



## 12215 - Searching for the Missing Low-Mass Companions of Massive Stars

Cycle: 18, Proposal Category: SNAP

(Availability Mode: SUPPORTED)

### INVESTIGATORS

<i>Name</i>	<i>Institution</i>	<i>E-Mail</i>
<b>Dr. Nancy R. Evans (PI)</b>	<b>Smithsonian Institution Astrophysical Observatory</b>	
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Dr. Gail Schaefer (CoI)	Georgia State University Research Foundation	

### VISITS

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(1) U-AQL	WFC3/UVIS	1	23-Jun-2010 21:01:26.0	yes
02	(2) TT-AQL	WFC3/UVIS	1	23-Jun-2010 21:01:32.0	yes
03	(3) FF-AQL	WFC3/UVIS	1	23-Jun-2010 21:01:35.0	yes
04	(4) FM-AQL	WFC3/UVIS	1	23-Jun-2010 21:01:39.0	yes
05	(5) V496-AQL	WFC3/UVIS	1	23-Jun-2010 21:01:42.0	yes
06	(6) V1344AQL	WFC3/UVIS	1	23-Jun-2010 21:01:45.0	yes
07	(7) ETA-AQL	WFC3/UVIS	1	23-Jun-2010 21:01:49.0	yes
08	(8) RT-AUR	WFC3/UVIS	1	23-Jun-2010 21:01:52.0	yes
09	(9) CO-AUR	WFC3/UVIS	1	23-Jun-2010 21:01:55.0	yes
10	(10) RX-CAM	WFC3/UVIS	1	23-Jun-2010 21:01:58.0	yes

Proposal 12215 (STScI Edit Number: 0, Created: Wednesday, June 23, 2010 8:04:59 PM EST) - Overview

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
11	(11) Y-CAR	WFC3/UVIS	1	23-Jun-2010 21:02:01.0	yes
12	(12) L-CAR	WFC3/UVIS	1	23-Jun-2010 21:02:04.0	yes
13	(13) SU-CAS	WFC3/UVIS	1	23-Jun-2010 21:02:07.0	yes
14	(14) TU-CAS	WFC3/UVIS	1	23-Jun-2010 21:02:10.0	yes
15	(15) V636-CAS	WFC3/UVIS	1	23-Jun-2010 21:02:13.0	yes
16	(16) V-CEN	WFC3/UVIS	1	23-Jun-2010 21:02:16.0	yes
17	(17) V553-CEN	WFC3/UVIS	1	23-Jun-2010 21:02:19.0	yes
18	(18) V659-CEN	WFC3/UVIS	1	23-Jun-2010 21:02:22.0	yes
19	(19) V737-CEN	WFC3/UVIS	1	23-Jun-2010 21:02:25.0	yes
20	(20) IR-CEP	WFC3/UVIS	1	23-Jun-2010 21:02:28.0	yes
21	(21) DEL-CEP	WFC3/UVIS	1	23-Jun-2010 21:02:31.0	yes
22	(22) AV-CIR	WFC3/UVIS	1	23-Jun-2010 21:02:34.0	yes
23	(23) AX-CIR	WFC3/UVIS	1	23-Jun-2010 21:02:39.0	yes
24	(24) BP-CIR	WFC3/UVIS	1	23-Jun-2010 21:02:42.0	yes
25	(25) R-CRU	WFC3/UVIS	1	23-Jun-2010 21:02:45.0	yes
26	(26) S-CRU	WFC3/UVIS	1	23-Jun-2010 21:02:48.0	yes
27	(27) T-CRU	WFC3/UVIS	1	23-Jun-2010 21:02:51.0	yes
28	(28) BG-CRU	WFC3/UVIS	1	23-Jun-2010 21:02:54.0	yes
29	(29) X-CYG	WFC3/UVIS	1	23-Jun-2010 21:02:56.0	yes
30	(30) SU-CYG	WFC3/UVIS	1	23-Jun-2010 21:02:59.0	yes
31	(31) DT-CYG	WFC3/UVIS	1	23-Jun-2010 21:03:02.0	yes
32	(32) V1334CYG	WFC3/UVIS	1	23-Jun-2010 21:03:05.0	yes
33	(33) BETA-DOR	WFC3/UVIS	1	23-Jun-2010 21:03:08.0	yes
34	(34) W-GEM	WFC3/UVIS	1	23-Jun-2010 21:03:11.0	yes
35	(35) ZETA-GEM	WFC3/UVIS	1	23-Jun-2010 21:03:14.0	yes

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<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>
36	(36) V473-LYR	WFC3/UVIS	1	23-Jun-2010 21:03:16.0	yes
37	(37) T-MON	WFC3/UVIS	1	23-Jun-2010 21:03:19.0	yes
38	(38) R-MUS	WFC3/UVIS	1	23-Jun-2010 21:03:22.0	yes
39	(39) S-MUS	WFC3/UVIS	1	23-Jun-2010 21:03:25.0	yes
40	(40) S-NOR	WFC3/UVIS	1	23-Jun-2010 21:03:28.0	yes
41	(41) Y-OPH	WFC3/UVIS	1	23-Jun-2010 21:03:30.0	yes
42	(42) BF-OPH	WFC3/UVIS	1	23-Jun-2010 21:03:33.0	yes
43	(43) AW-PER	WFC3/UVIS	1	23-Jun-2010 21:03:36.0	yes
44	(44) V440-PER	WFC3/UVIS	1	23-Jun-2010 21:03:39.0	yes
45	(45) RS-PUP	WFC3/UVIS	1	23-Jun-2010 21:03:42.0	yes
46	(46) AP-PUP	WFC3/UVIS	1	23-Jun-2010 21:03:44.0	yes
47	(47) MY-PUP	WFC3/UVIS	1	23-Jun-2010 21:03:47.0	yes
48	(48) S-SGE	WFC3/UVIS	1	23-Jun-2010 21:03:50.0	yes
49	(49) U-SGR	WFC3/UVIS	1	23-Jun-2010 21:03:53.0	yes
50	(50) W-SGR	WFC3/UVIS	1	23-Jun-2010 21:03:55.0	yes
51	(51) X-SGR	WFC3/UVIS	1	23-Jun-2010 21:03:58.0	yes
52	(52) Y-SGR	WFC3/UVIS	1	23-Jun-2010 21:04:01.0	yes
53	(53) AP-SGR	WFC3/UVIS	1	23-Jun-2010 21:04:04.0	yes
54	(54) BB-SGR	WFC3/UVIS	1	23-Jun-2010 21:04:06.0	yes
55	(55) V350-SGR	WFC3/UVIS	1	23-Jun-2010 21:04:09.0	yes
56	(56) RV-SCO	WFC3/UVIS	1	23-Jun-2010 21:04:12.0	yes
57	(57) V482-SCO	WFC3/UVIS	1	23-Jun-2010 21:04:15.0	yes
58	(58) V636-SCO	WFC3/UVIS	1	23-Jun-2010 21:04:18.0	yes
59	(59) V950-SCO	WFC3/UVIS	1	23-Jun-2010 21:04:20.0	yes
60	(60) EW-SCT	WFC3/UVIS	1	23-Jun-2010 21:04:23.0	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>
61	(61) SZ-TAU	WFC3/UVIS	1	23-Jun-2010 21:04:26.0	yes
62	(62) R-TRA	WFC3/UVIS	1	23-Jun-2010 21:04:29.0	yes
63	(63) S-TRA	WFC3/UVIS	1	23-Jun-2010 21:04:32.0	yes
64	(64) U-TRA	WFC3/UVIS	1	23-Jun-2010 21:04:34.0	yes
65	(65) LR-TRA	WFC3/UVIS	1	23-Jun-2010 21:04:37.0	yes
66	(66) V-VEL	WFC3/UVIS	1	23-Jun-2010 21:04:40.0	yes
67	(67) AH-VEL	WFC3/UVIS	1	23-Jun-2010 21:04:43.0	yes
68	(68) T-VUL	WFC3/UVIS	1	23-Jun-2010 21:04:46.0	yes
69	(69) U-VUL	WFC3/UVIS	1	23-Jun-2010 21:04:49.0	yes
70	(70) X-VUL	WFC3/UVIS	1	23-Jun-2010 21:04:51.0	yes
71	(71) SV-VUL	WFC3/UVIS	1	23-Jun-2010 21:04:54.0	yes

71 Total Orbits Used

## **ABSTRACT**

Recent results on binary companions of massive O stars appear to indicate that the distribution of secondary masses is truncated at low masses. It thus mimics the distribution of companions of G dwarfs and also the Initial Mass Function (IMF), except that it is shifted upward by a factor of 20 in mass. These results, if correct, provide a distribution of mass ratios that hints at a strong constraint on the star-formation process. However, this intriguing result is derived from a complex simulation of data which suffer from observational incompleteness at the low-mass end.

We propose a snapshot survey to test this result in a very direct way. HST WFC3 images of a sample of the nearest Cepheids (which were formerly B stars of  $\sim 5 M_{\text{sun}}$ ) will search for low-mass companions down to M dwarfs. We will confirm any companions as young stars, and thus true physical companions, through follow-up Chandra X-ray images. Our survey will show clearly whether the companion mass distribution is truncated at low masses, but at a mass much higher than that of the IMF or G dwarfs.

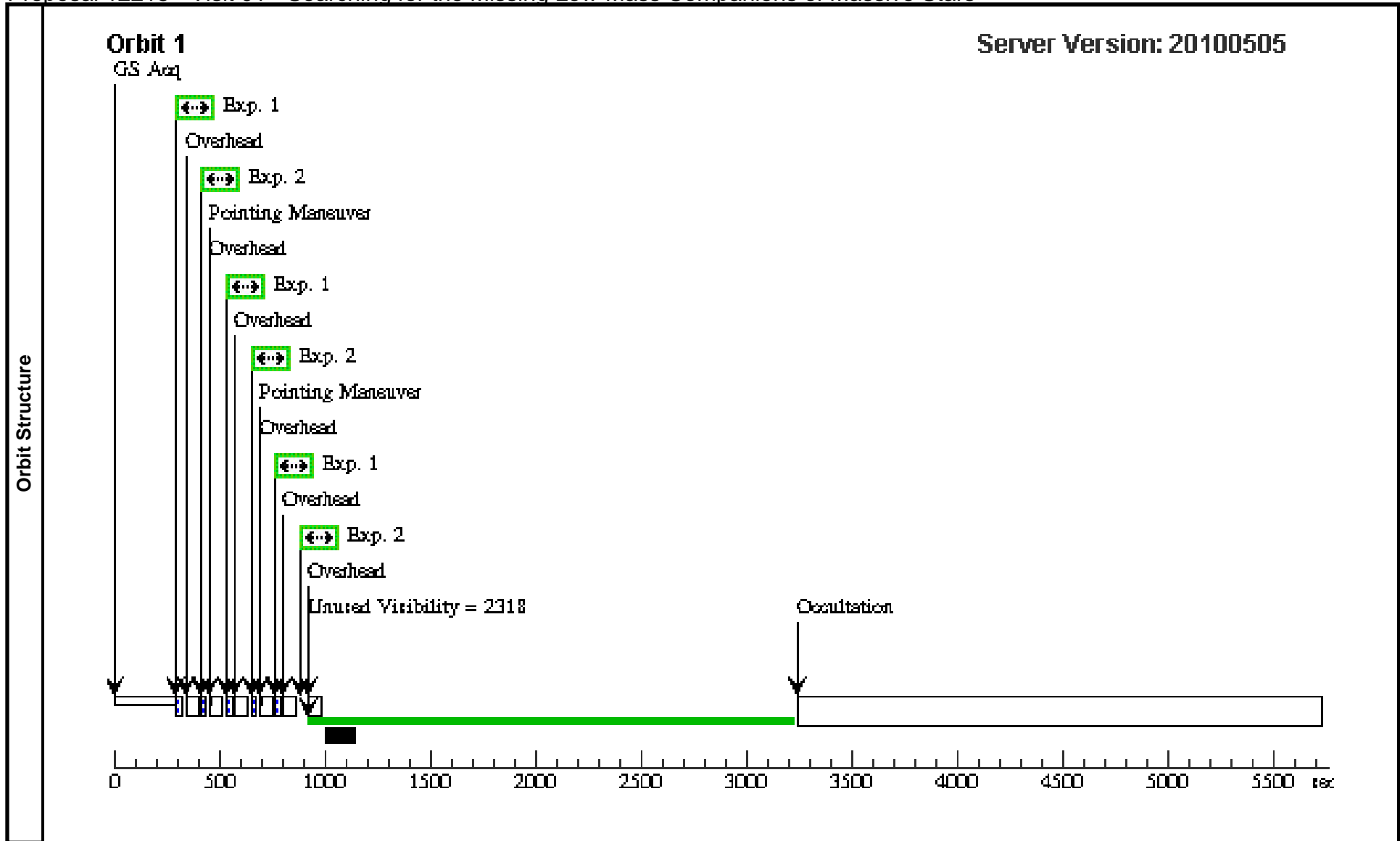
## **OBSERVING DESCRIPTION**

This is a Snapshot program aimed at searching for close, resolved companions of 71 Galactic Cepheid variable stars.

Proposal 12215 (STScI Edit Number: 0, Created: Wednesday, June 23, 2010 8:04:59 PM EST) - Overview

We will use WFC3 and a 1kx1k subarray and take 3 dithered exposures each in two medium-band filters, F621M and F845M. The exposure times are adjusted for each star so that the Cepheid itself will be saturated by a factor of about 100, allowing detection of companions to within a few pixels of the Cepheid with delta magnitudes of as much as about 11-11.5. The brightest targets will be somewhat more overexposed than this, due to the minimum 0.5 sec WFC3 exposure time.

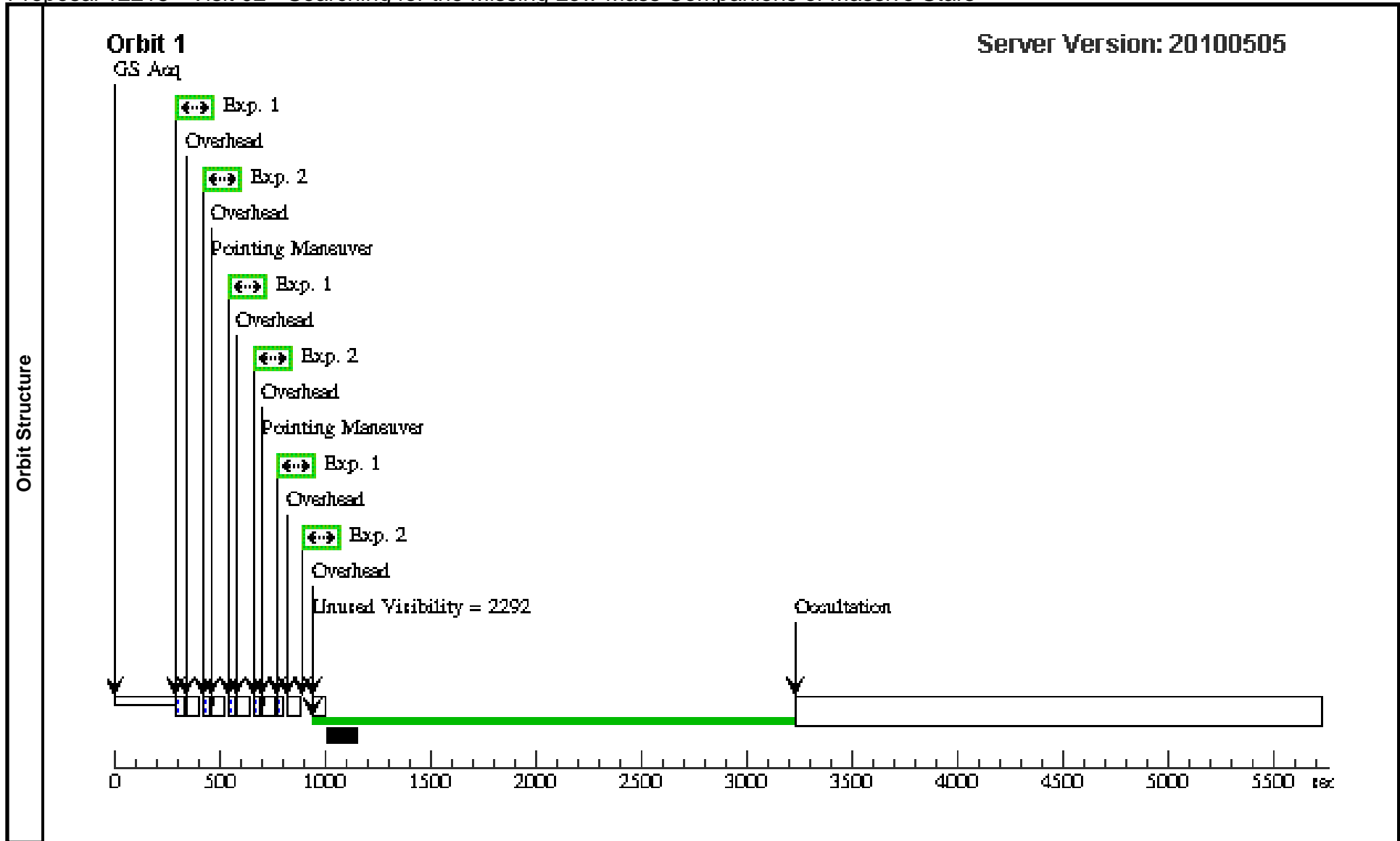
Visit	<b>Proposal 12215, Visit 01</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	U-AQL	RA: 19 29 21.3610 (292.3390042d) Dec: -07 02 38.71 (-7.04409d) Equinox: J2000		V=6.44	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(1) U-AQL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	1.8 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
									[==>(Pattern 3)]	
2		(1) U-AQL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO			Pattern 1, Exps 1-2 (1)	4.5 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
									[==>(Pattern 3)]	



Proposal 12215 - Visit 01 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:02 GMT 2010

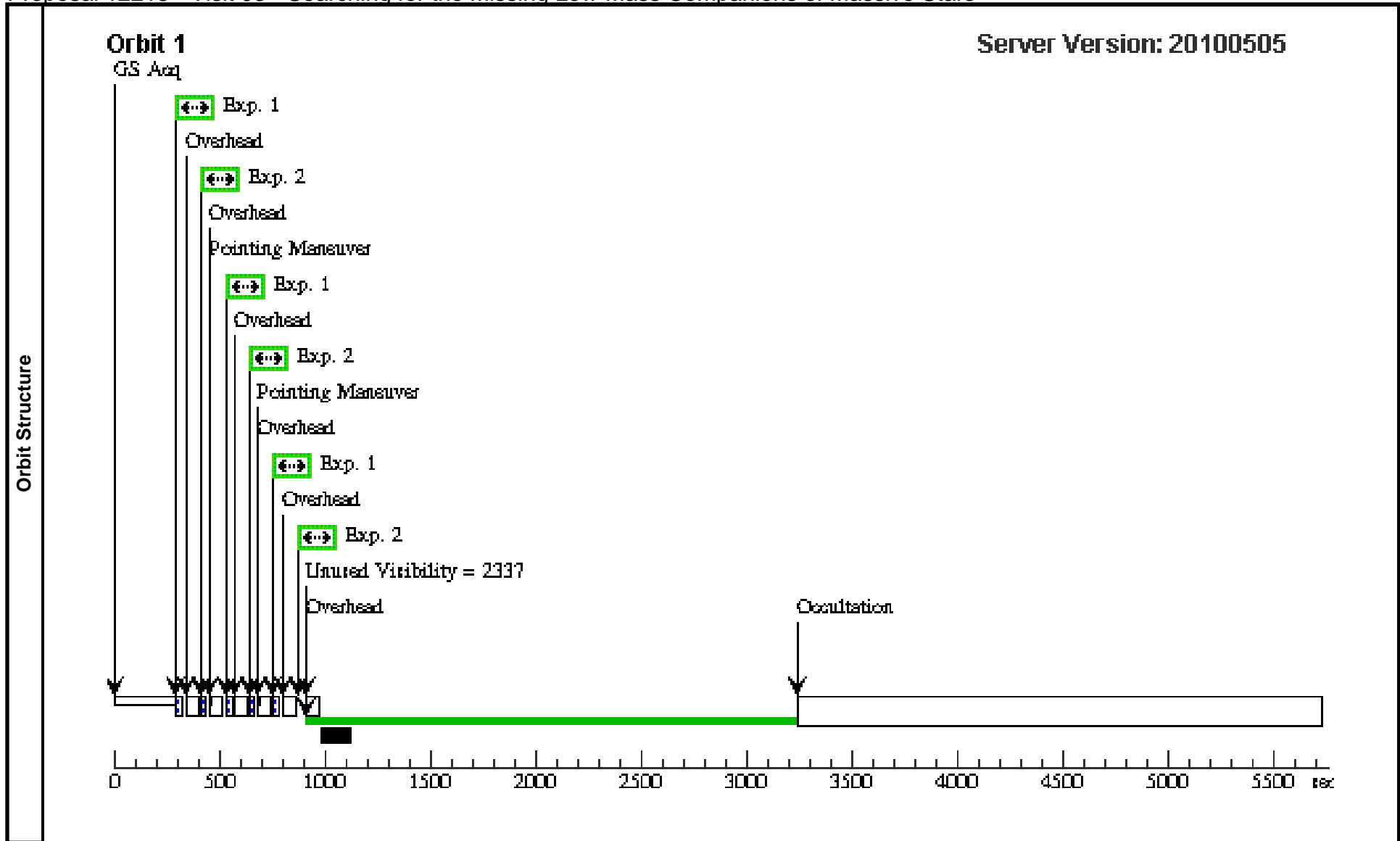
Visit	<b>Proposal 12215, Visit 02</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	TT-AQL	RA: 19 08 13.7500 (287.0572917d) Dec: +01 17 55.15 (1.29865d) Equinox: J2000		V=7.14	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(2) TT-AQL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	3.4 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
	2		(2) TT-AQL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	8.7 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
									[==>(Pattern 3)]	



Proposal 12215 - Visit 02 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:03 GMT 2010

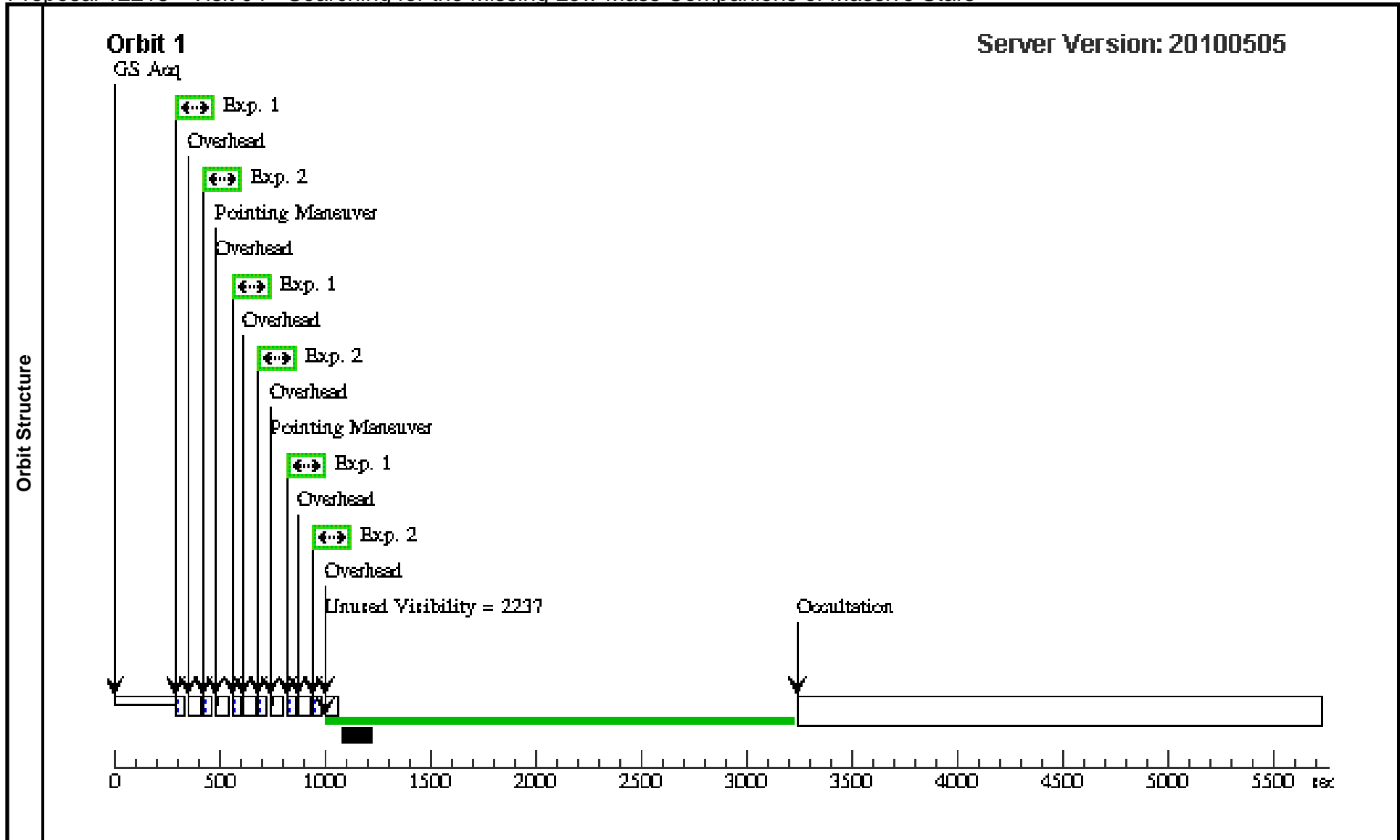
Visit	<b>Proposal 12215, Visit 03</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	FF-AQL	RA: 18 58 14.7470 (284.5614458d) Dec: +17 21 39.28 (17.36091d) Equinox: J2000		V=5.37	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(3) FF-AQL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	0.7 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
	2		(3) FF-AQL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	1.7 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
									[==>(Pattern 3)]	



Proposal 12215 - Visit 03 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:03 GMT 2010

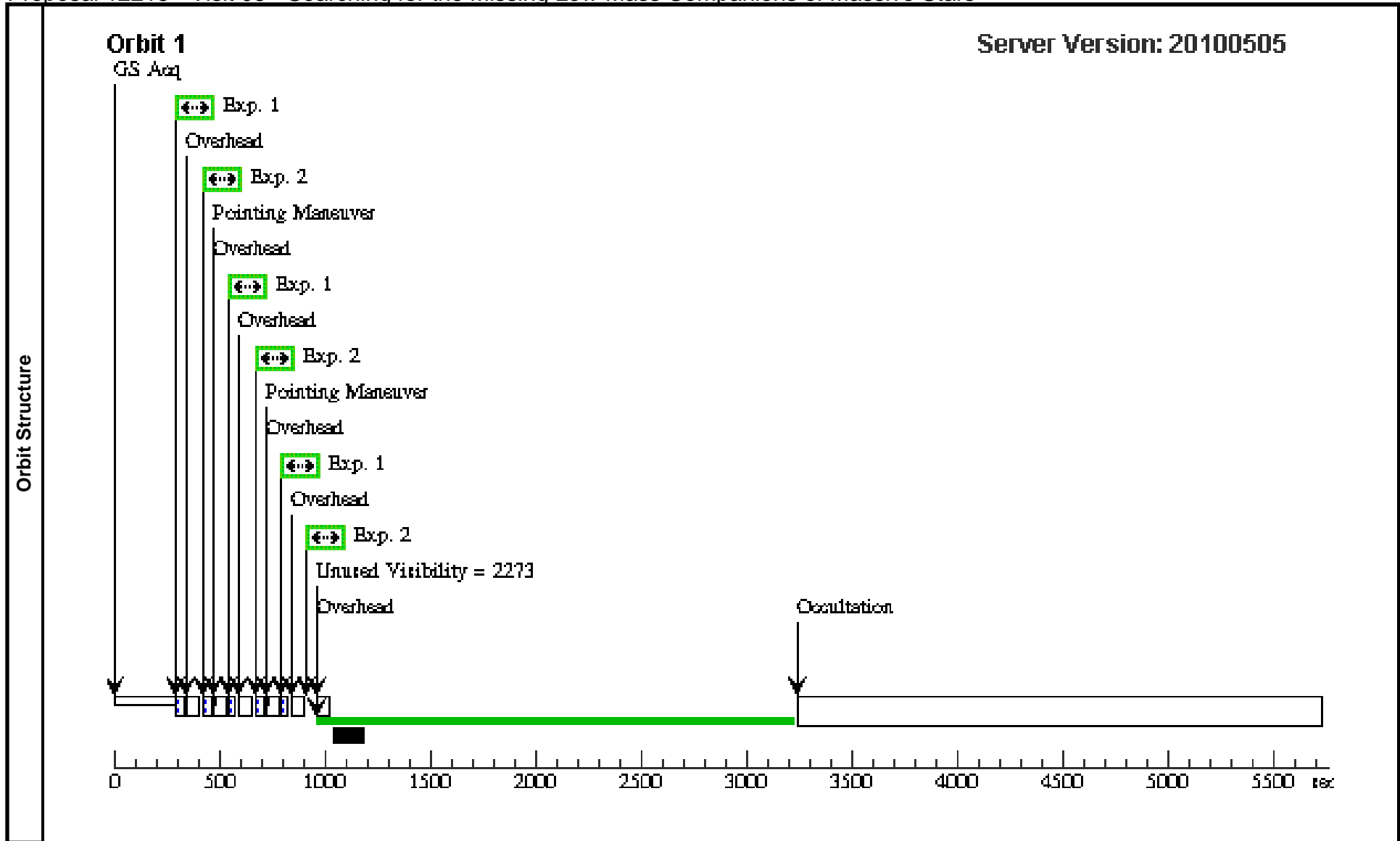
Visit	<b>Proposal 12215, Visit 04</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(4)	FM-AQL	RA: 19 09 15.9890 (287.3166208d) Dec: +10 33 8.96 (10.55249d) Equinox: J2000		V=8.27	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(4) FM-AQL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	9.8 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
2		(4) FM-AQL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	24.5 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	



Proposal 12215 - Visit 04 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:04 GMT 2010

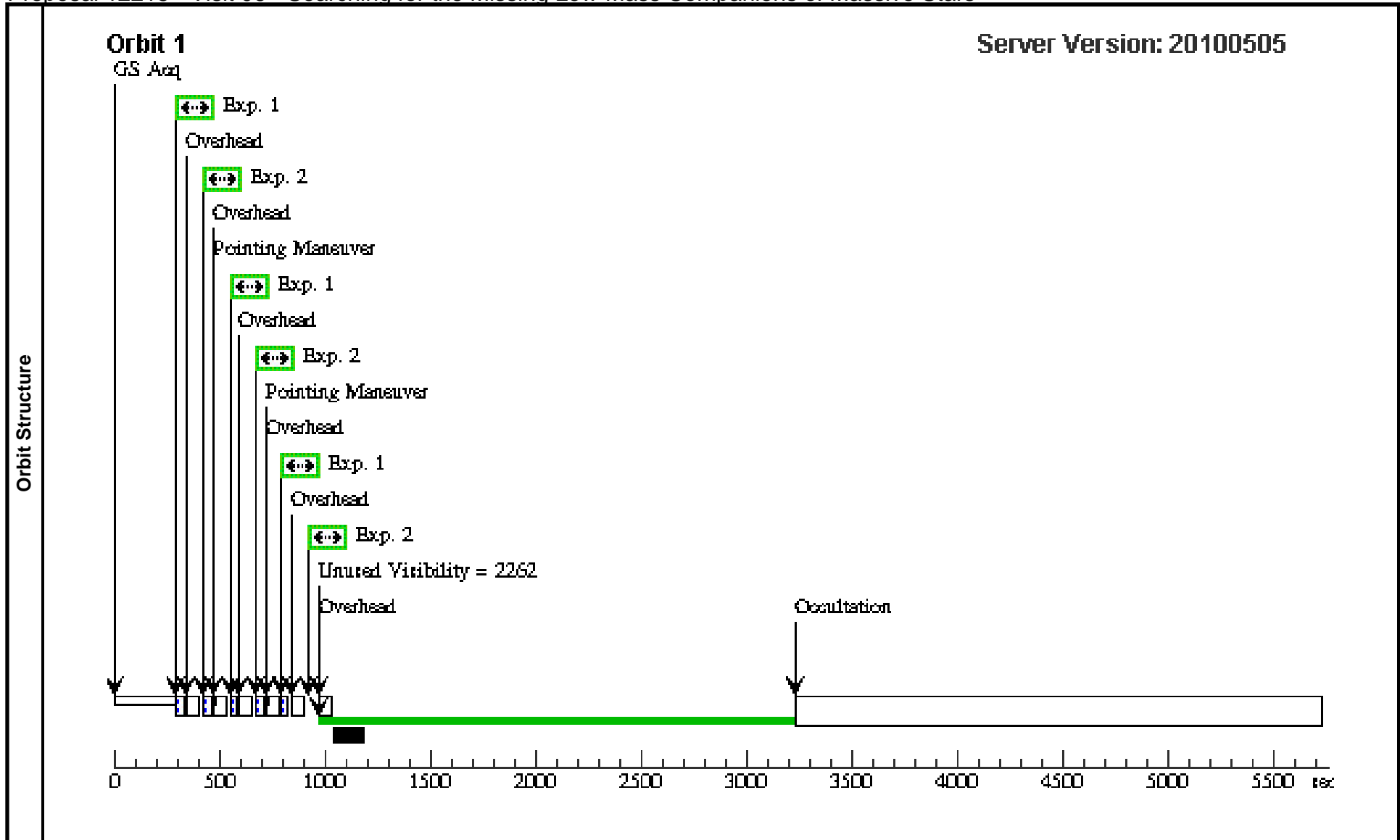
Visit	<b>Proposal 12215, Visit 05</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(5)	V496-AQL	RA: 19 08 20.7690 (287.0865375d) Dec: -07 26 15.89 (-7.43775d) Equinox: J2000		V=7.75	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(5) V496-AQL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	6.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
2		(5) V496-AQL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	15.2 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	



Proposal 12215 - Visit 05 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:04 GMT 2010

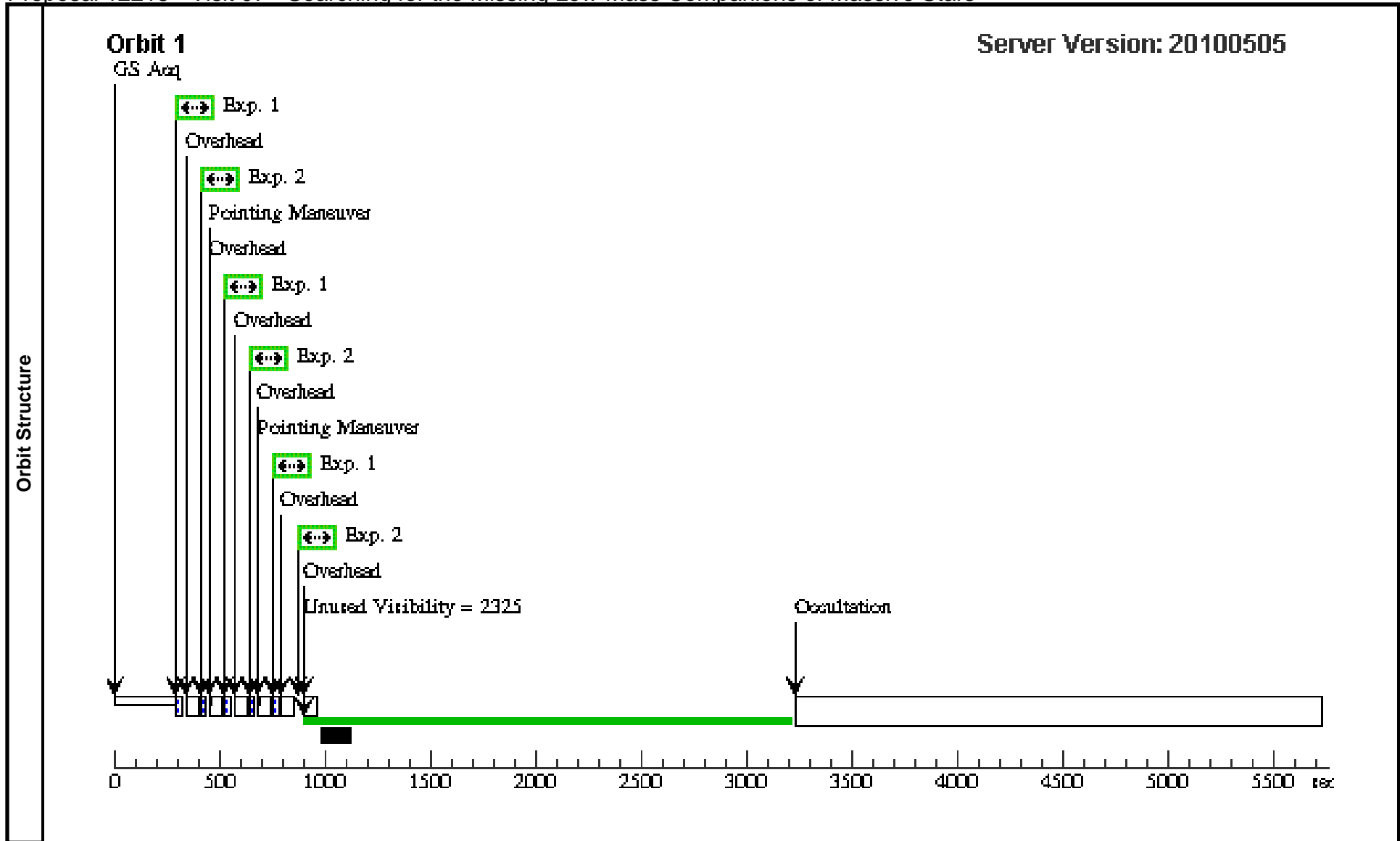
Visit	<b>Proposal 12215, Visit 06</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(6)	V1344AQL	RA: 19 11 59.1710 (287.9965458d) Dec: +04 21 17.48 (4.35486d) Equinox: J2000		V=7.76	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(6) V1344AQL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	6.1 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
2		(6) V1344AQL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	15.3 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	



