



## 11149 - Characterizing the Stellar Populations in Lyman-Alpha Emitters and Lyman Break Galaxies at $5.7 < z < 7$ in the Subaru Deep Field

Cycle: 16, Proposal Category: GO

(Availability Mode: SUPPORTED)

### INVESTIGATORS

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### VISITS

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(5) SDFJ132408.3+271543	NIC3	2	10-Mar-2010 21:01:16.0	yes
02	(7) SDFJ132415.7+273058	WFC3/IR	2	10-Mar-2010 21:01:23.0	yes
03	(17) SDFJ132423.7+273324	WFC3/IR	2	10-Mar-2010 21:01:28.0	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>
04	(19) SDFJ132416.1+274411	WFC3/IR	2	10-Mar-2010 21:01:35.0	yes
05	(1) SDFJ132359.8+272456	WFC3/IR	4	10-Mar-2010 21:01:40.0	yes
06	(2) SDFJ132522.3+273520	WFC3/IR	2	10-Mar-2010 21:01:45.0	yes
07	(3) SDFJ132357.1+272448	WFC3/IR	2	10-Mar-2010 21:01:50.0	yes
08	(4) SDFJ132518.8+273043	WFC3/IR	2	10-Mar-2010 21:01:55.0	yes
09	(6) SDFJ132410.8+271928	NIC3	4	10-Mar-2010 21:02:01.0	yes
10	(8) SDFJ132353.1+271631	NIC3	4	10-Mar-2010 21:02:07.0	yes
11	(9) SDFJ132440.6+273607	WFC3/IR	2	10-Mar-2010 21:02:11.0	yes
12	(10) SDFJ132345.6+271701	NIC3	4	10-Mar-2010 21:02:16.0	yes
13	(11) SDFJ132400.3+273238	NIC3	4	10-Mar-2010 21:02:23.0	yes
14	(12) SDFJ132442.5+272423	WFC3/IR	2	10-Mar-2010 21:02:27.0	yes
15	(13) SDFJ132426.5+271600	NIC3	4	10-Mar-2010 21:02:32.0	yes
16	(14) SDFJ132431.5+271509	NIC3	4	10-Mar-2010 21:02:37.0	yes
17	(15) SDFJ132519.4+271829	WFC3/IR	2	10-Mar-2010 21:02:41.0	yes
18	(16) SDFJ132418.4+271633	NIC3	4	10-Mar-2010 21:02:48.0	yes
19	(18) SDFJ132523.4+271701	WFC3/IR	2	10-Mar-2010 21:02:53.0	yes
20	(20) SDFJ132416.4+271907	WFC3/IR	2	10-Mar-2010 21:02:57.0	yes
21	(5) SDFJ132408.3+271543	WFC3/IR	1	10-Mar-2010 21:03:00.0	yes

57 Total Orbits Used

**ABSTRACT**

The epoch of reionization marks a major phase transition of the Universe, during which the intergalactic space became transparent to UV photons. Determining when this occurred and the physical processes involved represents the latest frontier in observational cosmology. Over the last few years, searches have intensified to identify the population of high-redshift ( $z > 6$ ) galaxies that might be responsible for this process, but the progress is hampered partly by the difficulty of obtaining physical information (stellar mass, age, star formation rate/history) for individual sources. This is because the number of  $z > 6$  galaxies that have both secure spectroscopic redshifts and high-quality infrared photometry (especially with Spitzer/IRAC) is still fairly small. Considering that only several photometric points are available per source, and that many model SEDs are highly degenerate, it is crucial to obtain as many observational constraints as possible for each source to ensure the validity of SED modeling. To better understand the physical properties of high-redshift galaxies, we propose here to conduct HST/NICMOS (72 orbits) and Spitzer/IRAC (102 hours) imaging of spectroscopically confirmed, bright ( $z < 26$  mag (AB)) Ly-alpha emitters (LAEs) and Lyman-break galaxies (LBGs) at  $5.7 < z < 7$  selected from the Subaru Deep Field. Spectroscopic redshifts remove one critical free parameter from SED modeling while bright source magnitudes ensure high-quality photometric data. By making accurate determinations of stellar masses, ages, and star-formation histories, we will specifically address the following major questions: (1) Do LAEs and LBGs represent physically different galaxy populations at  $z > 6$  as suggested recently? (2) Is Ly-alpha emission systematically suppressed at  $z > 6$  with respect to continuum emission? (i.e., are we reaching the epoch of incomplete reionization?), and (3) Do we see any sign of abnormally young stellar population in any of the  $z > 6$  galaxies?

## **OBSERVING DESCRIPTION**

We will image each source in the sample with a combination of NICMOS/F110W and NICMOS/F160W pointings, using the NIC3 camera. The NIC3 camera is used to achieve the best sensitivity since the target sources are faint. The two-filter observations are necessary to measure the rest-frame UV continuum slope. For K-band photometry, we will use ground-based 8m-class telescopes, which are more sensitive. Because our sources are isolated, there is no need for specific constraints on the orientation of the NIC3 camera.

We used the latest version of the ETC to derive the limiting magnitude reached by each NICMOS pointing, assuming 38 minutes of science integration time per orbit in low-sky (LOW) background. We achieve a S/N of 5 for a limiting point source sensitivity of 26.1 (AB) in a single NICMOS/F110W orbit, computed within a 0.6"-diameter aperture. Similarly, a single NICMOS/F160W orbit will reach a 5-sigma sensitivity of 25.9.

The  $z_{AB}$  magnitudes provided in the proposal are pure continuum values, and if the target galaxies have a flat  $f_{\nu}$  spectrum, the near-infrared continuum magnitudes will be similar (i.e., constant AB magnitudes). However, the rest-frame UV continuum could be quite blue if the underlying stellar population is young and contains very massive stars. In this case, the near-infrared continuum becomes fainter than the z-band continuum.

Considering the uncertainties with the expected near-infrared continuum magnitudes, not only due to the unknown slope of the rest-frame UV continuum but also due to the z-band photometry themselves (for  $z > 6$  galaxies, observed z magnitudes had to be corrected for the IGM absorption and Ly-alpha emission), it is desirable to achieve NICMOS F110W and F160W detection limits one magnitude deeper than the z magnitudes listed. We can achieve this goal by integrating for 2 orbits (1 F110W; 1 F160W) for the 4 targets with z magnitudes of 24.5--25.0 mag and for 4 orbits (2 F110W; 2 F160W) for 7 targets with  $z=25.0-25.5$  mag. For the remaining 9

