	E230M				1862 Secs	
					2707 A				[==>]	[1]
	4		(7) HD39801	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H				1425 Secs X 2	
					2513 A				[==>(Copy 1)]	[2]
									[==>(Copy 2)]	
	5		(7) HD39801	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H				1425 Secs X 2	
					2263 A				[==>(Copy 1)]	[3]
									[==>(Copy 2)]	
	6		(7) HD39801	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M				1425 Secs X 2	
				1425 A				[==>(Copy 1)]	[4]	
								[==>(Copy 2)]		



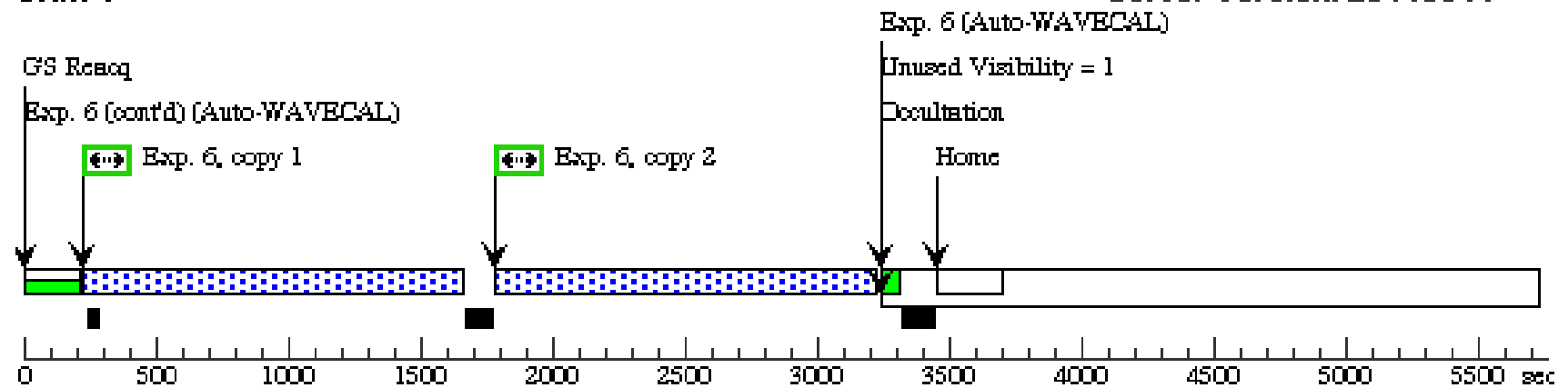
Orbit 3

Server Version: 20110811



Orbit 4

Server Version: 20110811

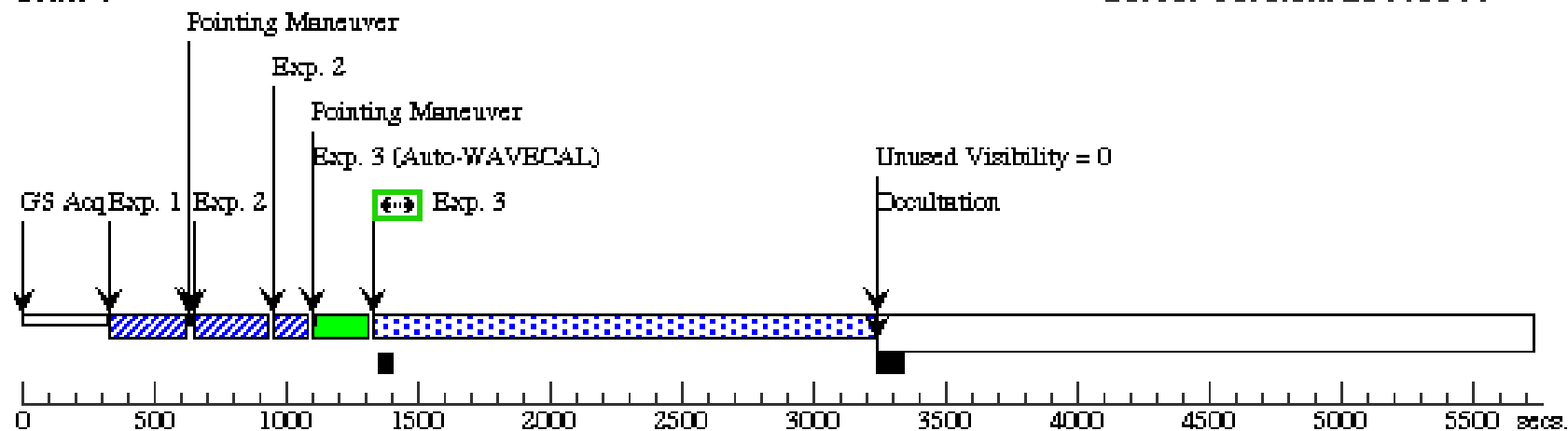


Proposal 12278 - Visit 75 - Advanced Spectral Library Project: Cool Stars

Visit	Proposal 12278, Visit 75, completed								Sat Aug 20 01:21:27 GMT 2011	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA, STIS/NUV-MAMA									
	Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(7)	HD39801	RA: 05 55 10.3237 (88.7930154d)	Proper Motion RA: +0.0019 sec of time/yr		V=+0.58+/-0.1		Reference Frame: ICRS		
		Alt Name1: ALP-ORI	Dec: +07 24 25.54 (7.40709d)	Proper Motion Dec: +0.011 arcsec/yr						
			Equinox: J2000	Parallax: 0.0076"						
				Epoch of Position: 2010						
				Radial Velocity: +21.91 km/sec						
	Comments: Betelgeuse; Alpha Orionis; M2Iab									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(7) HD39801	STIS/CCD, ACQ, F25ND5	MIRROR				0.1 Secs	
									[==>]	[1]
	Comments: C&K M2I, 3500,0.0;STIS.A316913; sat-time=1.6s									
	2		(7) HD39801	STIS/CCD, ACQ/PEAK, 0.2X0.06	G430M				0.1 Secs	
					3936 A				[==>]	[1]
	Comments: C&K M2I, 3500,0.0;STIS.A316926; sat-time=2.1s									
	3		(7) HD39801	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M				1882 Secs	
					1425 A				[==>]	[1]
	4		(7) HD39801	STIS/NUV-MAMA, ACCUM, 0.2X0.2	E230M				1425 Secs X 2	
					1978 A				[==>(Copy 1)]	
									[==>(Copy 2)]	[2]
	5		(7) HD39801	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M				1425 Secs X 2	
				1425 A				[==>(Copy 1)]		
								[==>(Copy 2)]	[3]	