Proposal 12215 - Visit 06 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:05 GMT 2010

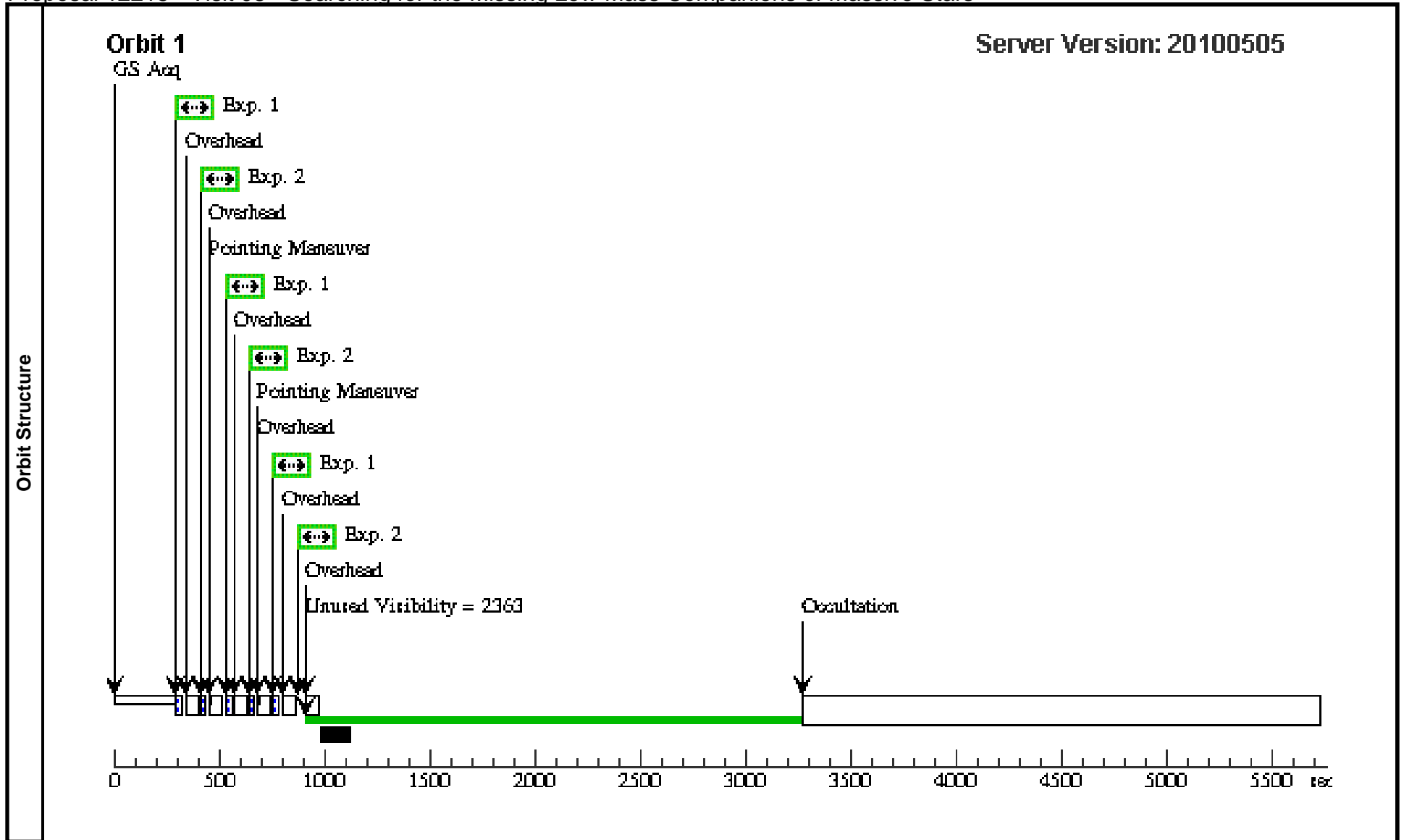
Visit	<b>Proposal 12215, Visit 07</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(7)	ETA-AQL	RA: 19 52 28.3680 (298.1182000d) Dec: +01 00 20.38 (1.00566d) Equinox: J2000		V=3.89	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(7) ETA-AQL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	0.5 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
	2		(7) ETA-AQL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	0.5 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
									[==>(Pattern 3)]	



Proposal 12215 - Visit 07 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:05 GMT 2010

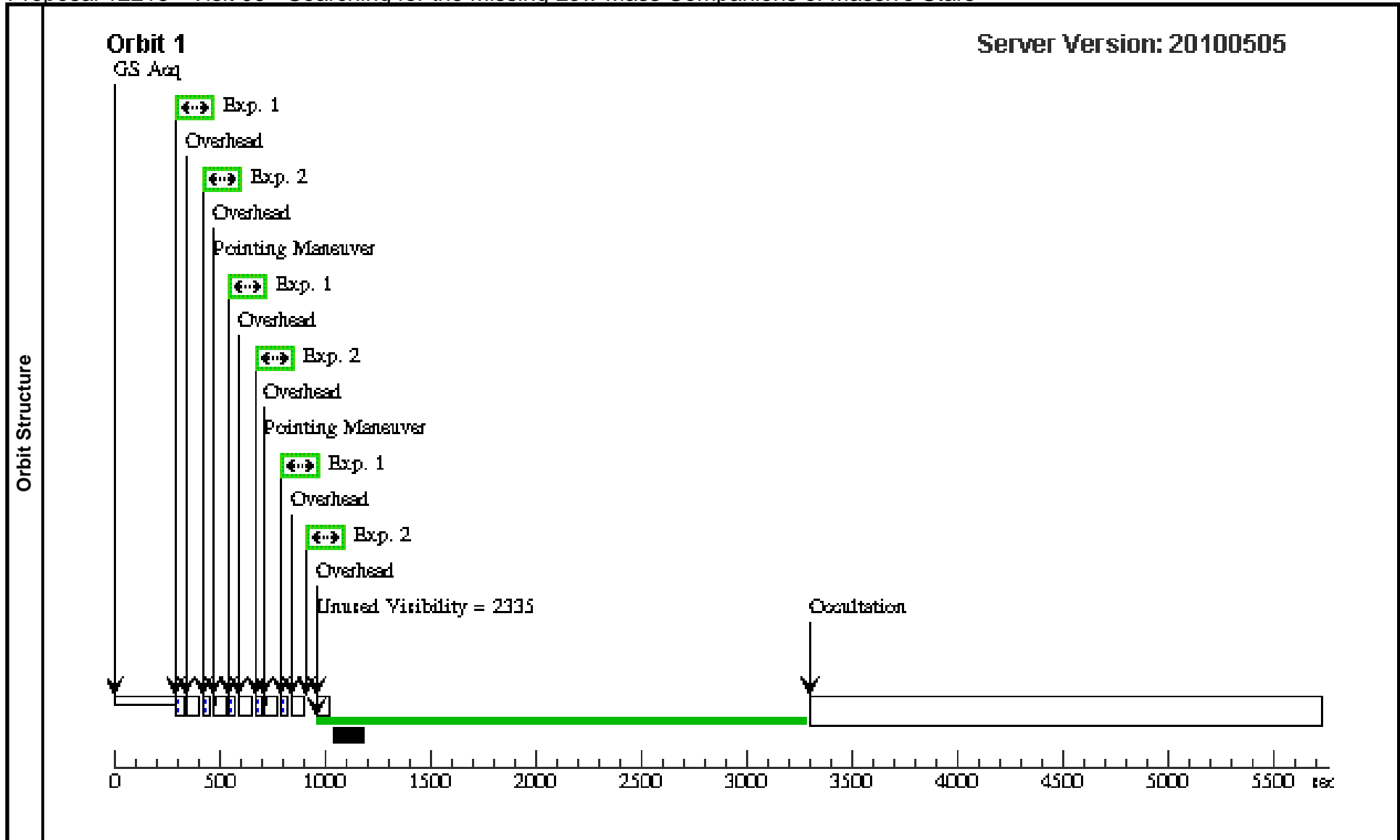
Visit	<b>Proposal 12215, Visit 08</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(8)	RT-AUR	RA: 06 28 34.0890 (97.1420375d) Dec: +30 29 34.92 (30.49303d) Equinox: J2000		V=5.44	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(8) RT-AUR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	0.7 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
2		(8) RT-AUR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	1.8 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	



Proposal 12215 - Visit 08 - Searching for the Missing Low-Mass Companions of Massive Stars

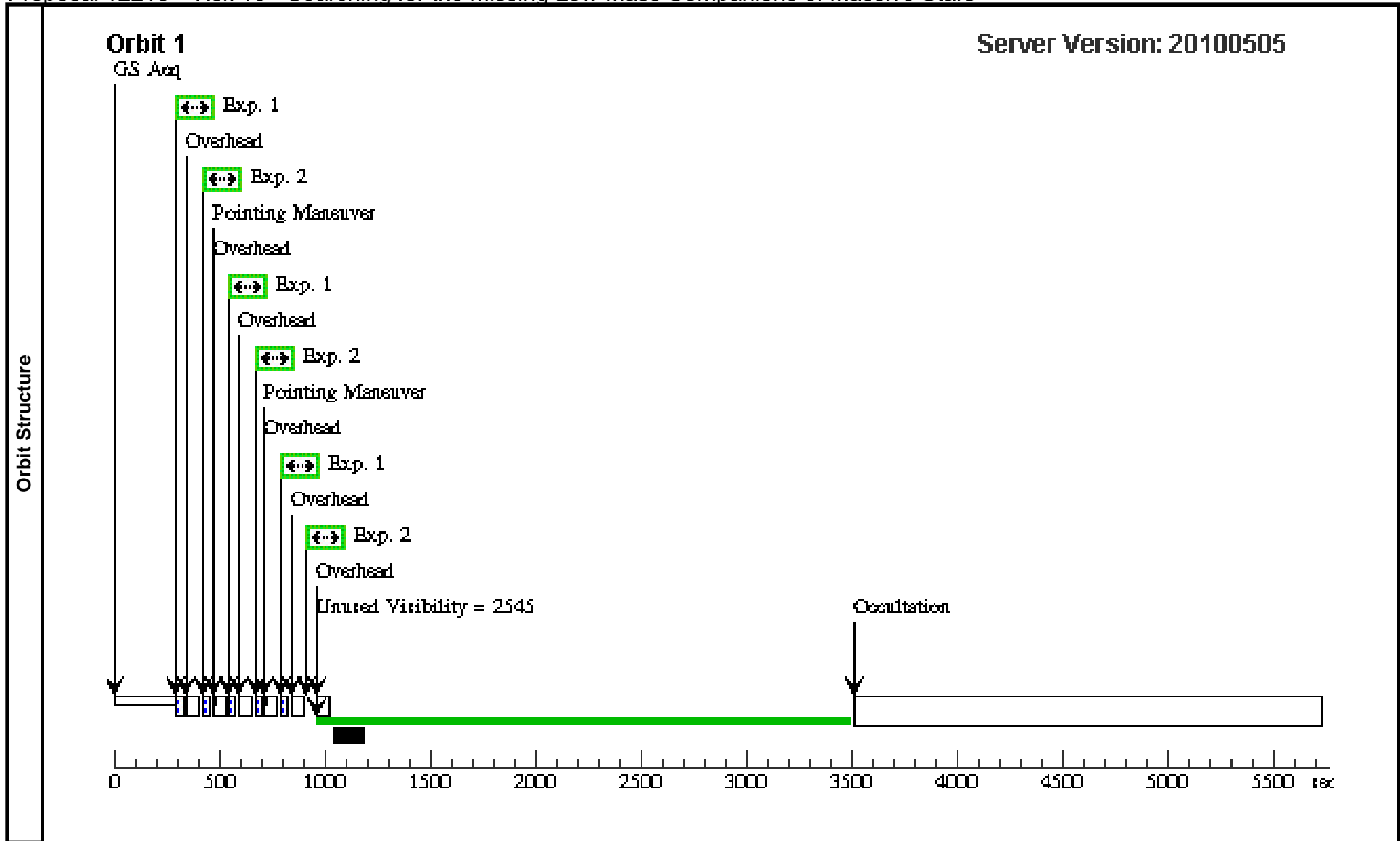
Thu Jun 24 01:05:06 GMT 2010

Visit	<b>Proposal 12215, Visit 09</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(9)	CO-AUR	RA: 06 00 28.5030 (90.1187625d) Dec: +35 18 43.82 (35.31217d) Equinox: J2000		V=7.7	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(9) CO-AUR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	5.8 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
2		(9) CO-AUR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	14.5 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	



Proposal 12215 - Visit 09 - Searching for the Missing Low-Mass Companions of Massive Stars

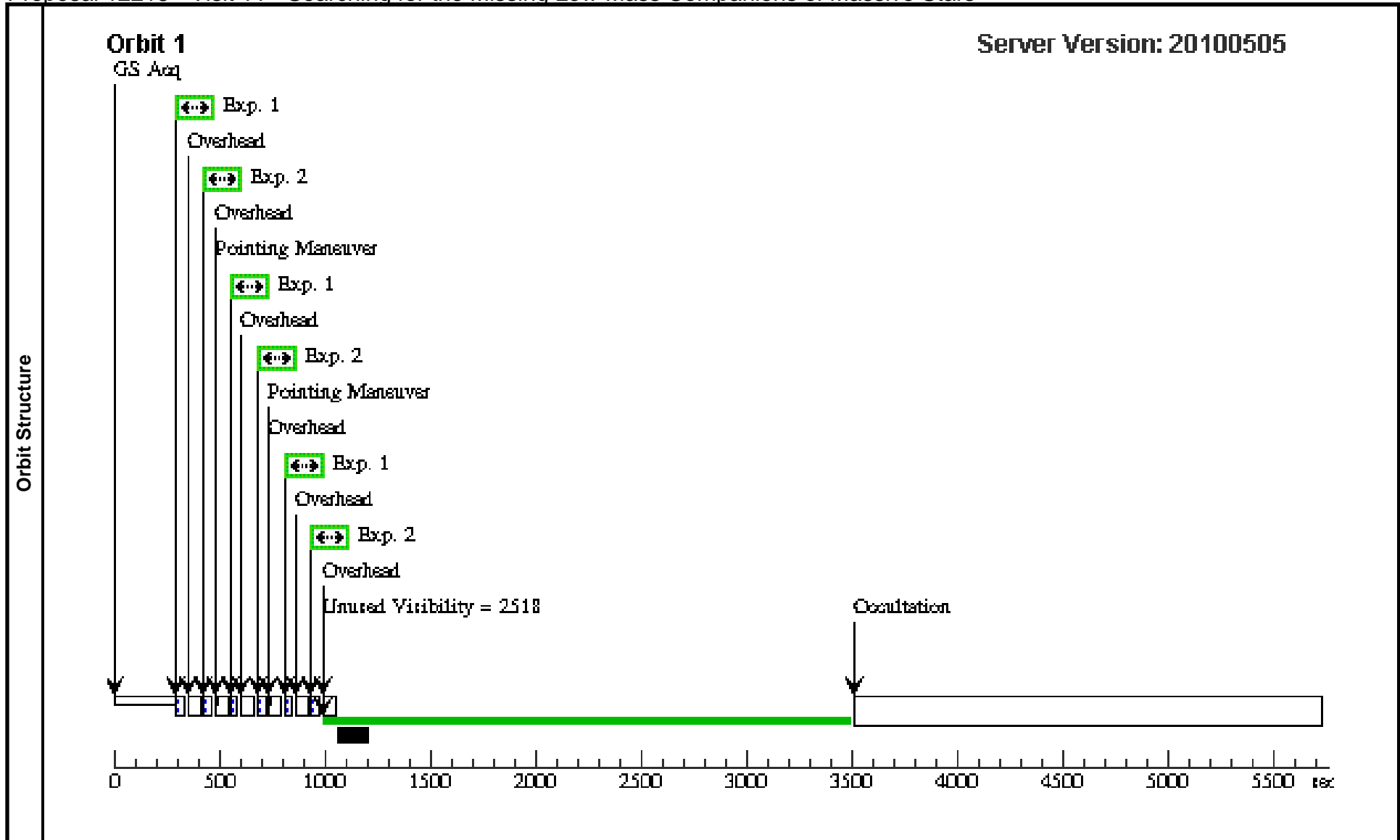
Visit		Proposal 12215, Visit 10 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)					Thu Jun 24 01:05:06 GMT 2010			
Patterns	#	Primary Pattern		Secondary Pattern		Exposures				
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true			(1-2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(10)	RX-CAM	RA: 04 04 58.4610 (61.2435875d) Dec: +58 39 35.21 (58.65978d) Equinox: J2000		V=7.68	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(10) RX-CAM		WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	5.7 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
2	(10) RX-CAM		WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	14.2 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	



Proposal 12215 - Visit 10 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:08 GMT 2010

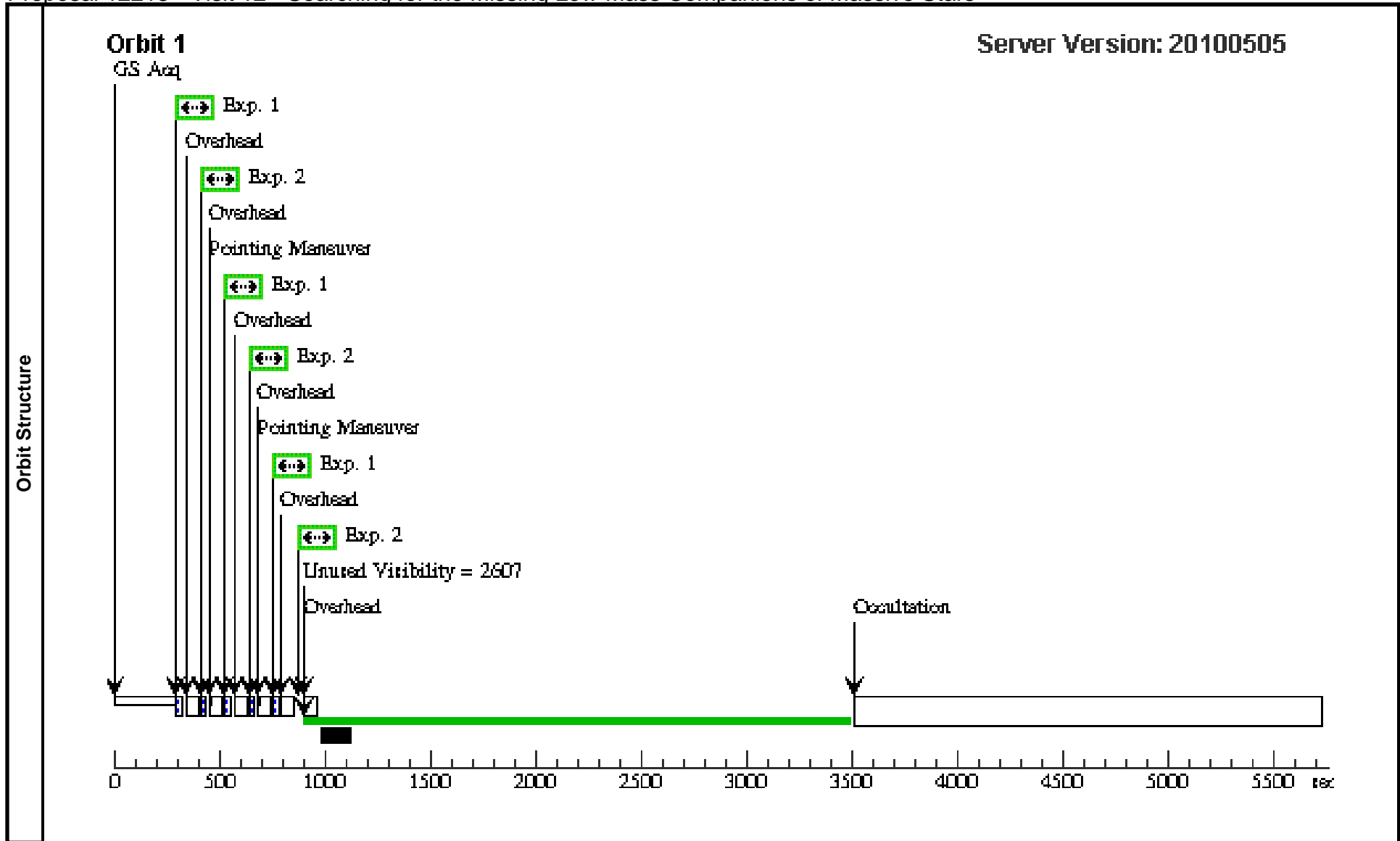
Visit	<b>Proposal 12215, Visit 11</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(11)	Y-CAR	RA: 10 33 10.8520 (158.2952167d) Dec: -58 29 55.09 (-58.49864d) Equinox: J2000		V=8.08	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(11) Y-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	8.2 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
2		(11) Y-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	20.6 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	



Proposal 12215 - Visit 11 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:08 GMT 2010

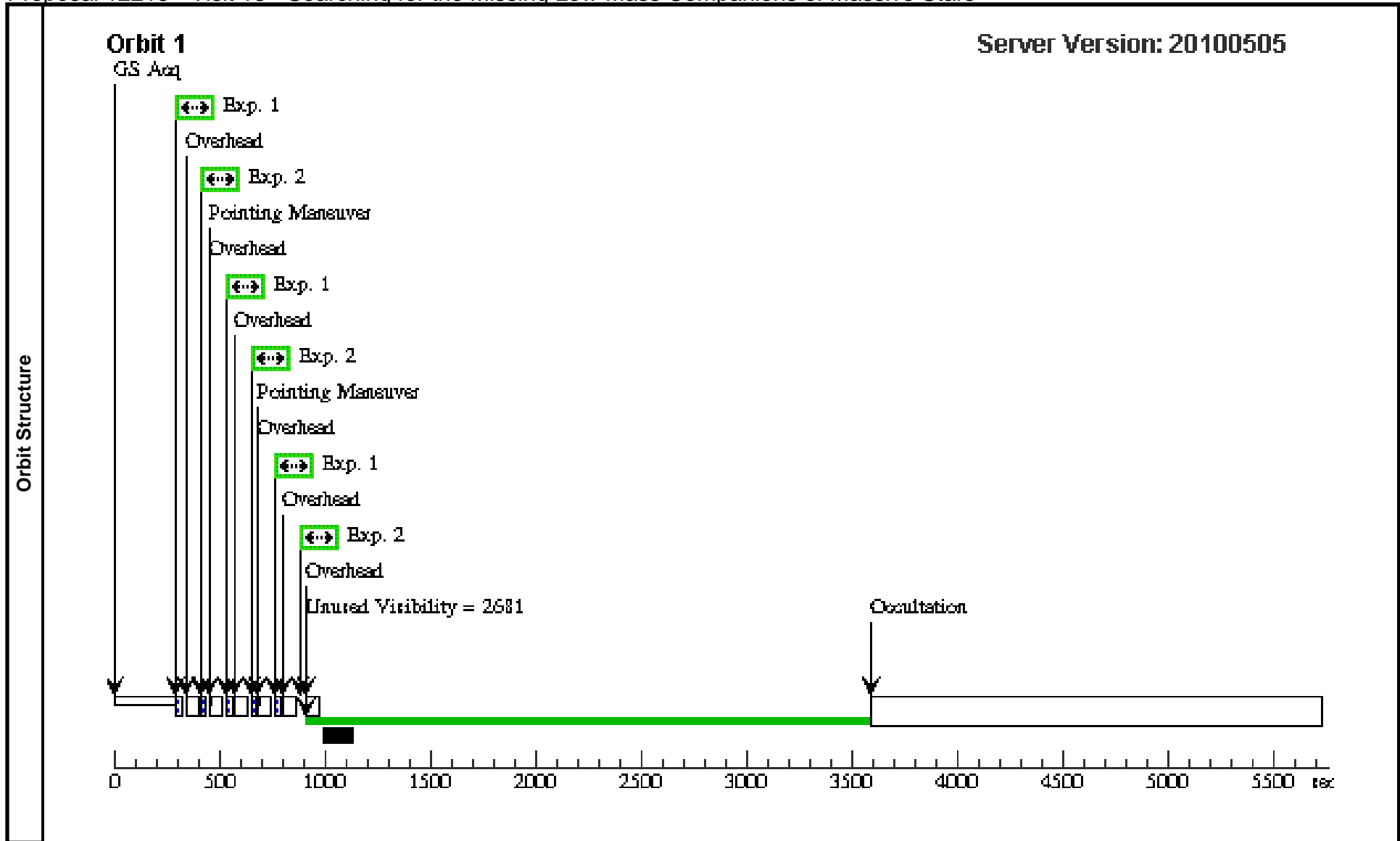
Visit	<b>Proposal 12215, Visit 12</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(12)	L-CAR	RA: 09 45 14.8110 (146.3117125d) Dec: -62 30 28.45 (-62.50790d) Equinox: J2000		V=3.72	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(12) L-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	0.5 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
	2		(12) L-CAR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	0.5 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
									[==>(Pattern 3)]	



Proposal 12215 - Visit 12 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:09 GMT 2010

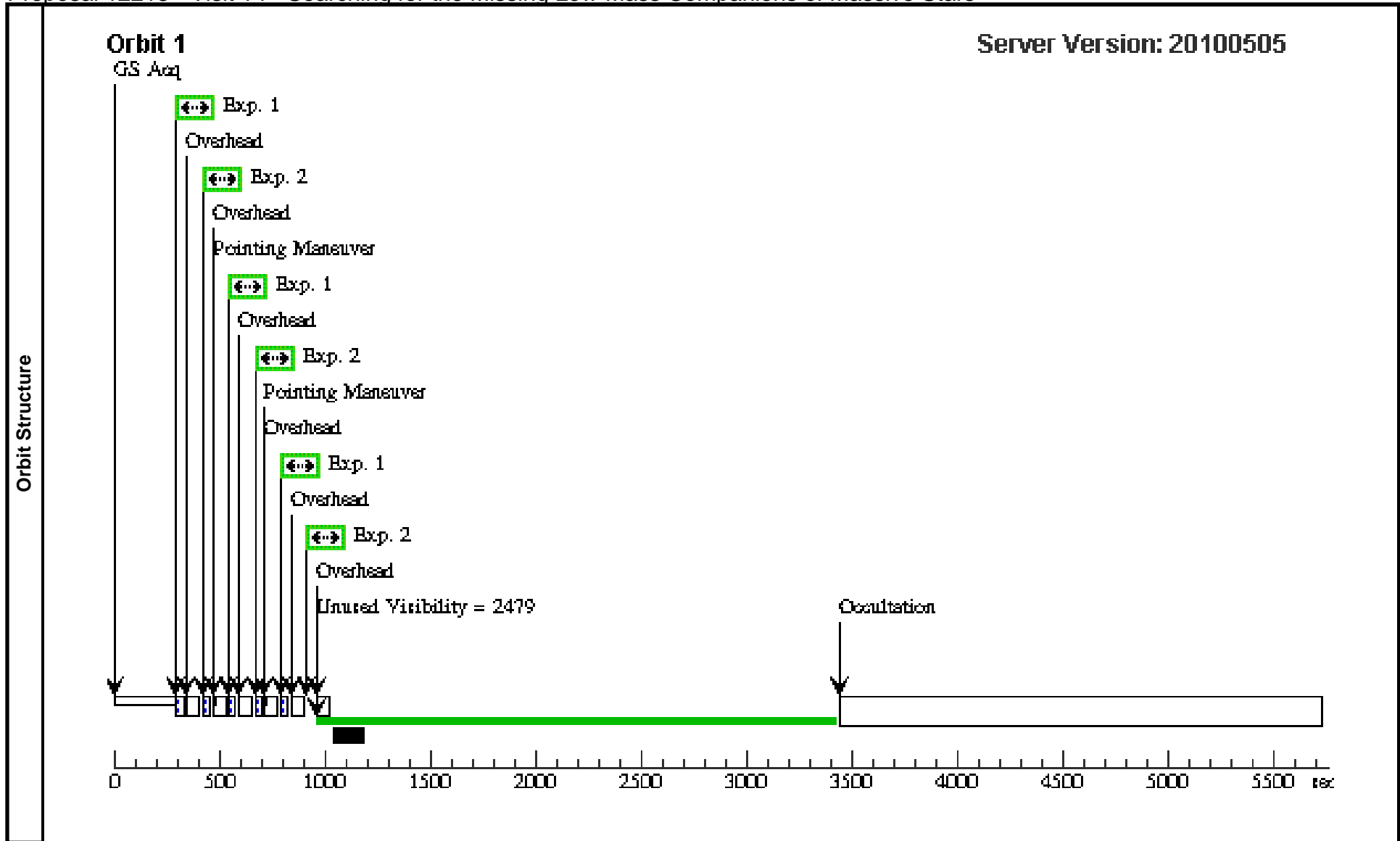
Visit	Proposal 12215, Visit 13 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(13)	SU-CAS	RA: 02 51 58.7520 (42.9948000d) Dec: +68 53 18.59 (68.88850d) Equinox: J2000		V=5.97	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(13) SU-CAS	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	1.2 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
	2		(13) SU-CAS	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	2.9 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
									[==>(Pattern 3)]	



Proposal 12215 - Visit 13 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:10 GMT 2010

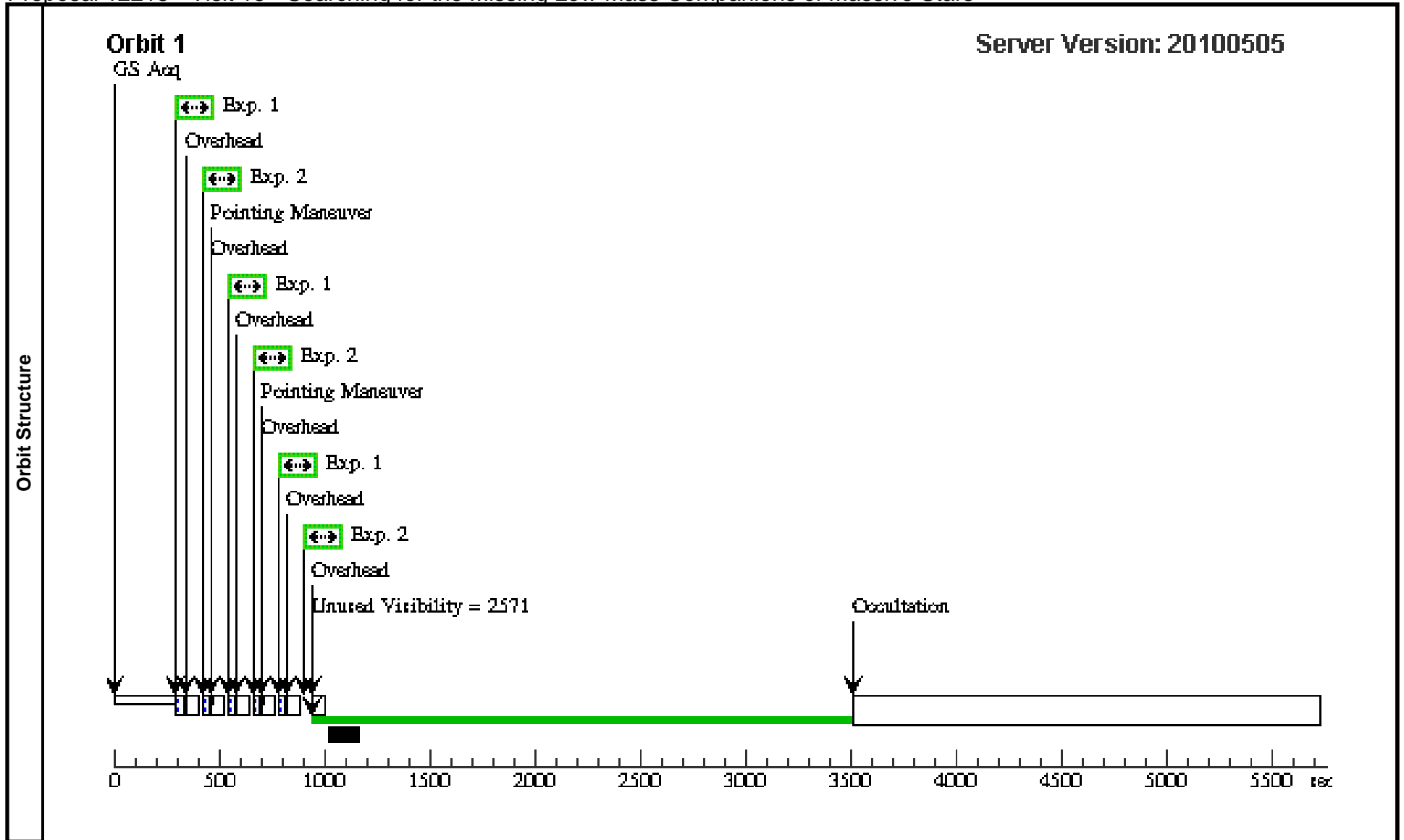
Visit	<b>Proposal 12215, Visit 14</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(14)	TU-CAS	RA: 00 26 19.4470 (6.5810292d) Dec: +51 16 49.30 (51.28036d) Equinox: J2000		V=7.73	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(14) TU-CAS	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	5.9 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
2		(14) TU-CAS	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	14.9 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	



Proposal 12215 - Visit 14 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:11 GMT 2010

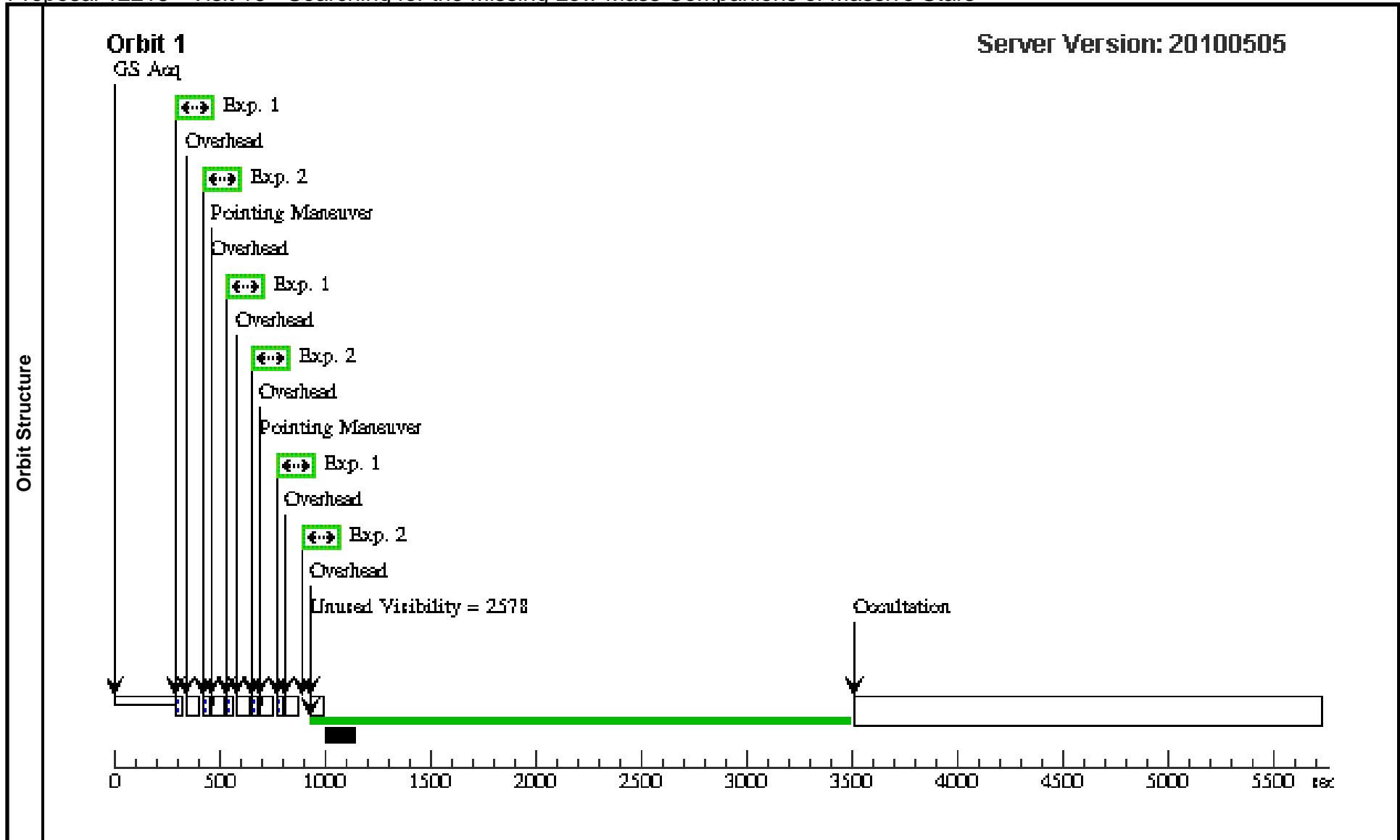
Visit	<b>Proposal 12215, Visit 15</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(15)	V636-CAS	RA: 01 32 43.2260 (23.1801083d) Dec: +63 35 37.69 (63.59380d) Equinox: J2000		V=7.19	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(15) V636-CAS	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	3.6 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
	2		(15) V636-CAS	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	9.1 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
									[==>(Pattern 3)]	