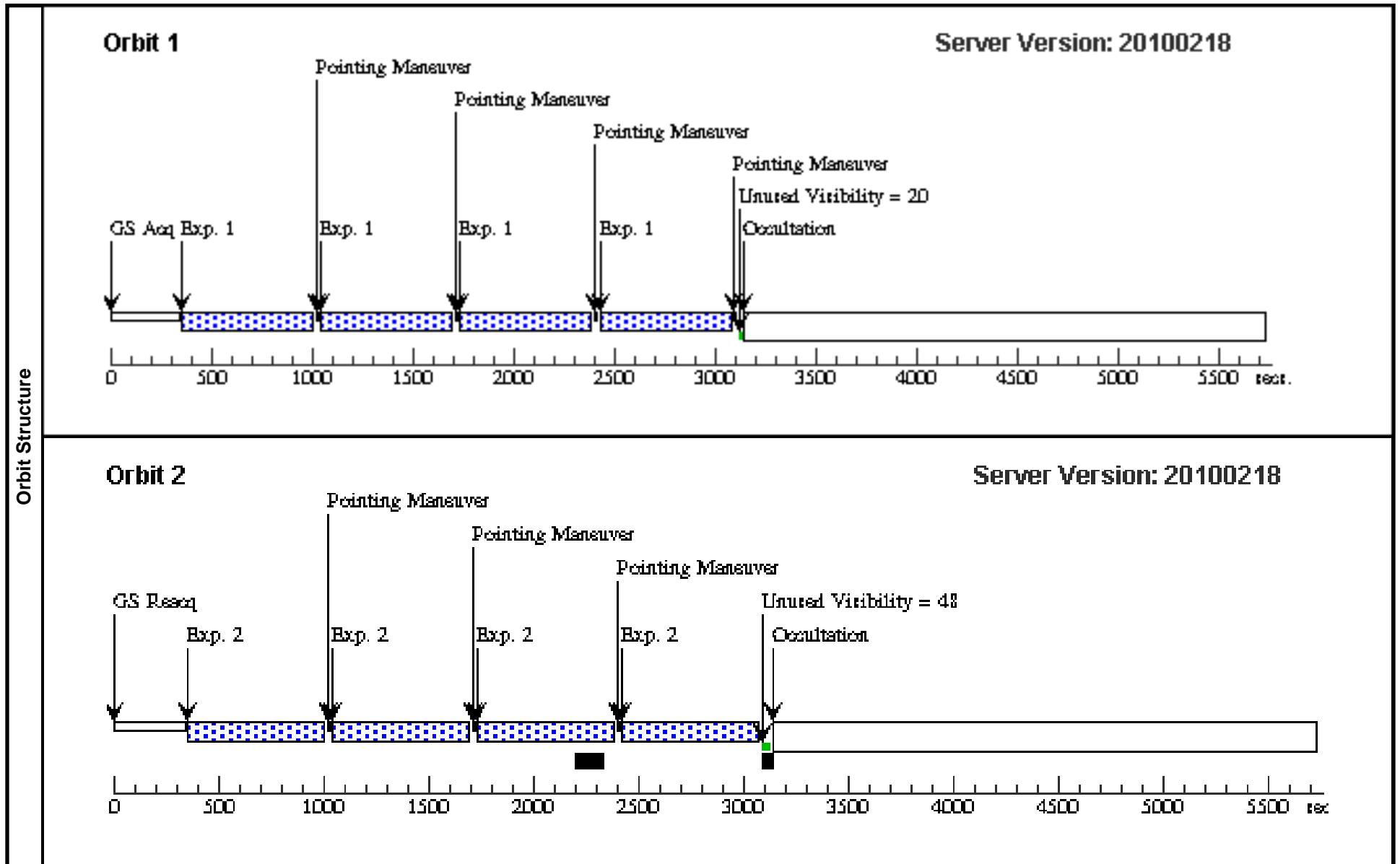
galaxies with  $z > 25.5$  mag, we will also integrate for 4 orbits (2 F110W; 2 F160W). This depth will allow detections if the rest-frame UV continuum is fairly flat in  $f_{\nu}$ .

In total, we request 72 orbits for this program (2 orbits x 4 sources + 4 orbits x 16 sources).

Proposal 11149 - Visit 01 - Characterizing the Stellar Populations in Lyman-Alpha Emitters and Lyman Break Galaxies a...

Thu Mar 11 02:03:04 GMT 2010

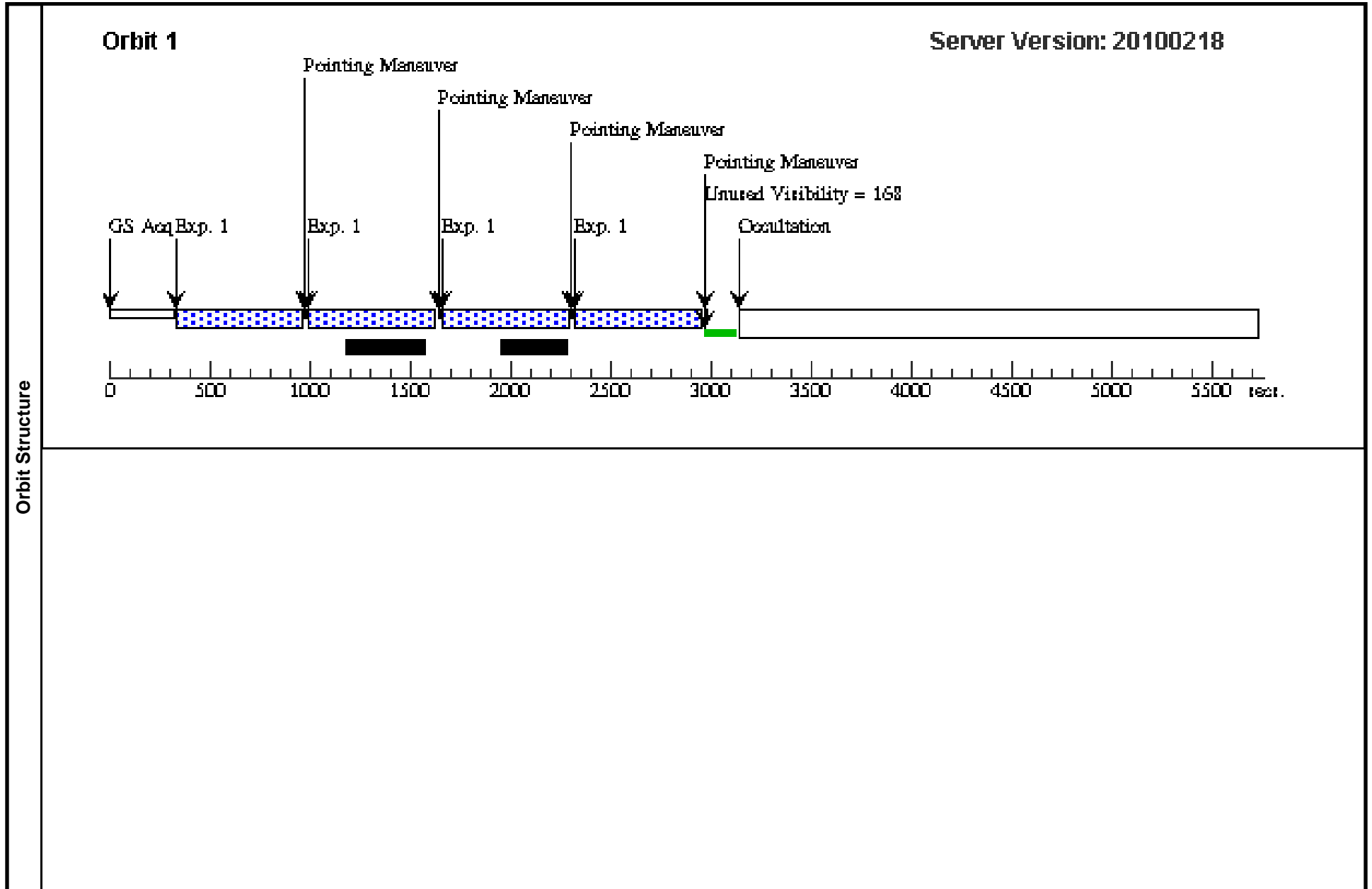
Visit	<b>Proposal 11149, Visit 01, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: NIC3 Special Requirements: PCS MODE FINE									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(1)	Pattern Type=NIC-SPIRAL-DITH Purpose=DITHER Number Of Points=4 Point Spacing=5.0 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=22.5 Angle Between Sides= Center Pattern=false		(1), (2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(5)	SDFJ132408.3+271543	RA: 13 24 8.3000 (201.0345833d) Dec: +27 15 43.00 (27.26194d) Equinox: J2000		V=? z(AB)=24.94	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(5) SDFJ132408.3+271543	NIC3, MULTIACCUM, NIC3	F110W	SAMP-SEQ=SPARS 64; NSAMP=12			Pattern 1, Exps 1-1 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]
2		(5) SDFJ132408.3+271543	NIC3, MULTIACCUM, NIC3	F160W	SAMP-SEQ=SPARS 64; NSAMP=12			Pattern 1, Exps 2-2 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]