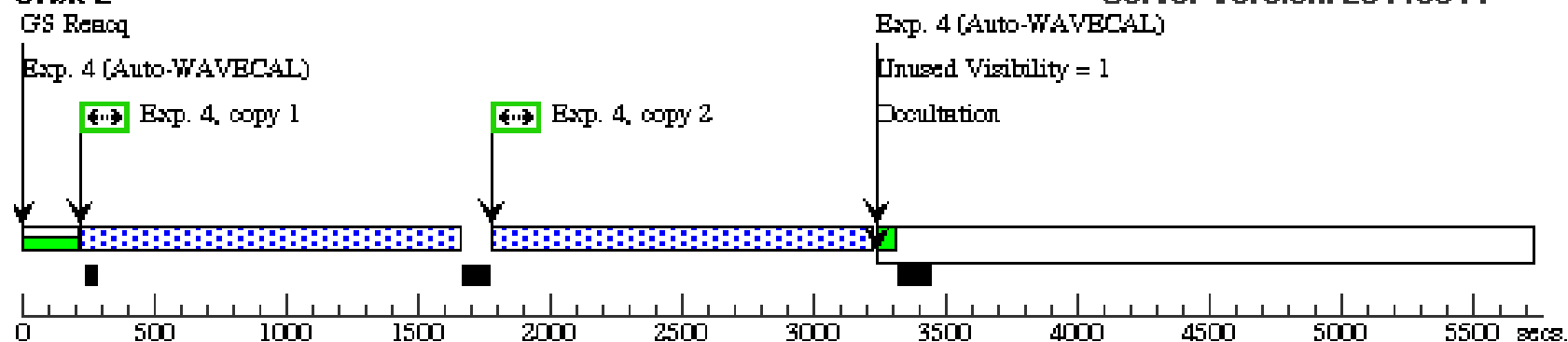
Orbit 1

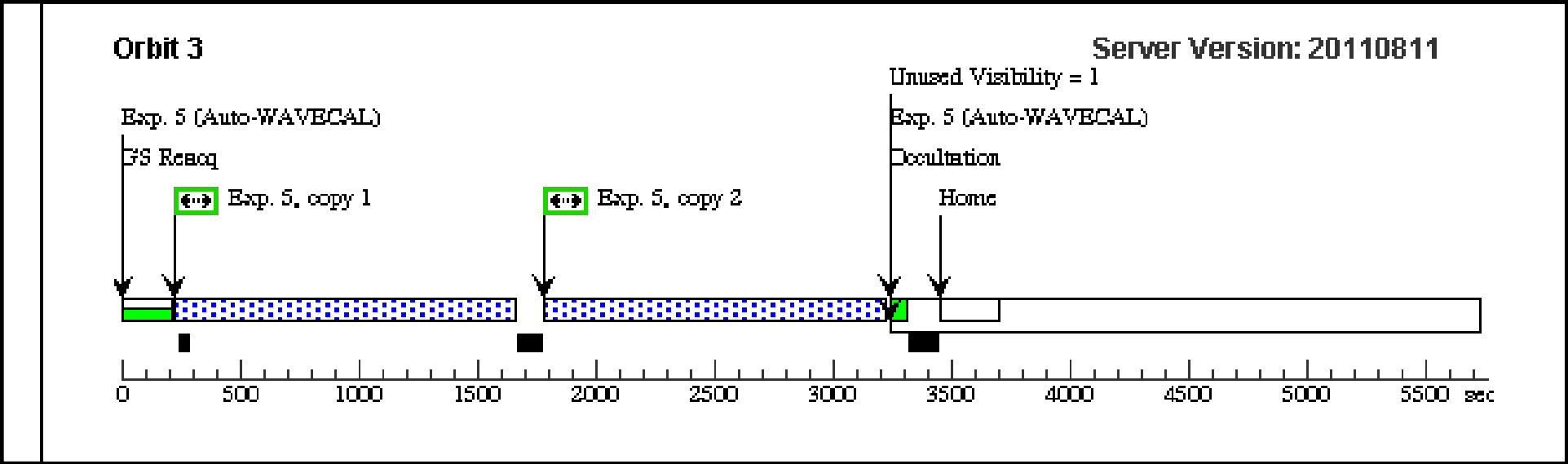
Server Version: 20110811



Orbit 2

Server Version: 20110811



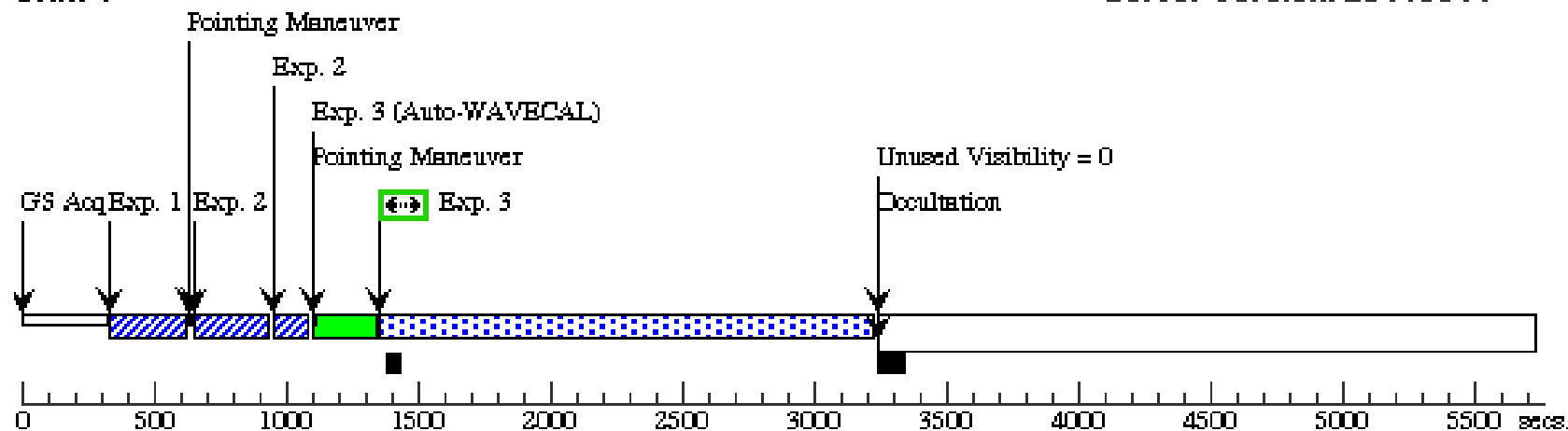


Proposal 12278 - Visit 76 - Advanced Spectral Library Project: Cool Stars

Visit	Proposal 12278, Visit 76, completed							Sat Aug 20 01:21:28 GMT 2011		
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA, STIS/NUV-MAMA									
	Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(7)	HD39801	RA: 05 55 10.3237 (88.7930154d)	Proper Motion RA: +0.0019 sec of time/yr	V=+0.58+/-0.1	Reference Frame: ICRS				
		Alt Name1: ALP-ORI	Dec: +07 24 25.54 (7.40709d)	Proper Motion Dec: +0.011 arcsec/yr						
			Equinox: J2000	Parallax: 0.0076"						
			Epoch of Position: 2010							
			Radial Velocity: +21.91 km/sec							
	Comments: Betelgeuse; Alpha Orionis; M2Iab									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(7) HD39801	STIS/CCD, ACQ, F25ND5	MIRROR				0.1 Secs	
									[==>]	[1]
	Comments: C&K M2I, 3500,0.0;STIS.A316913; sat-time=1.6s									
	2		(7) HD39801	STIS/CCD, ACQ/PEAK, 0.2X0.06	G430M				0.1 Secs	
					3936 A				[==>]	[1]
	Comments: C&K M2I, 3500,0.0;STIS.A316926; sat-time=2.1s									
	3		(7) HD39801	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H				1854 Secs	
					2263 A				[==>]	[1]
	4		(7) HD39801	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H				1425 Secs X 2	
					2513 A				[==>(Copy 1)]	[2]
									[==>(Copy 2)]	
	5		(7) HD39801	STIS/NUV-MAMA, ACCUM, 0.2X0.2	E230M				1425 Secs X 2	
					1978 A				[==>(Copy 1)]	[3]
									[==>(Copy 2)]	
	6		(7) HD39801	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M				1425 Secs X 2	
					1425 A				[==>(Copy 1)]	[4]
									[==>(Copy 2)]	

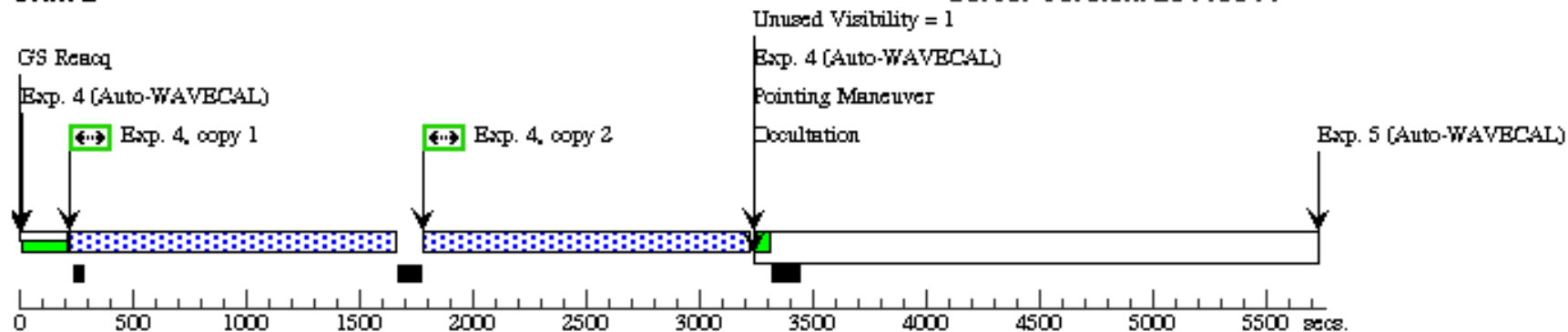
Orbit 1

Server Version: 20110811



Orbit 2

Server Version: 20110811



Orbit 3

Server Version: 20110811

Exp. 5 (cont'd) (Auto-WAVECAL)