Proposal 12215 - Visit 15 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:11 GMT 2010

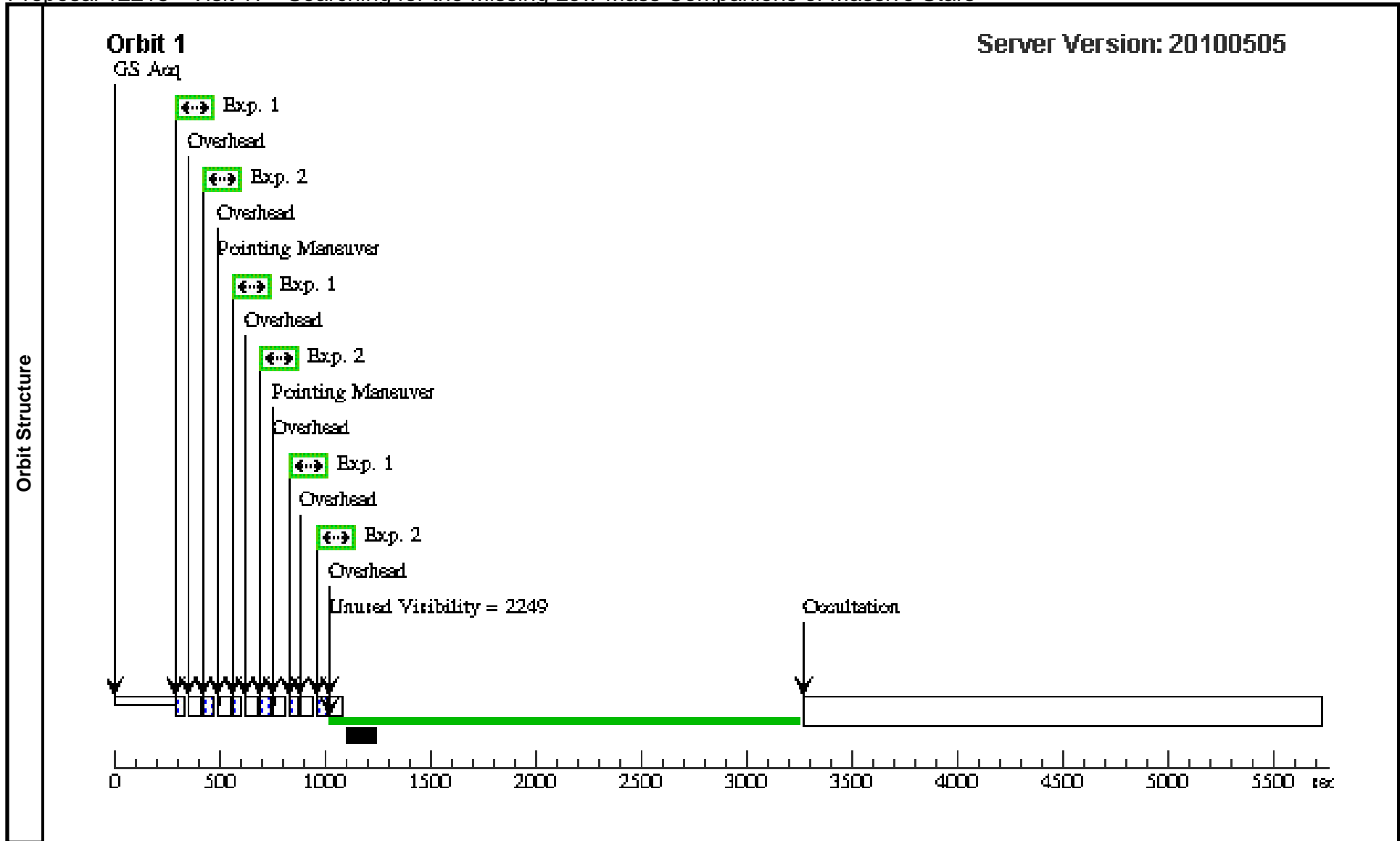
Visit	<b>Proposal 12215, Visit 16</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(16)	V-CEN	RA: 14 32 33.0840 (218.1378500d) Dec: -56 53 15.78 (-56.88772d) Equinox: J2000		V=6.83	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(16) V-CEN	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	2.6 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
	2		(16) V-CEN	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	6.5 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
									[==>(Pattern 3)]	



Proposal 12215 - Visit 16 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:12 GMT 2010

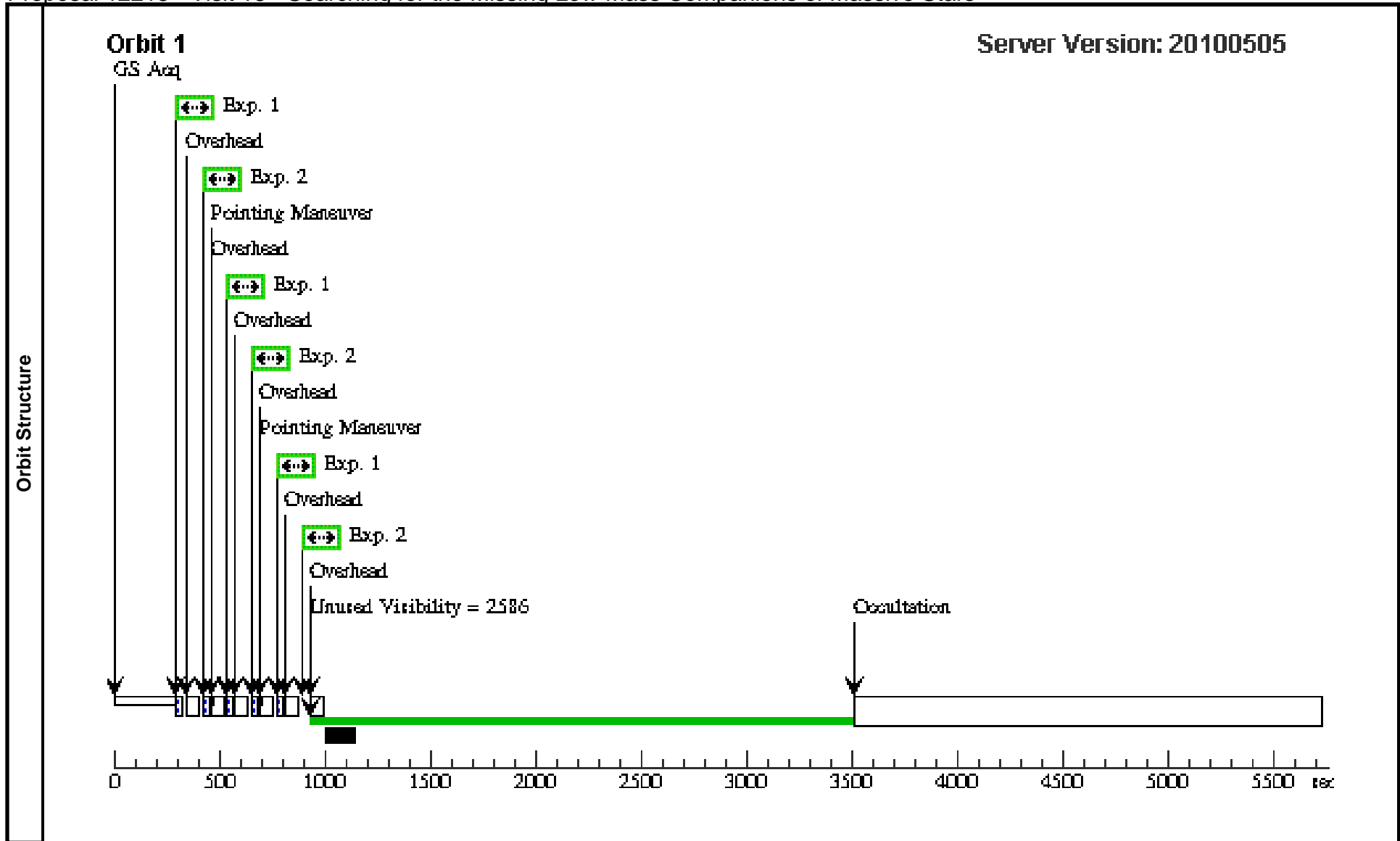
Visit	<b>Proposal 12215, Visit 17</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(17)	V553-CEN	RA: 14 46 33.6350 (221.6401458d) Dec: -32 10 15.25 (-32.17090d) Equinox: J2000		V=8.45	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(17) V553-CEN	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	11.5 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
2		(17) V553-CEN	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	28.9 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	



Proposal 12215 - Visit 17 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:12 GMT 2010

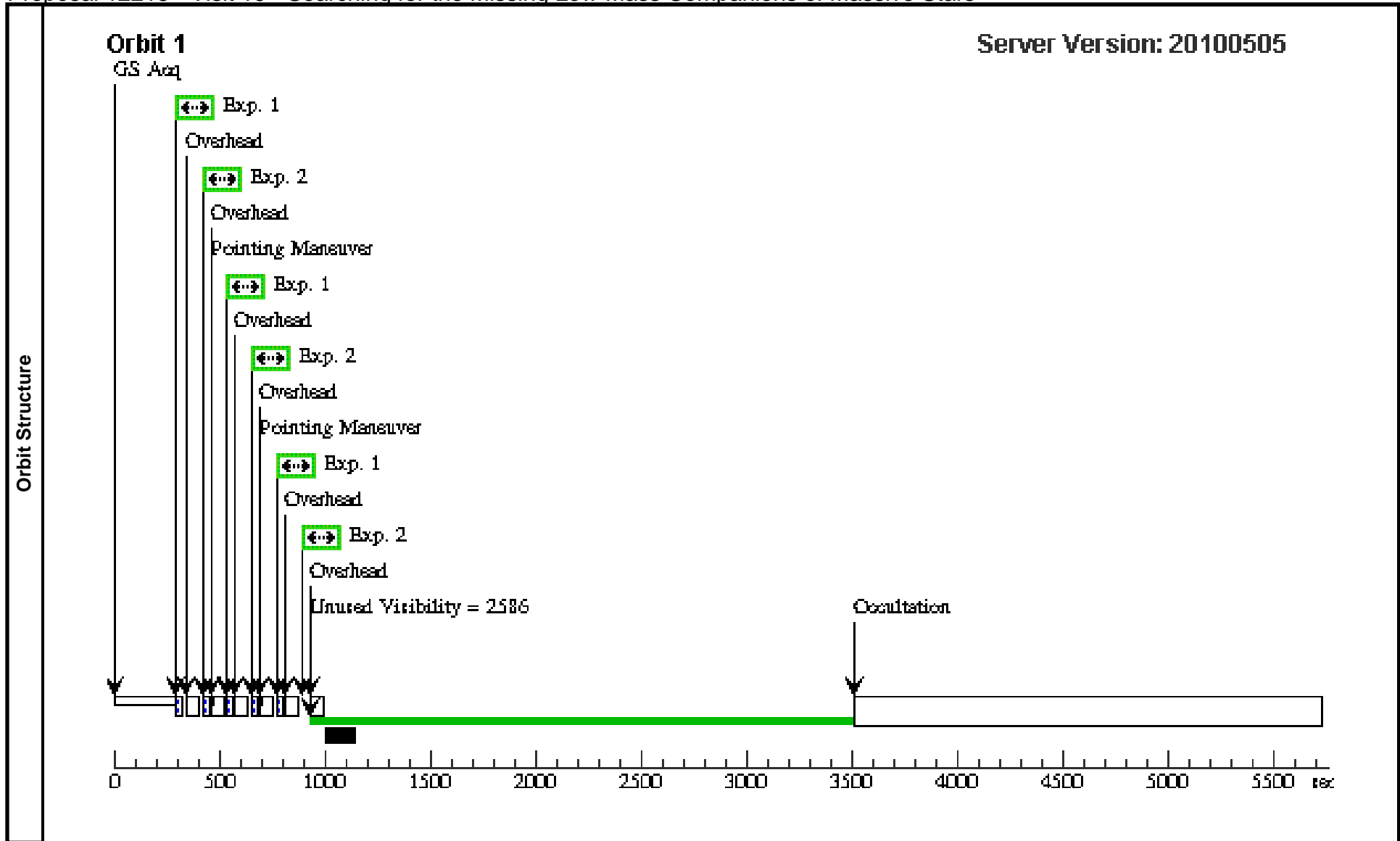
Visit	<b>Proposal 12215, Visit 18</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(18)	V659-CEN	RA: 13 31 33.4120 (202.8892167d) Dec: -61 34 56.50 (-61.58236d) Equinox: J2000		V=6.59	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(18) V659-CEN	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	2.1 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
	2		(18) V659-CEN	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	5.2 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
									[==>(Pattern 3)]	



Proposal 12215 - Visit 18 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:13 GMT 2010

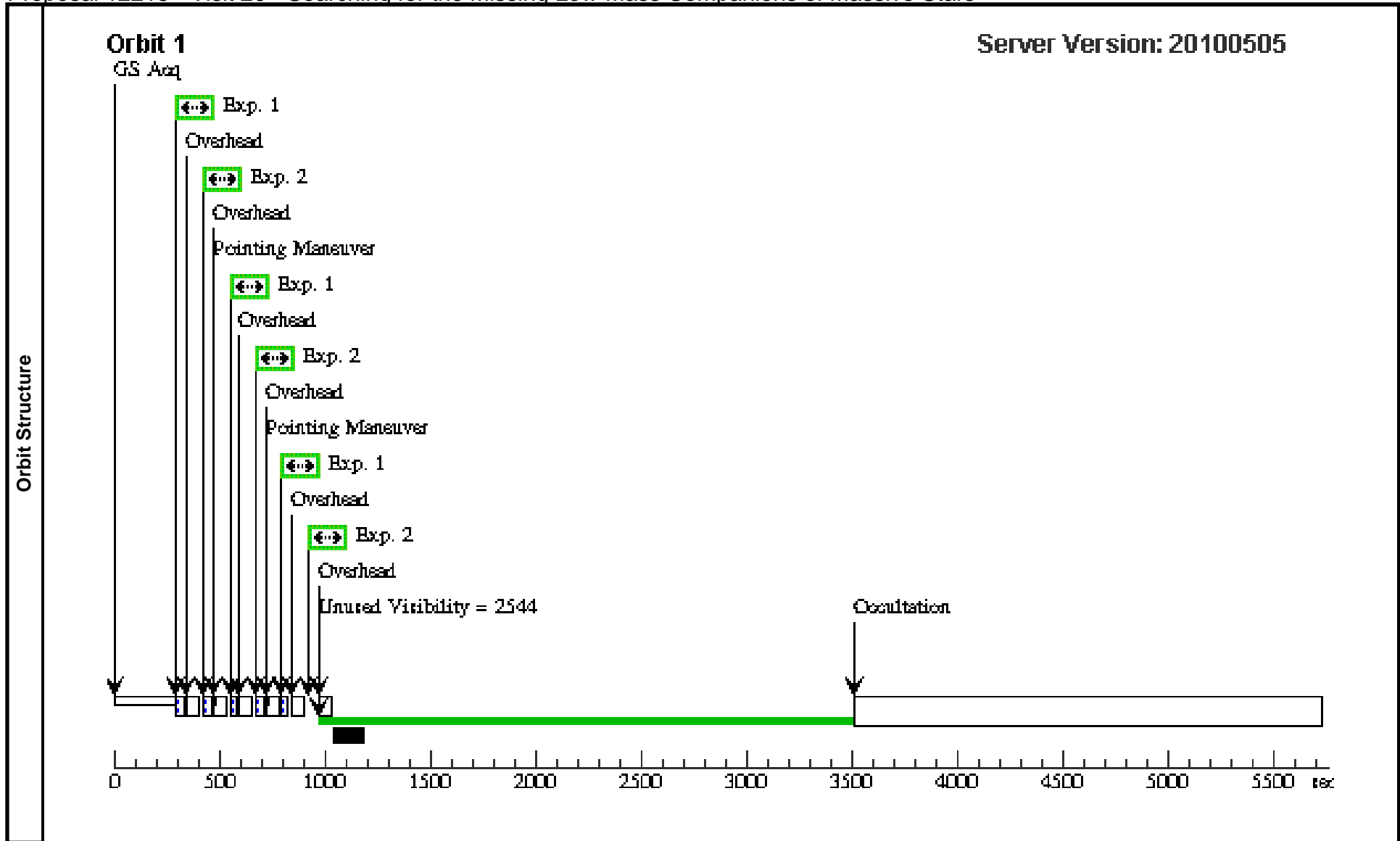
Visit	<b>Proposal 12215, Visit 19</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(19)	V737-CEN	RA: 14 37 11.9670 (219.2998625d) Dec: -62 00 39.23 (-62.01090d) Equinox: J2000		V=6.71	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(19) V737-CEN	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	2.3 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
	2		(19) V737-CEN	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	5.8 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
									[==>(Pattern 3)]	



Proposal 12215 - Visit 19 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:13 GMT 2010

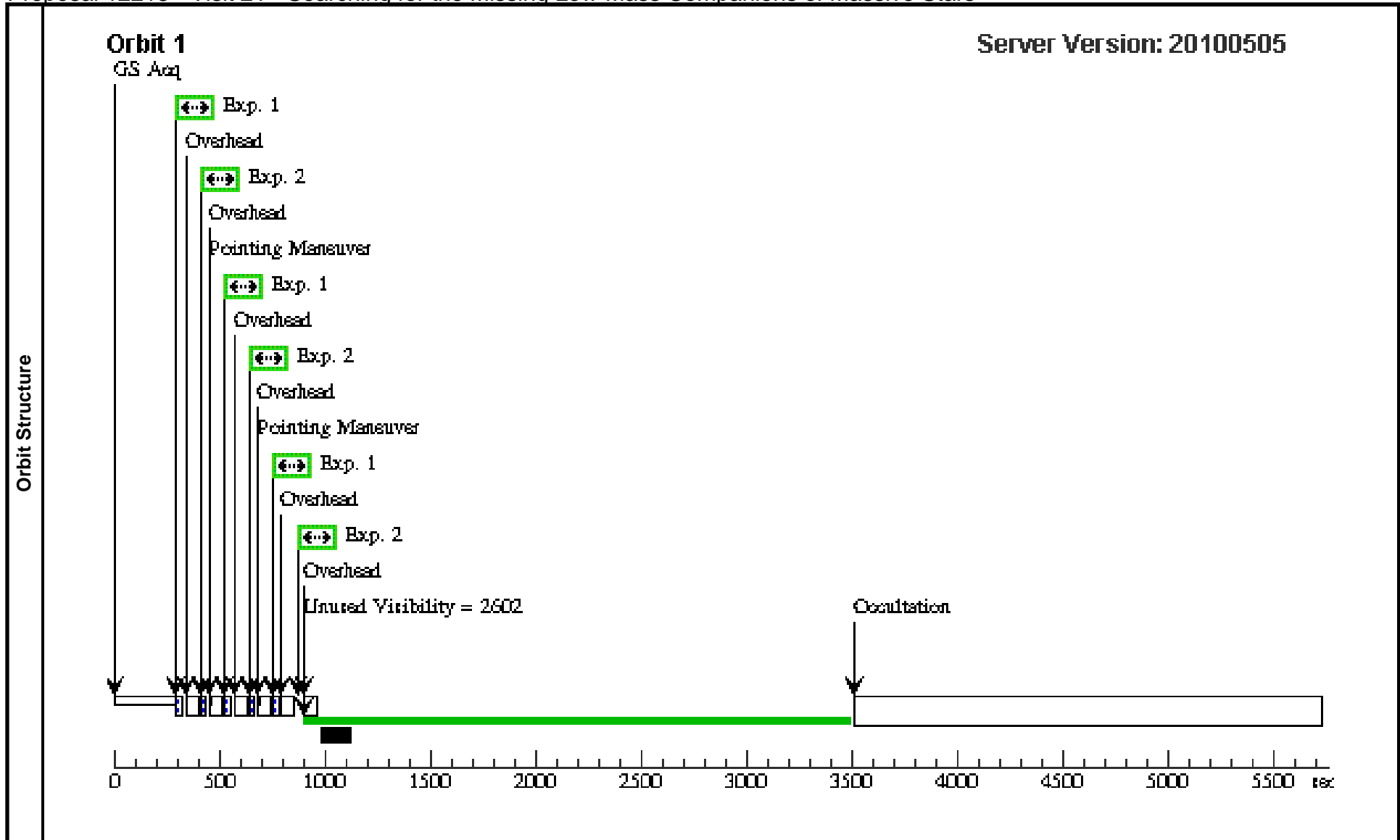
Visit	<b>Proposal 12215, Visit 20</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(20)	IR-CEP	RA: 21 57 51.9250 (329.4663542d) Dec: +61 01 7.90 (61.01886d) Equinox: J2000		V=7.78	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(20) IR-CEP	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	6.2 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
2		(20) IR-CEP	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	15.6 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	



Proposal 12215 - Visit 20 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:13 GMT 2010

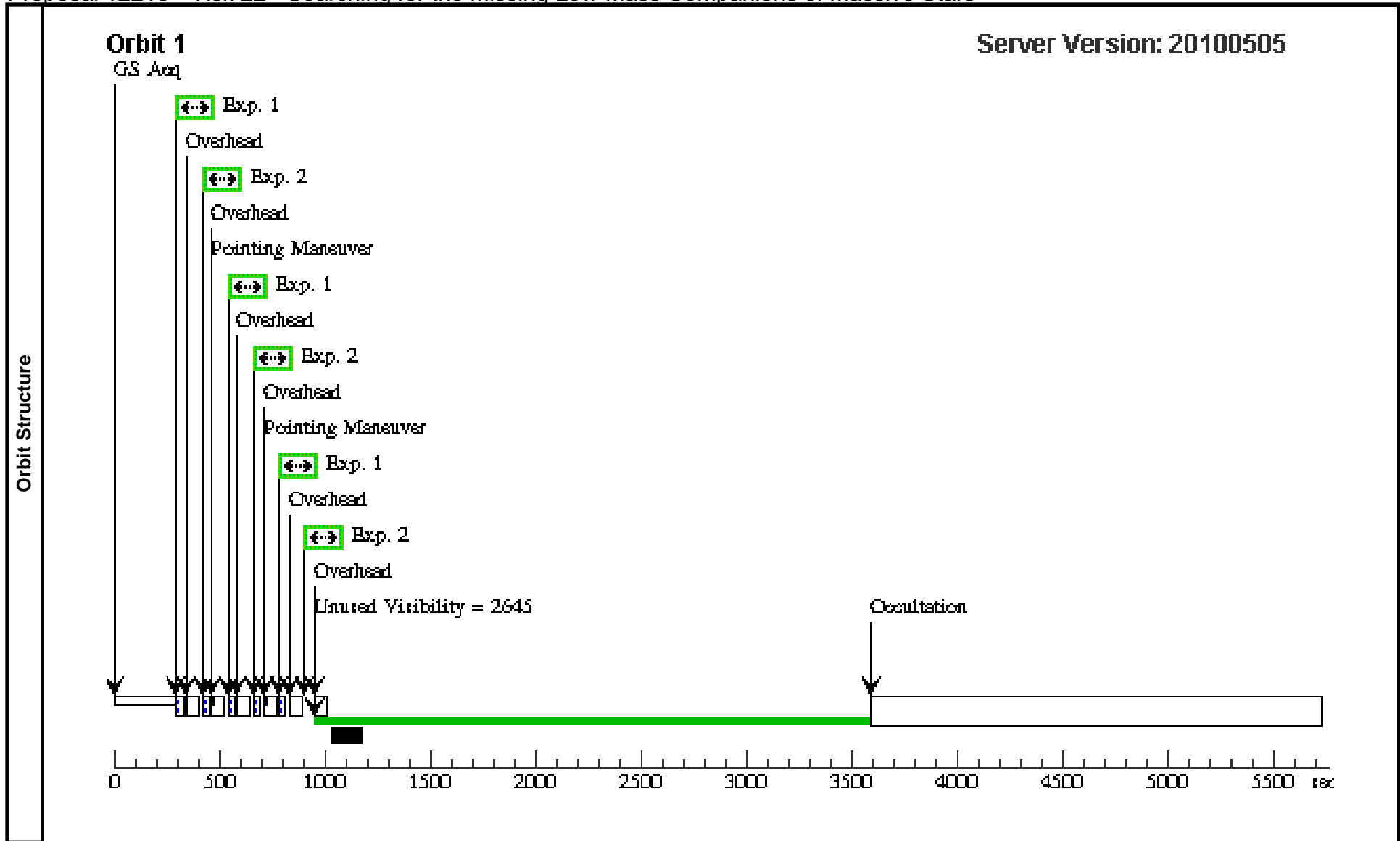
Visit	<b>Proposal 12215, Visit 21</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(21)	DEL-CEP	RA: 22 29 10.2660 (337.2927750d) Dec: +58 24 54.71 (58.41520d) Equinox: J2000		V=3.95	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(21) DEL-CEP	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	0.5 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
2		(21) DEL-CEP	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	0.5 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	



Proposal 12215 - Visit 21 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:13 GMT 2010

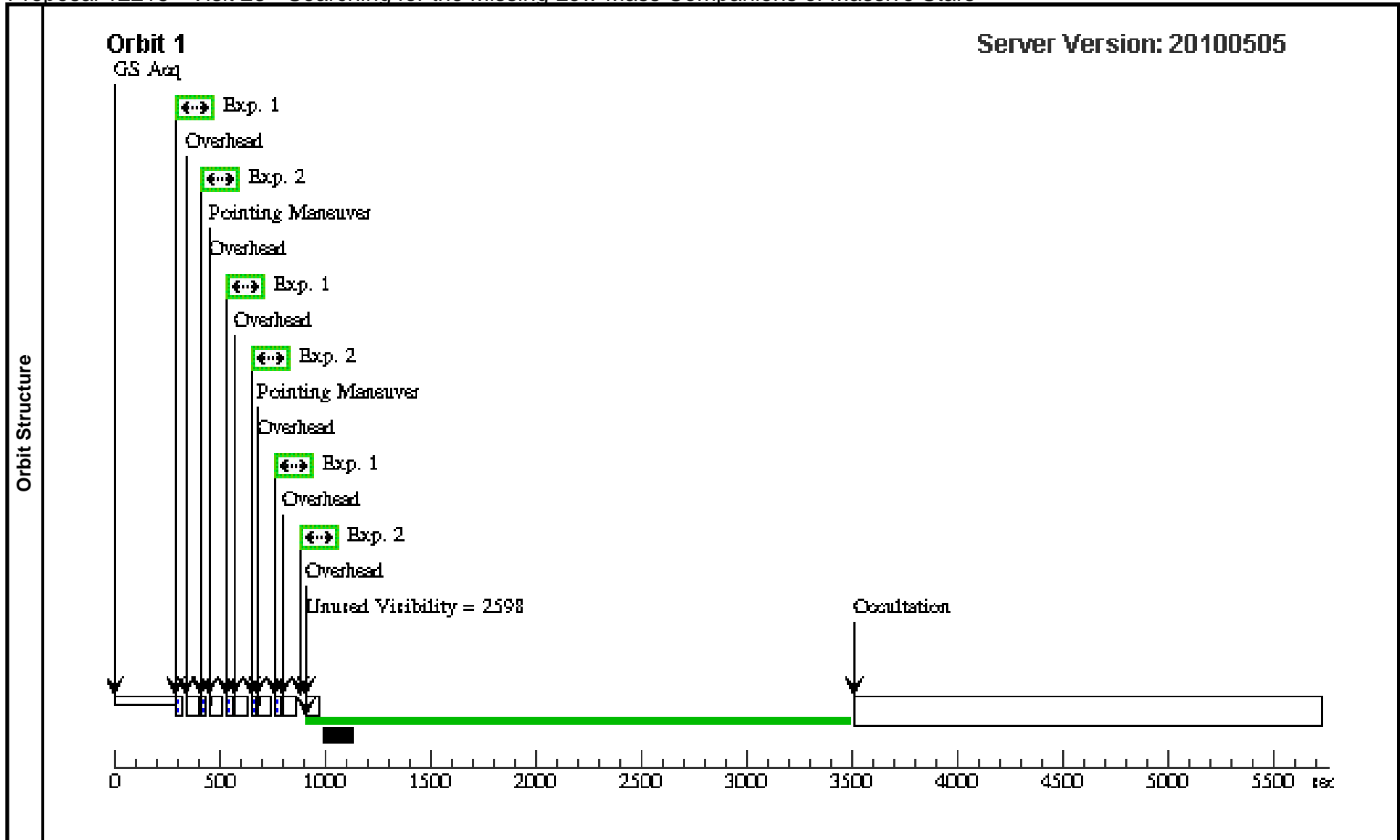
Visit	<b>Proposal 12215, Visit 22</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(22)	AV-CIR	RA: 14 50 30.2970 (222.6262375d) Dec: -67 29 51.43 (-67.49762d) Equinox: J2000		V=7.43	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(22) AV-CIR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	4.5 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
	2		(22) AV-CIR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	11.3 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
									[==>(Pattern 3)]	



Proposal 12215 - Visit 22 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:14 GMT 2010

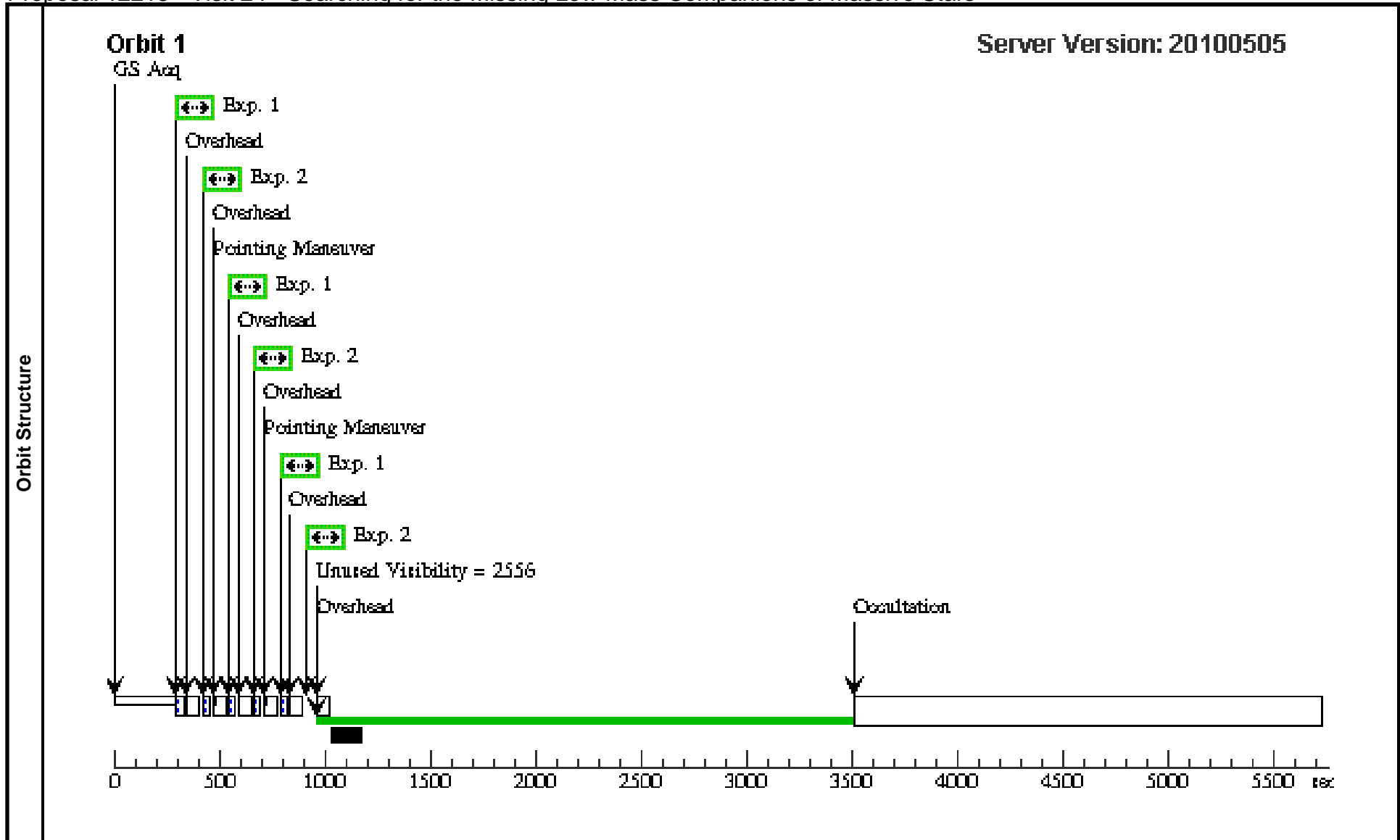
Visit	<b>Proposal 12215, Visit 23</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(23)	AX-CIR	RA: 14 52 35.2570 (223.1469042d) Dec: -63 48 35.38 (-63.80983d) Equinox: J2000		V=5.88	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(23) AX-CIR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	1.1 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
	2		(23) AX-CIR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	2.7 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
									[==>(Pattern 3)]	



Proposal 12215 - Visit 23 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:14 GMT 2010

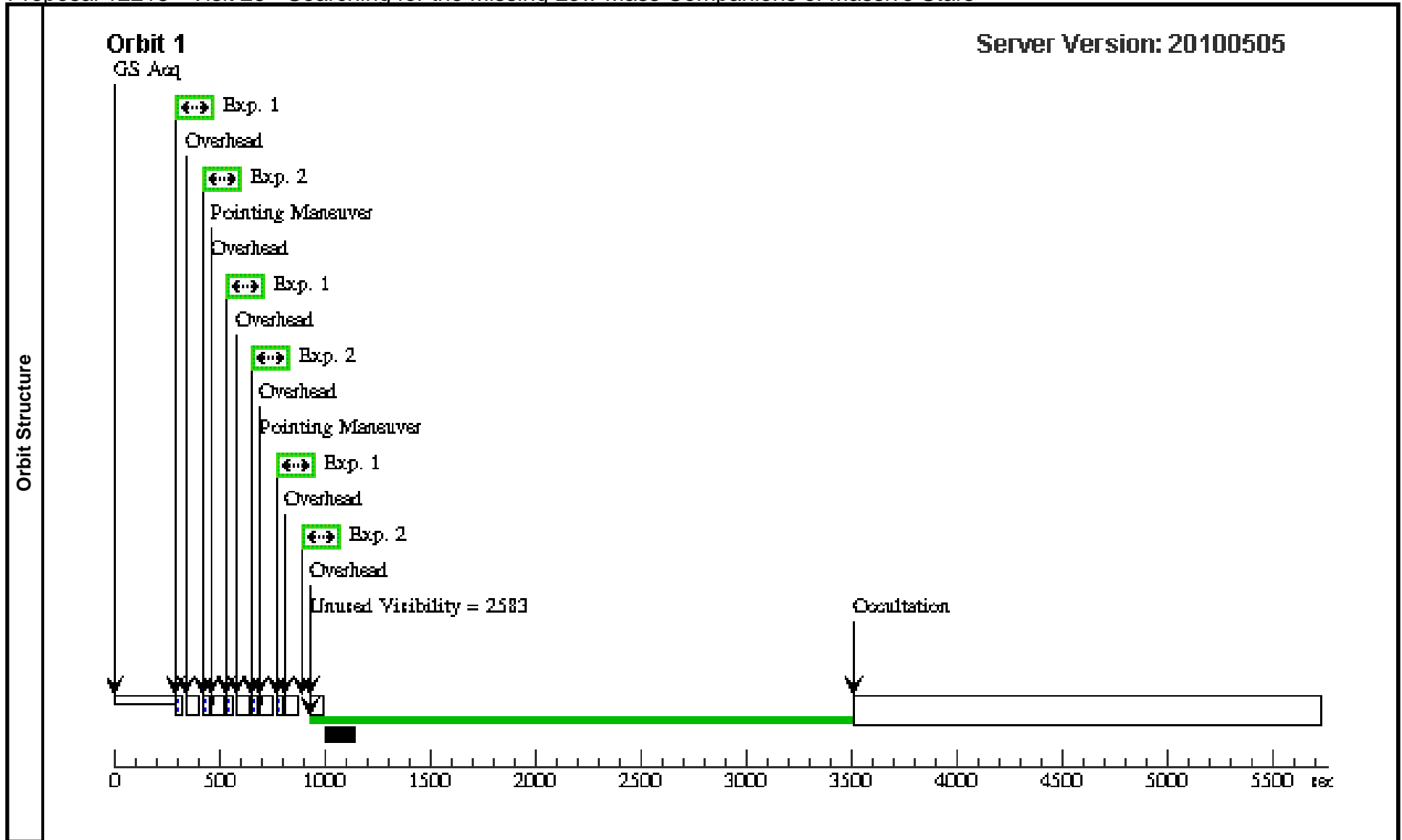
Visit	<b>Proposal 12215, Visit 24</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(24)	BP-CIR	RA: 14 46 41.9810 (221.6749208d) Dec: -61 27 42.99 (-61.46194d) Equinox: J2000		V=7.56	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(24) BP-CIR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	5.1 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
2		(24) BP-CIR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	12.7 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	