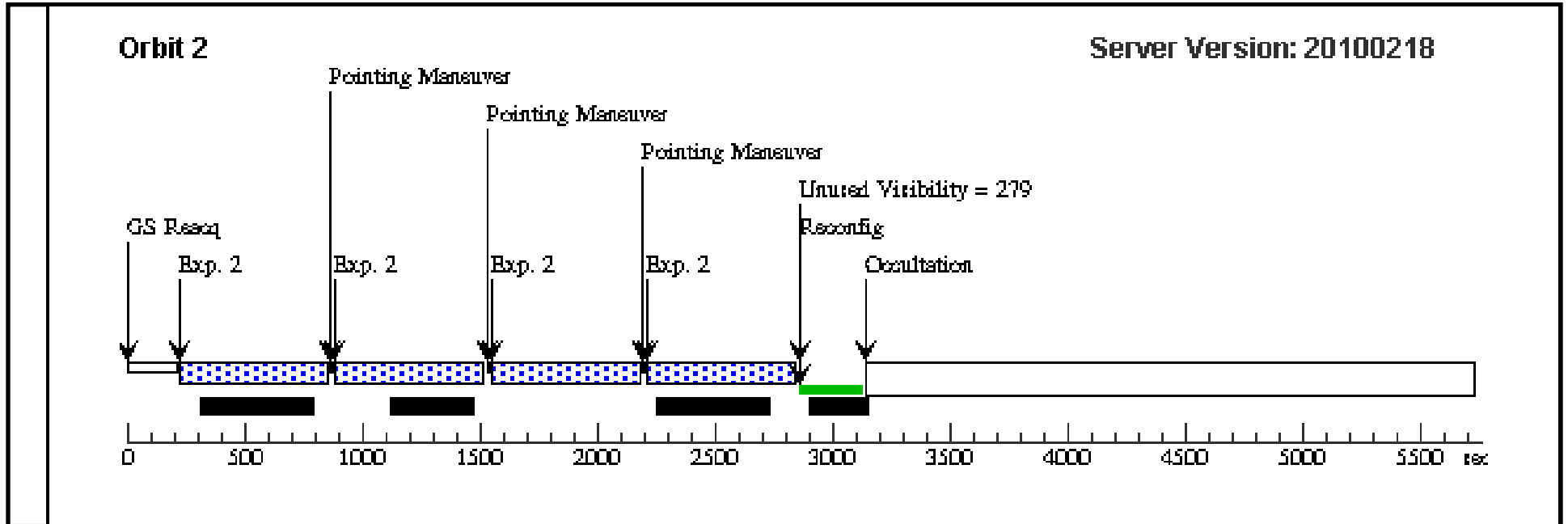


Proposal 11149 - Visit 01 - Characterizing the Stellar Populations in Lyman-Alpha Emitters and Lyman Break Galaxies a...

Thu Mar 11 02:03:05 GMT 2010

<b>Visit</b>	<b>Proposal 11149, Visit 02, scheduling</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: WFC3/IR Special Requirements: PCS MODE FINE; GYRO MODE 3GOBAD; ORIENT 22.6D TO 92.6 D; ORIENT 112.6D TO 182.6 D; ORIENT 202.6D TO 272.6 D; ORIENT 292.6D TO 2.6 D										
	(Visit 02) Warning (Form): Gyro Mode overrides default value of 2G.										
<b>Diagnosics</b>											
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>				<b>Exposures</b>	
	(2)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365				Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false				(1), (2)	
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>		<b>Miscellaneous</b>		
	(7)	SDFJ132415.7+273058	RA: 13 24 15.7000 (201.0654167d) Dec: +27 30 58.00 (27.51611d) Equinox: J2000				V=(?) z(AB)=24.73		Reference Frame: ICRS		
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>		<b>Orbit</b>
	1		(7) SDFJ132415.7+273058	WFC3/IR, MULTIACCUM, IR	F125W	SAMP-SEQ=SPARS 50; NSAMP=13	GS ACQ SCENARI O BASE1B3	Pattern 2, Exps 1-1 (2)	[=]>(Pattern 1)] [=]>(Pattern 2)] [=]>(Pattern 3)] [=]>(Pattern 4)]		[1]
	<i>Comments: For this target, we are now using F125W instead of F110W.</i>										
2		(7) SDFJ132415.7+273058	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=SPARS 50; NSAMP=13			Pattern 2, Exps 2-2 (2)	[=]>(Pattern 1)] [=]>(Pattern 2)] [=]>(Pattern 3)] [=]>(Pattern 4)]		[2]