Exp. 5 (Auto-WAVECAL)

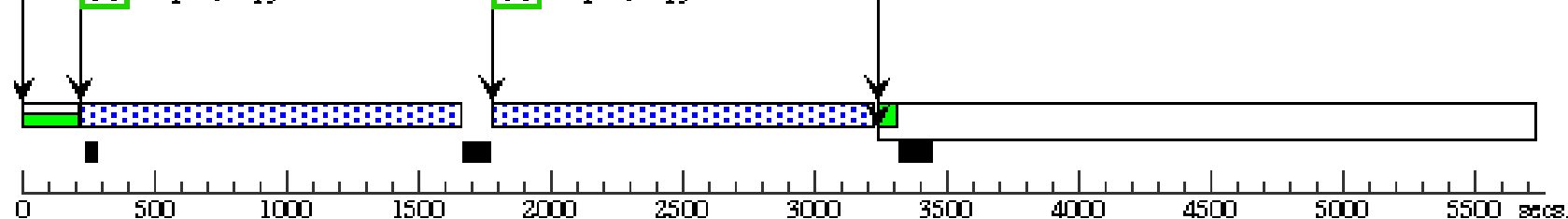
GS Req

Unused Visibility = 1

Exp. 5, copy 1

Exp. 5, copy 2

Occultation



Orbit 4

Server Version: 20110811

GS Req

Exp. 6 (Auto-WAVECAL)

Exp. 6 (Auto-WAVECAL)

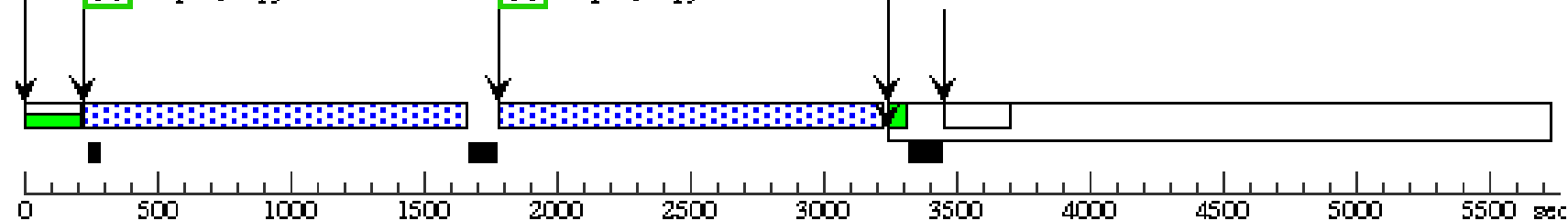
Unused Visibility = 1

Exp. 6, copy 1

Exp. 6, copy 2

Occultation

Home

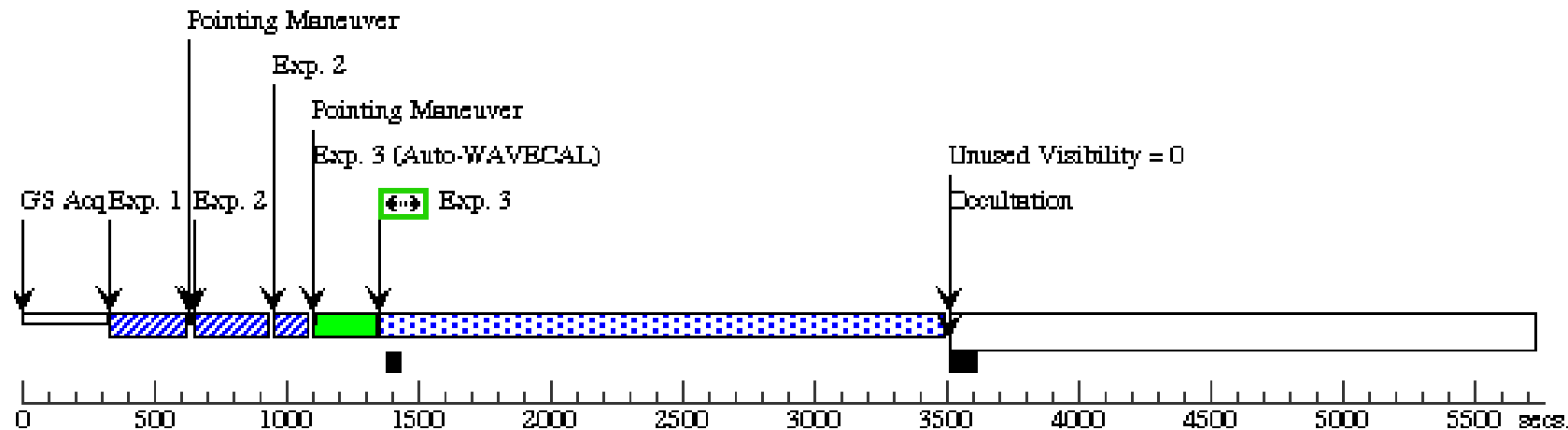


Proposal 12278 - Visit 81 - Advanced Spectral Library Project: Cool Stars

Visit	Proposal 12278, Visit 81, completed								Sat Aug 20 01:21:28 GMT 2011	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA, STIS/NUV-MAMA									
	Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(8)	HD108903	RA: 12 31 9.9936 (187.7916400d)	Proper Motion RA: +0.0035 sec of time/yr	V=1.63+/-0.1	Reference Frame: ICRS				
		Alt Name1: GAM-CRU	Dec: -57 06 50.21 (-57.11395d)	Proper Motion Dec: -0.264 arcsec/yr						
			Equinox: J2000	Parallax: 0.0371"						
			Epoch of Position: 2010							
			Radial Velocity: +21.4 km/sec							
	Comments: Gacrux; Gamma Crucis; M3.5III									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(8) HD108903	STIS/CCD, ACQ, F25ND5	MIRROR				0.1 Secs	
									[==>]	[1]
	Comments: C&K M2I, 3500,0.0;STIS.A316914; sat-time=4.1s									
	2		(8) HD108903	STIS/CCD, ACQ/PEAK, 0.2X0.06	G430M				0.1 Secs	
					3936 A				[==>]	[1]
	Comments: C&K M2I, 3500,0.0;STIS.A316928; sat-time=5.6s									
	3		(8) HD108903	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H				2123 Secs	
					2263 A				[==>]	[1]
	4		(8) HD108903	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H				1560 Secs X 2	
					2513 A				[==>(Copy 1)]	[2]
									[==>(Copy 2)]	
	5		(8) HD108903	STIS/NUV-MAMA, ACCUM, 0.2X0.2	E230M				1560 Secs X 2	
					1978 A				[==>(Copy 1)]	[3]
									[==>(Copy 2)]	
	6		(8) HD108903	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M				1560 Secs X 2	
					1425 A				[==>(Copy 1)]	[4]
									[==>(Copy 2)]	