Proposal 12215 - Visit 24 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:14 GMT 2010

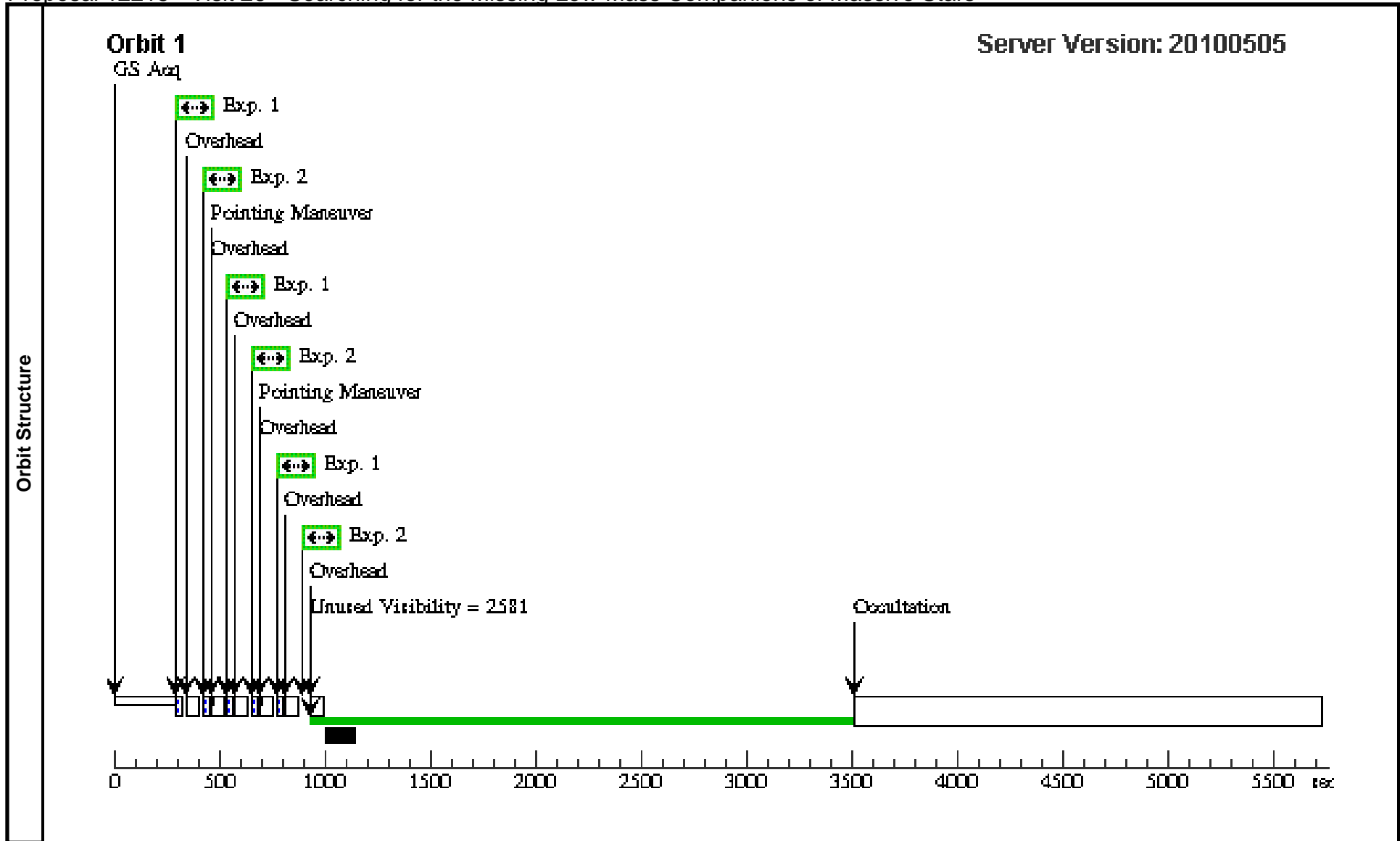
Visit	<b>Proposal 12215, Visit 25</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(25)	R-CRU	RA: 12 23 37.6910 (185.9070458d) Dec: -61 37 44.85 (-61.62912d) Equinox: J2000		V=6.76	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(25) R-CRU	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	2.4 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
2		(25) R-CRU	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	6.1 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	



Proposal 12215 - Visit 25 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:14 GMT 2010

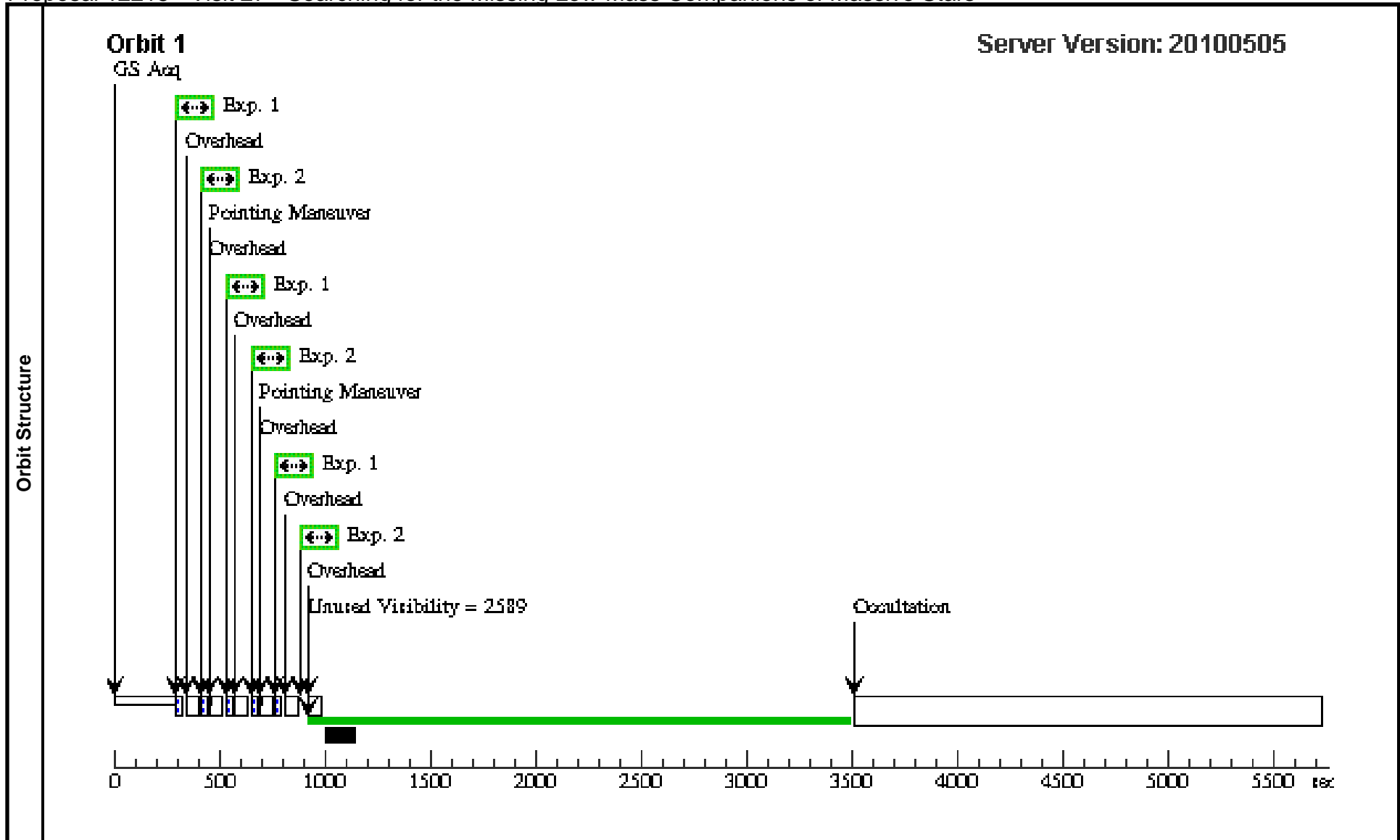
Visit	<b>Proposal 12215, Visit 26</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(26)	S-CRU	RA: 12 54 21.9980 (193.5916583d) Dec: -58 25 50.21 (-58.43061d) Equinox: J2000		V=6.6	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(26) S-CRU	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	2.1 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
2		(26) S-CRU	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	5.3 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	



Proposal 12215 - Visit 26 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:14 GMT 2010

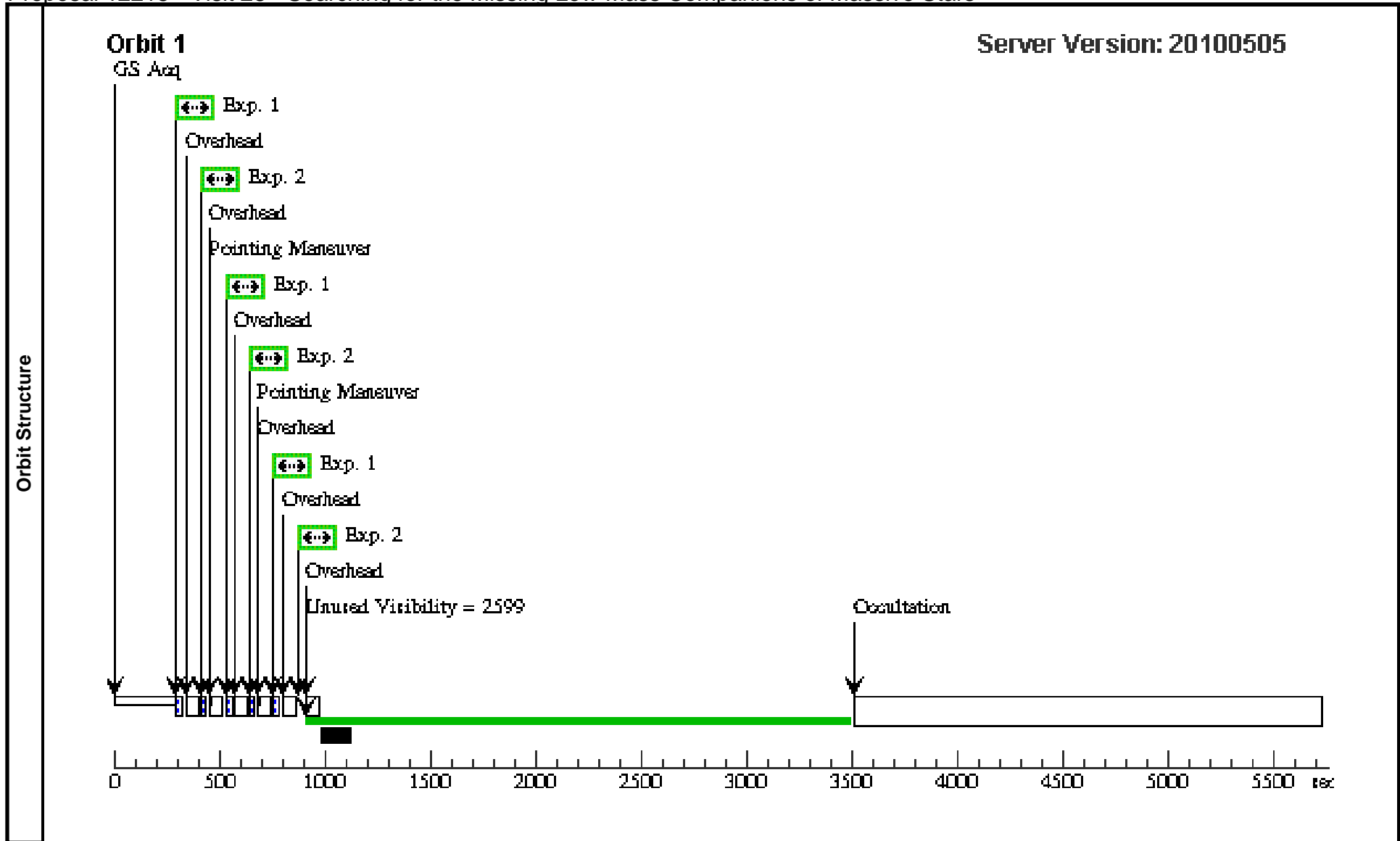
Visit	<b>Proposal 12215, Visit 27</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(27)	T-CRU	RA: 12 21 21.1290 (185.3380375d) Dec: -62 16 53.88 (-62.28163d) Equinox: J2000		V=6.56	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(27) T-CRU	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	2.0 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
	2		(27) T-CRU	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	5.1 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
									[==>(Pattern 3)]	



Proposal 12215 - Visit 27 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:15 GMT 2010

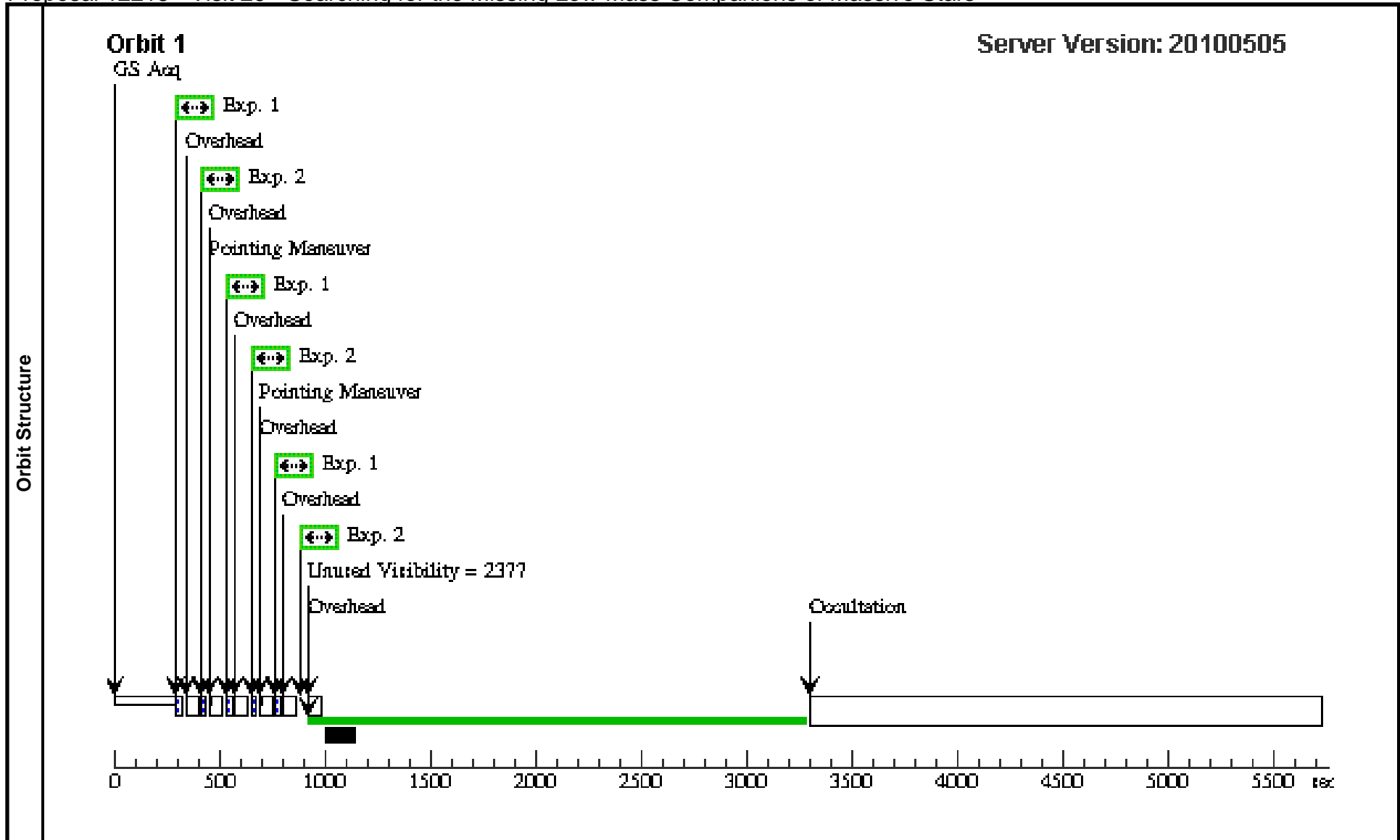
Visit	<b>Proposal 12215, Visit 28</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(28)	BG-CRU	RA: 12 31 40.3300 (187.9180417d) Dec: -59 25 26.12 (-59.42392d) Equinox: J2000		V=5.48	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(28) BG-CRU	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	0.7 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
2		(28) BG-CRU	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	1.9 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	



Proposal 12215 - Visit 28 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:15 GMT 2010

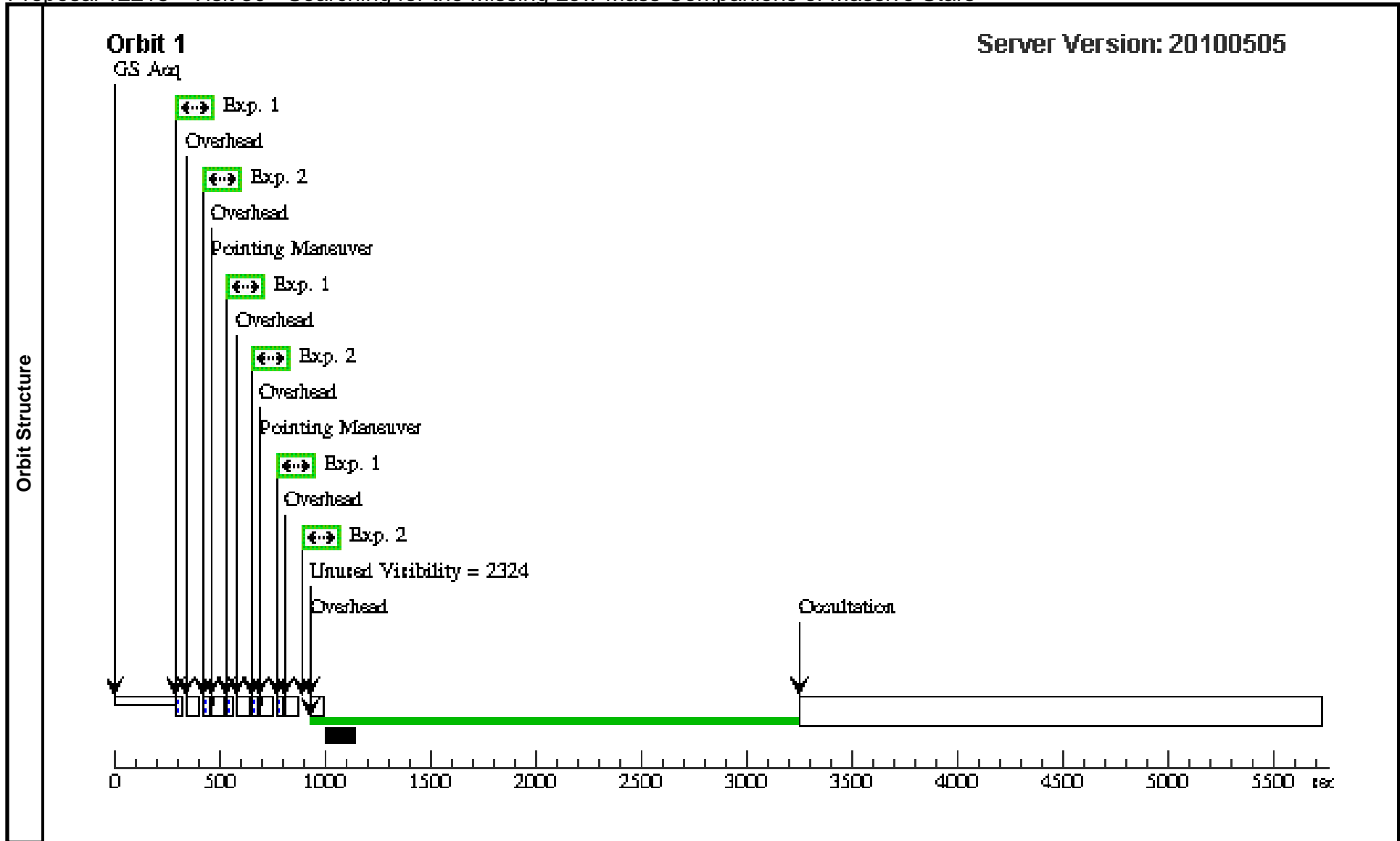
Visit	<b>Proposal 12215, Visit 29</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(29)	X-CYG	RA: 20 43 24.1930 (310.8508042d) Dec: +35 35 16.08 (35.58780d) Equinox: J2000		V=6.39	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(29) X-CYG	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	1.7 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
2		(29) X-CYG	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	4.3 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	



Proposal 12215 - Visit 29 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:15 GMT 2010

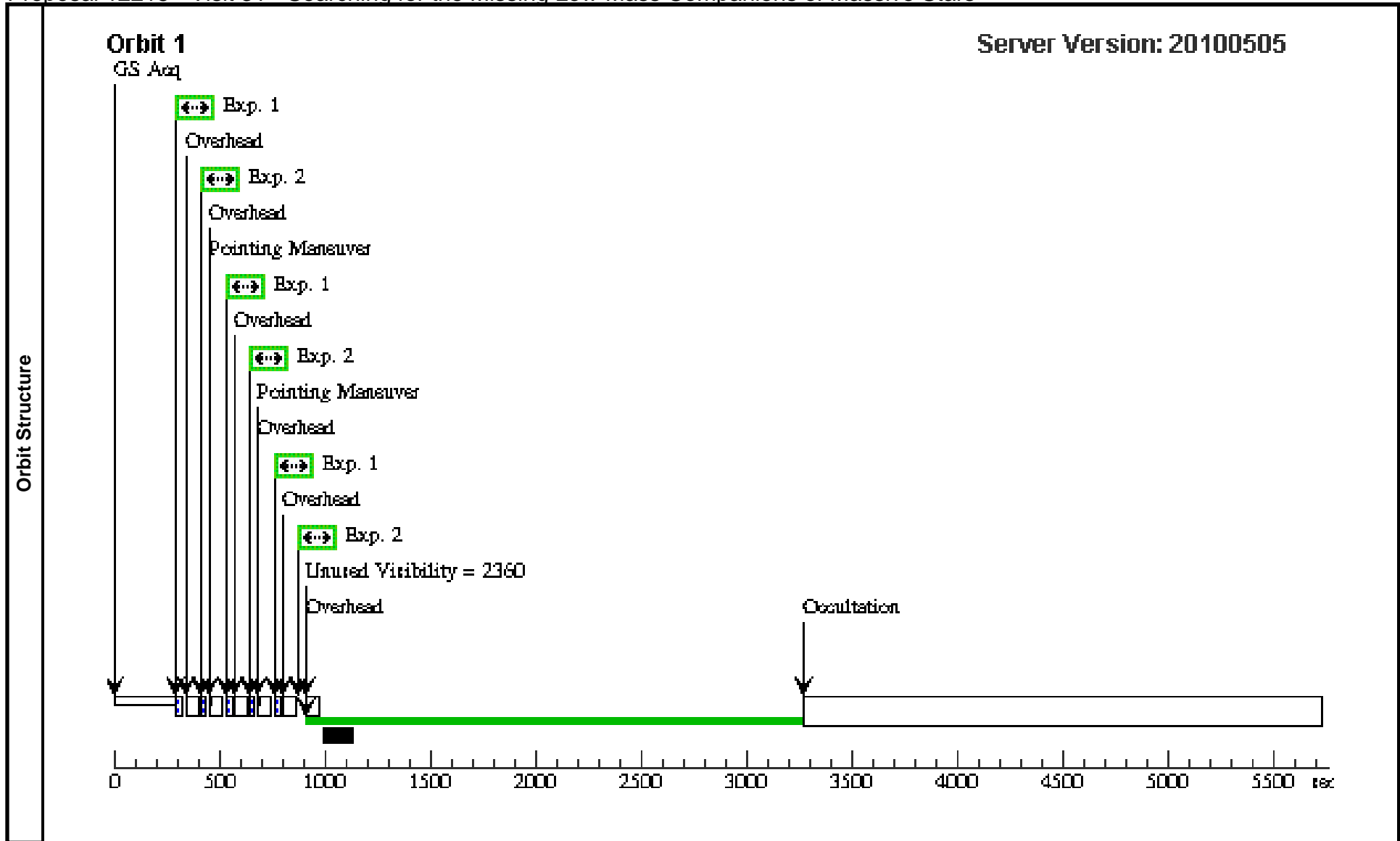
Visit	<b>Proposal 12215, Visit 30</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(30)	SU-CYG	RA: 19 44 48.7340 (296.2030583d) Dec: +29 15 52.89 (29.26469d) Equinox: J2000		V=6.85	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(30) SU-CYG	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	2.6 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
	2		(30) SU-CYG	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	6.6 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
									[==>(Pattern 3)]	



Proposal 12215 - Visit 30 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:15 GMT 2010

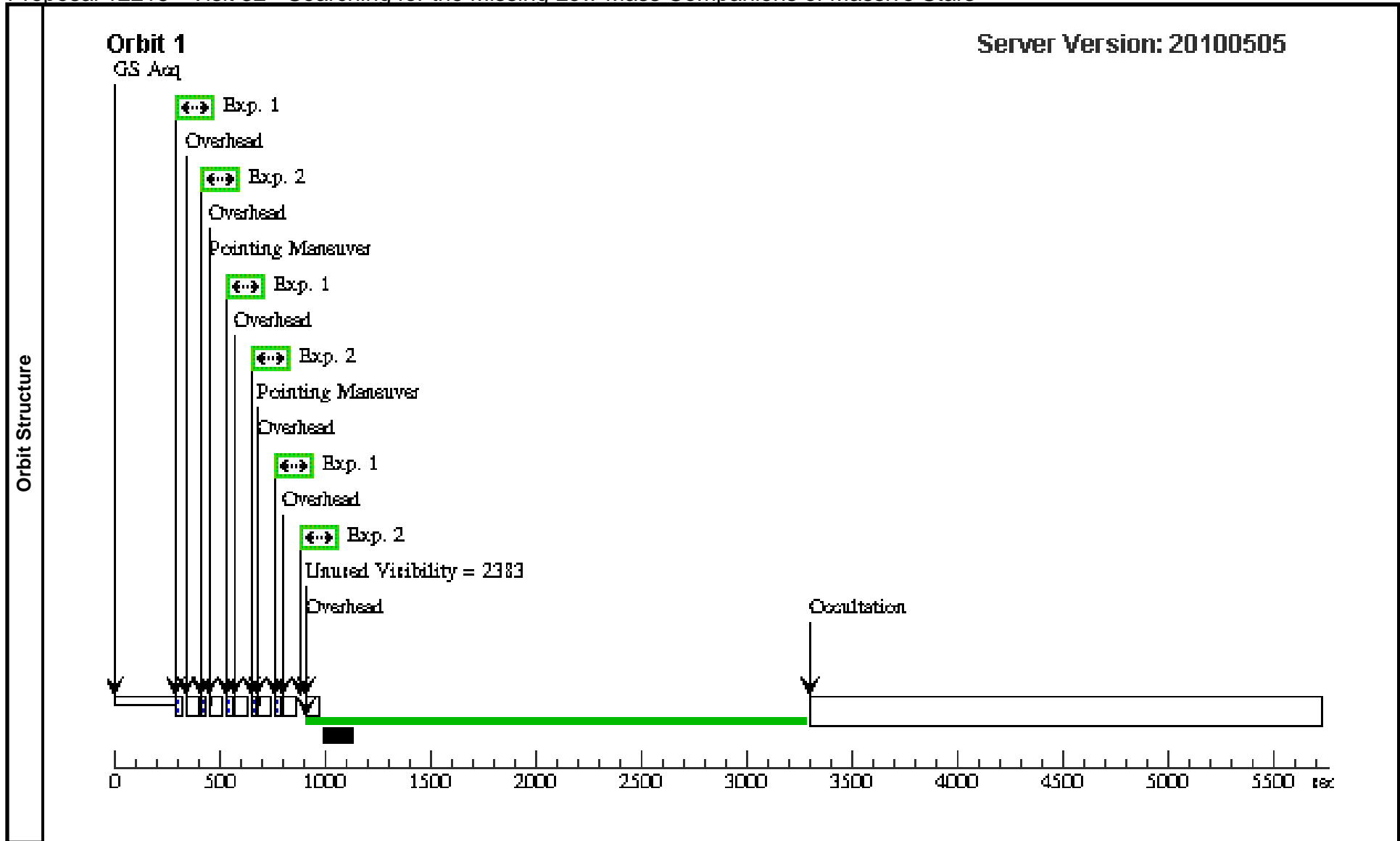
Visit	<b>Proposal 12215, Visit 31</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(31)	DT-CYG	RA: 21 06 30.2440 (316.6260167d) Dec: +31 11 4.76 (31.18466d) Equinox: J2000		V=5.77	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(31) DT-CYG	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	1.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
2		(31) DT-CYG	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	2.5 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	



Proposal 12215 - Visit 31 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:16 GMT 2010

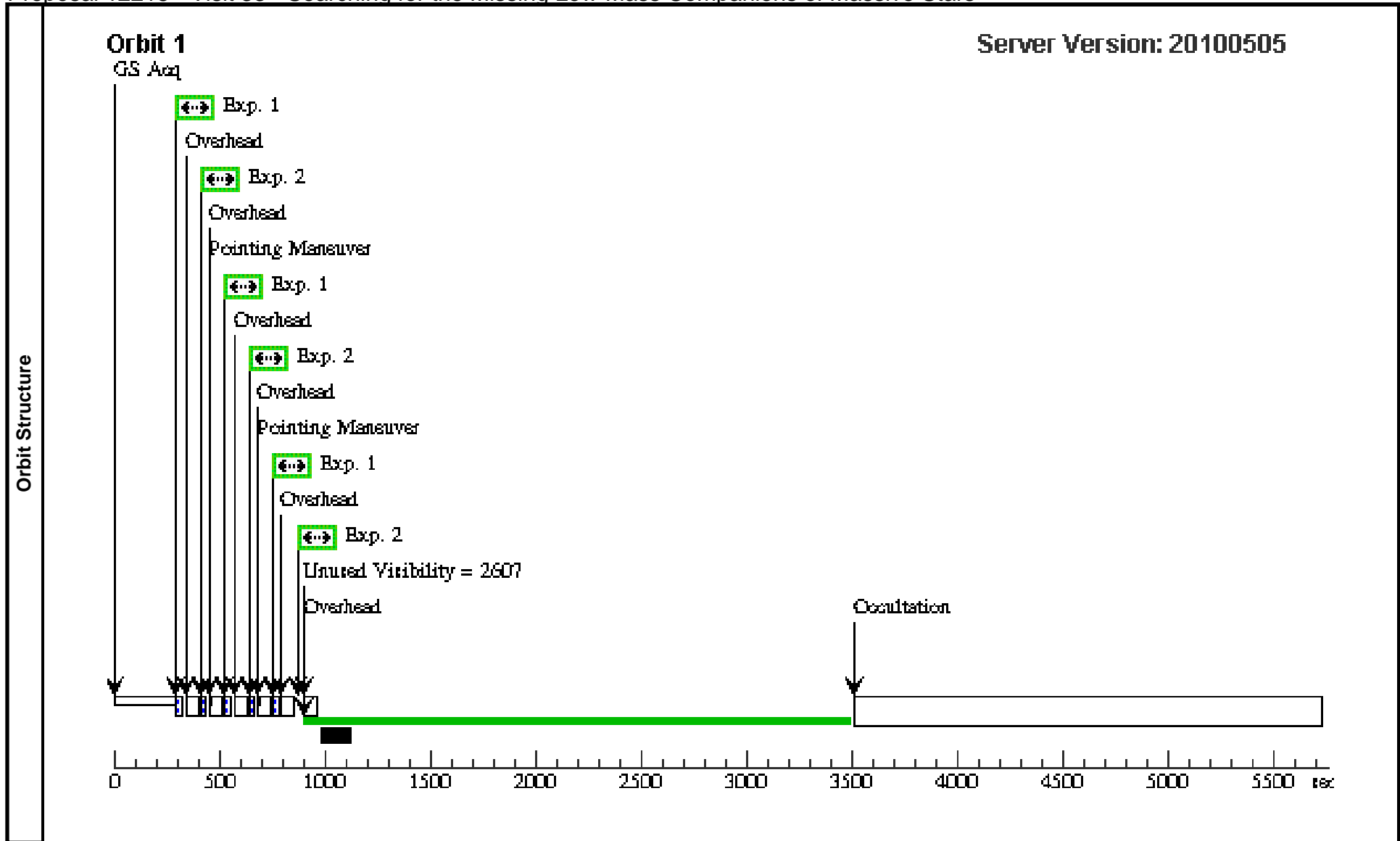
Visit	<b>Proposal 12215, Visit 32</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(32)	V1334CYG	RA: 21 19 22.1800 (319.8424167d) Dec: +38 14 14.90 (38.23747d) Equinox: J2000		V=5.87	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(32) V1334CYG	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	1.1 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
	2		(32) V1334CYG	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	2.7 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
									[==>(Pattern 3)]	



Proposal 12215 - Visit 32 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:16 GMT 2010

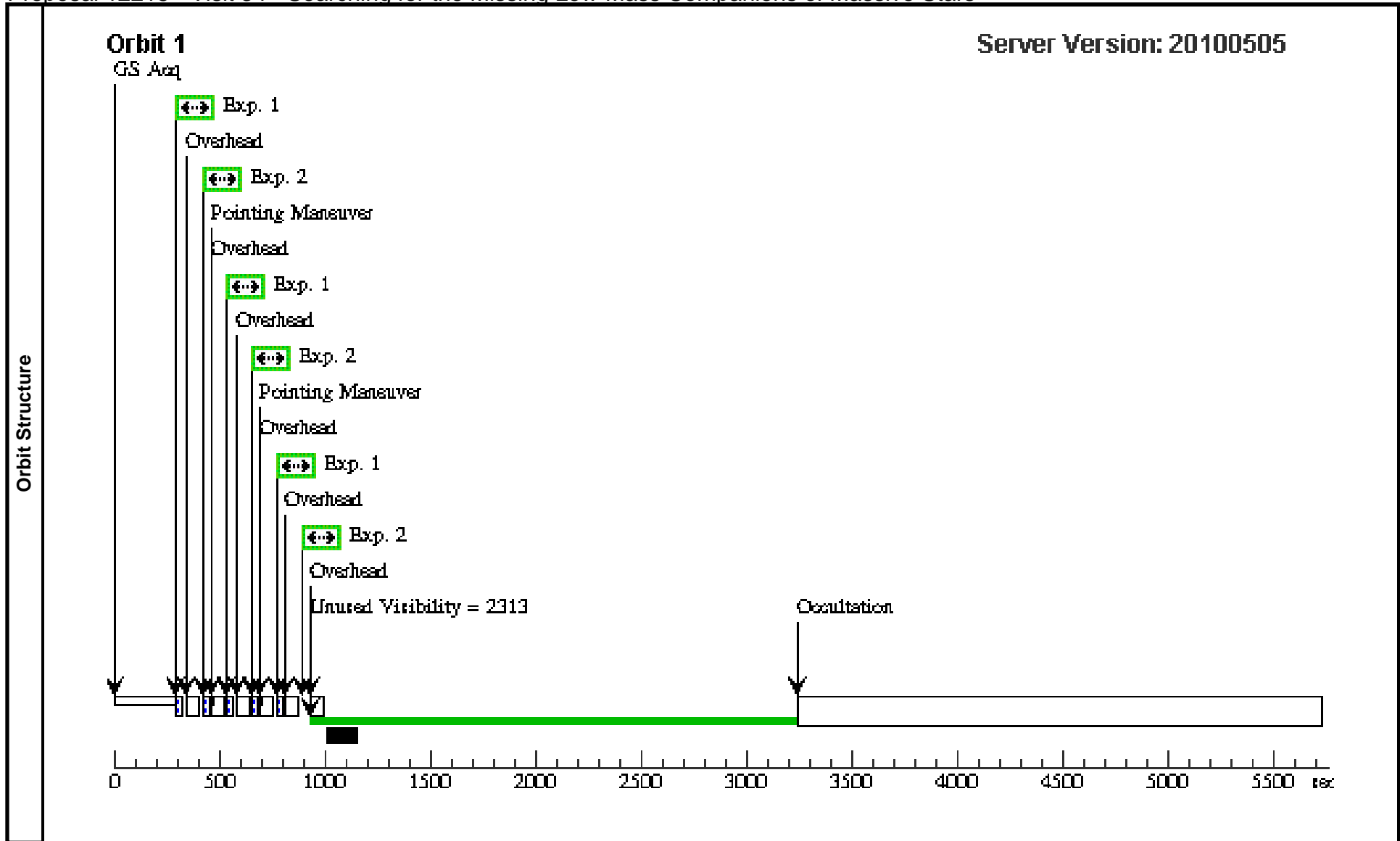
Visit	Proposal 12215, Visit 33 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(33)	BETA-DOR	RA: 05 33 37.5180 (83.4063250d) Dec: -62 29 23.37 (-62.48982d) Equinox: J2000		V=3.73	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(33) BETA-DOR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	0.5 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
	2		(33) BETA-DOR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	0.5 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
									[==>(Pattern 3)]	