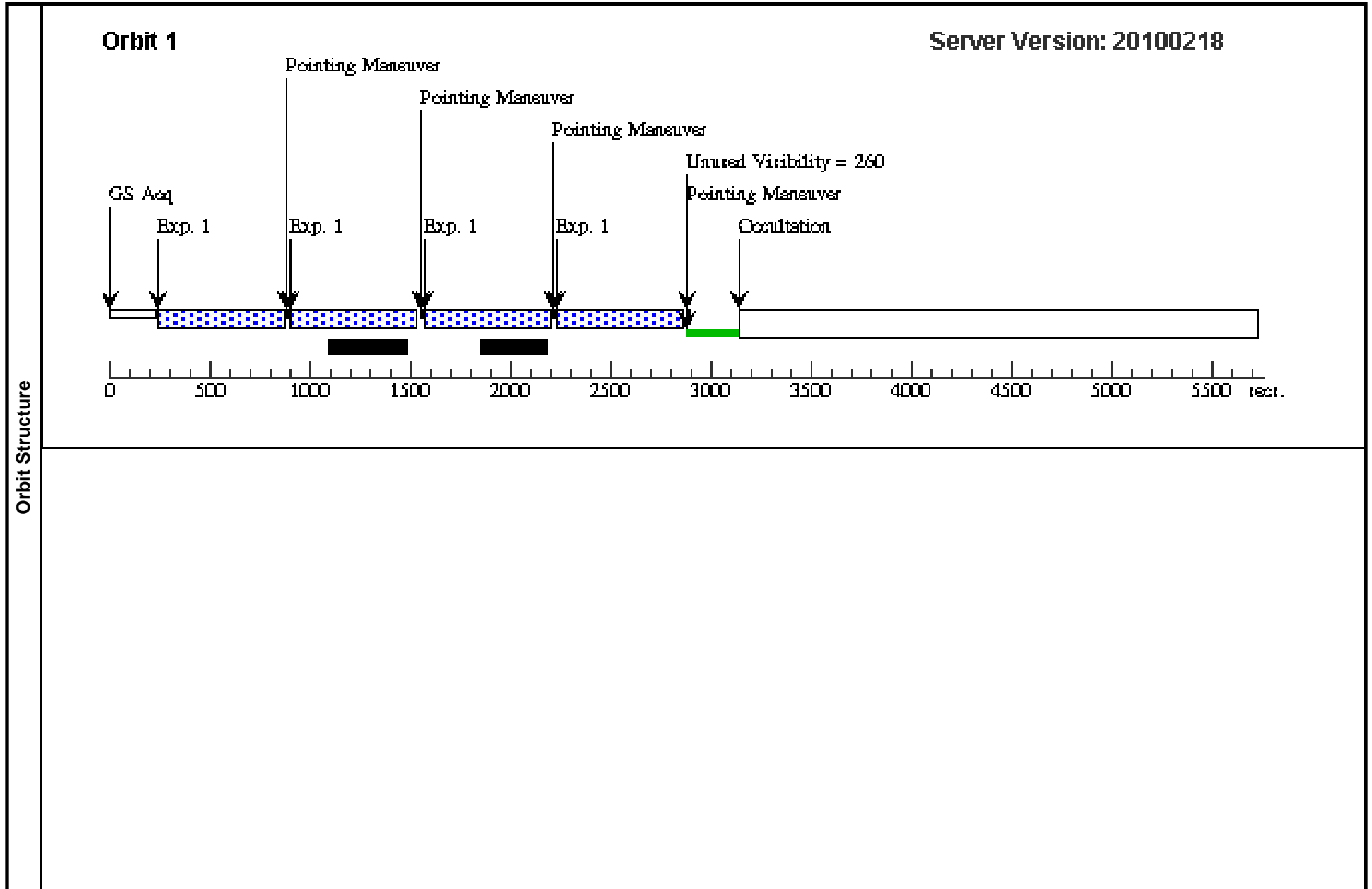


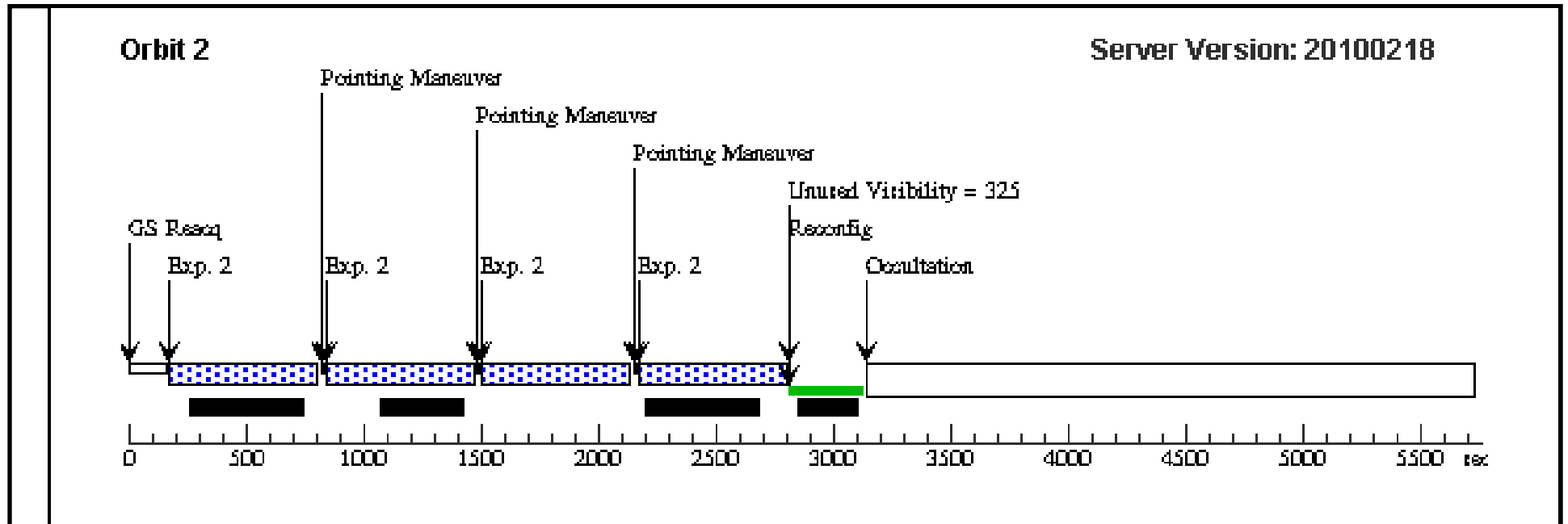


Proposal 11149 - Visit 03 - Characterizing the Stellar Populations in Lyman-Alpha Emitters and Lyman Break Galaxies a...

Thu Mar 11 02:03:05 GMT 2010

<b>Visit</b>	Proposal 11149, Visit 03, completed Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: PCS MODE FINE; GYRO MODE 3GOBAD										
	(Visit 03) Warning (Form): Gyro Mode overrides default value of 2G.										
<b>Diagnosics</b>											
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>				<b>Exposures</b>	
	(2)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365				Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false				(1), (2)	
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>		<b>Miscellaneous</b>		
	(17)	SDFJ132423.7+273324	RA: 13 24 22.7000 (201.0945833d) Dec: +27 33 9.00 (27.55250d) Equinox: J2000				V=(?) z(AB)=24.73		Reference Frame: ICRS		
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>		<b>Orbit</b>
	1		(17) SDFJ132423.7+273324	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=SPARS 50; NSAMP=13	GS ACQ SCENARI O SINGLE	Pattern 2, Exps 1-1 (2)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]
	2		(17) SDFJ132423.7+273324	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=SPARS 50; NSAMP=13		Pattern 2, Exps 2-2 (2)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[2]