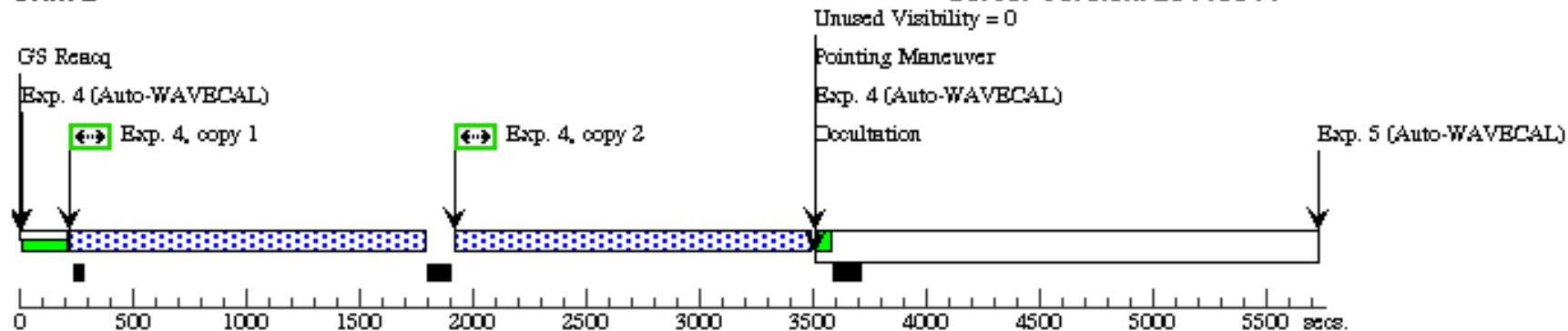
Orbit 1

Server Version: 20110811



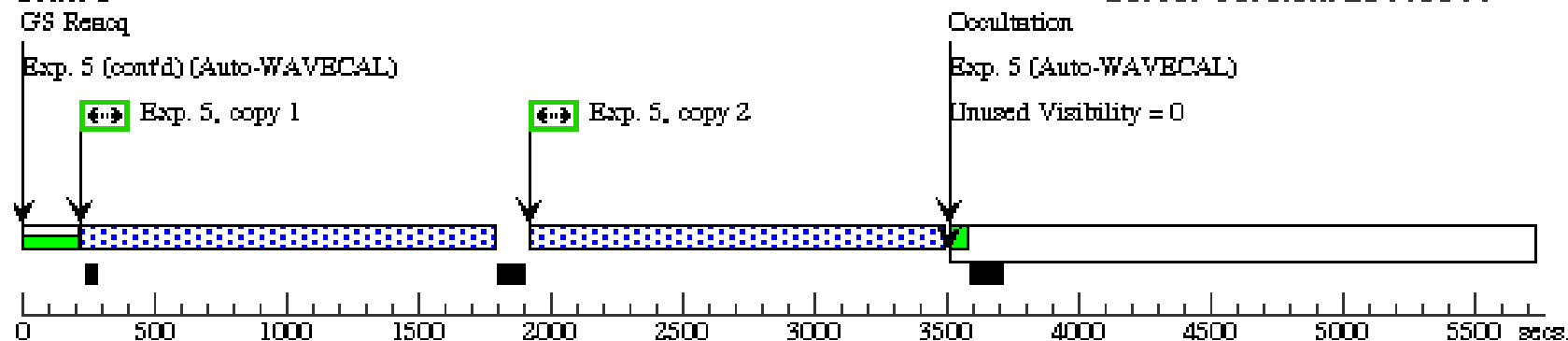
Orbit 2

Server Version: 20110811



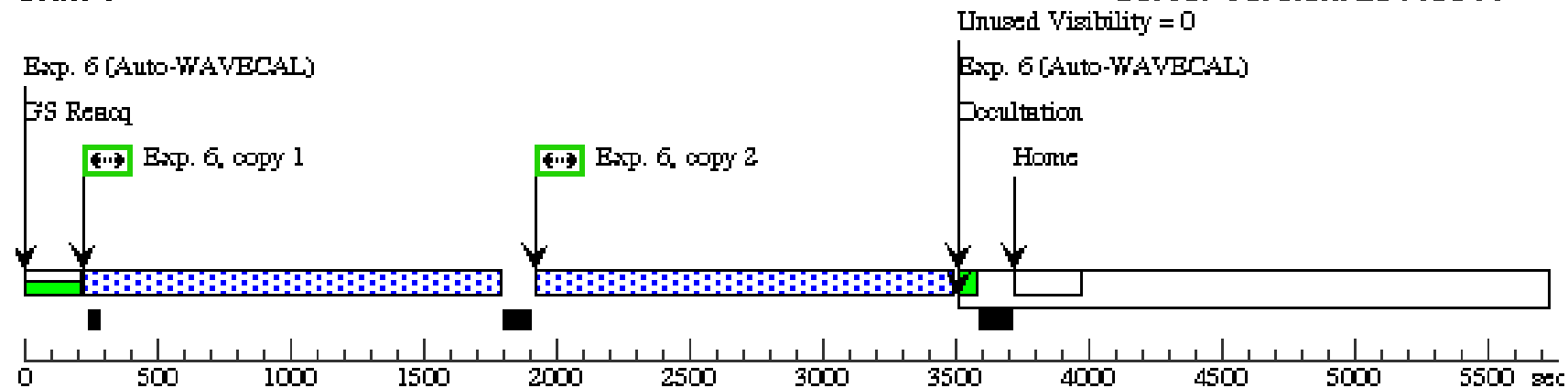
Orbit 3

Server Version: 20110811



Orbit 4

Server Version: 20110811

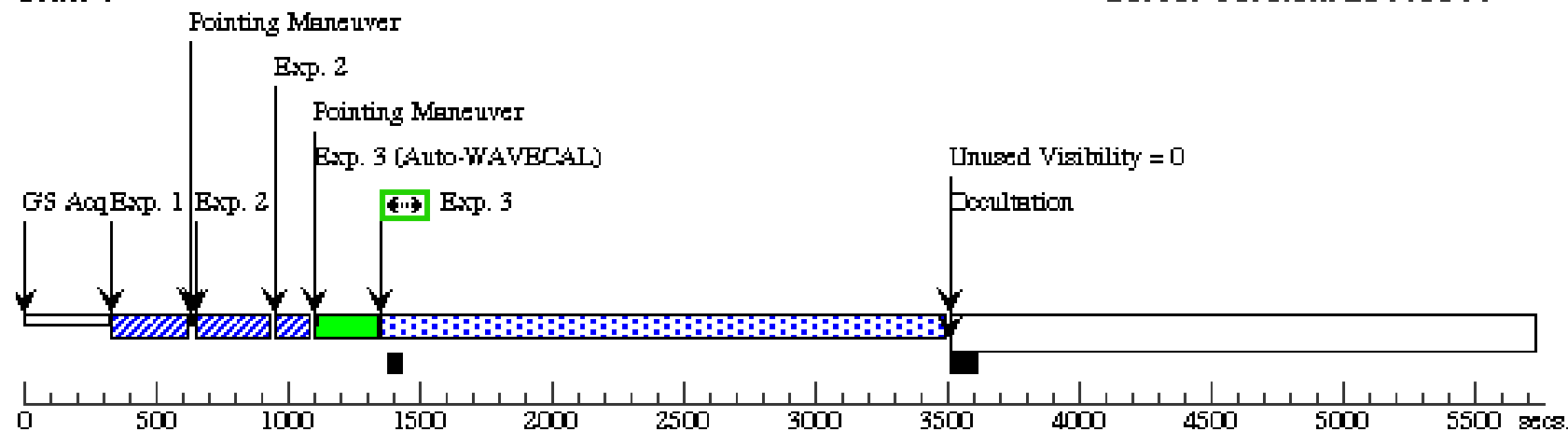


Proposal 12278 - Visit 82 - Advanced Spectral Library Project: Cool Stars

Visit	Proposal 12278, Visit 82, completed								Sat Aug 20 01:21:29 GMT 2011	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA, STIS/NUV-MAMA									
	Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(8)	HD108903	RA: 12 31 9.9936 (187.7916400d)	Proper Motion RA: +0.0035 sec of time/yr		V=1.63+/-0.1		Reference Frame: ICRS		
		Alt Name1: GAM-CRU	Dec: -57 06 50.21 (-57.11395d)	Proper Motion Dec: -0.264 arcsec/yr						
			Equinox: J2000	Parallax: 0.0371"						
			Epoch of Position: 2010							
			Radial Velocity: +21.4 km/sec							
	Comments: Gacrux; Gamma Crucis; M3.5III									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(8) HD108903	STIS/CCD, ACQ, F25ND5	MIRROR				0.1 Secs	