Proposal 12215 - Visit 33 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:16 GMT 2010

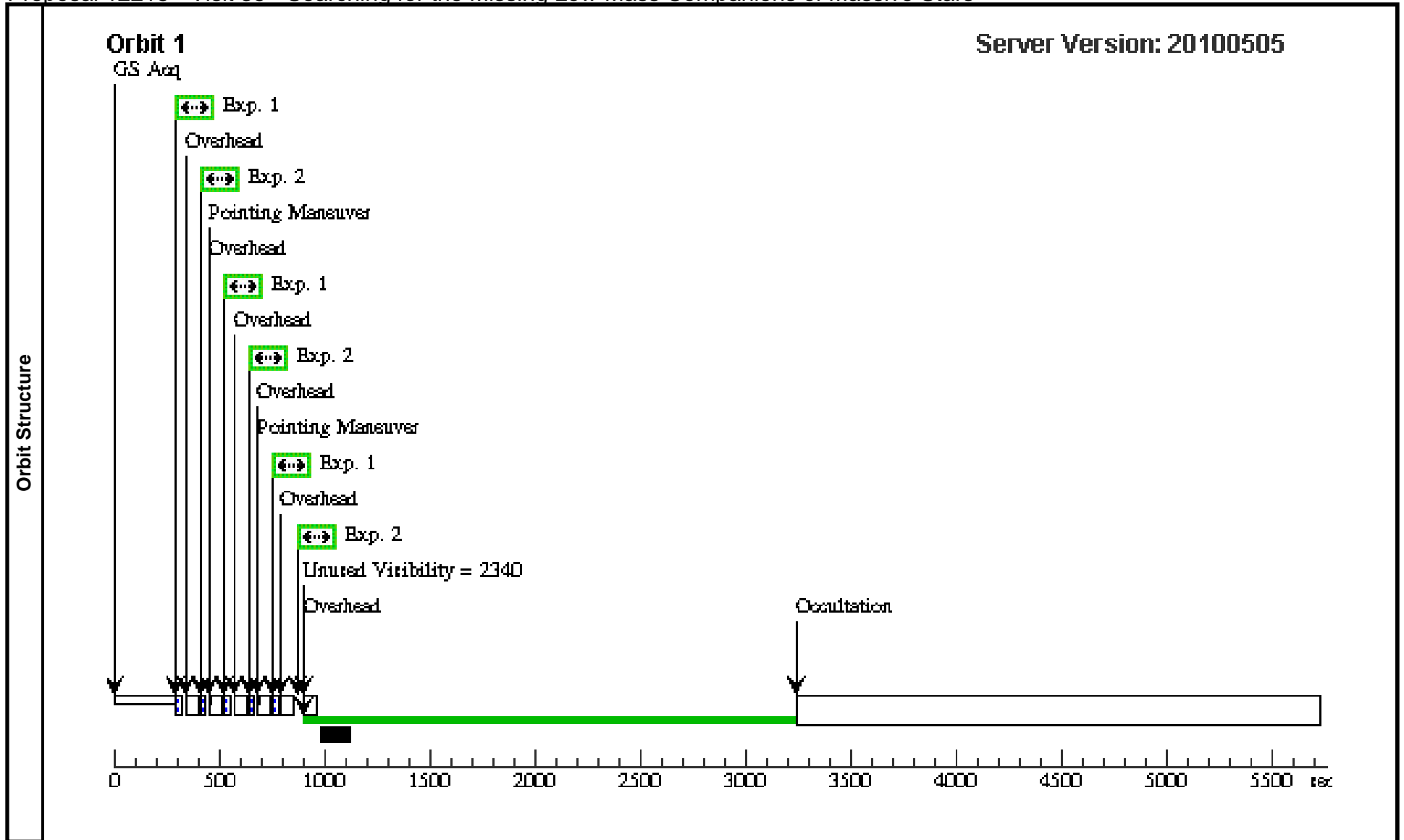
Visit	<b>Proposal 12215, Visit 34</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(34)	W-GEM	RA: 06 34 57.4530 (98.7393875d) Dec: +15 19 49.69 (15.33047d) Equinox: J2000		V=6.95	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(34) W-GEM	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	2.9 Secs	
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	2		(34) W-GEM	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	7.3 Secs	
								[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	



Proposal 12215 - Visit 34 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:16 GMT 2010

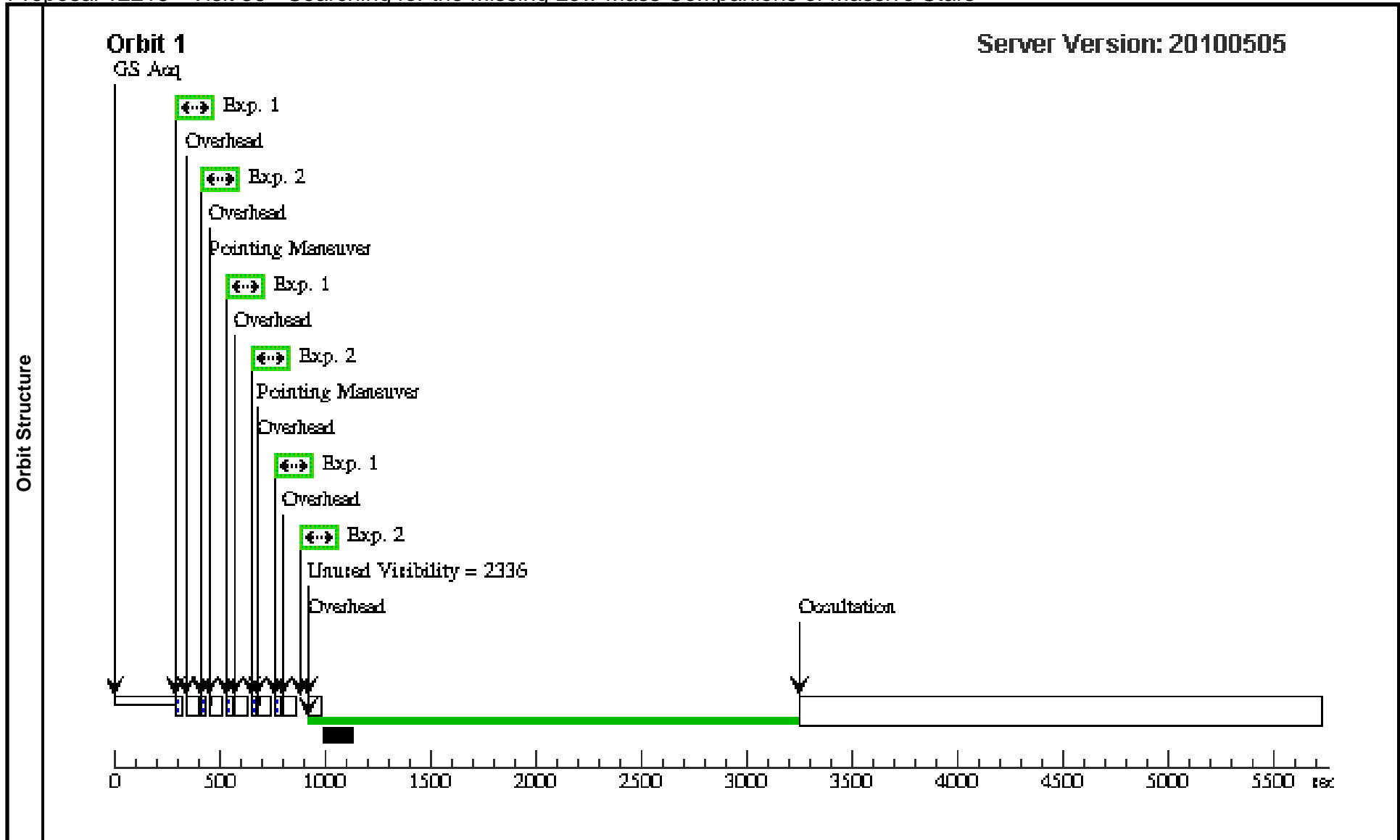
Visit	Proposal 12215, Visit 35 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(35)	ZETA-GEM	RA: 07 04 6.5320 (106.0272167d) Dec: +20 34 13.07 (20.57030d) Equinox: J2000		V=3.91	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(35) ZETA-GEM	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	0.5 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
	2		(35) ZETA-GEM	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	0.5 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
									[==>(Pattern 3)]	



Proposal 12215 - Visit 35 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:17 GMT 2010

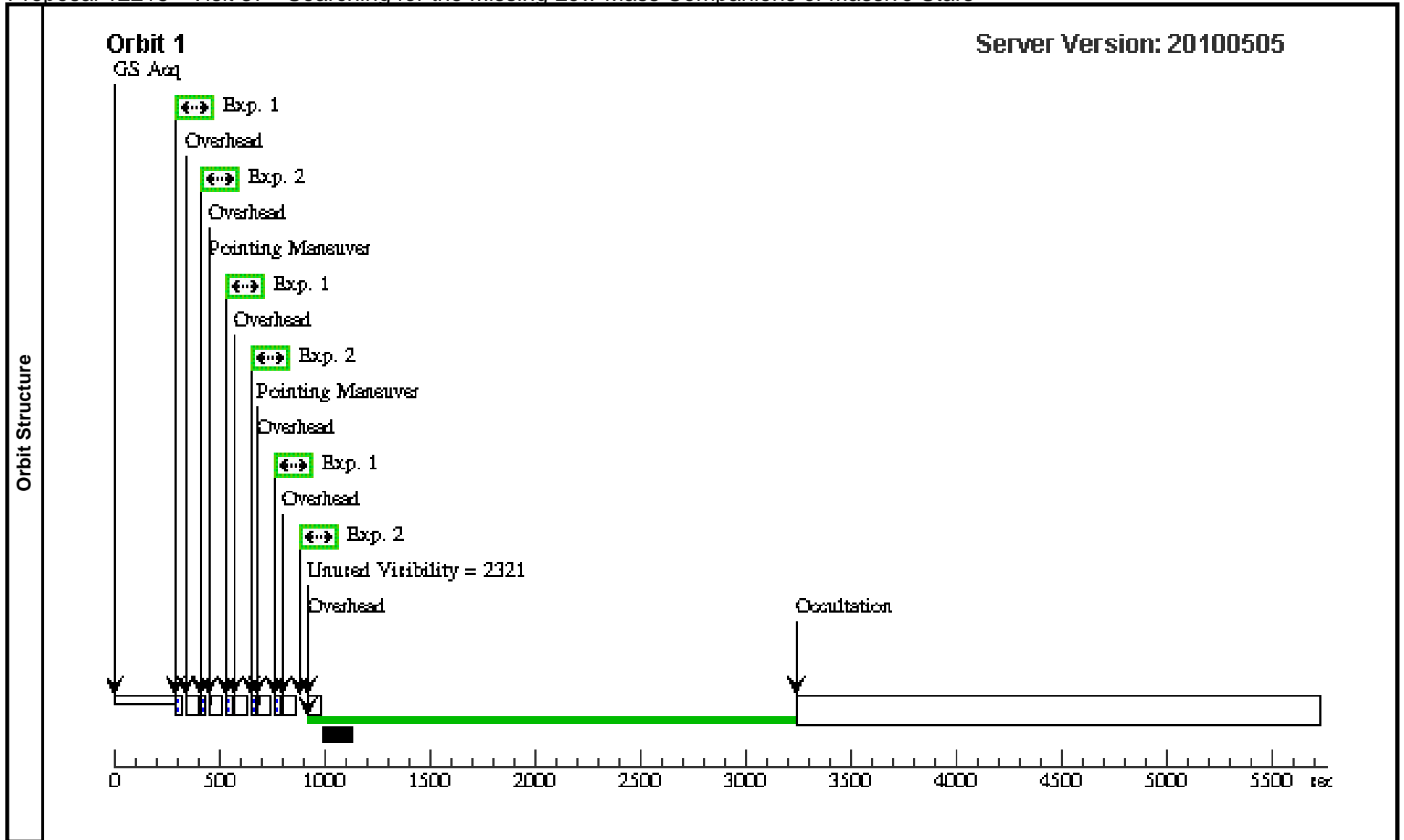
Visit	Proposal 12215, Visit 36 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(36)	V473-LYR	RA: 19 15 59.4900 (288.9978750d) Dec: +27 55 34.69 (27.92630d) Equinox: J2000		V=6.18	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(36) V473-LYR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	1.4 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
2		(36) V473-LYR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	3.6 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	



Proposal 12215 - Visit 36 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:17 GMT 2010

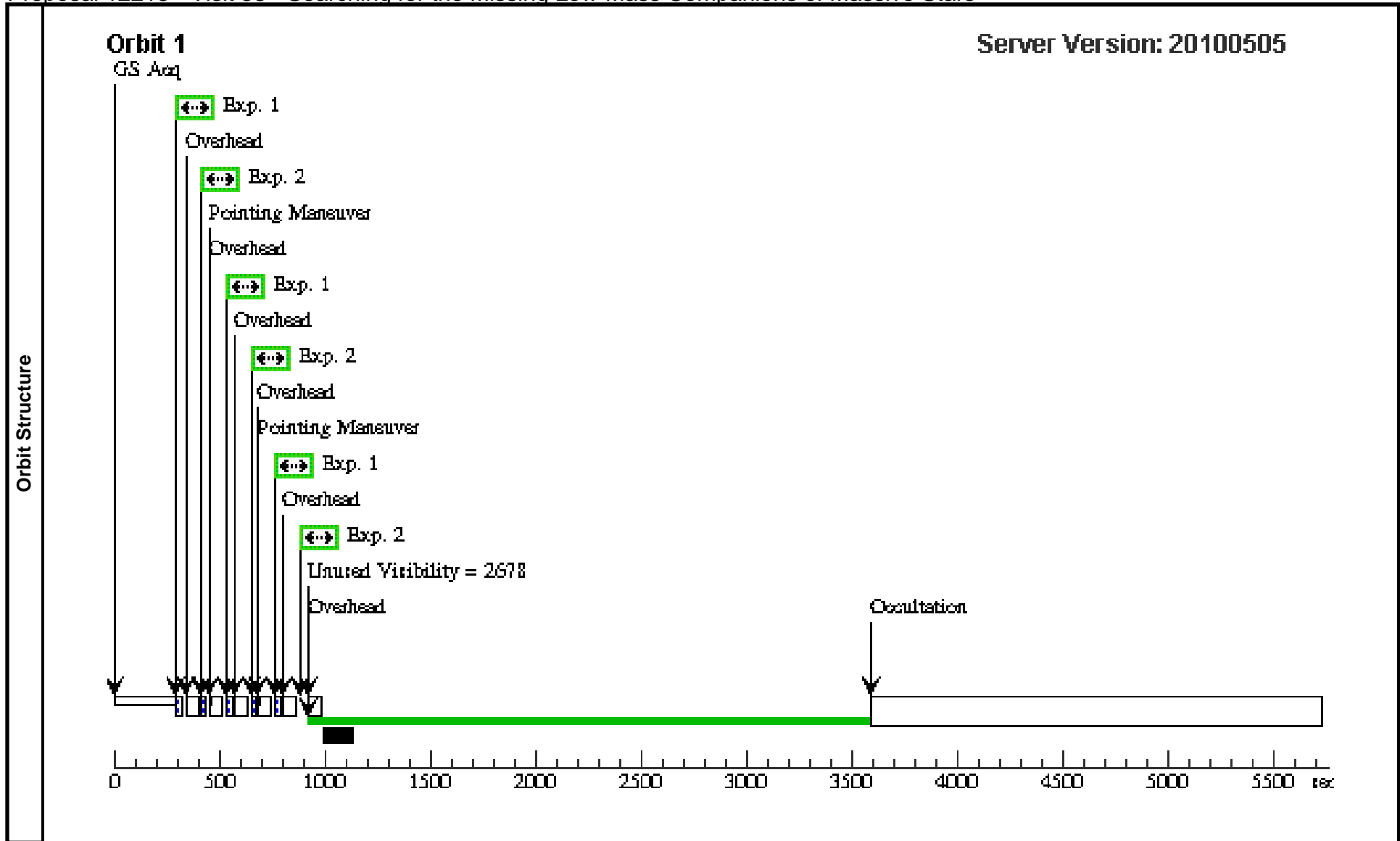
Visit	Proposal 12215, Visit 37 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(37)	T-MON	RA: 06 25 13.0010 (96.3041708d) Dec: +07 05 8.57 (7.08571d) Equinox: J2000		V=6.12	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(37) T-MON	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	1.3 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
2		(37) T-MON	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	3.4 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	



Proposal 12215 - Visit 37 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:17 GMT 2010

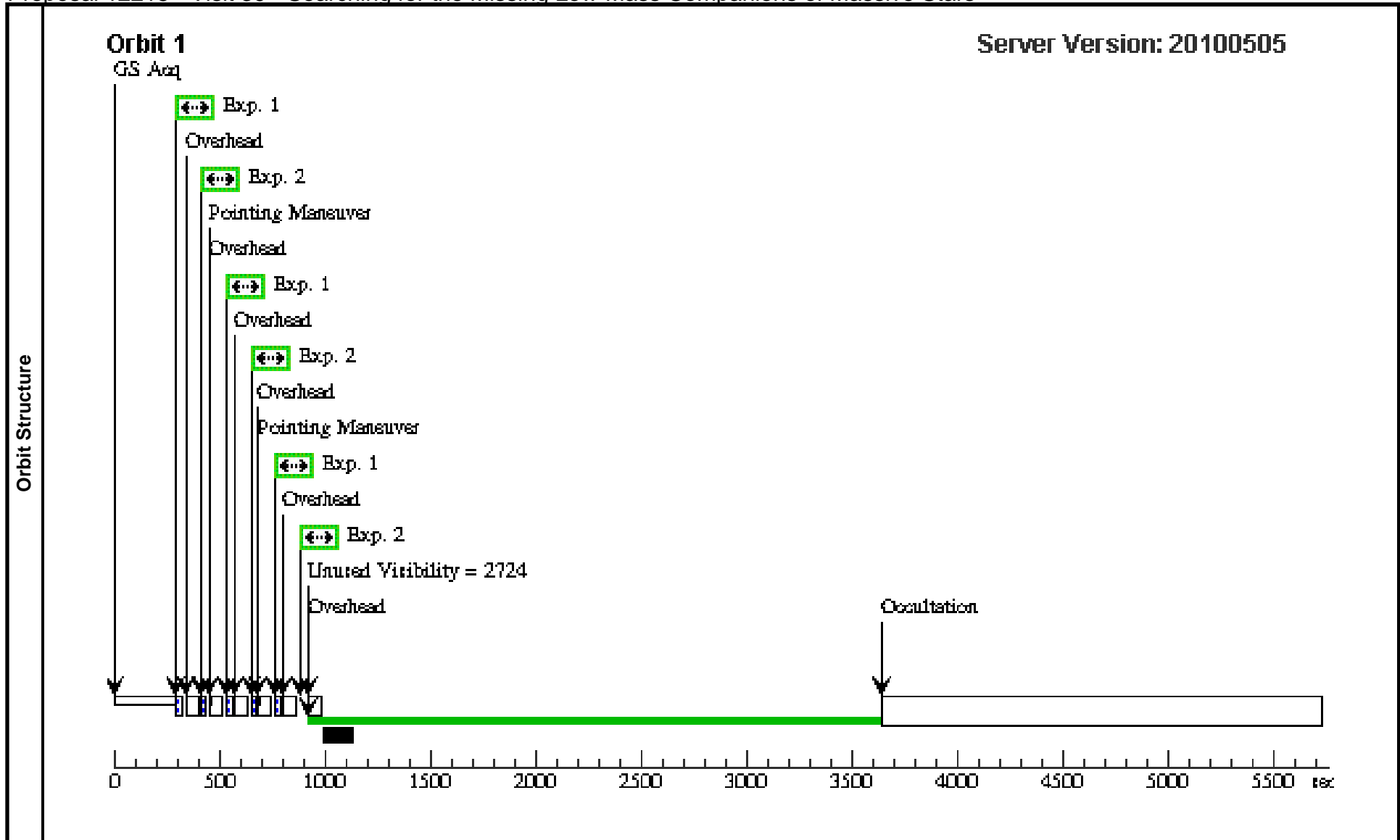
Visit	<b>Proposal 12215, Visit 38</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(38)	R-MUS	RA: 12 42 5.0270 (190.5209458d) Dec: -69 24 27.19 (-69.40755d) Equinox: J2000		V=6.29	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(38) R-MUS	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	1.6 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
2		(38) R-MUS	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	4.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	



Proposal 12215 - Visit 38 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:17 GMT 2010

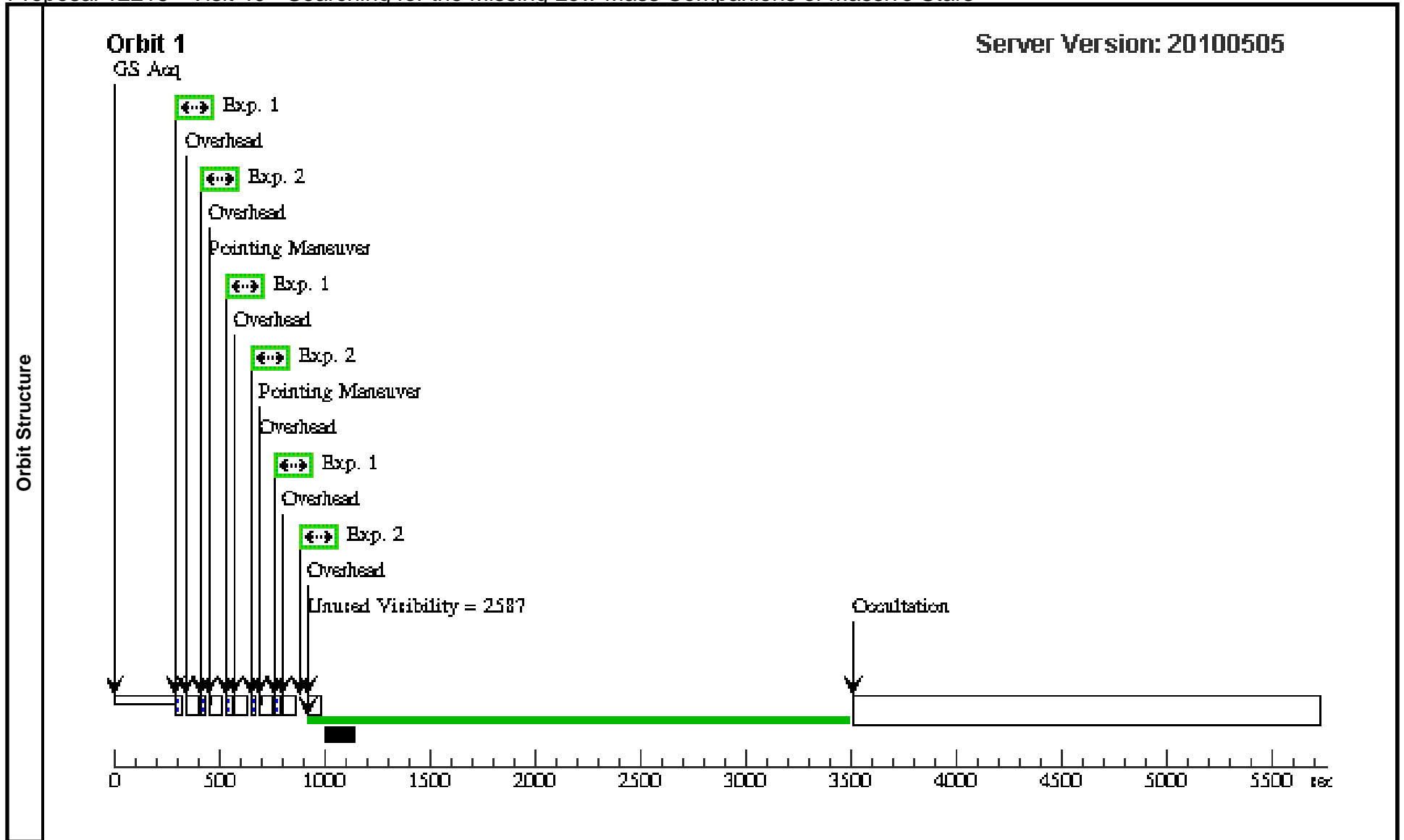
Visit	<b>Proposal 12215, Visit 39</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(39)	S-MUS	RA: 12 12 47.0190 (183.1959125d) Dec: -70 09 6.43 (-70.15179d) Equinox: J2000		V=6.11	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(39) S-MUS	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	1.3 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
2		(39) S-MUS	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	3.4 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	



Proposal 12215 - Visit 39 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:18 GMT 2010

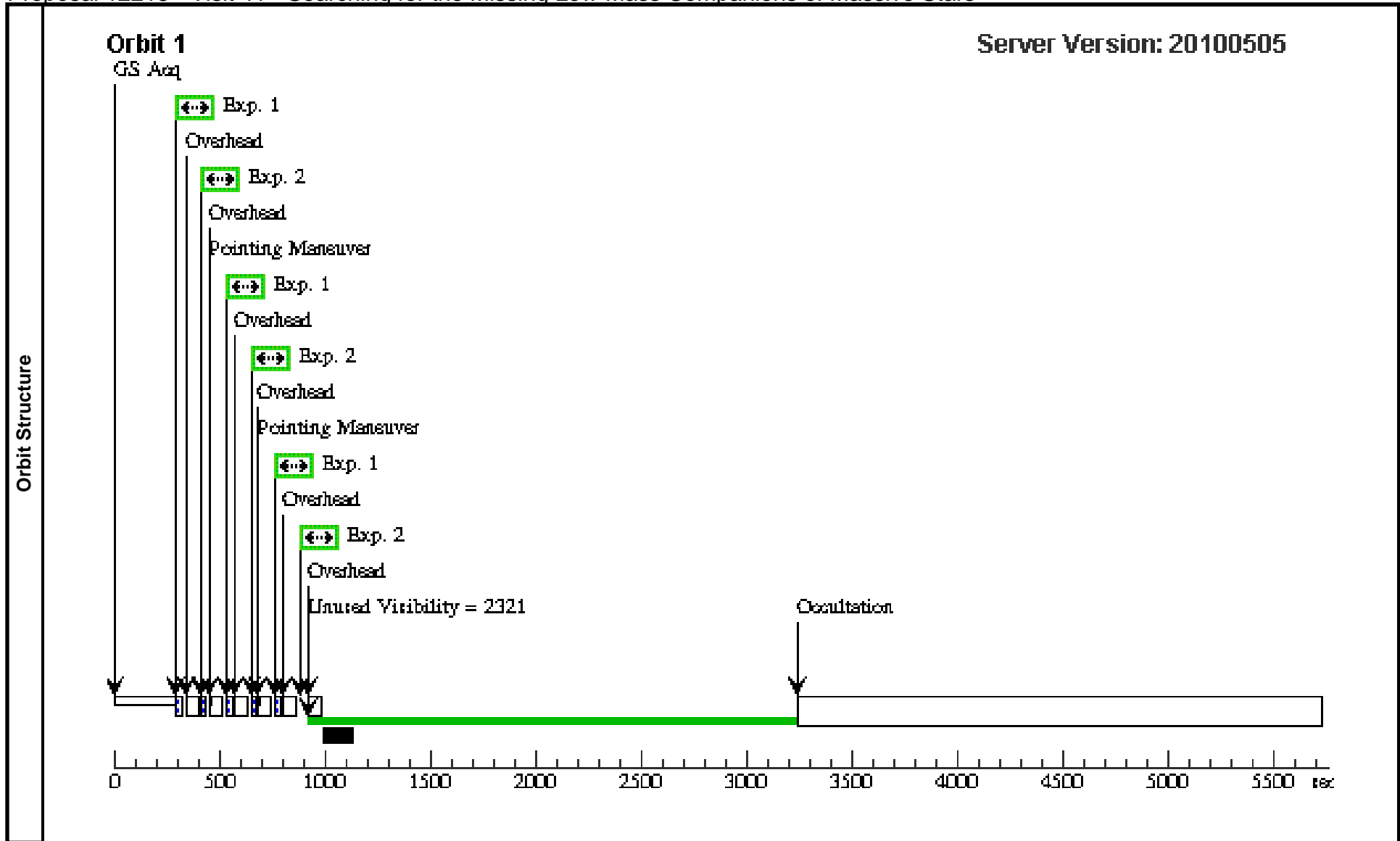
Visit	<b>Proposal 12215, Visit 40</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(40)	S-NOR	RA: 16 18 51.8325 (244.7159688d) Dec: -57 53 59.24 (-57.89979d) Equinox: J2000		V=6.39	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(40) S-NOR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	1.7 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
	2		(40) S-NOR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	4.3 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
									[==>(Pattern 3)]	



Proposal 12215 - Visit 40 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:18 GMT 2010

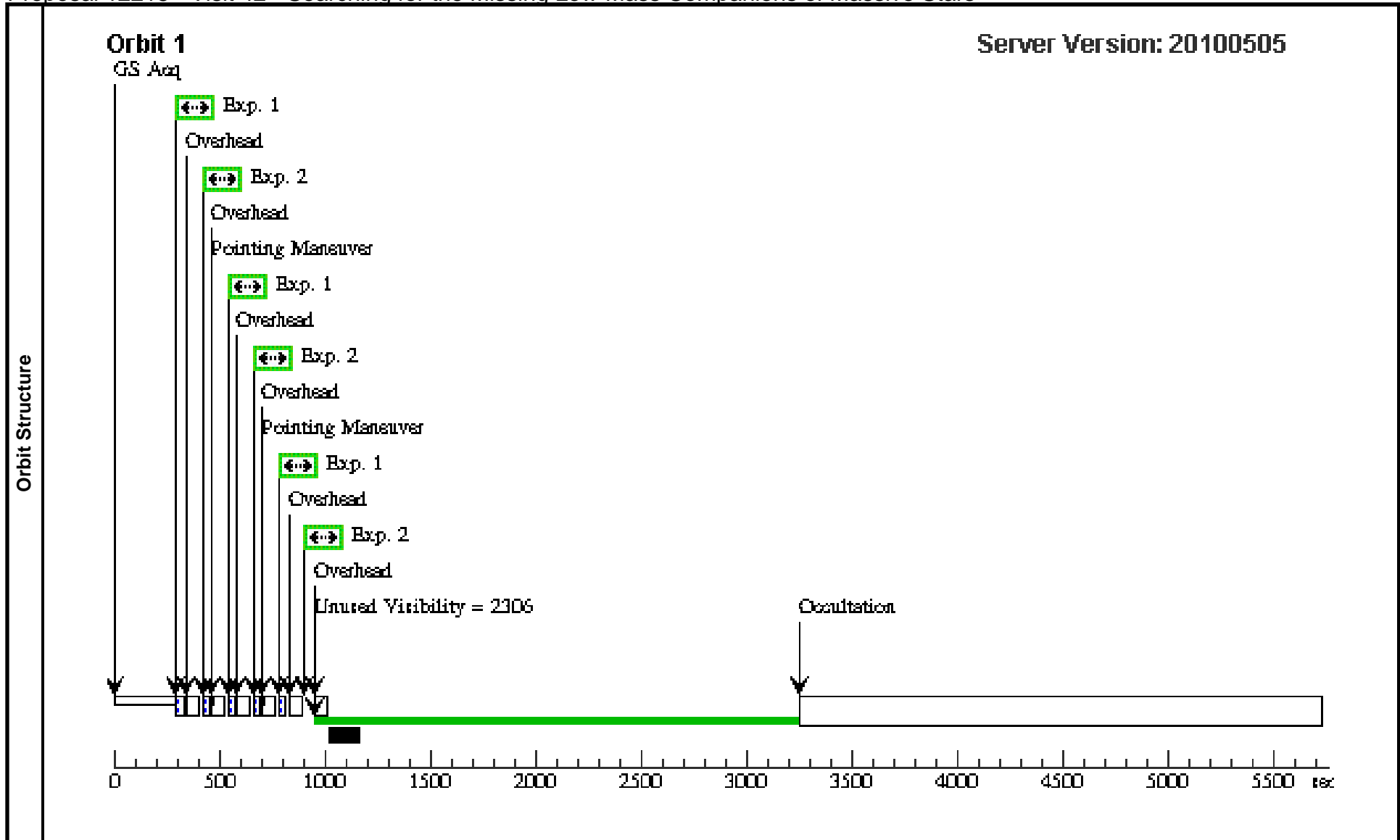
Visit	<b>Proposal 12215, Visit 41</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(41)	Y-OPH	RA: 17 52 38.7030 (268.1612625d) Dec: -06 08 36.88 (-6.14358d) Equinox: J2000		V=6.16	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(41) Y-OPH	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	1.4 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
	2		(41) Y-OPH	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	3.5 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
									[==>(Pattern 3)]	



Proposal 12215 - Visit 41 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:18 GMT 2010

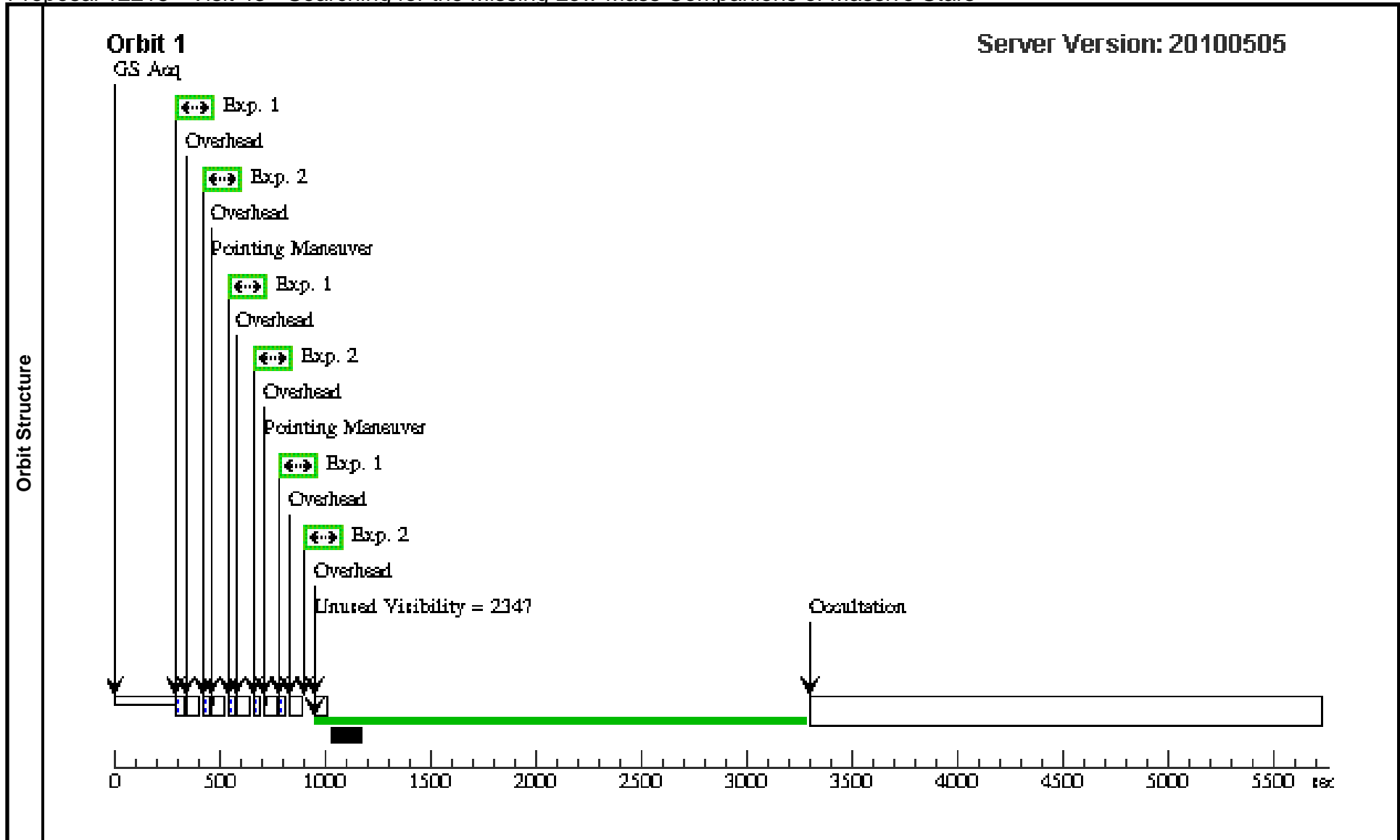
Visit	<b>Proposal 12215, Visit 42</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(42)	BF-OPH	RA: 17 06 5.4980 (256.5229083d) Dec: -26 34 50.03 (-26.58056d) Equinox: J2000		V=7.33	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(42) BF-OPH	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	4.1 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
	2		(42) BF-OPH	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	10.3 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
									[==>(Pattern 3)]	



Proposal 12215 - Visit 42 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:18 GMT 2010