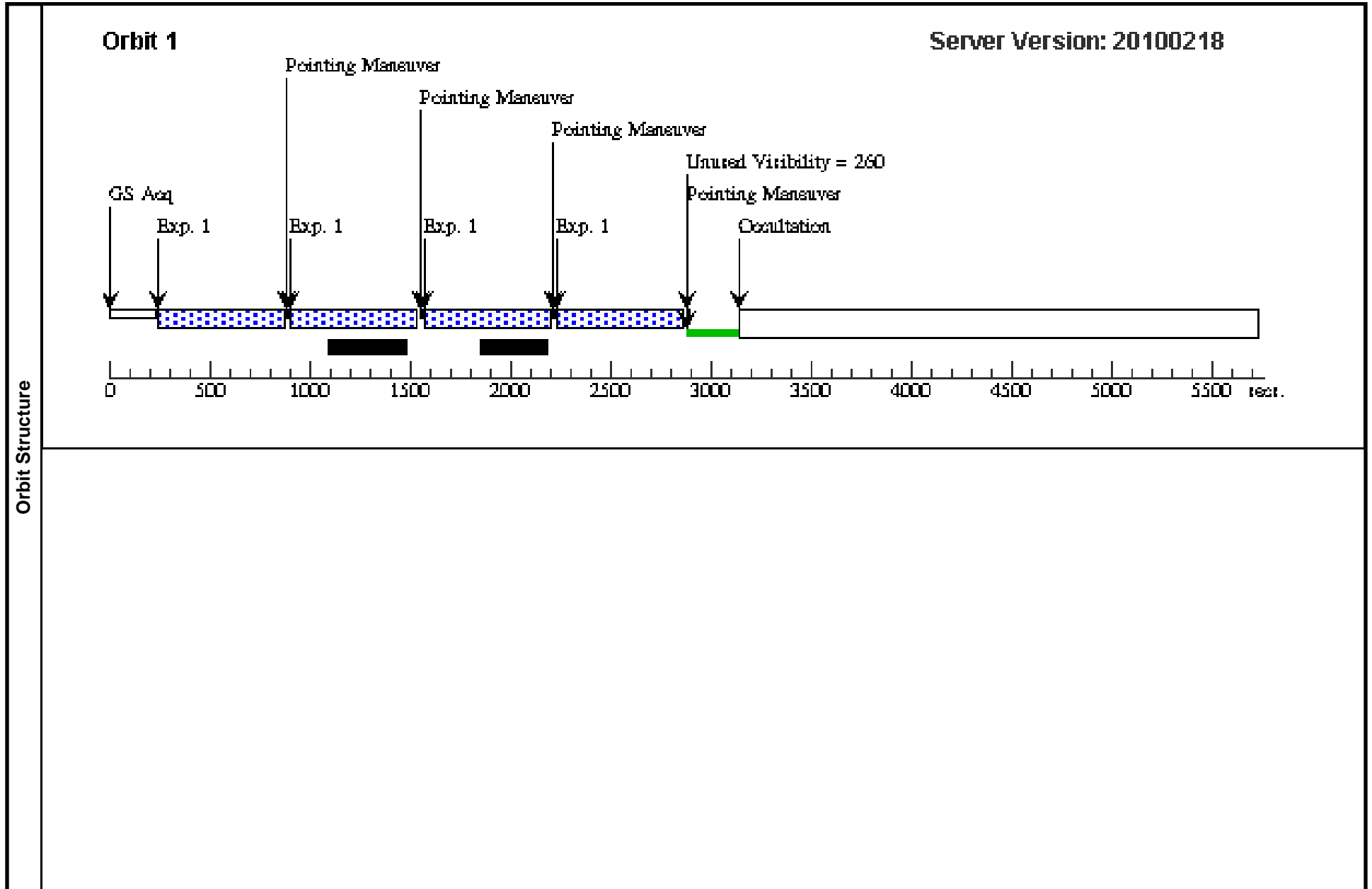


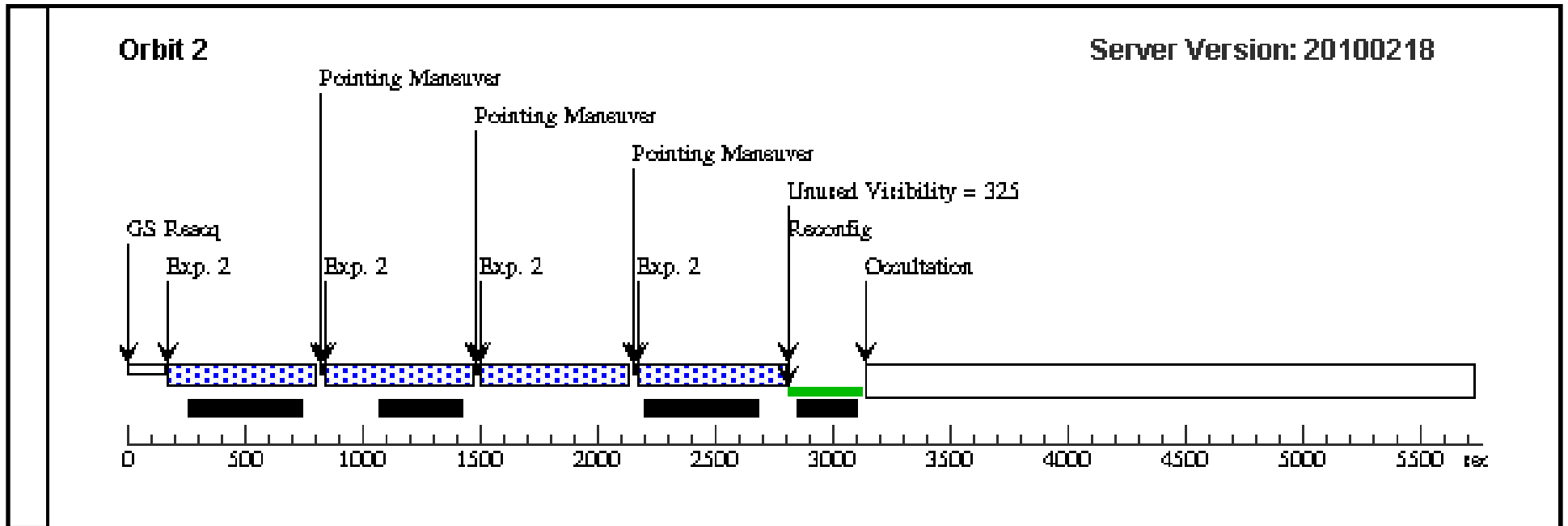


Proposal 11149 - Visit 04 - Characterizing the Stellar Populations in Lyman-Alpha Emitters and Lyman Break Galaxies a...

Thu Mar 11 02:03:06 GMT 2010

<b>Visit</b>	<b>Proposal 11149, Visit 04, scheduling</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: WFC3/IR Special Requirements: PCS MODE FINE; GYRO MODE 3GOBAD										
	(Visit 04) Warning (Form): Gyro Mode overrides default value of 2G.										
<b>Diagnosics</b>											
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>				<b>Exposures</b>	
	(2)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365				Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false				(1), (2)	
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>		<b>Miscellaneous</b>		
	(19)	SDFJ132416.1+274411	RA: 13 24 16.1000 (201.0670833d) Dec: +27 44 11.00 (27.73639d) Equinox: J2000				V=(?) z(AB)=24.84		Reference Frame: ICRS		
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>		<b>Orbit</b>
	1		(19) SDFJ132416.1+274411	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=SPARS 50; NSAMP=13	GS ACQ SCENARI O SINGLE	Pattern 2, Exps 1-1 (2)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]
	2		(19) SDFJ132416.1+274411	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=SPARS 50; NSAMP=13		Pattern 2, Exps 2-2 (2)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[2]