									[==>]	[1]
	Comments: C&K M2I, 3500,0.0;STIS.A316914; sat-time=4.1s									
	2		(8) HD108903	STIS/CCD, ACQ/PEAK, 0.2X0.06	G430M				0.1 Secs	
					3936 A				[==>]	[1]
	Comments: C&K M2I, 3500,0.0;STIS.A316928; sat-time=5.6s									
	3		(8) HD108903	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H				2123 Secs	
					2513 A				[==>]	[1]
	4		(8) HD108903	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H				1560 Secs X 2	
					2762 A				[==>(Copy 1)]	[2]
									[==>(Copy 2)]	
	5		(8) HD108903	STIS/NUV-MAMA, ACCUM, 0.2X0.2	E230M				1560 Secs X 2	
					1978 A				[==>(Copy 1)]	[3]
									[==>(Copy 2)]	
	6		(8) HD108903	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M				1560 Secs X 2	
					1425 A				[==>(Copy 1)]	[4]
									[==>(Copy 2)]	

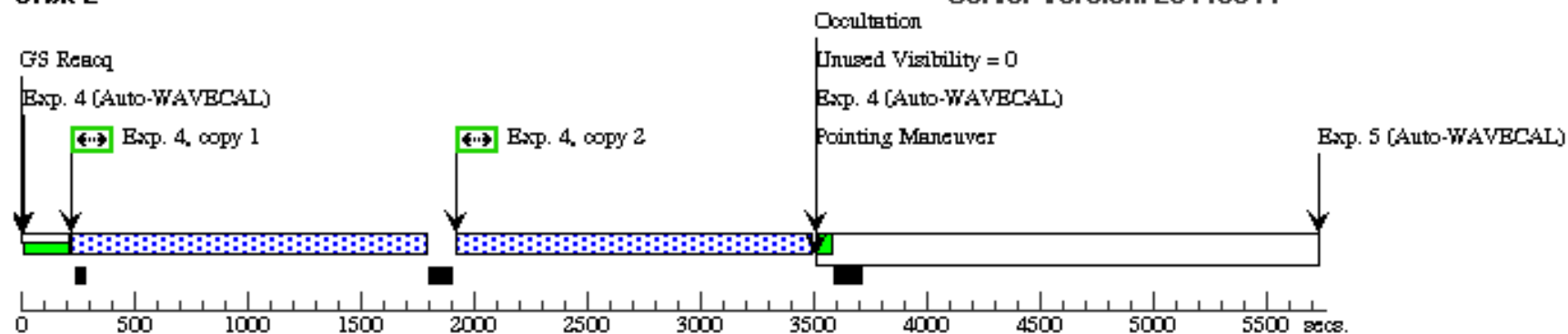
Orbit 1

Server Version: 20110811



Orbit 2

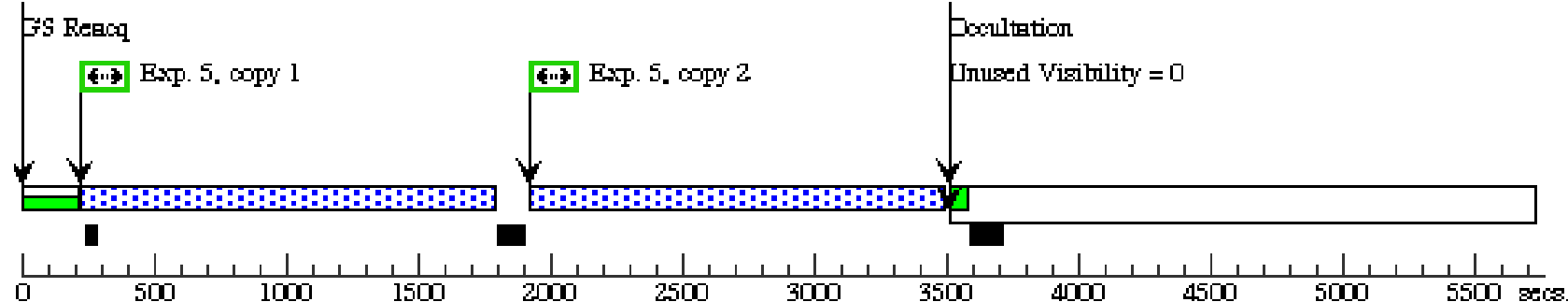
Server Version: 20110811



Orbit 3

Exp. 5 (cont'd) (Auto-WAVECAL)

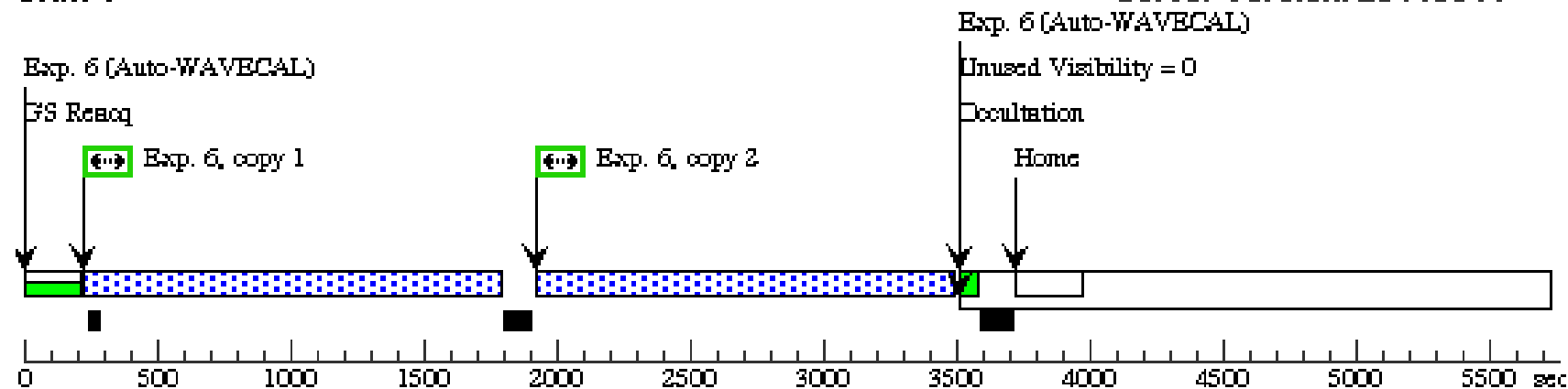
Server Version: 20110811



Orbit 4

Exp. 6 (Auto-WAVECAL)