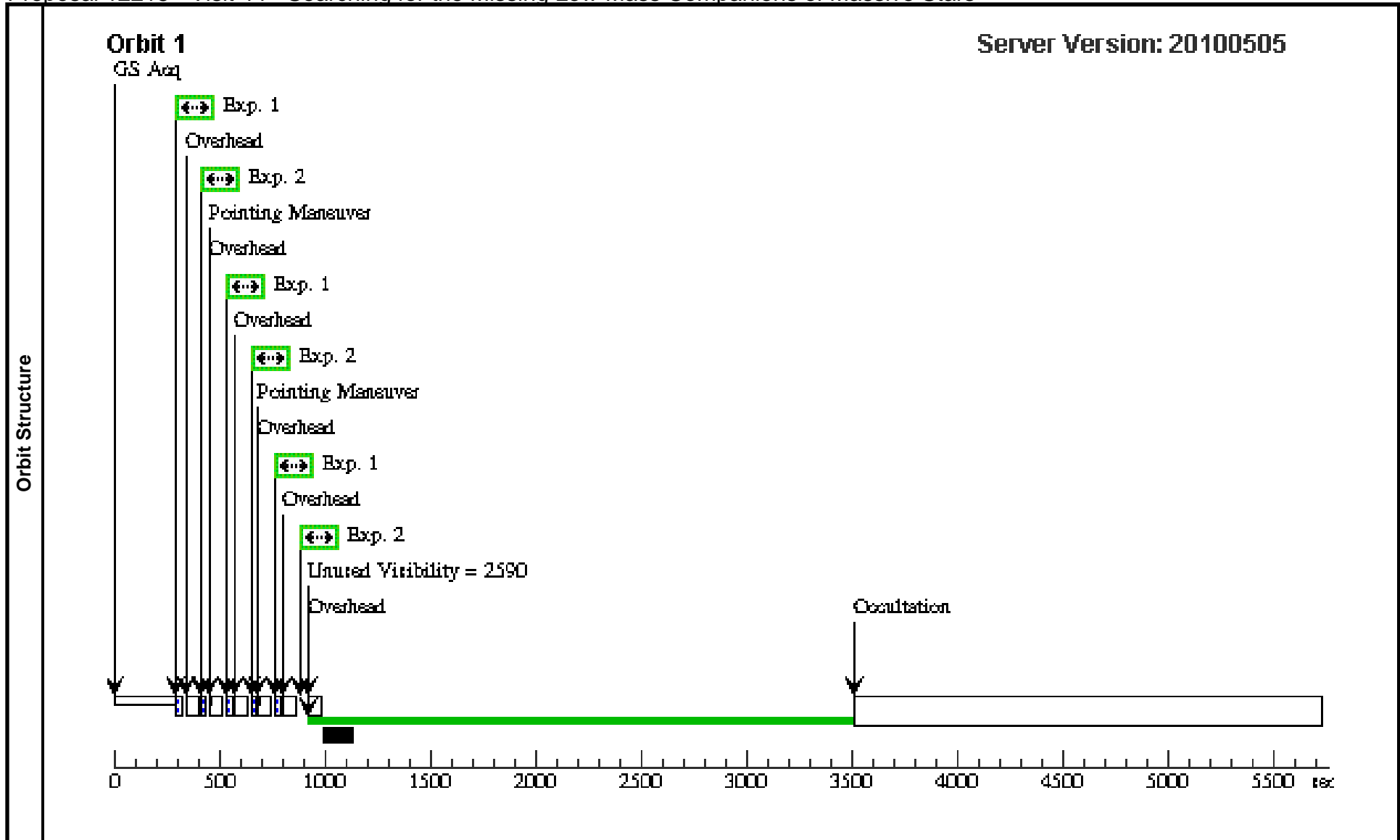
Visit	<b>Proposal 12215, Visit 43</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(43)	AW-PER	RA: 04 47 46.3160 (71.9429833d) Dec: +36 43 22.06 (36.72279d) Equinox: J2000		V=7.49	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(43) AW-PER	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	4.8 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
2		(43) AW-PER	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	11.9 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	



Proposal 12215 - Visit 43 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:19 GMT 2010

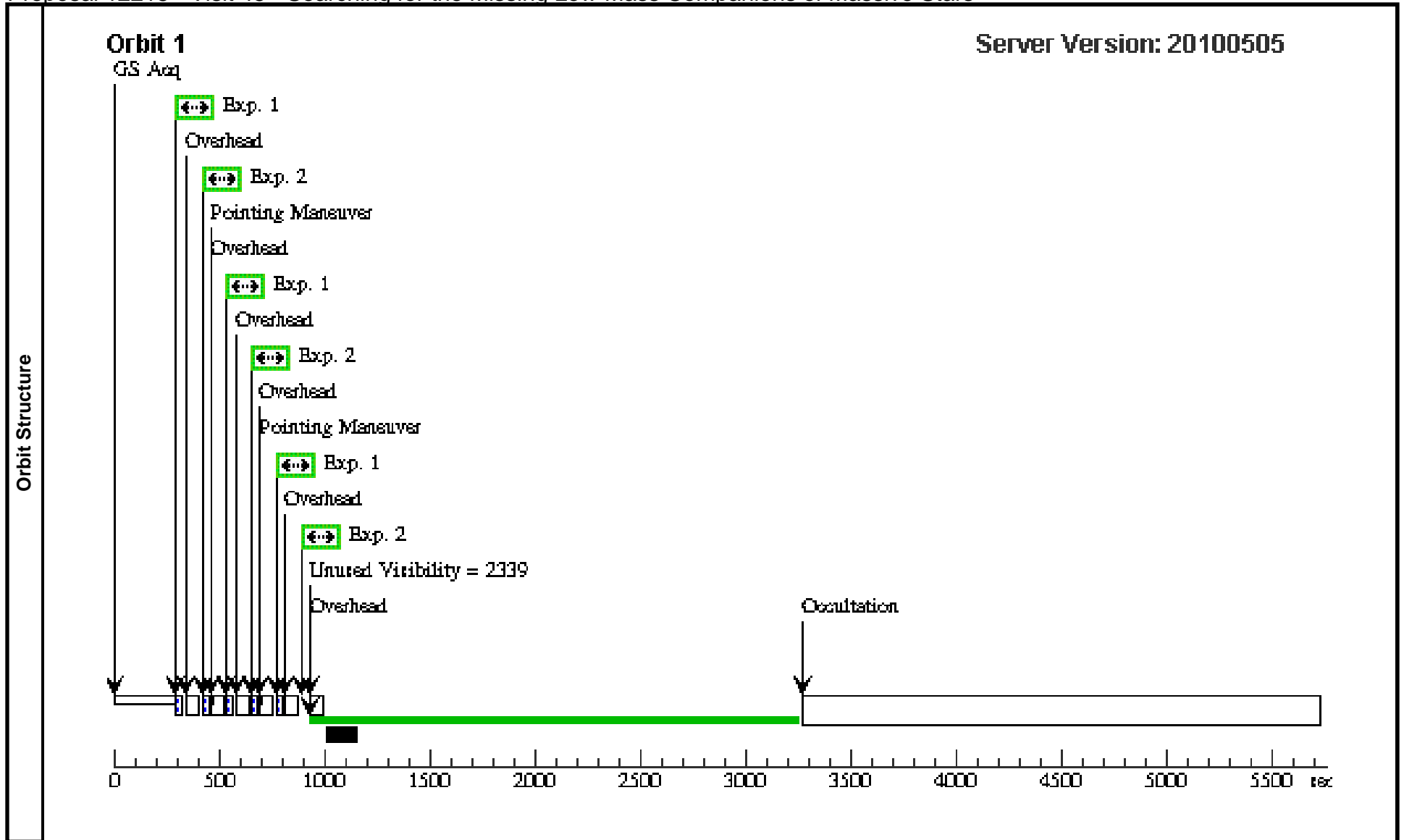
Visit	<b>Proposal 12215, Visit 44</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(44)	V440-PER	RA: 02 23 51.7450 (35.9656042d) Dec: +55 21 53.50 (55.36486d) Equinox: J2000		V=6.28	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(44) V440-PER	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	1.6 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
	2		(44) V440-PER	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	3.9 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
									[==>(Pattern 3)]	



Proposal 12215 - Visit 44 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:19 GMT 2010

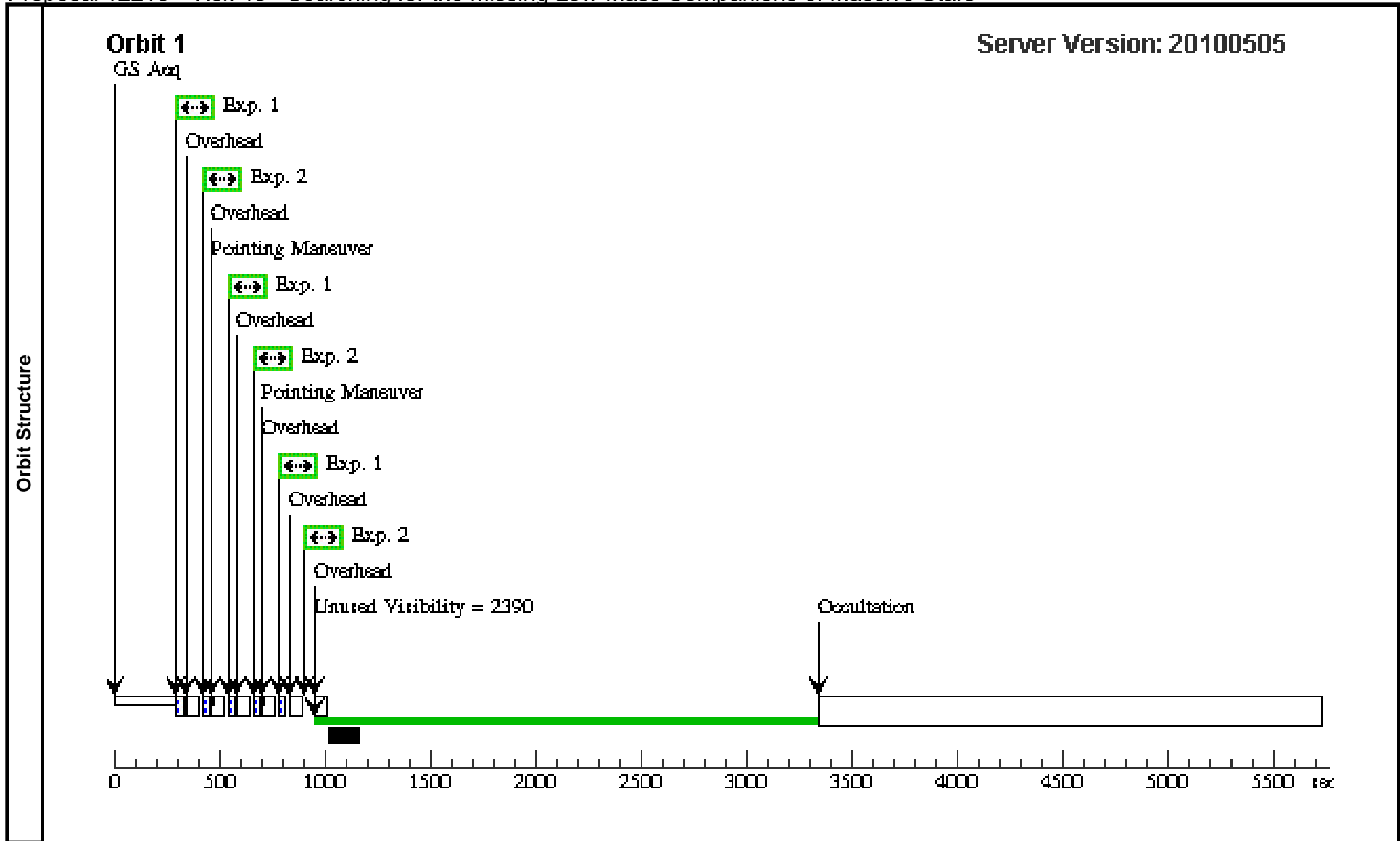
Visit	<b>Proposal 12215, Visit 45</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(45)	RS-PUP	RA: 08 13 4.2160 (123.2675667d) Dec: -34 34 42.70 (-34.57853d) Equinox: J2000		V=6.94	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(45) RS-PUP	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	2.9 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
2		(45) RS-PUP	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	7.2 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	



Proposal 12215 - Visit 45 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:19 GMT 2010

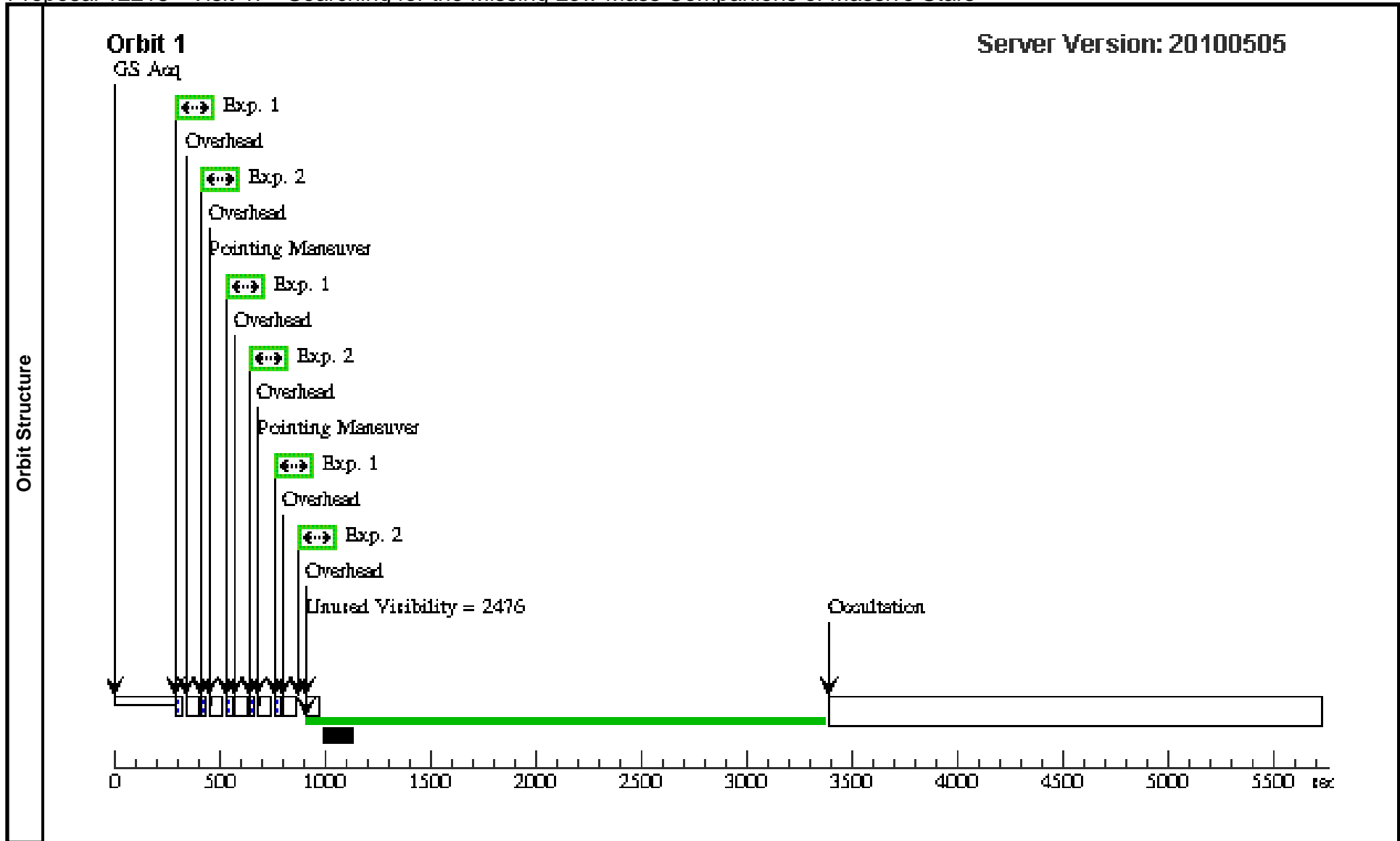
Visit	<b>Proposal 12215, Visit 46</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(46)	AP-PUP	RA: 07 57 45.6730 (119.4403042d) Dec: -40 07 24.09 (-40.12336d) Equinox: J2000		V=7.37	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(46) AP-PUP	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	4.3 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
	2		(46) AP-PUP	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	10.7 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
									[==>(Pattern 3)]	



Proposal 12215 - Visit 46 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:19 GMT 2010

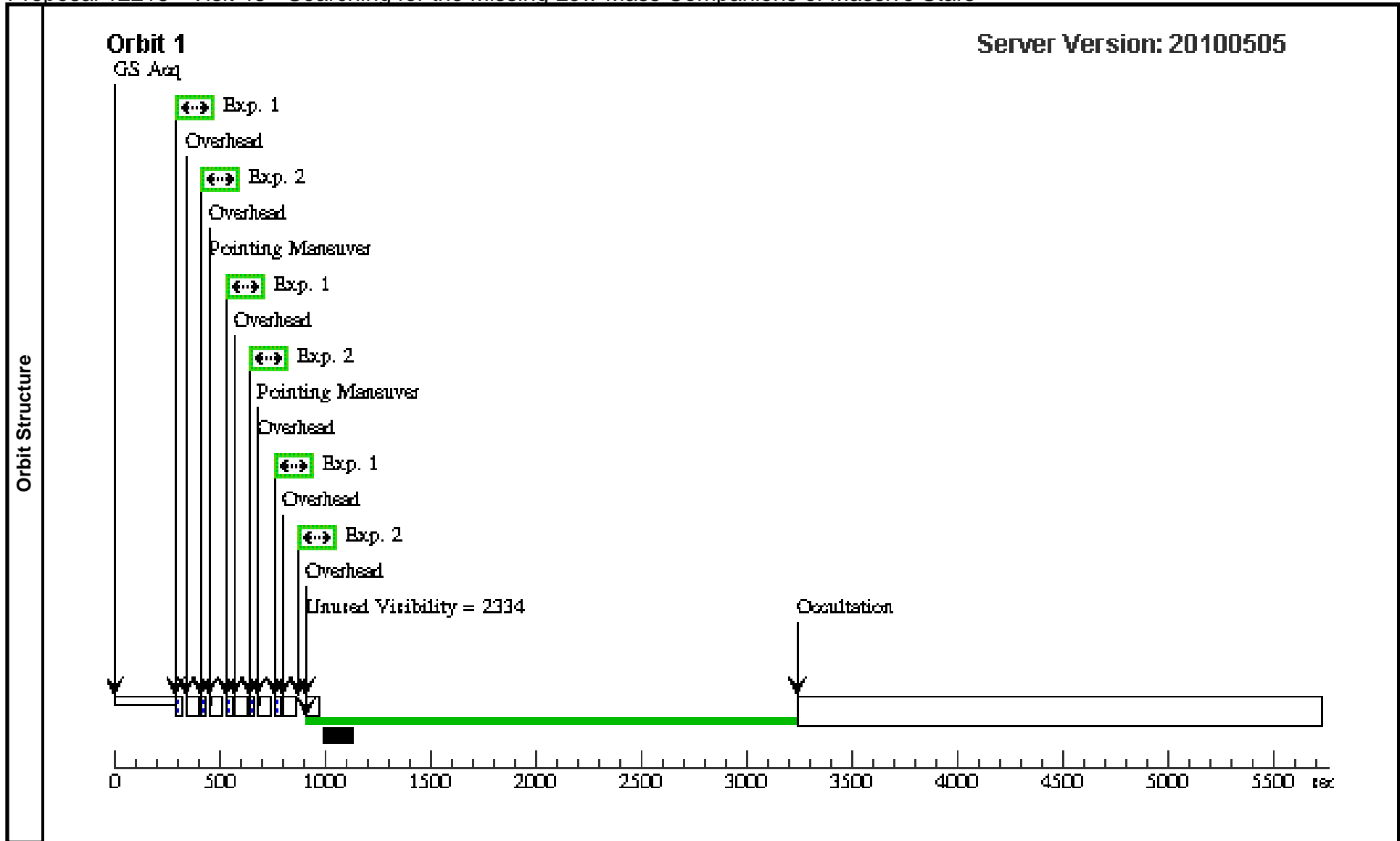
Visit	<b>Proposal 12215, Visit 47</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(47)	MY-PUP	RA: 07 38 18.2080 (114.5758667d) Dec: -48 36 5.17 (-48.60144d) Equinox: J2000		V=5.67	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(47) MY-PUP	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	0.9 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
	2		(47) MY-PUP	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	2.2 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
									[==>(Pattern 3)]	



Proposal 12215 - Visit 47 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:20 GMT 2010

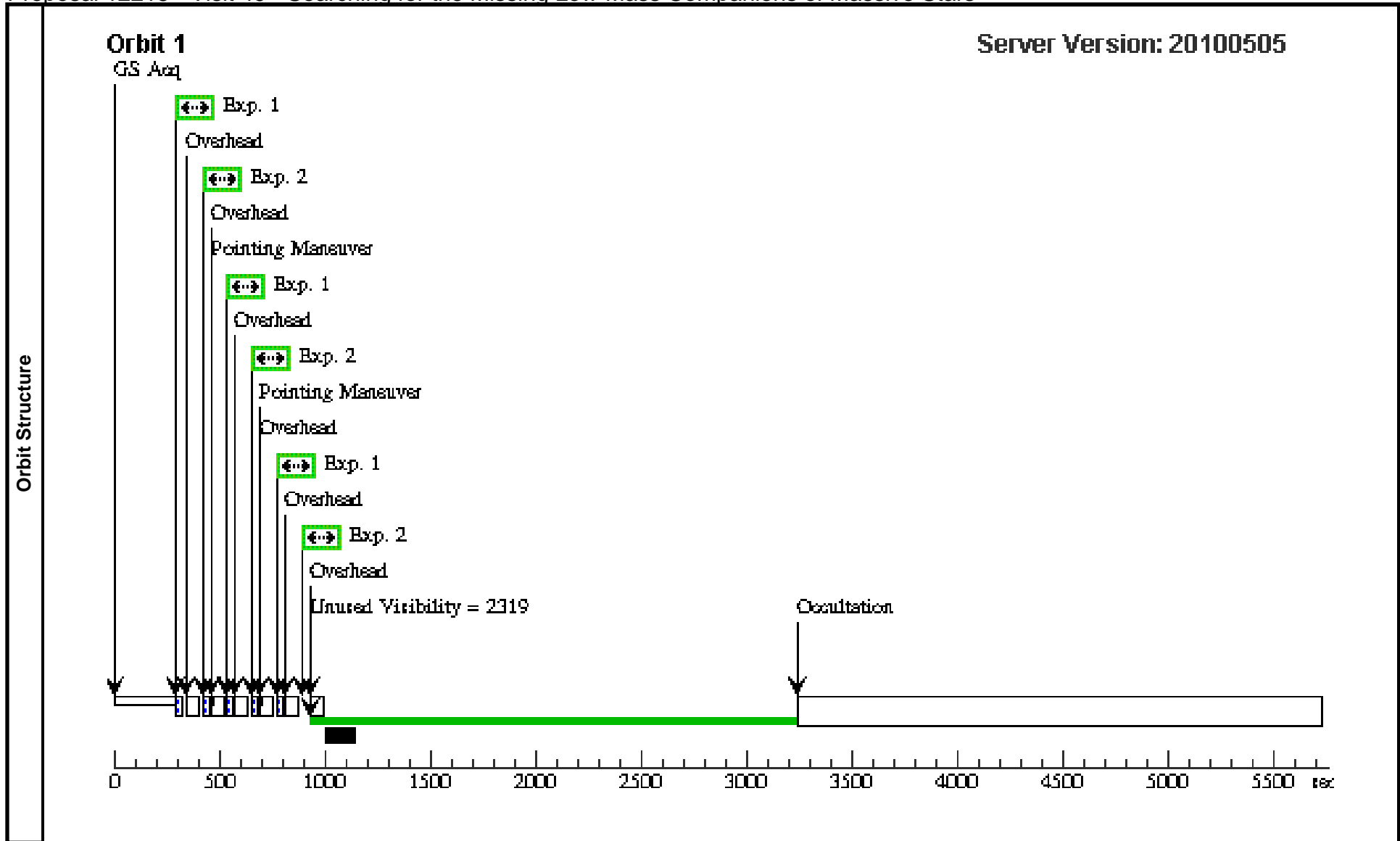
Visit	<b>Proposal 12215, Visit 48</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(48)	S-SGE	RA: 19 56 1.2640 (299.0052667d) Dec: +16 38 5.28 (16.63480d) Equinox: J2000		V=5.62	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(48) S-SGE	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	0.8 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
2		(48) S-SGE	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	2.1 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	



Proposal 12215 - Visit 48 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:20 GMT 2010

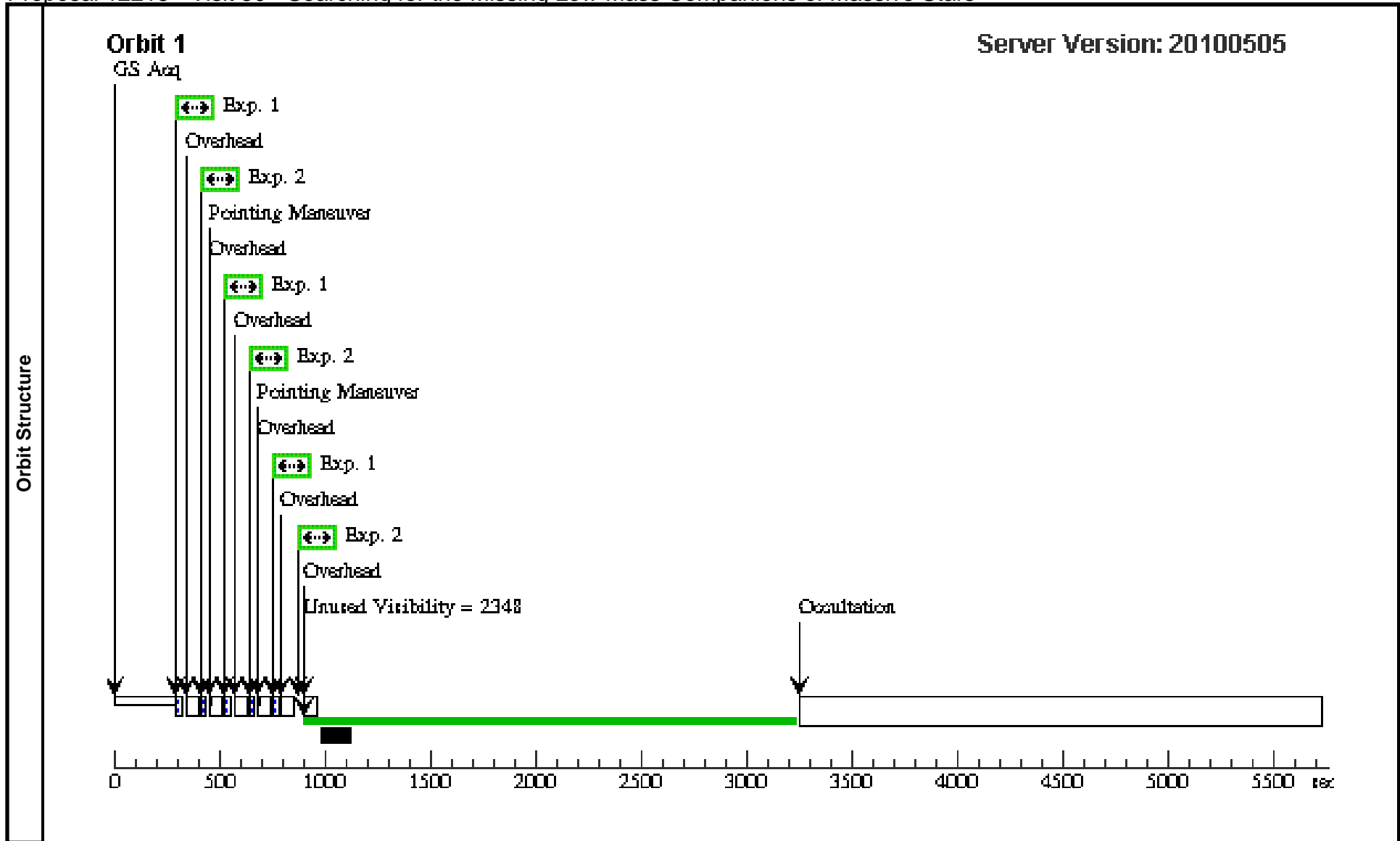
Visit	<b>Proposal 12215, Visit 49</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(49)	U-SGR	RA: 18 31 53.3310 (277.9722125d) Dec: -19 07 30.26 (-19.12507d) Equinox: J2000		V=6.69	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(49) U-SGR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	2.3 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
	2		(49) U-SGR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	5.7 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
									[==>(Pattern 3)]	



Proposal 12215 - Visit 49 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:20 GMT 2010

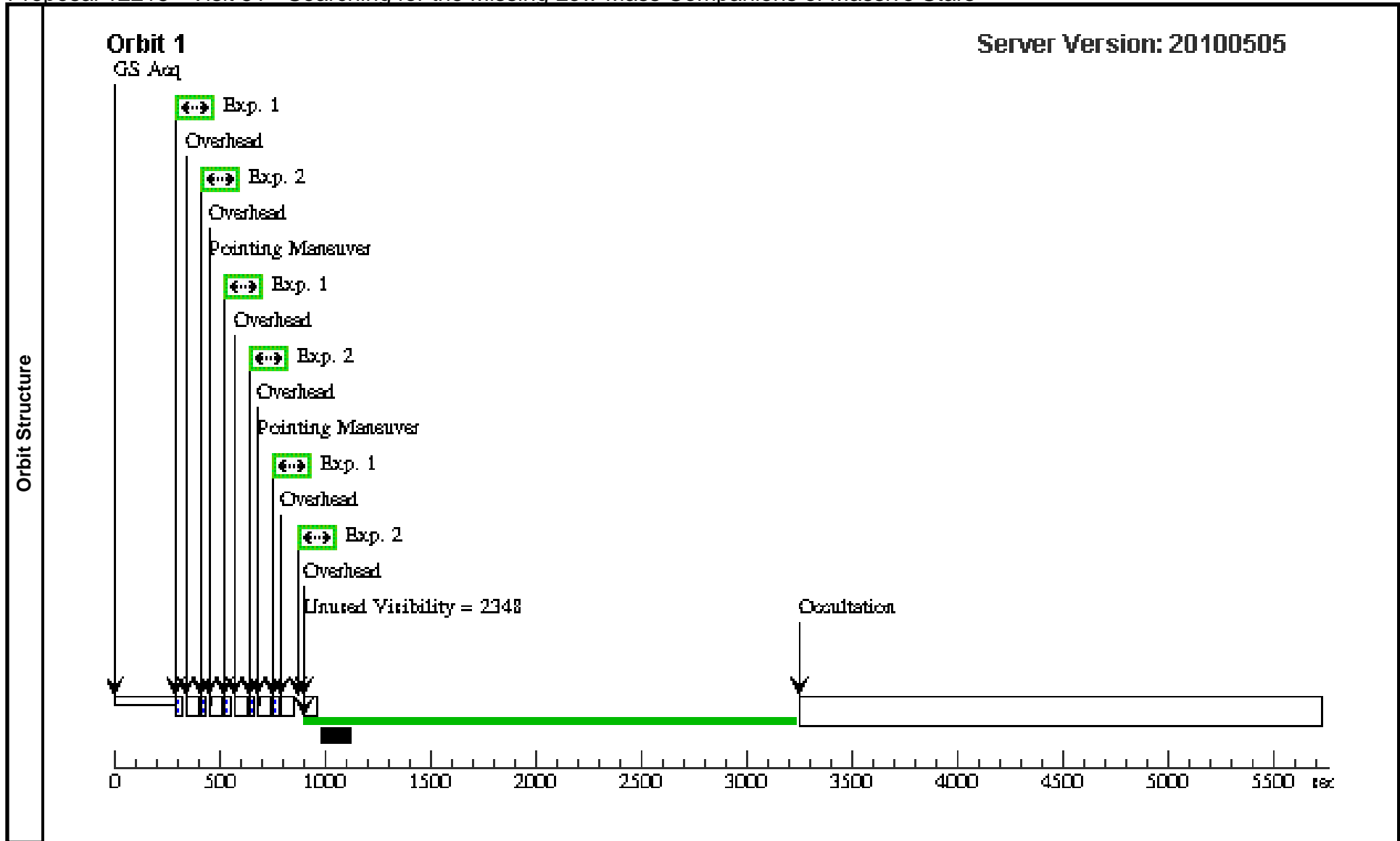
Visit	<b>Proposal 12215, Visit 50</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(50)	W-SGR	RA: 18 05 1.2250 (271.2551042d) Dec: -29 34 48.31 (-29.58009d) Equinox: J2000		V=4.66	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(50) W-SGR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	0.5 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
	2		(50) W-SGR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	0.9 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
									[==>(Pattern 3)]	



Proposal 12215 - Visit 50 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:20 GMT 2010

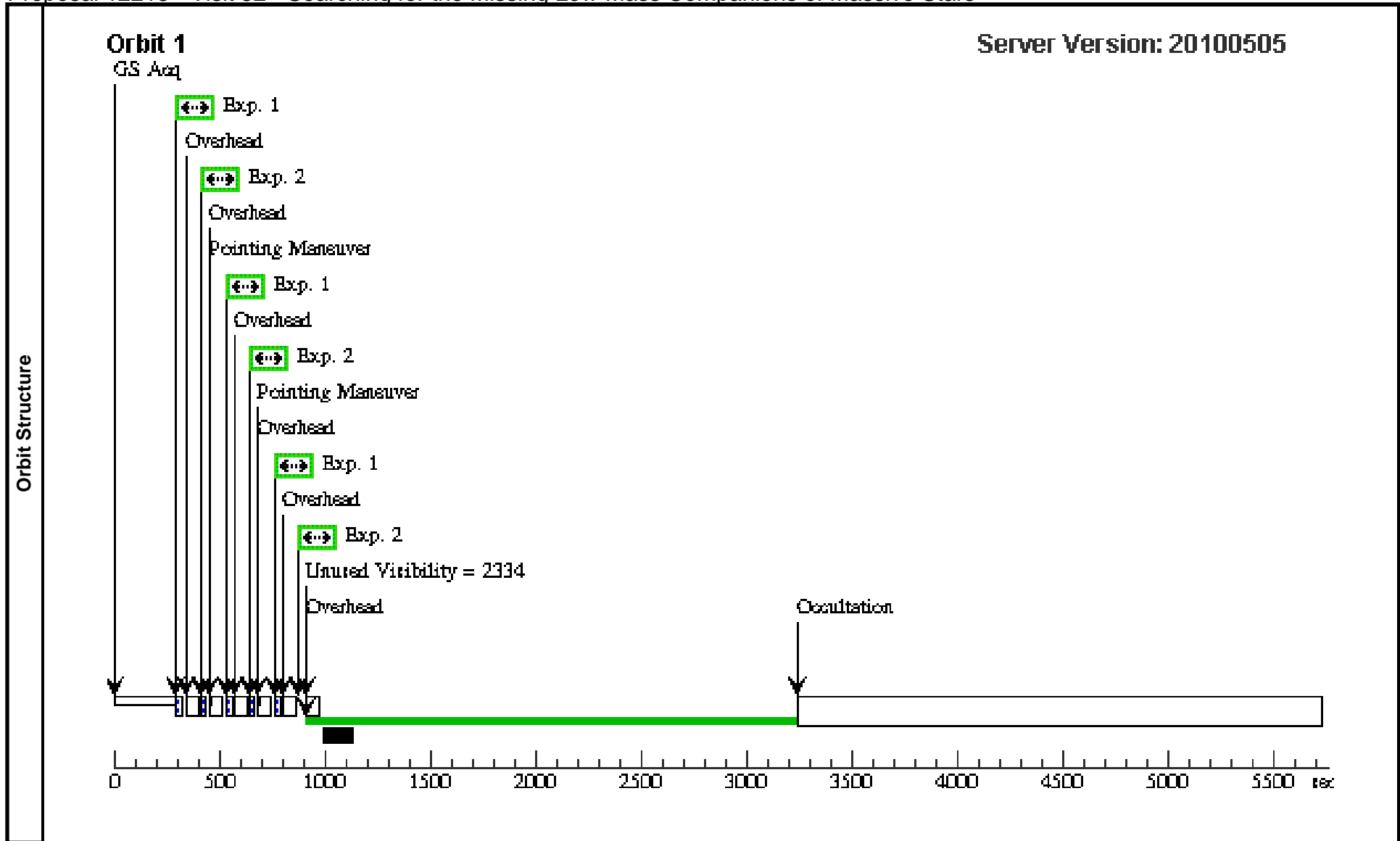
Visit	<b>Proposal 12215, Visit 51</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(51)	X-SGR	RA: 17 47 33.6250 (266.8901042d) Dec: -27 49 50.84 (-27.83079d) Equinox: J2000		V=4.54	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(51) X-SGR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	0.5 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
2		(51) X-SGR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	0.8 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	



Proposal 12215 - Visit 51 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:20 GMT 2010