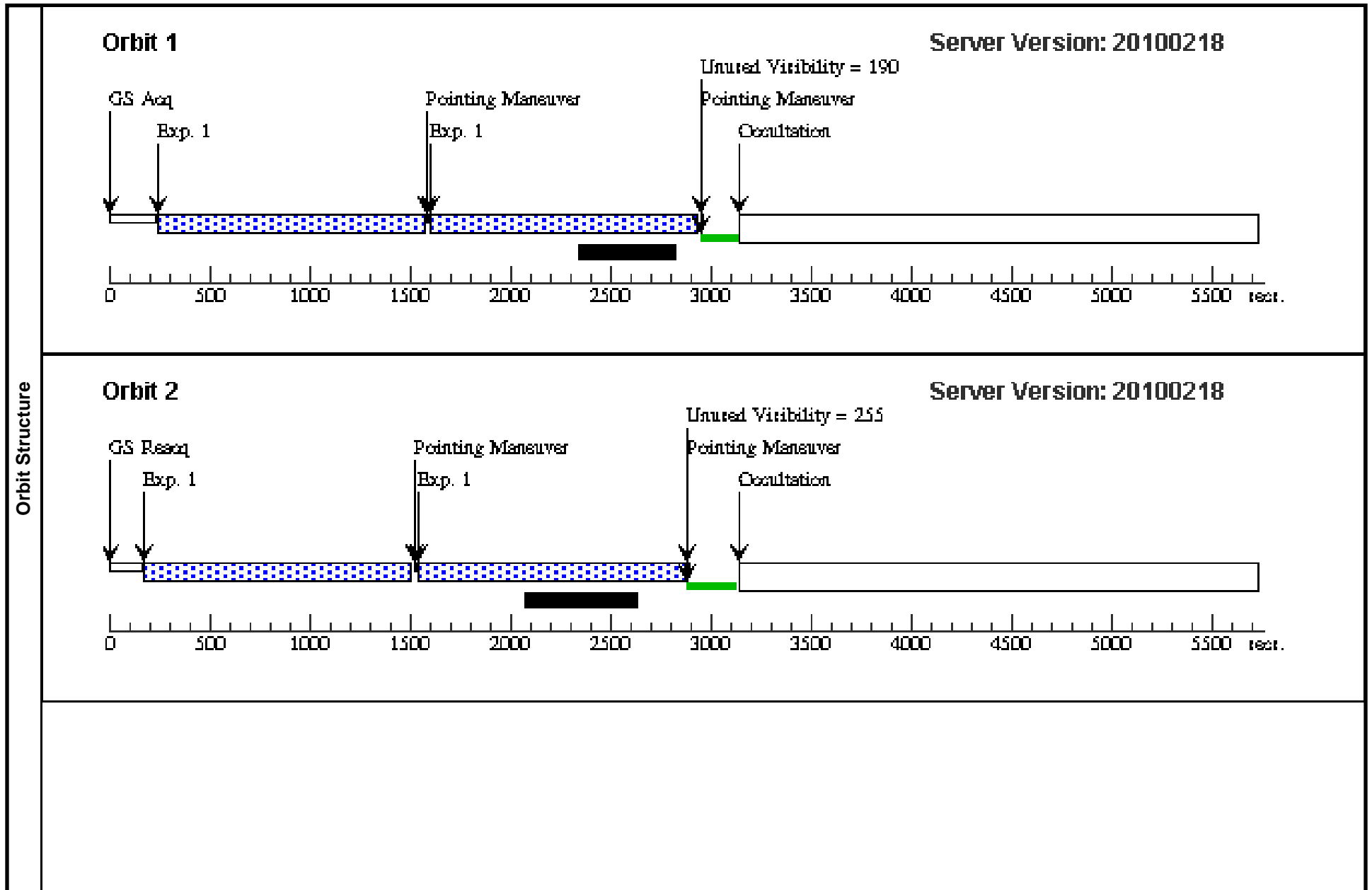


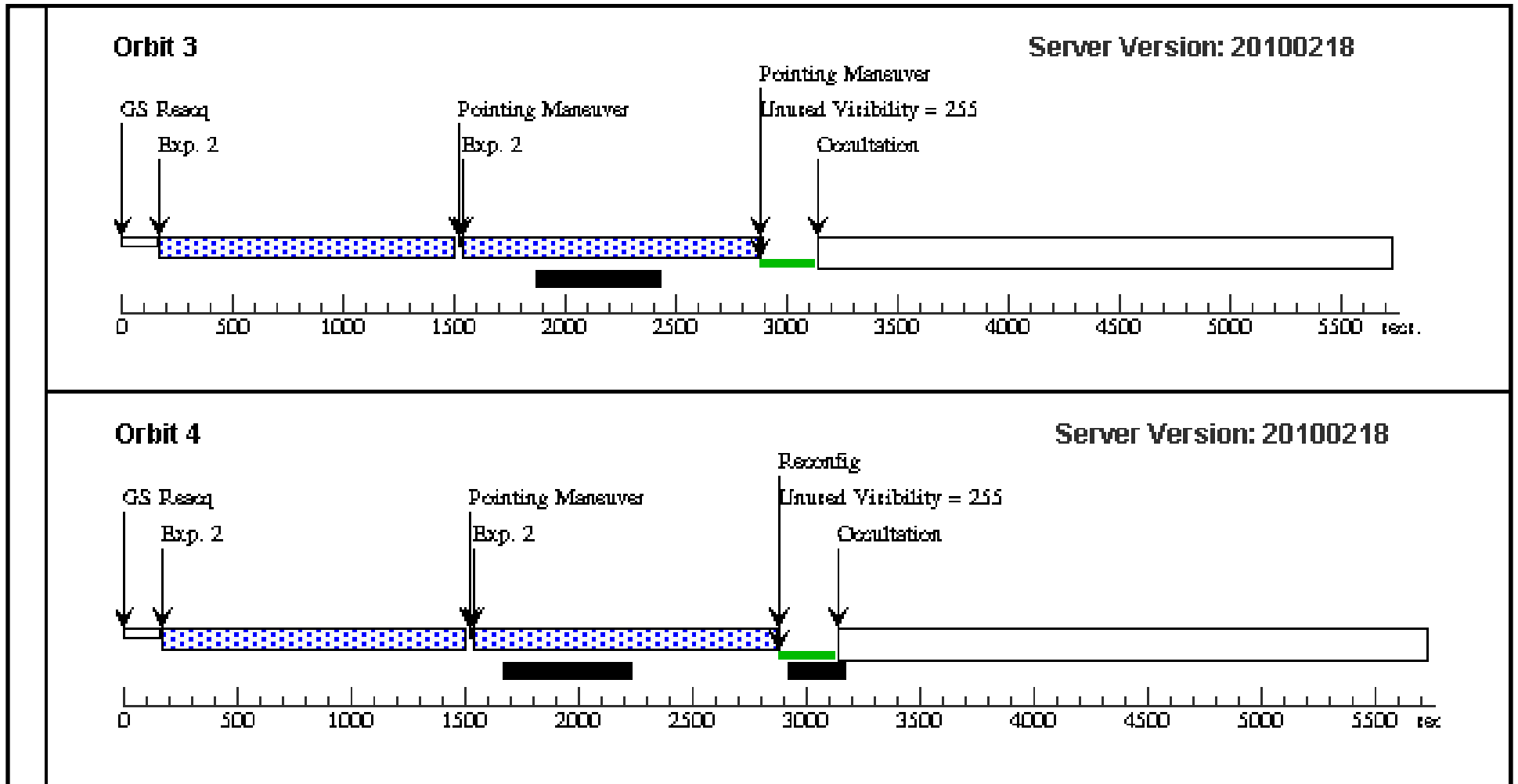


Proposal 11149 - Visit 05 - Characterizing the Stellar Populations in Lyman-Alpha Emitters and Lyman Break Galaxies a...

Thu Mar 11 02:03:06 GMT 2010

<b>Visit</b>	<b>Proposal 11149, Visit 05, scheduling</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: WFC3/IR Special Requirements: PCS MODE FINE; GYRO MODE 3GOBAD; ORIENT 65.8D TO 115.8 D; ORIENT 155.8D TO 205.8 D; ORIENT 245.8D TO 295.8 D; ORIENT 335.8D TO 25.8 D											
	(Visit 05) Warning (Form): Gyro Mode overrides default value of 2G.											
<b>Diagnosics</b>												
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>				<b>Exposures</b>		
	(2)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365				Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false						(1), (2)
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>		<b>Miscellaneous</b>			
	(1)	SDFJ132359.8+272456	RA: 13 23 59.8000 (200.9991667d) Dec: +27 24 56.00 (27.41556d) Equinox: J2000				V=(?) z(AB)=26.4		Reference Frame: ICRS			
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>		<b>Orbit</b>	
	1		(1) SDFJ132359.8+272456	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=SPARS 100; NSAMP=14	GS ACQ SCENARI O SINGLE	Pattern 2, Exps 1-1 (2)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]   [2]	
	<i>Comments: For this target, we are now using F125W instead of F110W.</i>											
	2		(1) SDFJ132359.8+272456	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=SPARS 100; NSAMP=14		Pattern 2, Exps 2-2 (2)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[3]   [4]	