Server Version: 20110811

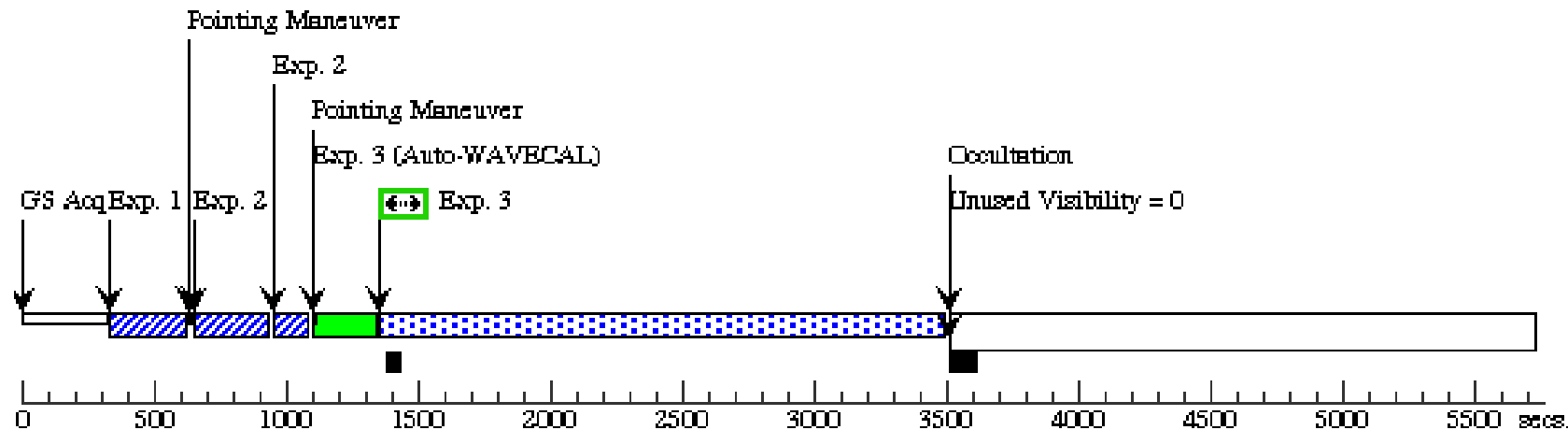


Proposal 12278 - Visit 83 - Advanced Spectral Library Project: Cool Stars

Visit	Proposal 12278, Visit 83, completed								Sat Aug 20 01:21:29 GMT 2011	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA, STIS/NUV-MAMA									
	Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(8)	HD108903	RA: 12 31 9.9936 (187.7916400d)	Proper Motion RA: +0.0035 sec of time/yr	V=1.63+/-0.1	Reference Frame: ICRS				
		Alt Name1: GAM-CRU	Dec: -57 06 50.21 (-57.11395d)	Proper Motion Dec: -0.264 arcsec/yr						
			Equinox: J2000	Parallax: 0.0371"						
			Epoch of Position: 2010							
			Radial Velocity: +21.4 km/sec							
	Comments: Gacrux; Gamma Crucis; M3.5III									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(8) HD108903	STIS/CCD, ACQ, F25ND5	MIRROR				0.1 Secs	
									[==>]	[1]
	Comments: C&K M2I, 3500,0.0;STIS.A316914; sat-time=4.1s									
	2		(8) HD108903	STIS/CCD, ACQ/PEAK, 0.2X0.06	G430M				0.1 Secs	
					3936 A				[==>]	[1]
	Comments: C&K M2I, 3500,0.0;STIS.A316928; sat-time=5.6s									
	3		(8) HD108903	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H				2123 Secs	
					2762 A				[==>]	[1]
	4		(8) HD108903	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H				1560 Secs X 2	
					2263 A				[==>(Copy 1)]	[2]
									[==>(Copy 2)]	
	5		(8) HD108903	STIS/NUV-MAMA, ACCUM, 0.2X0.2	E230M				1560 Secs X 2	
					1978 A				[==>(Copy 1)]	[3]
									[==>(Copy 2)]	
	6		(8) HD108903	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M				1560 Secs X 2	
					1425 A				[==>(Copy 1)]	[4]
									[==>(Copy 2)]	