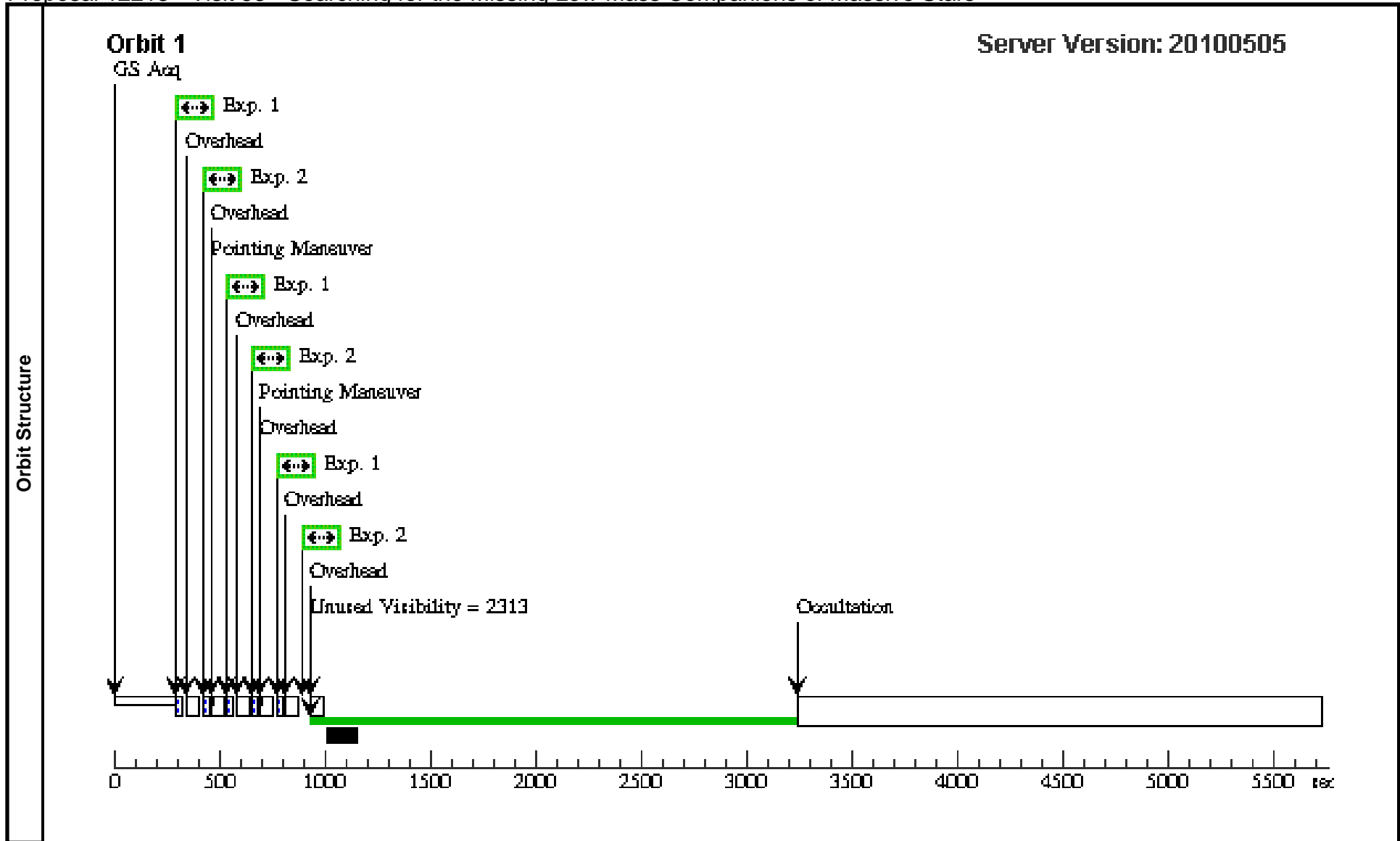
Visit	<b>Proposal 12215, Visit 52</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(52)	Y-SGR	RA: 18 21 22.9870 (275.3457792d) Dec: -18 51 36.00 (-18.86000d) Equinox: J2000		V=5.74	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(52) Y-SGR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	0.9 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
2		(52) Y-SGR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	2.4 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	



Proposal 12215 - Visit 52 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:21 GMT 2010

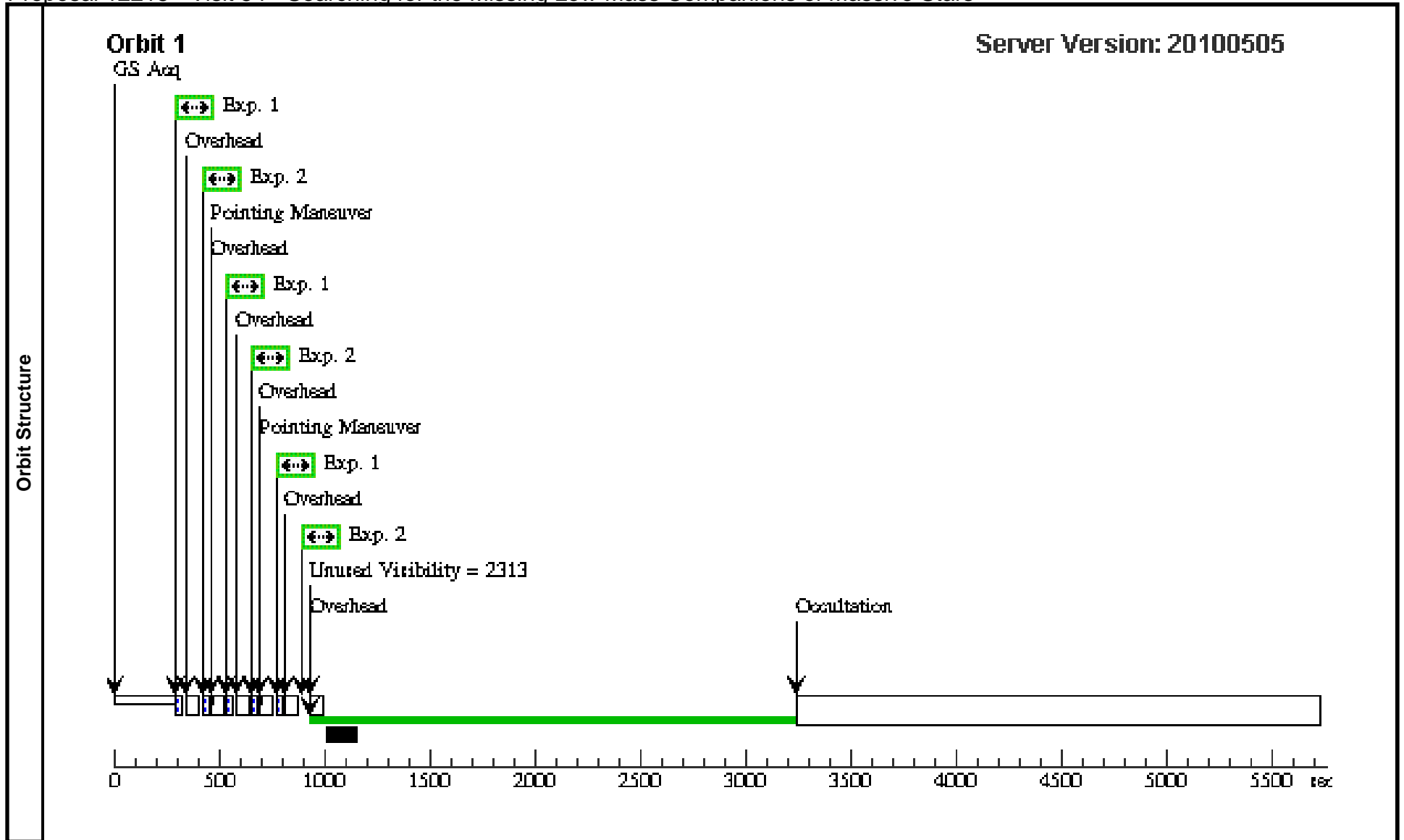
Visit	<b>Proposal 12215, Visit 53</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(53)	AP-SGR	RA: 18 13 2.4960 (273.2604000d) Dec: -23 07 2.21 (-23.11728d) Equinox: J2000		V=6.95	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(53) AP-SGR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	2.9 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
2		(53) AP-SGR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	7.3 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	



Proposal 12215 - Visit 53 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:21 GMT 2010

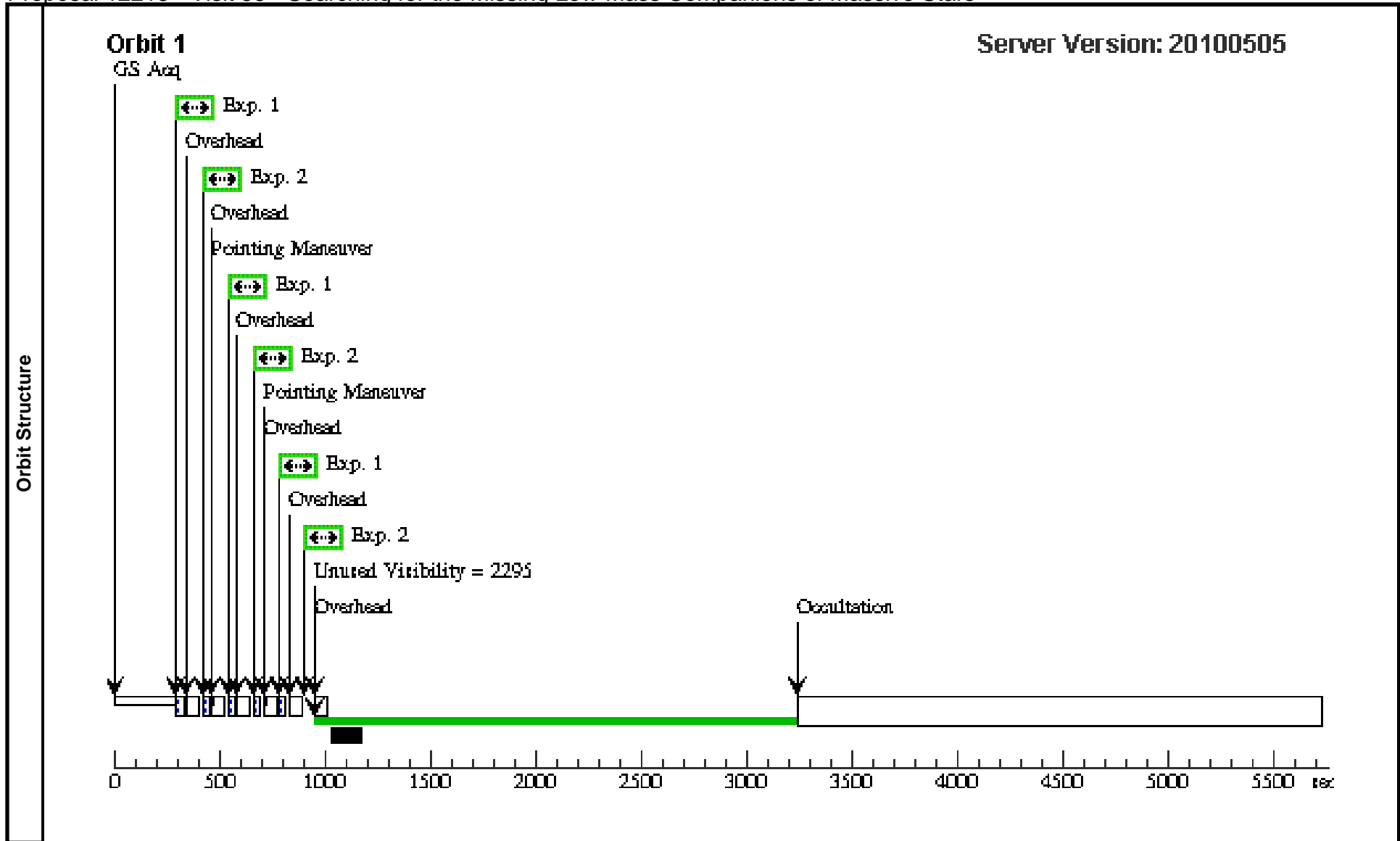
Visit	<b>Proposal 12215, Visit 54</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(54)	BB-SGR	RA: 18 50 59.8720 (282.7494667d) Dec: -20 17 42.83 (-20.29523d) Equinox: J2000		V=6.94	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(54) BB-SGR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	2.9 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
	2		(54) BB-SGR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	7.2 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
									[==>(Pattern 3)]	



Proposal 12215 - Visit 54 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:21 GMT 2010

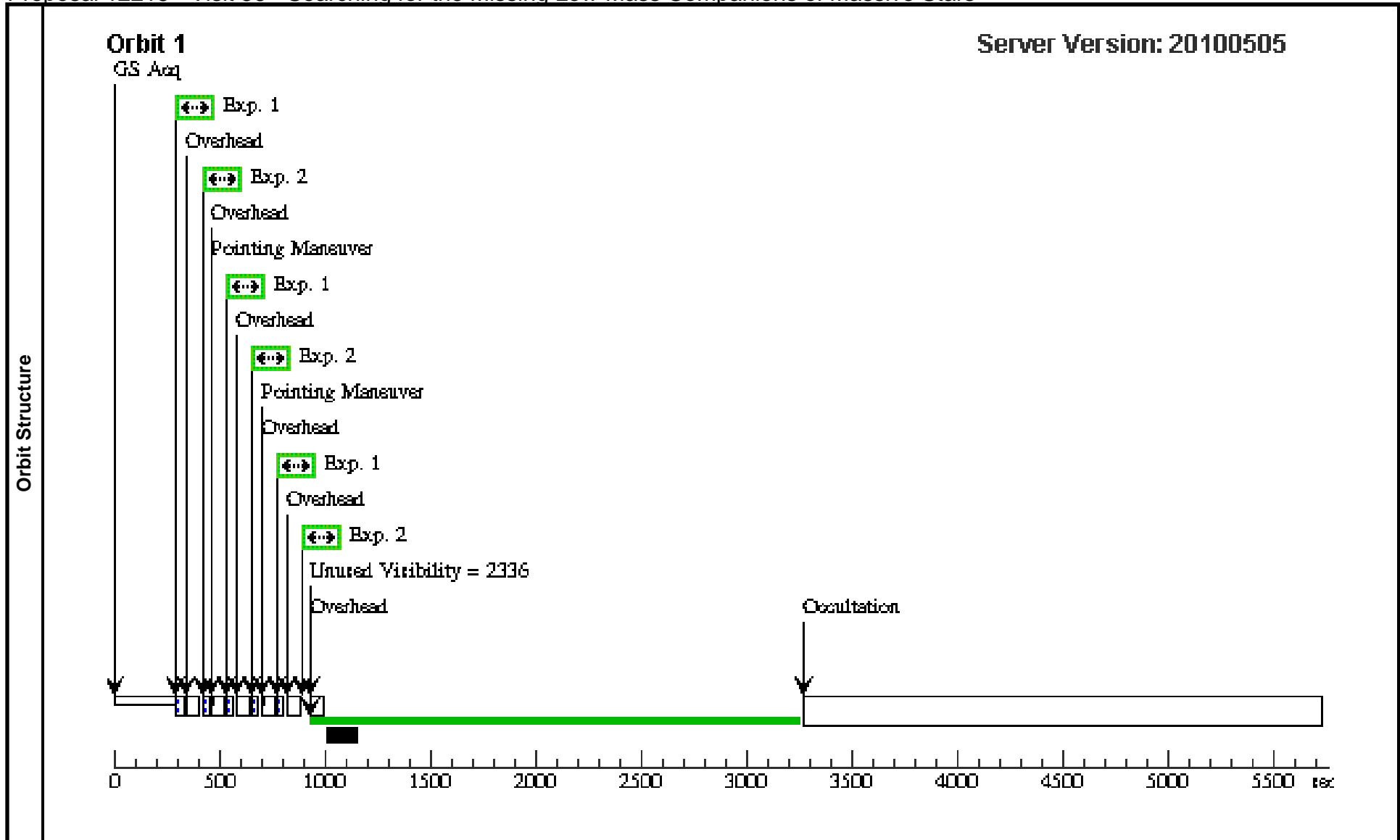
Visit	Proposal 12215, Visit 55 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(55)	V350-SGR	RA: 18 45 17.4970 (281.3229042d) Dec: -20 38 50.55 (-20.64738d) Equinox: J2000		V=7.48	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(55) V350-SGR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	4.7 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
2		(55) V350-SGR	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	11.8 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	



Proposal 12215 - Visit 55 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:21 GMT 2010

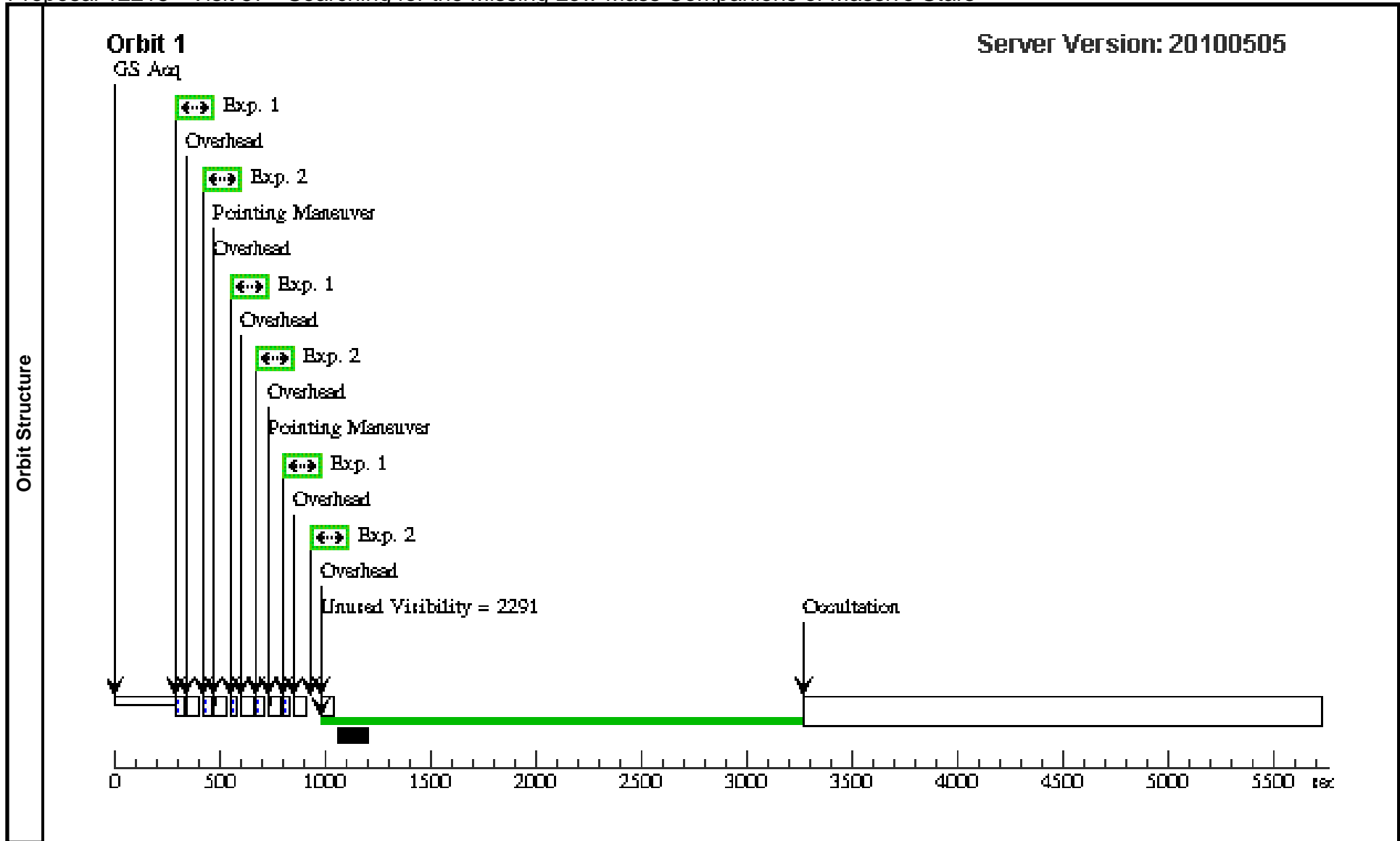
Visit	<b>Proposal 12215, Visit 56</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(56)	RV-SCO	RA: 16 58 19.7490 (254.5822875d) Dec: -33 36 32.79 (-33.60911d) Equinox: J2000		V=7.04	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(56) RV-SCO	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	3.1 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
2		(56) RV-SCO	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	7.9 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	



Proposal 12215 - Visit 56 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:22 GMT 2010

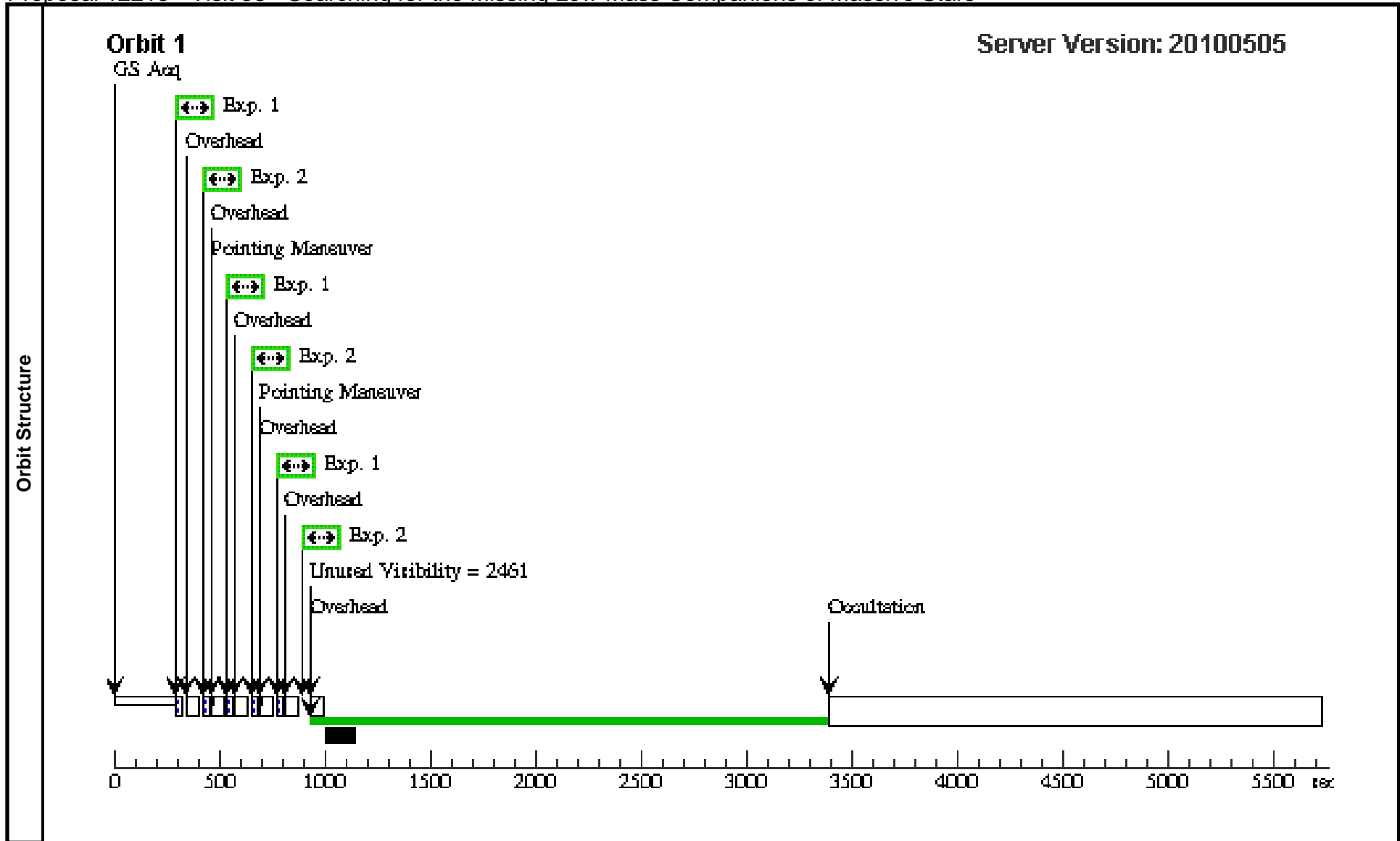
Visit	<b>Proposal 12215, Visit 57</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(57)	V482-SCO	RA: 17 30 48.3800 (262.7015833d) Dec: -33 36 35.65 (-33.60990d) Equinox: J2000		V=7.96	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(57) V482-SCO	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	7.3 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
2		(57) V482-SCO	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	18.4 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	



Proposal 12215 - Visit 57 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:22 GMT 2010

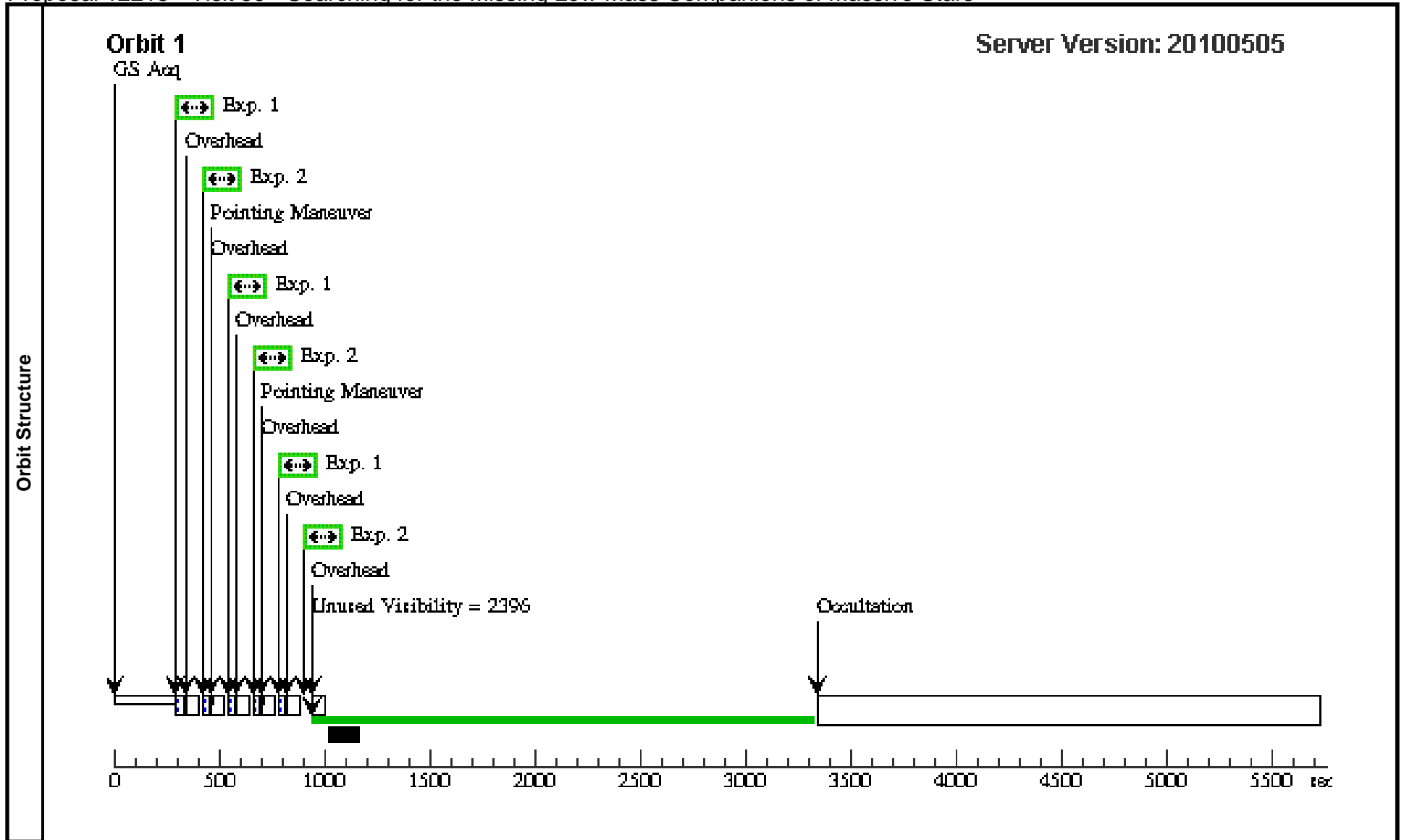
Visit	<b>Proposal 12215, Visit 58</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(58)	V636-SCO	RA: 17 22 46.4780 (260.6936583d) Dec: -45 36 51.39 (-45.61428d) Equinox: J2000		V=6.65	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(58) V636-SCO	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	2.2 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
	2		(58) V636-SCO	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	5.5 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
									[==>(Pattern 3)]	



Proposal 12215 - Visit 58 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:22 GMT 2010

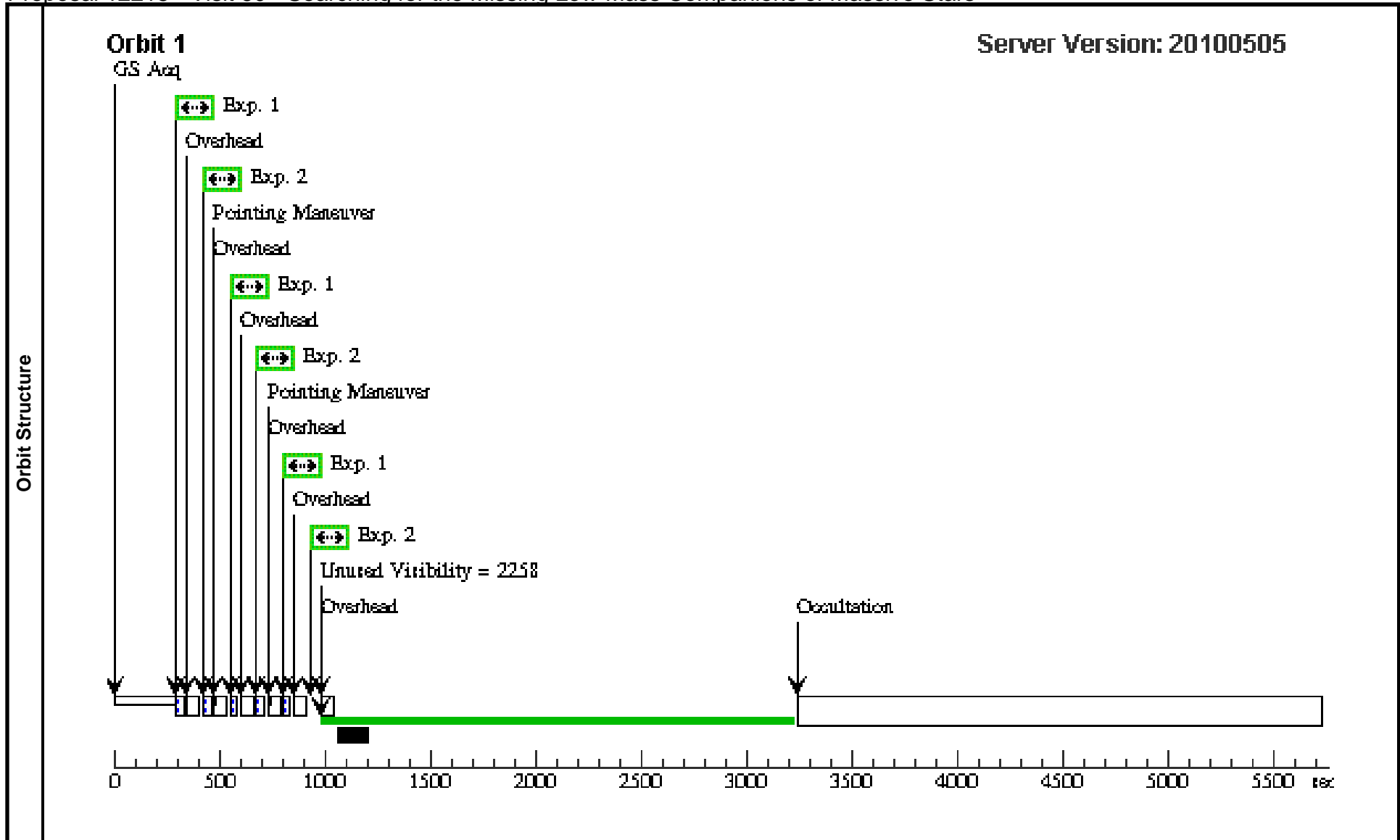
Visit	Proposal 12215, Visit 59 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(59)	V950-SCO	RA: 17 37 37.5620 (264.4065083d) Dec: -40 48 48.74 (-40.81354d) Equinox: J2000		V=7.3	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(59) V950-SCO	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	4.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
2		(59) V950-SCO	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	10.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	



Proposal 12215 - Visit 59 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:22 GMT 2010

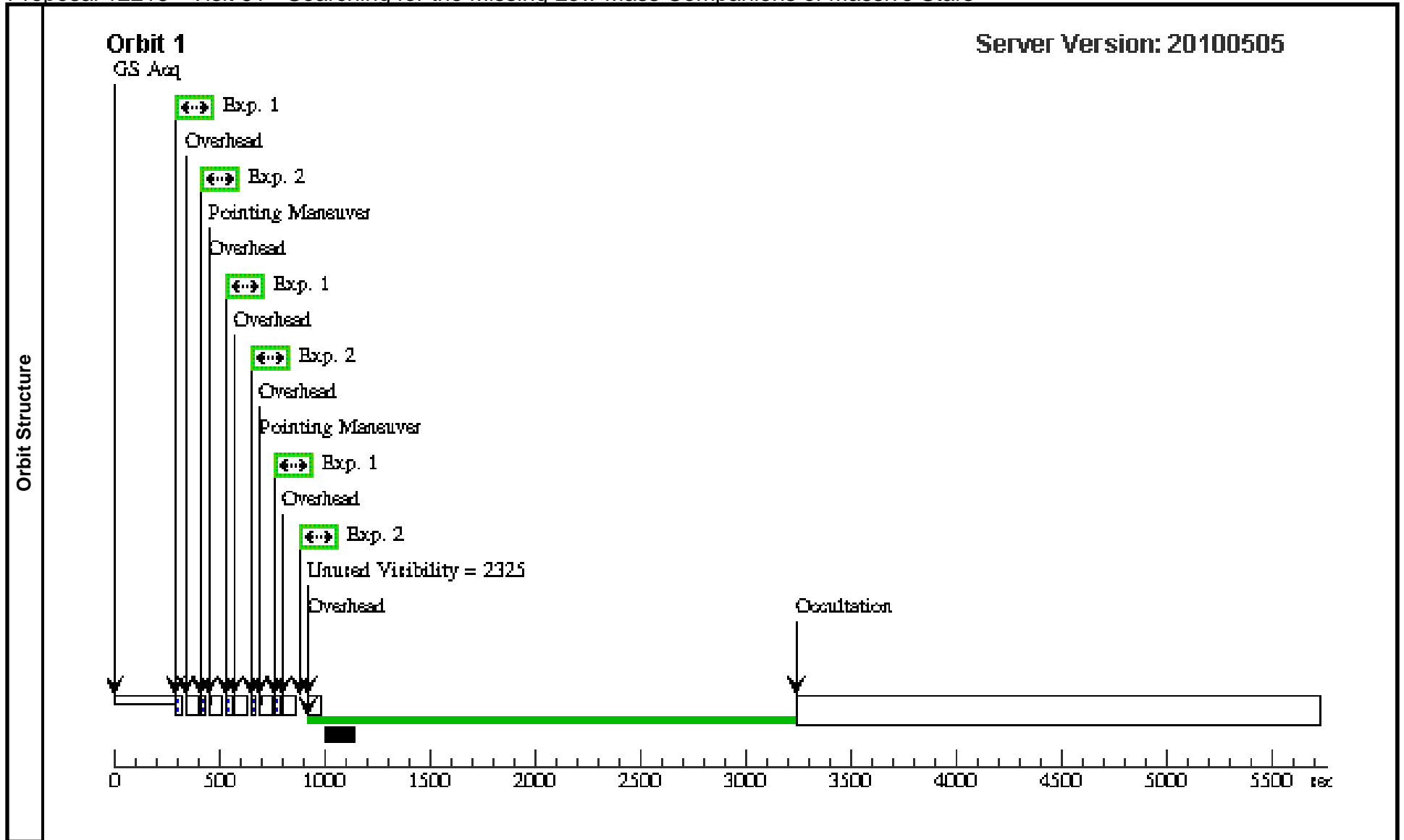
Visit	Proposal 12215, Visit 60 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(60)	EW-SCT	RA: 18 37 51.1090 (279.4629542d) Dec: -06 47 48.50 (-6.79681d) Equinox: J2000		V=7.97	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(60) EW-SCT	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	7.4 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
2		(60) EW-SCT	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	18.6 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	



Proposal 12215 - Visit 60 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:23 GMT 2010