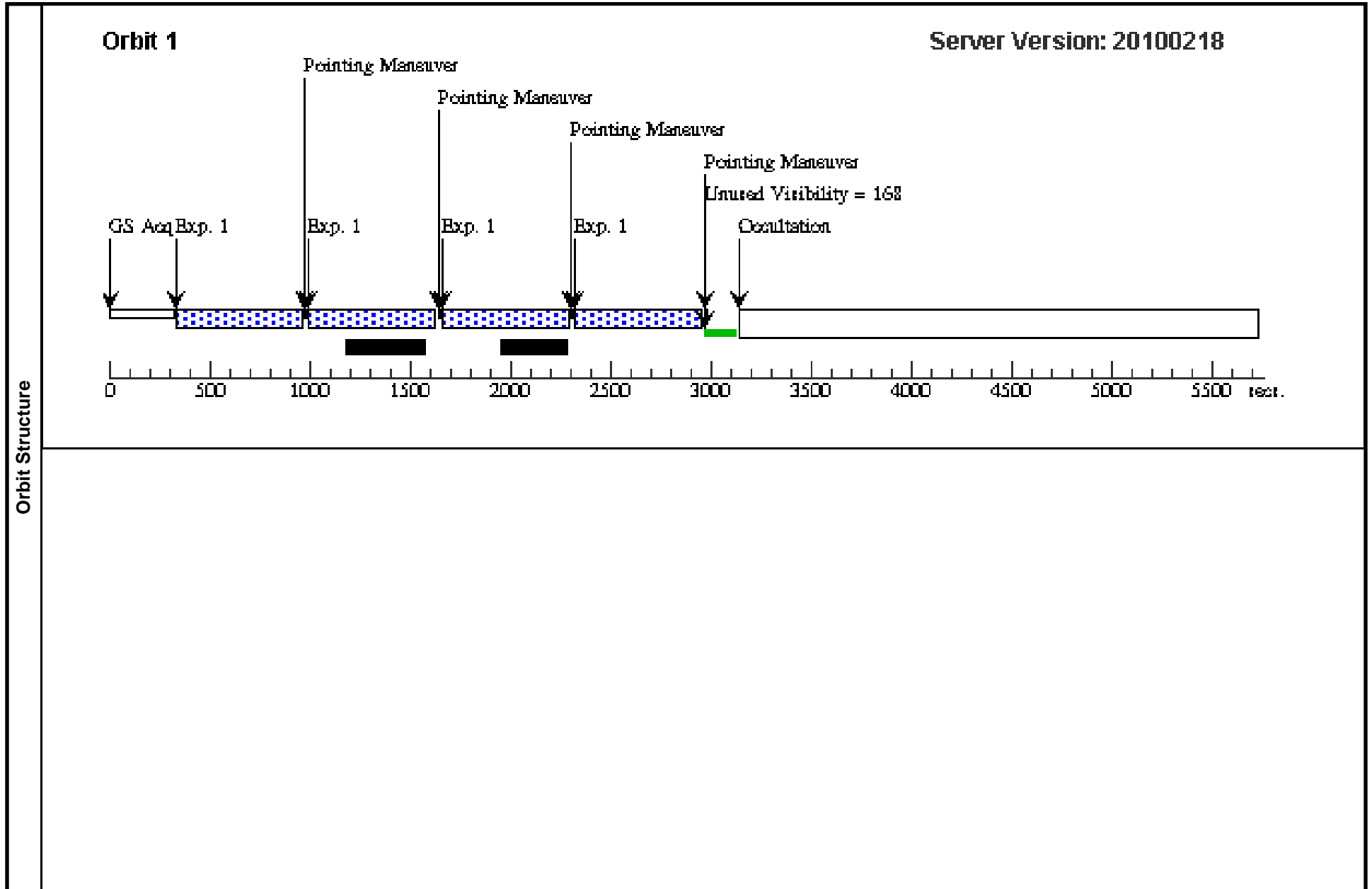


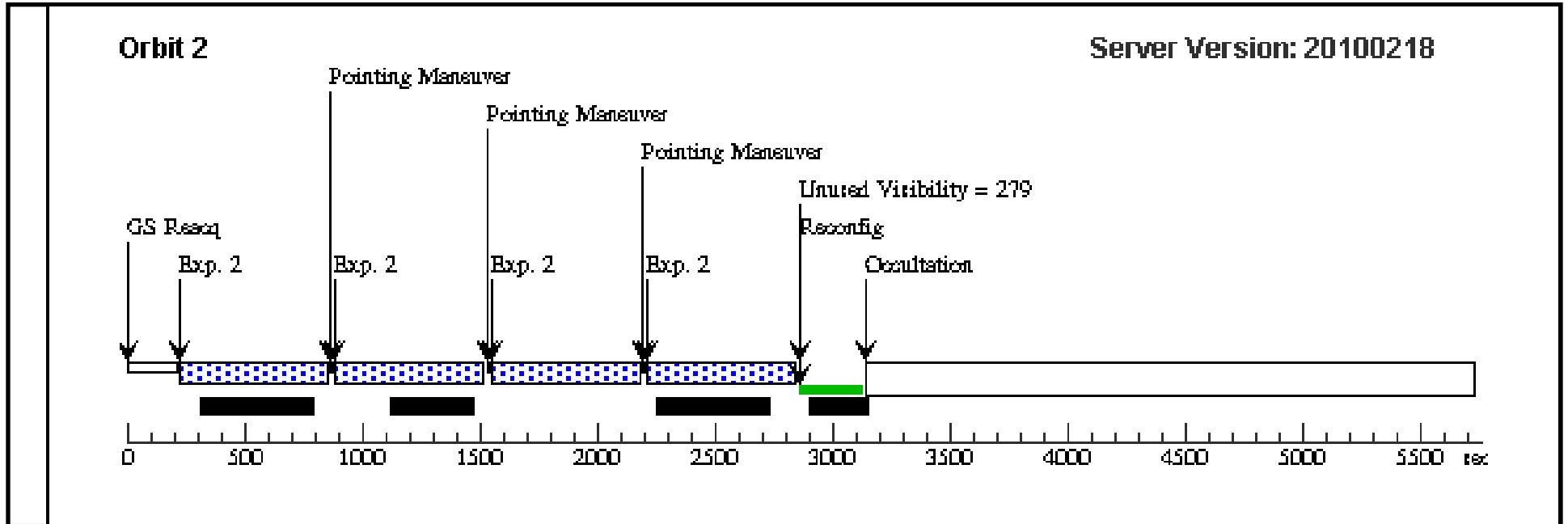


Proposal 11149 - Visit 06 - Characterizing the Stellar Populations in Lyman-Alpha Emitters and Lyman Break Galaxies a...

Thu Mar 11 02:03:07 GMT 2010

<b>Visit</b>	<b>Proposal 11149, Visit 06, scheduling</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: WFC3/IR Special Requirements: PCS MODE FINE; GYRO MODE 3GOBAD									
	(Visit 06) Warning (Form): Gyro Mode overrides default value of 2G.									
<b>Diagnosics</b>										
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			<b>Exposures</b>	
	(2)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365				Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false			(1), (2)	
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>	<b>Miscellaneous</b>		
	(2)	SDFJ132522.3+273520	RA: 13 25 22.3000 (201.3429167d) Dec: +27 35 20.00 (27.58889d) Equinox: J2000				V=? z(AB)=25.57	Reference Frame: ICRS		
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1		(2) SDFJ132522.3+273520	WFC3/IR, MULTIACCUM, IR	F125W	SAMP-SEQ=SPARS 50; NSAMP=13		Pattern 2, Exps 1-1 (2)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	<i>Comments: For this target, we are now using F125W instead of F110W.</i>									
2		(2) SDFJ132522.3+273520	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=SPARS 50; NSAMP=13			Pattern 2, Exps 2-2 (2)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]