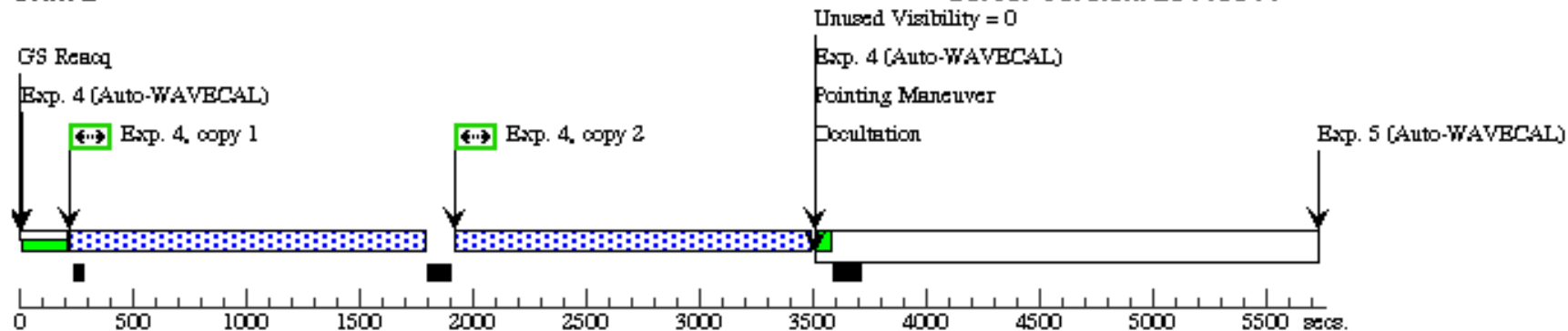
Orbit 1

Server Version: 20110811



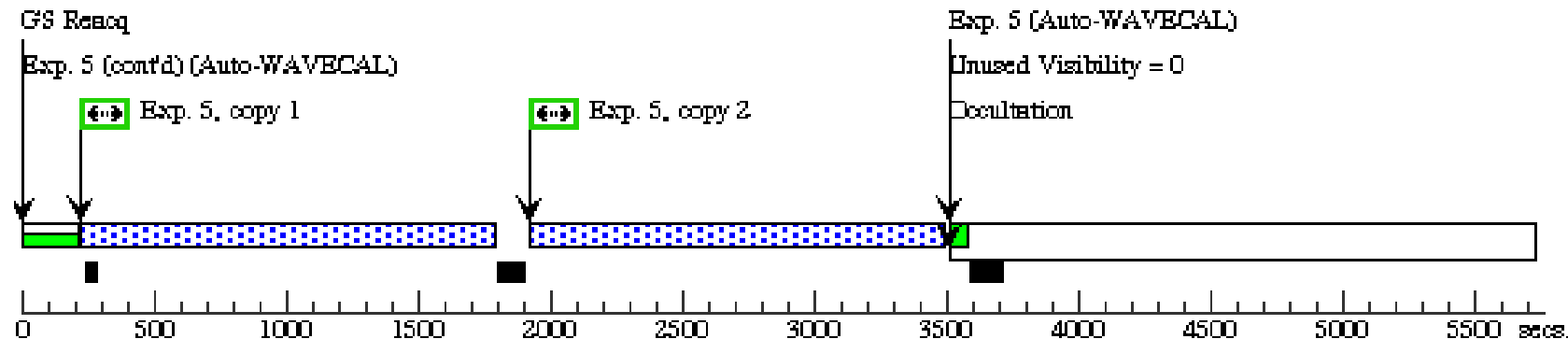
Orbit 2

Server Version: 20110811



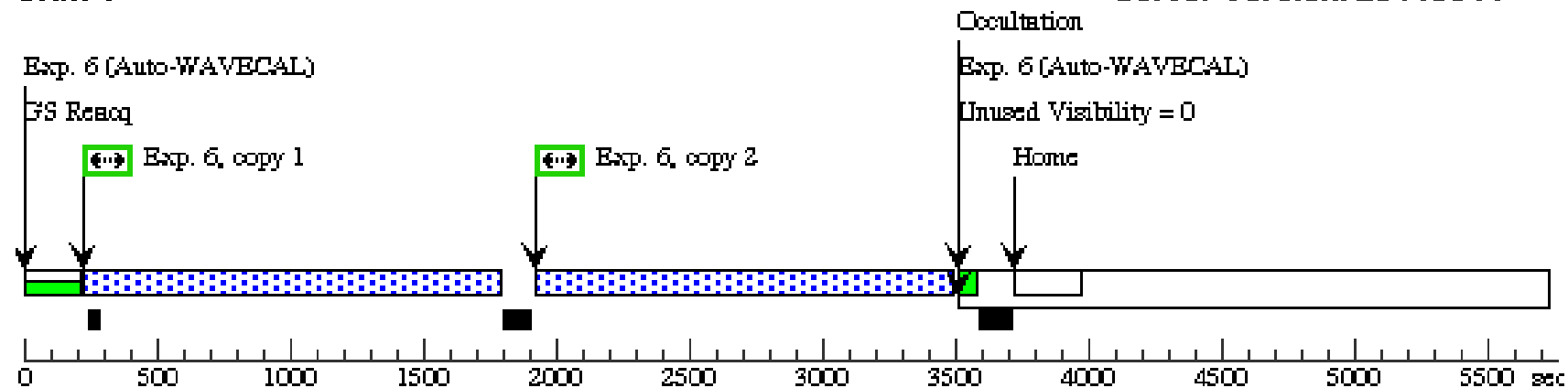
Orbit 3

Server Version: 20110811



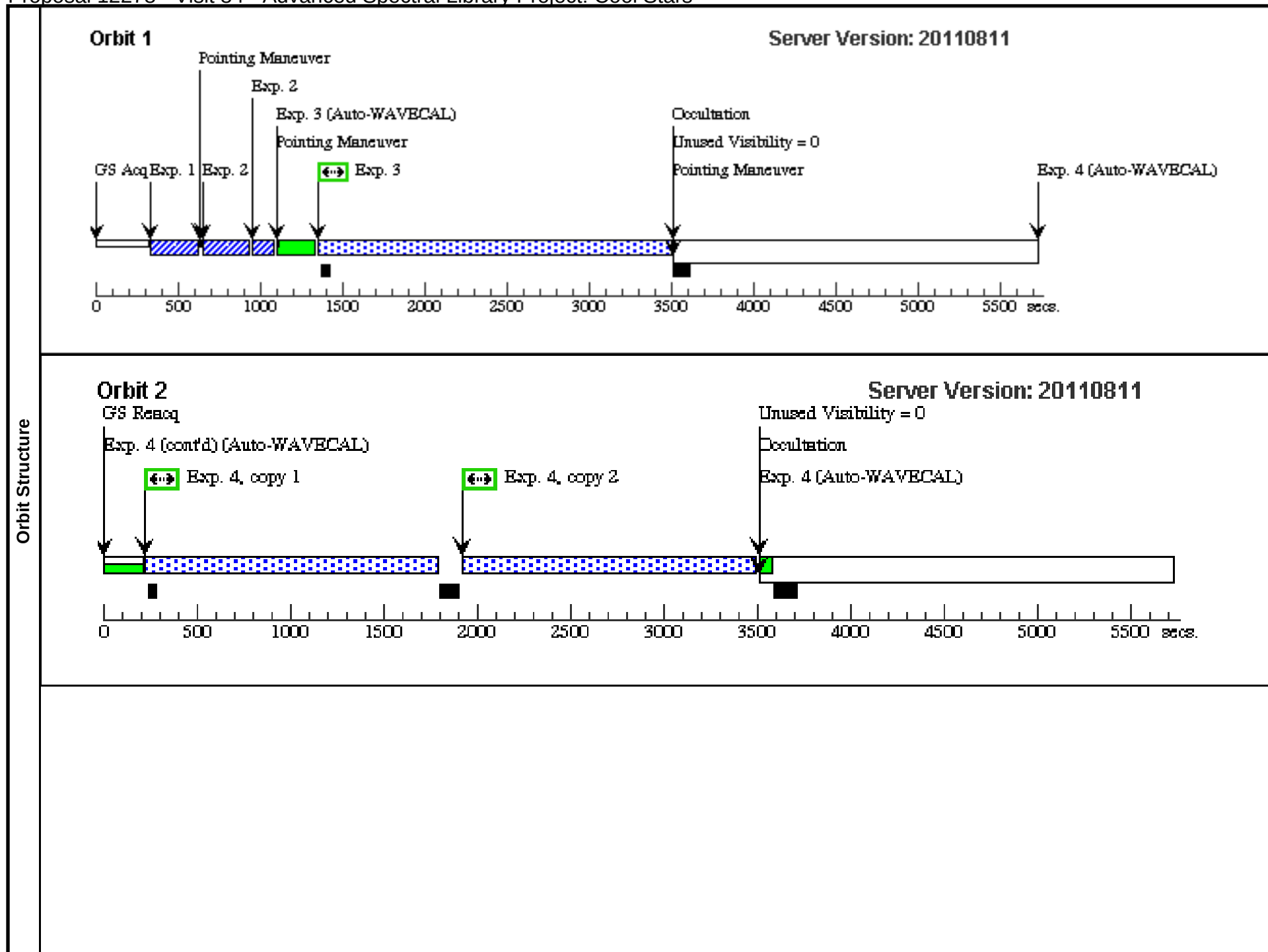
Orbit 4

Server Version: 20110811



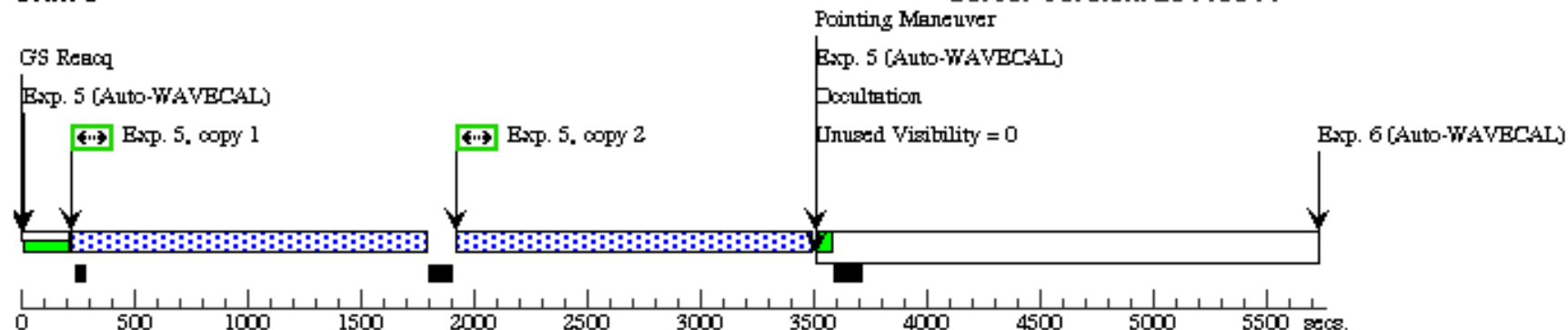
Proposal 12278 - Visit 84 - Advanced Spectral Library Project: Cool Stars

Visit	Proposal 12278, Visit 84, completed								Sat Aug 20 01:21:30 GMT 2011	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA, STIS/NUV-MAMA									
	Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(8)	HD108903	RA: 12 31 9.9936 (187.7916400d)	Proper Motion RA: +0.0035 sec of time/yr	V=1.63+/-0.1	Reference Frame: ICRS				
		Alt Name1: GAM-CRU	Dec: -57 06 50.21 (-57.11395d)	Proper Motion Dec: -0.264 arcsec/yr						
			Equinox: J2000	Parallax: 0.0371"						
			Epoch of Position: 2010							
			Radial Velocity: +21.4 km/sec							
	Comments: Gacrux; Gamma Crucis; M3.5III									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(8) HD108903	STIS/CCD, ACQ, F25ND5	MIRROR				0.1 Secs	
									[==>]	[1]
	Comments: C&K M2I, 3500,0.0;STIS.A316914; sat-time=4.1s									
	2		(8) HD108903	STIS/CCD, ACQ/PEAK, 0.2X0.06	G430M				0.1 Secs	
					3936 A				[==>]	[1]
	Comments: C&K M2I, 3500,0.0;STIS.A316928; sat-time=5.6s									
	3		(8) HD108903	STIS/NUV-MAMA, ACCUM, 0.2X0.2	E230M				2131 Secs	
					2707 A				[==>]	[1]
	4		(8) HD108903	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H				1560 Secs X 2	
					2513 A				[==>(Copy 1)]	[2]
									[==>(Copy 2)]	
	5		(8) HD108903	STIS/NUV-MAMA, ACCUM, 0.2X0.09	E230H				1560 Secs X 2	
					2263 A				[==>(Copy 1)]	[3]
								[==>(Copy 2)]		
6		(8) HD108903	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M				1560 Secs X 2		
				1425 A				[==>(Copy 1)]	[4]	
								[==>(Copy 2)]		