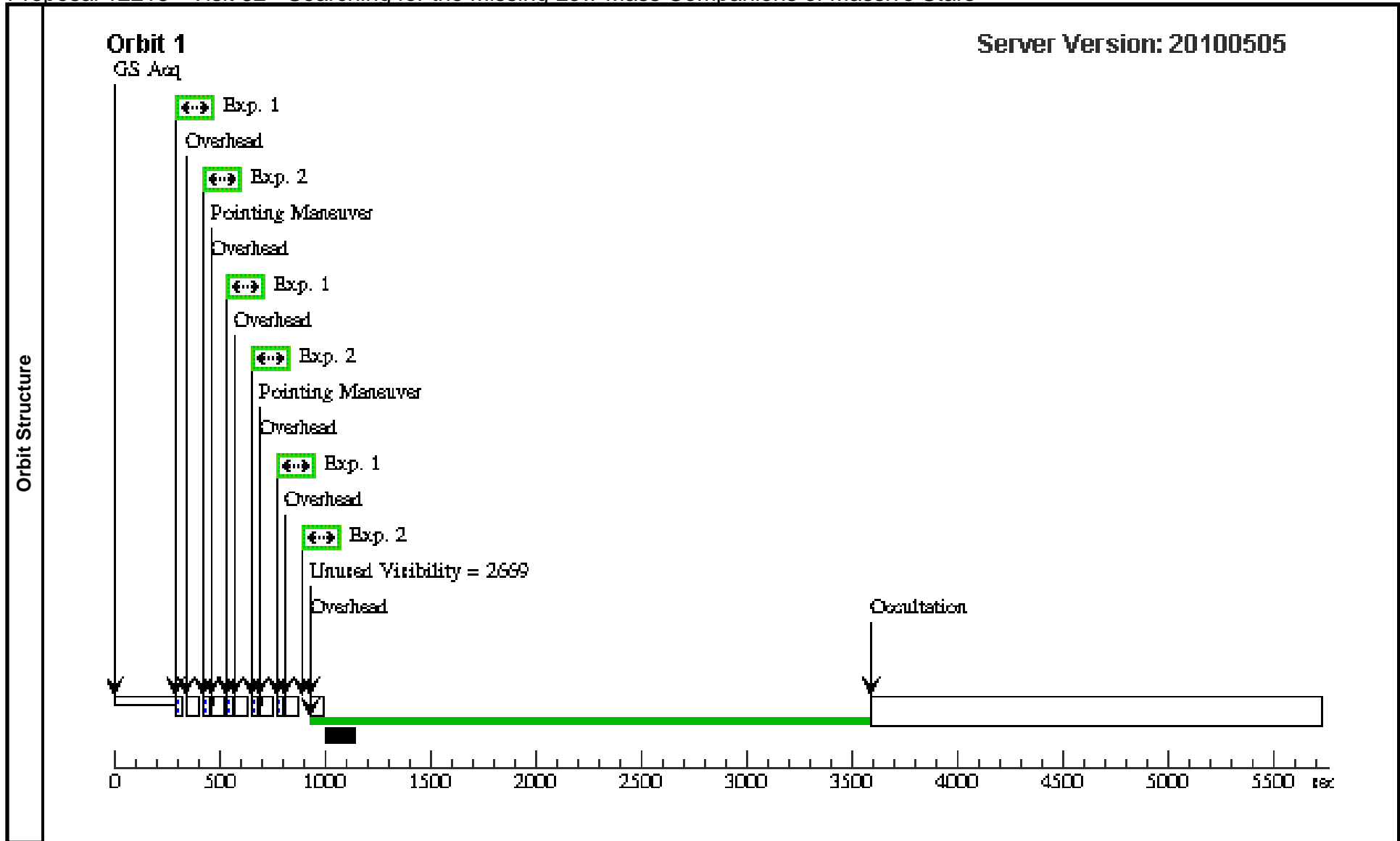
Visit	<b>Proposal 12215, Visit 61</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(61)	SZ-TAU	RA: 04 37 14.7780 (69.3115750d) Dec: +18 32 34.91 (18.54303d) Equinox: J2000		V=6.53	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(61) SZ-TAU	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	2.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
2		(61) SZ-TAU	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	4.9 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	



Proposal 12215 - Visit 61 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:23 GMT 2010

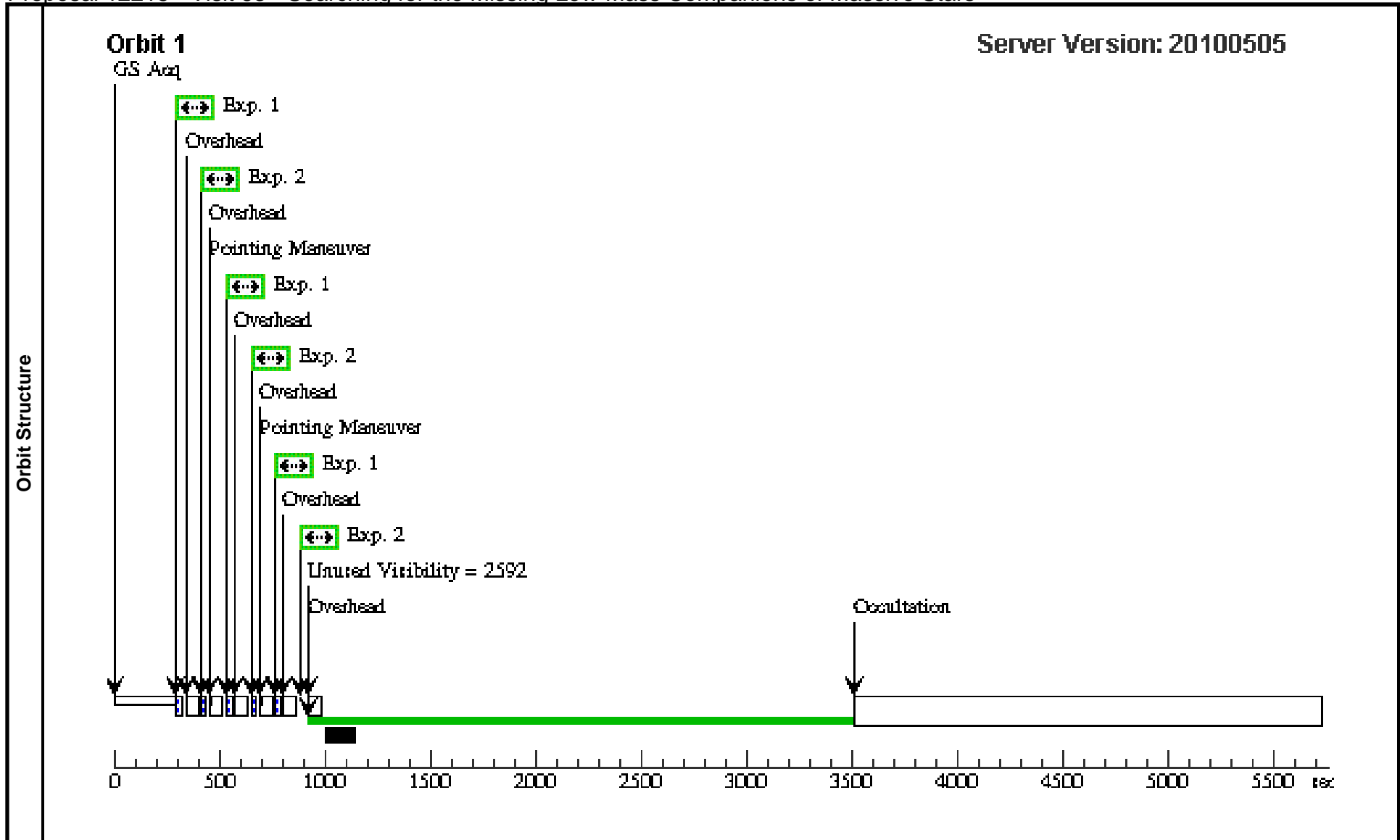
Visit	<b>Proposal 12215, Visit 62</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(62)	R-TRA	RA: 15 19 45.7140 (229.9404750d) Dec: -66 29 45.72 (-66.49603d) Equinox: J2000		V=6.66	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(62) R-TRA	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	2.2 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
2		(62) R-TRA	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	5.6 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	



Proposal 12215 - Visit 62 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:23 GMT 2010

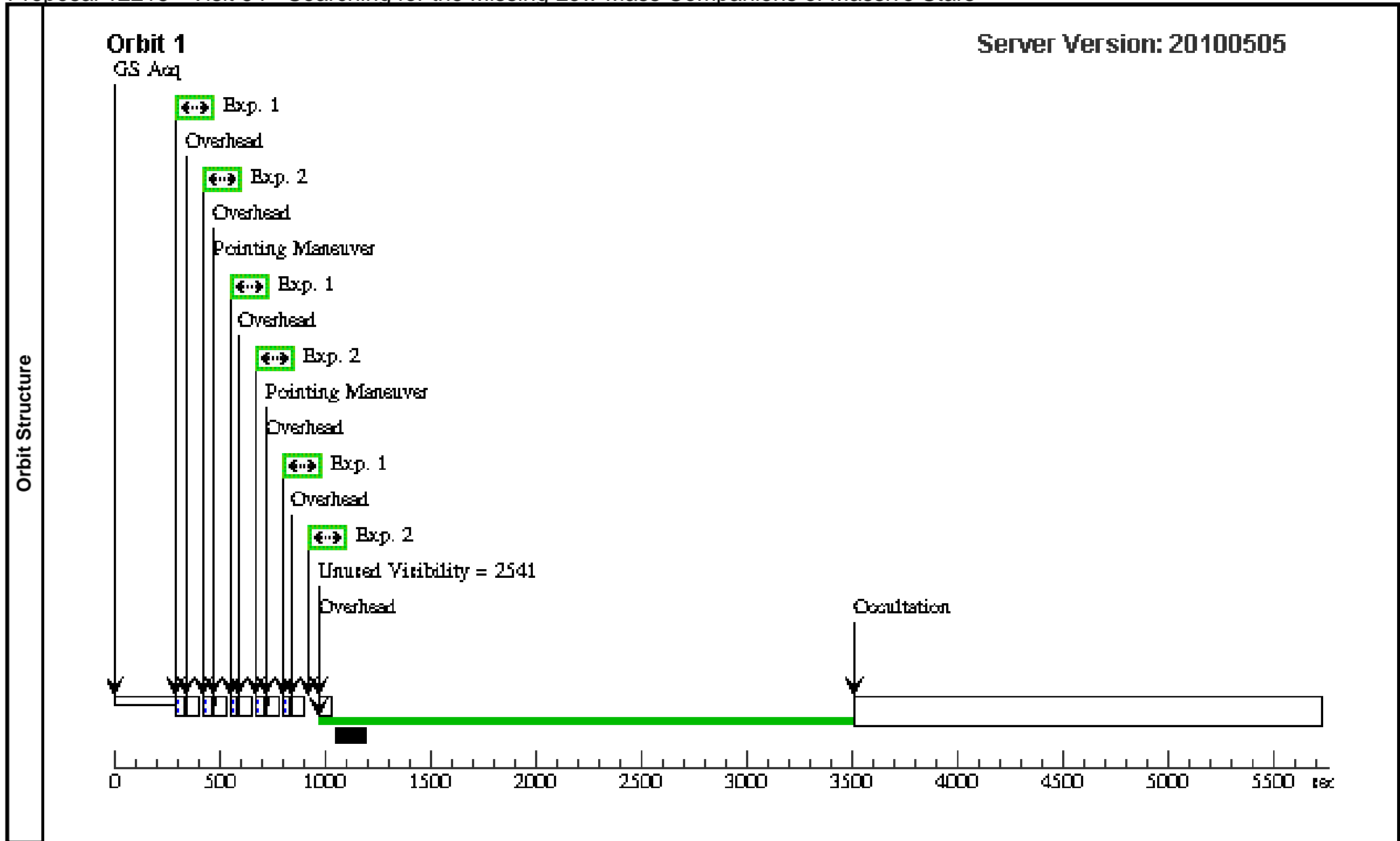
Visit	<b>Proposal 12215, Visit 63</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(63)	S-TRA	RA: 16 01 10.7150 (240.2946458d) Dec: -63 46 35.54 (-63.77654d) Equinox: J2000		V=6.39	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(63) S-TRA	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	1.7 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
	2		(63) S-TRA	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	4.3 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
									[==>(Pattern 3)]	



Proposal 12215 - Visit 63 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:23 GMT 2010

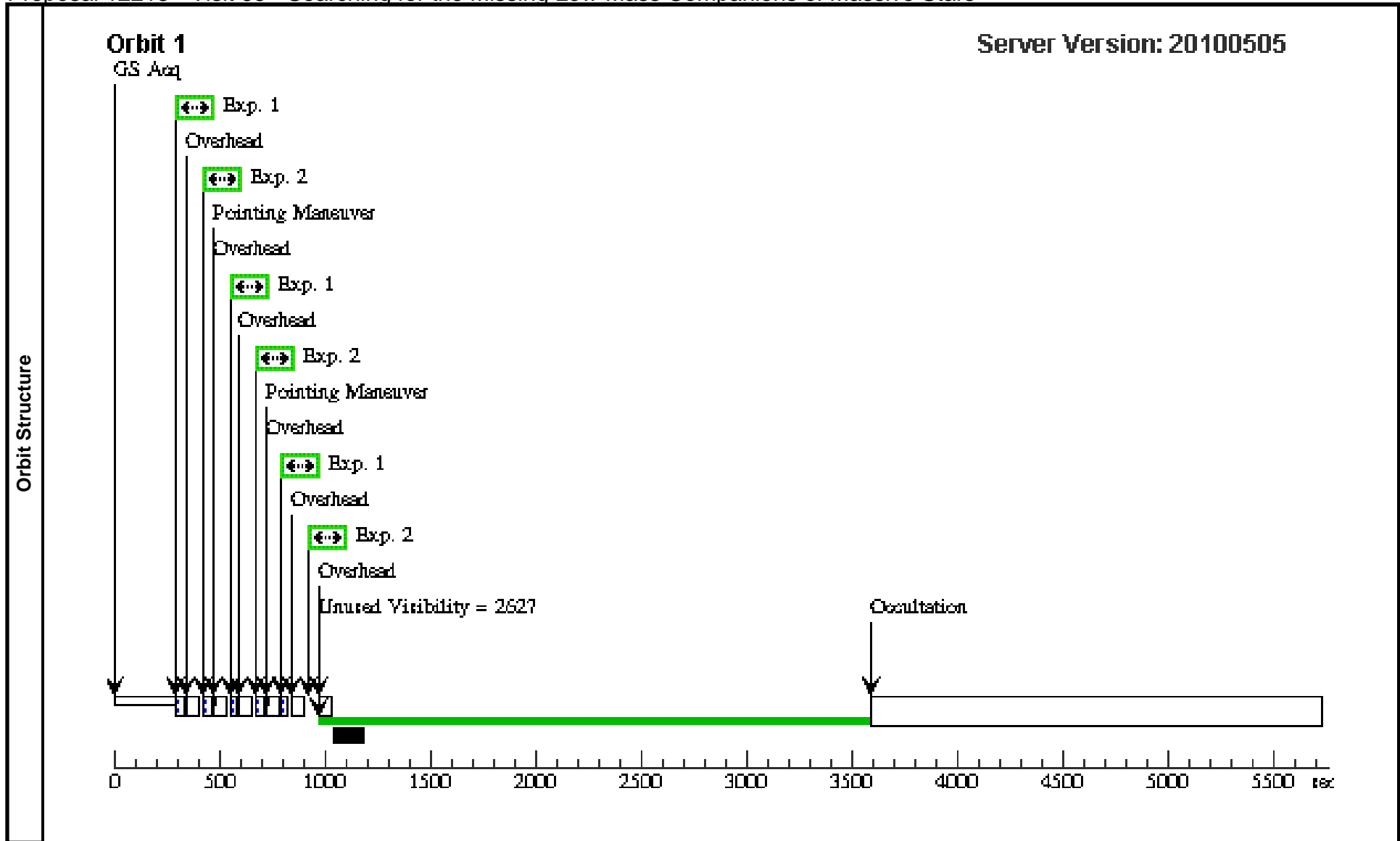
Visit	<b>Proposal 12215, Visit 64</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(64)	U-TRA	RA: 16 07 19.0040 (241.8291833d) Dec: -62 54 38.01 (-62.91056d) Equinox: J2000		V=7.87	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(64) U-TRA	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	6.7 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
2		(64) U-TRA	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	17.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	



Proposal 12215 - Visit 64 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:23 GMT 2010

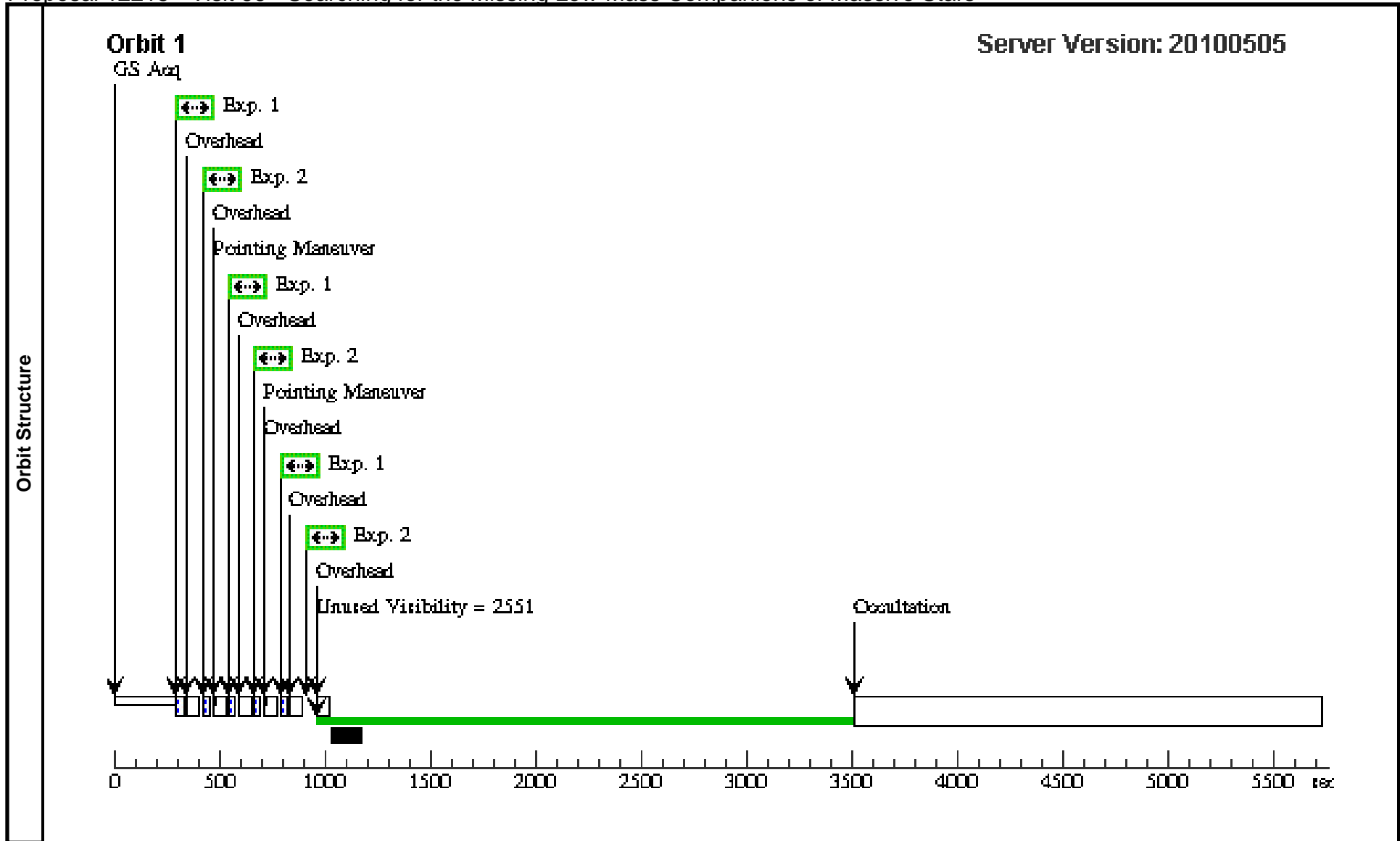
Visit	<b>Proposal 12215, Visit 65</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(65)	LR-TRA	RA: 15 30 49.8240 (232.7076000d) Dec: -65 35 57.58 (-65.59933d) Equinox: J2000		V=7.8	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(65) LR-TRA	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	6.3 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
2		(65) LR-TRA	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	15.9 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	



Proposal 12215 - Visit 65 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:24 GMT 2010

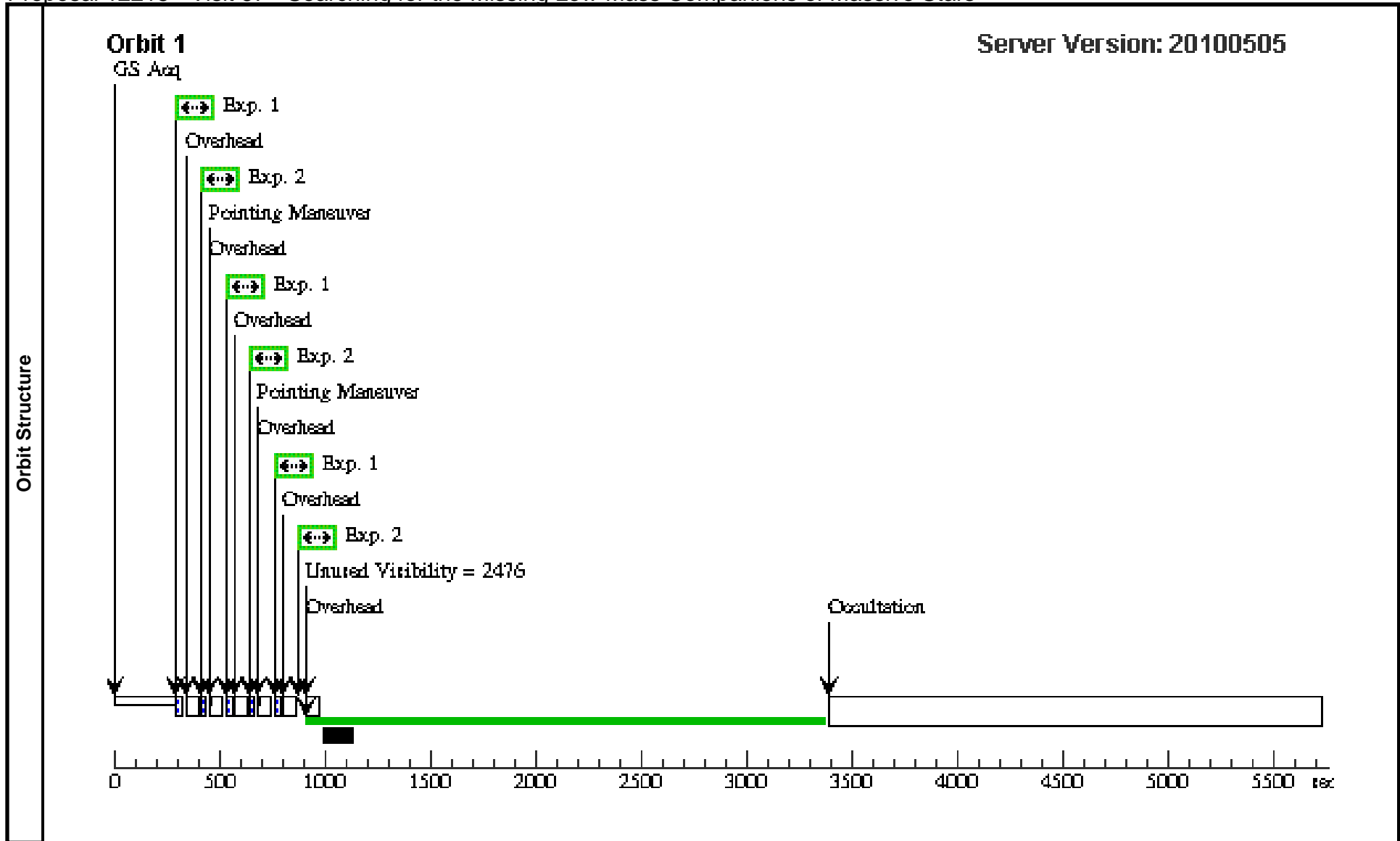
Visit	<b>Proposal 12215, Visit 66</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(66)	V-VEL	RA: 09 22 16.1670 (140.5673625d) Dec: -55 57 37.15 (-55.96032d) Equinox: J2000		V=7.58	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(66) V-VEL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	5.2 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
	2		(66) V-VEL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	13.0 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
									[==>(Pattern 3)]	



Proposal 12215 - Visit 66 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:24 GMT 2010

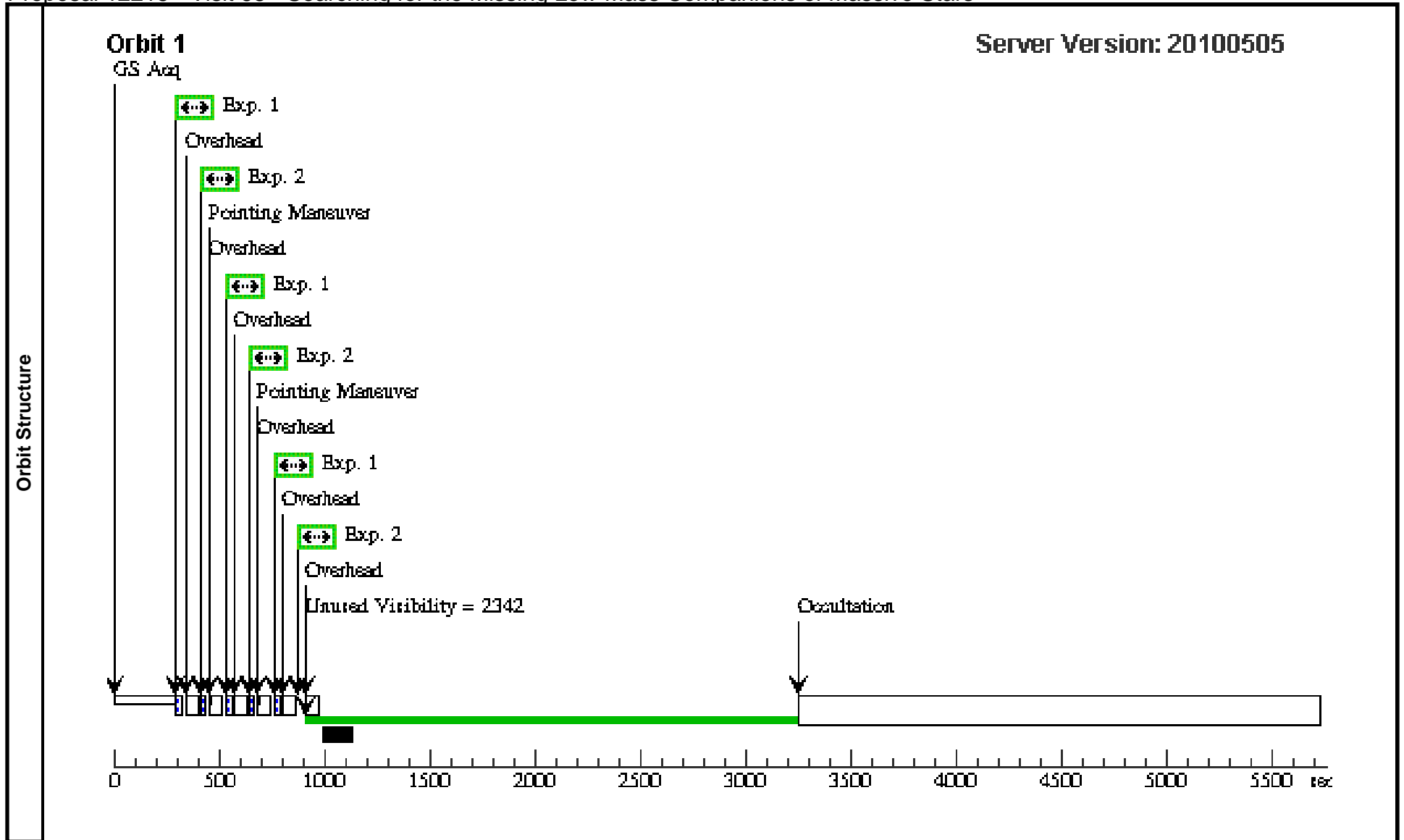
Visit	Proposal 12215, Visit 67 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(67)	AH-VEL	RA: 08 11 59.9680 (122.9998667d) Dec: -46 38 39.67 (-46.64435d) Equinox: J2000		V=5.69	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(67) AH-VEL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	0.9 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
2		(67) AH-VEL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	2.3 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	



Proposal 12215 - Visit 67 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:24 GMT 2010

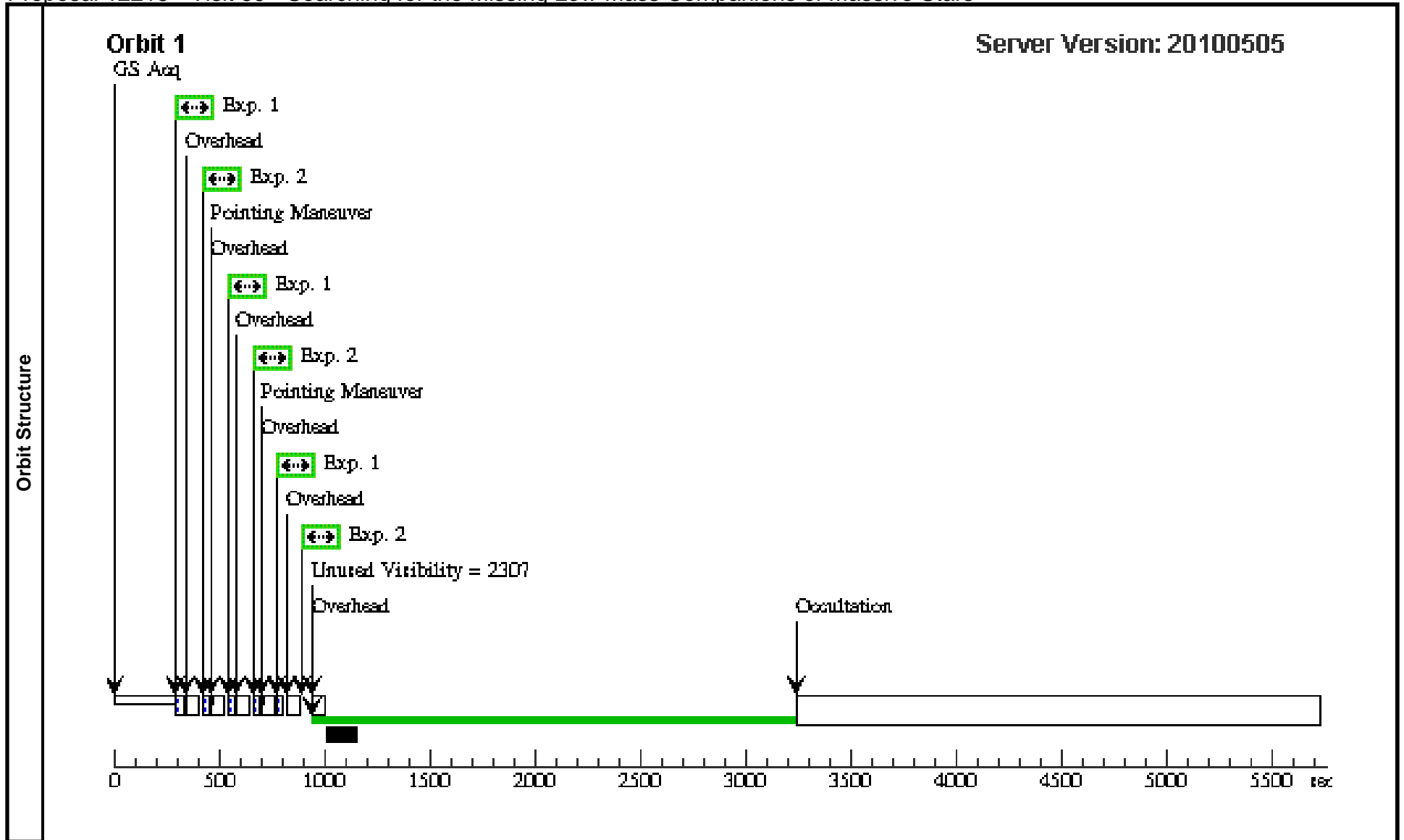
Visit	<b>Proposal 12215, Visit 68</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(68)	T-VUL	RA: 20 51 28.2380 (312.8676583d) Dec: +28 15 1.82 (28.25051d) Equinox: J2000		V=5.75	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(68) T-VUL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	1.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
2		(68) T-VUL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	2.4 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	



Proposal 12215 - Visit 68 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:24 GMT 2010

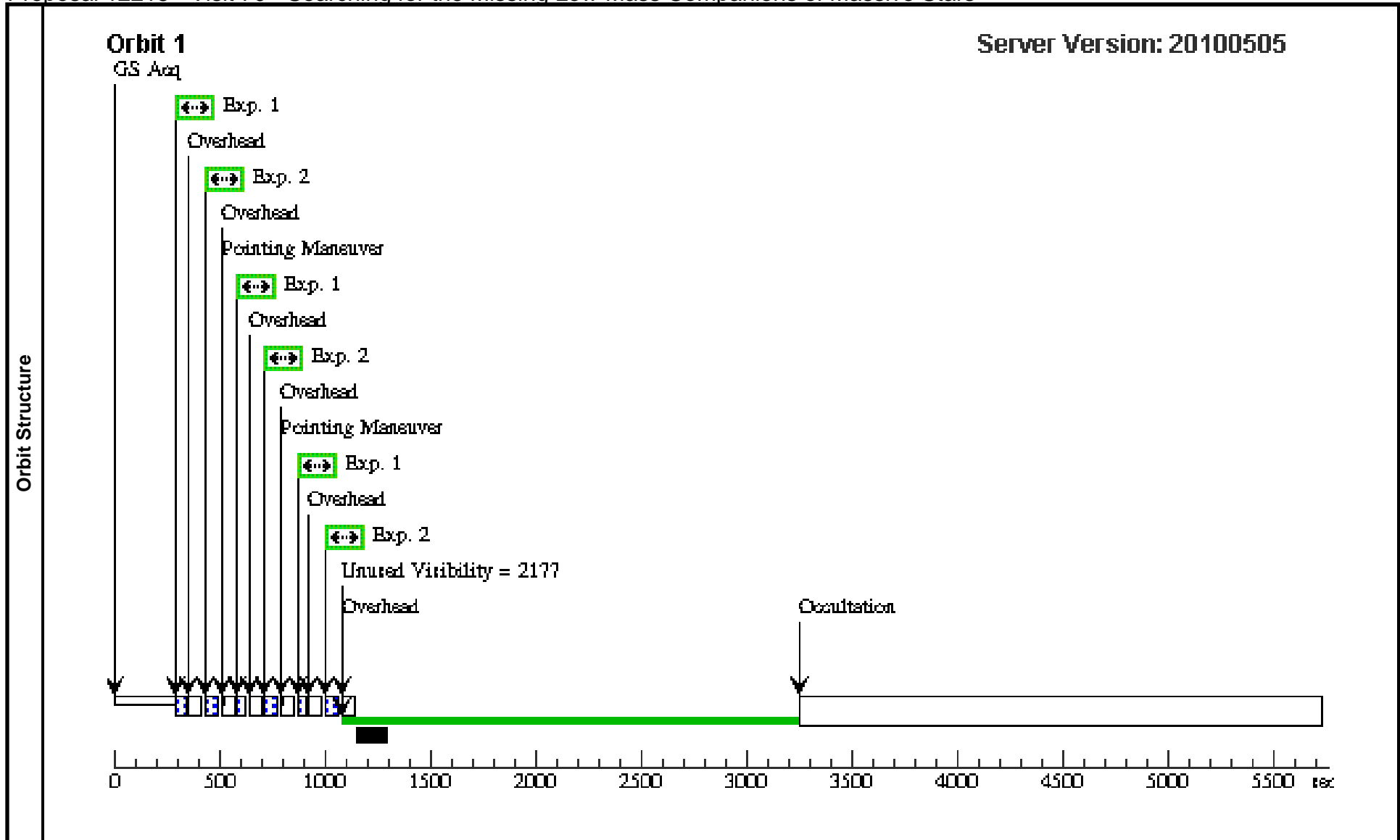
Visit	<b>Proposal 12215, Visit 69</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(69)	U-VUL	RA: 19 36 37.7290 (294.1572042d) Dec: +20 19 58.60 (20.33294d) Equinox: J2000		V=7.12	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(69) U-VUL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	3.4 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
	2		(69) U-VUL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	8.5 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	[1]
									[==>(Pattern 3)]	



Proposal 12215 - Visit 69 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:24 GMT 2010

Visit	<b>Proposal 12215, Visit 70</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(70)	X-VUL	RA: 19 57 28.6060 (299.3691917d) Dec: +26 33 23.29 (26.55647d) Equinox: J2000		V=8.84	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(70) X-VUL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	16.5 Secs	
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	2		(70) X-VUL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	41.4 Secs	
								[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	



Proposal 12215 - Visit 70 - Searching for the Missing Low-Mass Companions of Massive Stars

Thu Jun 24 01:05:25 GMT 2010

Visit	<b>Proposal 12215, Visit 71</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(1)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true		(1-2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(71)	SV-VUL	RA: 19 51 30.9070 (297.8787792d) Dec: +27 27 36.83 (27.46023d) Equinox: J2000		V=7.22	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(71) SV-VUL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	3.7 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
2		(71) SV-VUL	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F845M	CR-SPLIT=NO		Pattern 1, Exps 1-2 (1)	9.3 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	