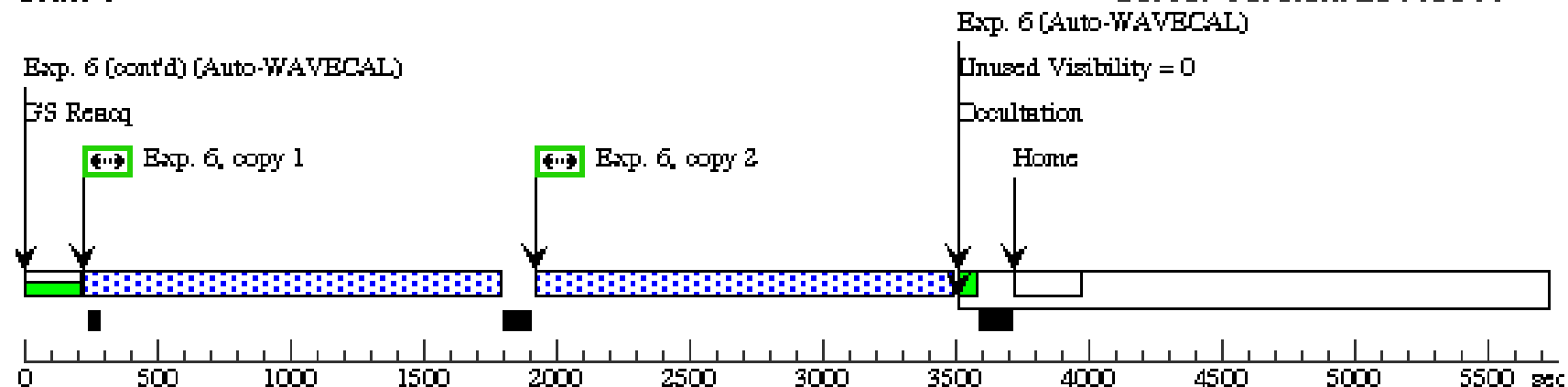
Orbit 3

Server Version: 20110811



Orbit 4

Server Version: 20110811

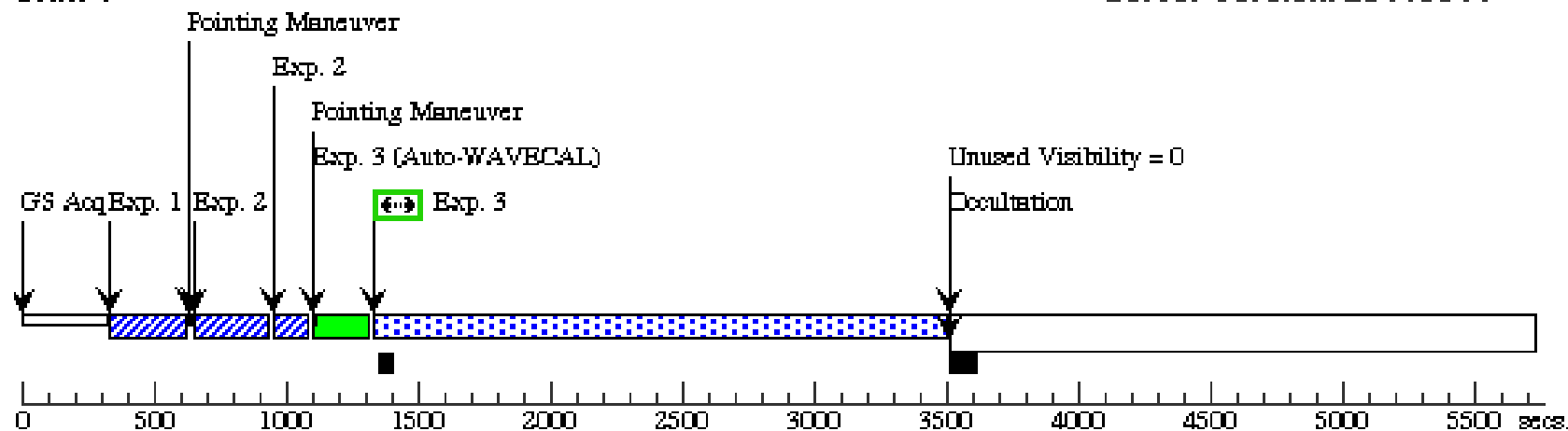


Proposal 12278 - Visit 85 - Advanced Spectral Library Project: Cool Stars

Visit	Proposal 12278, Visit 85, completed								Sat Aug 20 01:21:30 GMT 2011	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA, STIS/NUV-MAMA									
	Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(8)	HD108903	RA: 12 31 9.9936 (187.7916400d)	Proper Motion RA: +0.0035 sec of time/yr	V=1.63+/-0.1	Reference Frame: ICRS				
		Alt Name1: GAM-CRU	Dec: -57 06 50.21 (-57.11395d)	Proper Motion Dec: -0.264 arcsec/yr						
			Equinox: J2000	Parallax: 0.0371"						
			Epoch of Position: 2010							
			Radial Velocity: +21.4 km/sec							
	Comments: Gacrux; Gamma Crucis; M3.5III									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(8) HD108903	STIS/CCD, ACQ, F25ND5	MIRROR				0.1 Secs	
									[==>]	[1]
	Comments: C&K M2I, 3500,0.0;STIS.A316914; sat-time=4.1s									
	2		(8) HD108903	STIS/CCD, ACQ/PEAK, 0.2X0.06	G430M				0.1 Secs	
					3936 A				[==>]	[1]
	Comments: C&K M2I, 3500,0.0;STIS.A316928; sat-time=5.6s									
	3		(8) HD108903	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M				2151 Secs	
					1425 A				[==>]	[1]
	4		(8) HD108903	STIS/NUV-MAMA, ACCUM, 0.2X0.2	E230M				1560 Secs X 2	
					1978 A				[==>(Copy 1)]	[2]
									[==>(Copy 2)]	
	5		(8) HD108903	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M				1560 Secs X 2	
					1425 A				[==>(Copy 1)]	[3]
									[==>(Copy 2)]	

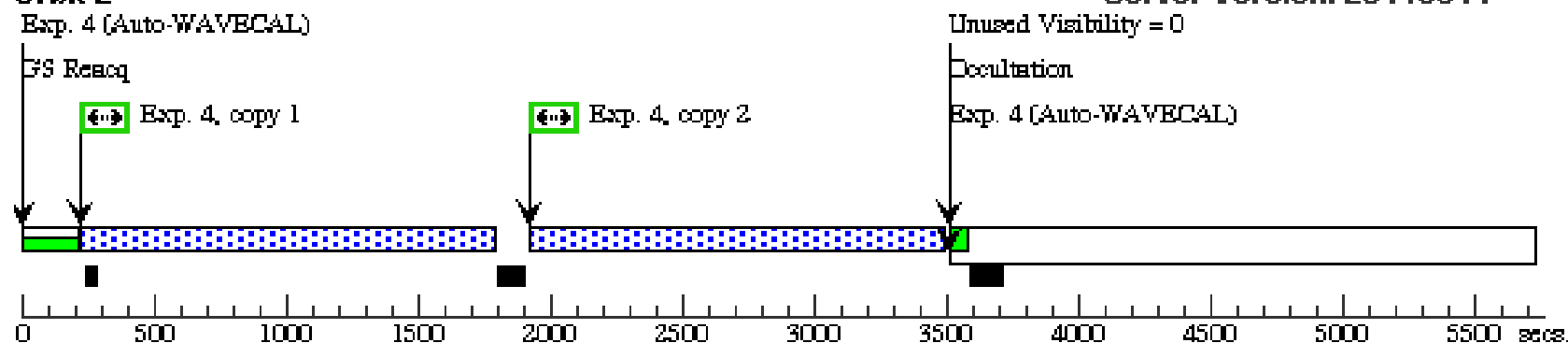
Orbit 1

Server Version: 20110811



Orbit 2

Server Version: 20110811



Orbit 3

Server Version: 20110811