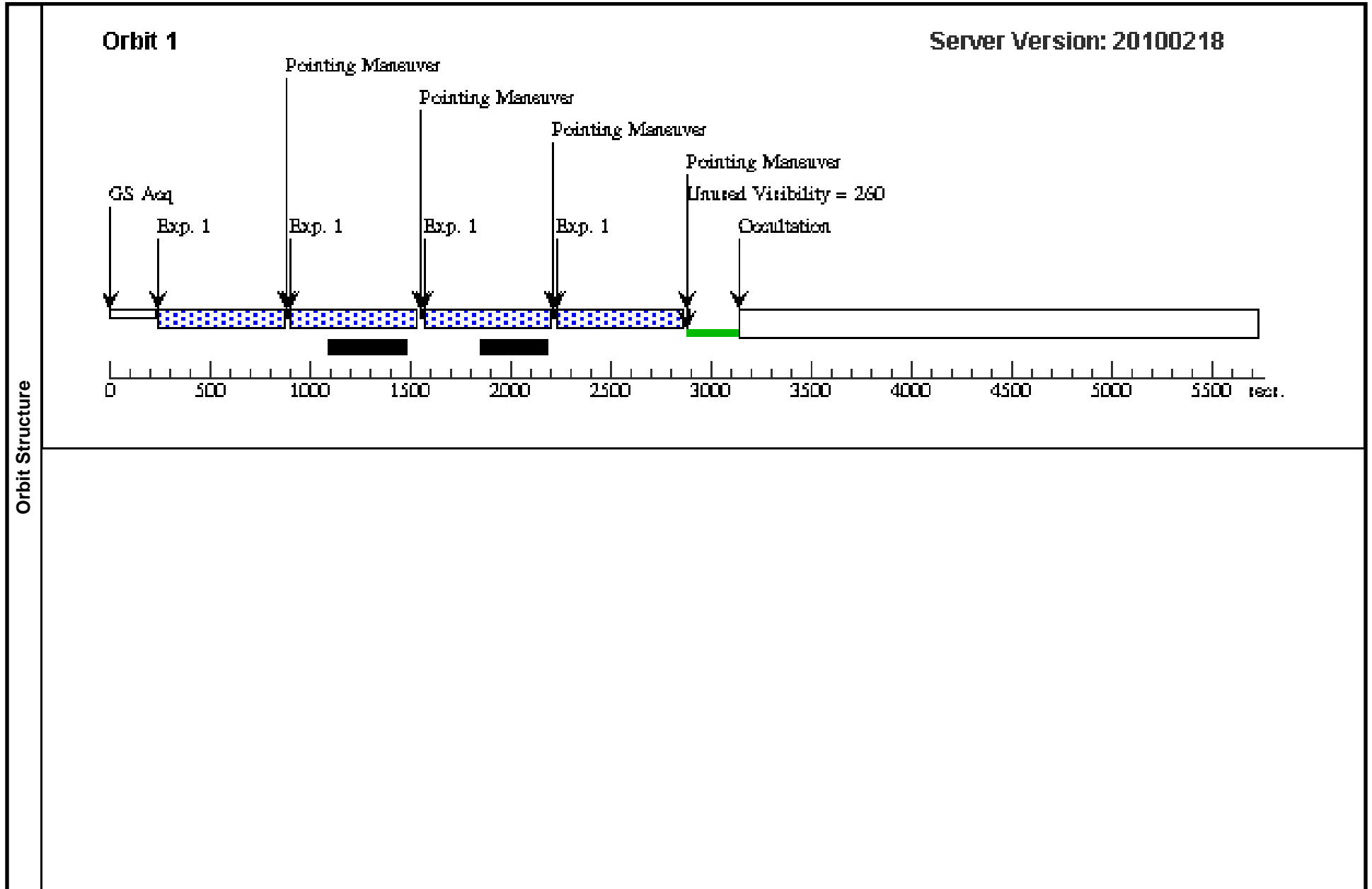


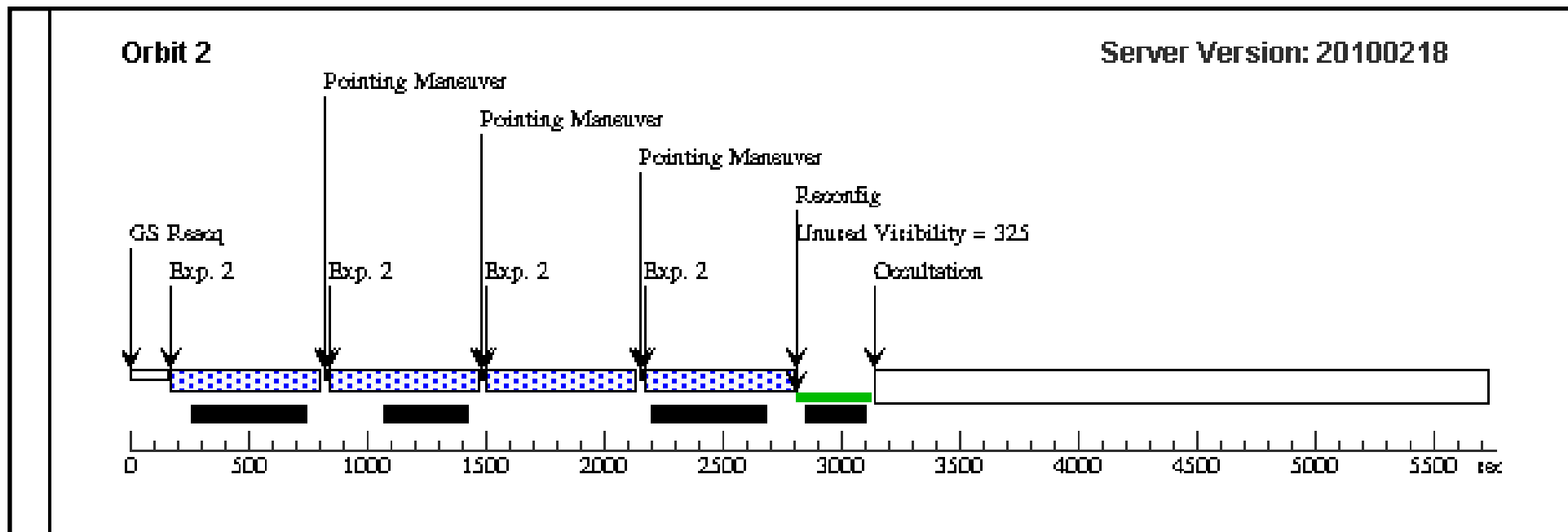


Proposal 11149 - Visit 07 - Characterizing the Stellar Populations in Lyman-Alpha Emitters and Lyman Break Galaxies a...

Thu Mar 11 02:03:08 GMT 2010

<b>Visit</b>	<b>Proposal 11149, Visit 07, scheduling</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: WFC3/IR Special Requirements: PCS MODE FINE; GYRO MODE 3GOBAD										
	(Visit 07) Warning (Form): Gyro Mode overrides default value of 2G.										
<b>Diagnosics</b>											
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>				<b>Exposures</b>	
	(2)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365				Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false				(1), (2)	
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>		<b>Miscellaneous</b>		
	(3)	SDFJ132357.1+272448	RA: 13 23 57.1000 (200.9879167d) Dec: +27 24 48.00 (27.41333d) Equinox: J2000				V=(?) z(AB)=25.17		Reference Frame: ICRS		
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>		<b>Orbit</b>
	1		(3) SDFJ132357.1+272448	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=SPARS 50; NSAMP=13	GS ACQ SCENARI O SINGLE	Pattern 2, Exps 1-1 (2)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]
	<i>Comments: For this target, we are now using F125W instead of F110W.</i>										
2		(3) SDFJ132357.1+272448	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=SPARS 50; NSAMP=13			Pattern 2, Exps 2-2 (2)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[2]



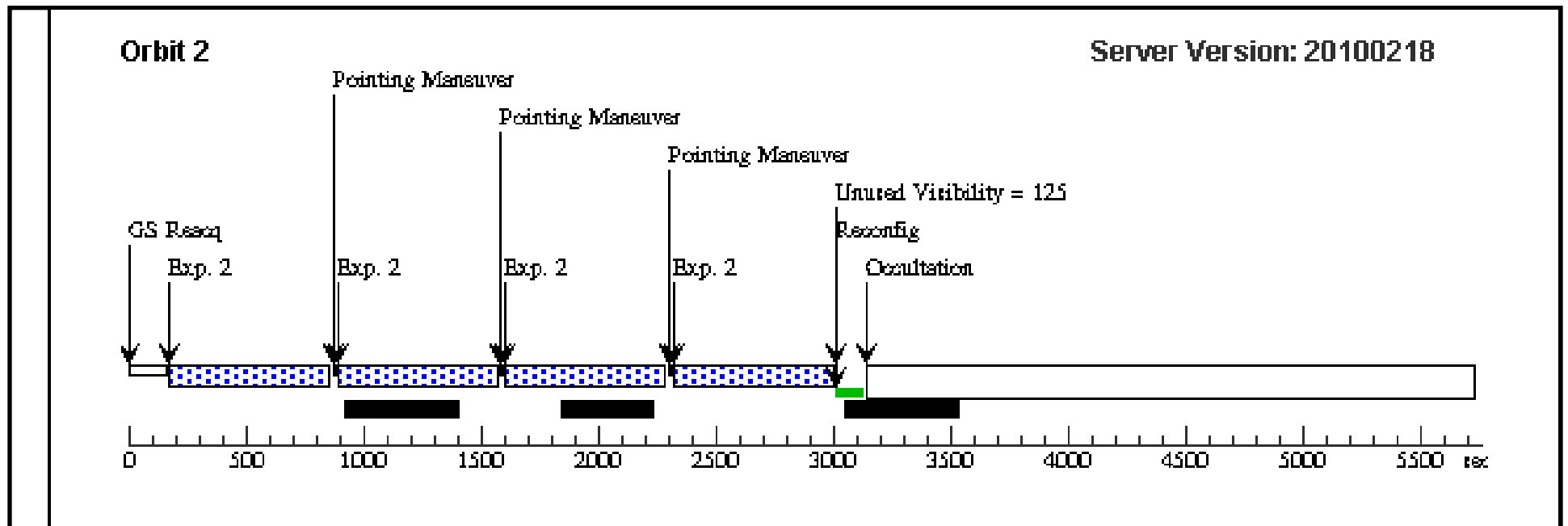


Proposal 11149 - Visit 08 - Characterizing the Stellar Populations in Lyman-Alpha Emitters and Lyman Break Galaxies a...

Thu Mar 11 02:03:08 GMT 2010

<b>Visit</b>	Proposal 11149, Visit 08, scheduling <b>Diagnostic Status: Warning</b> Scientific Instruments: WFC3/IR Special Requirements: PCS MODE FINE; GYRO MODE 3GOBAD									
	<b>Diagnostics</b>	(Visit 08) Warning (Form): Gyro Mode overrides default value of 2G.								
<b>Patterns</b>		<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			
	(2)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365		Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false						(1), (2)
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>		<b>Miscellaneous</b>	
	(4)	SDFJ132518.8+273043	RA: 13 25 18.8000 (201.3283333d) Dec: +27 30 43.00 (27.51194d) Equinox: J2000				V=(?) z(AB)=25.81		Reference Frame: ICRS	
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1		(4) SDFJ132518.8+273043	WFC3/IR, MULTIACCUM, IR	F125W	SAMP-SEQ=SPARS 50; NSAMP=14	GS ACQ SCENARI O SINGLE	Pattern 2, Exps 1-1 (2)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	<i>Comments: For this target, we are now using F125W instead of F110W.</i>									
2		(4) SDFJ132518.8+273043	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=SPARS 50; NSAMP=14			Pattern 2, Exps 2-2 (2)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]

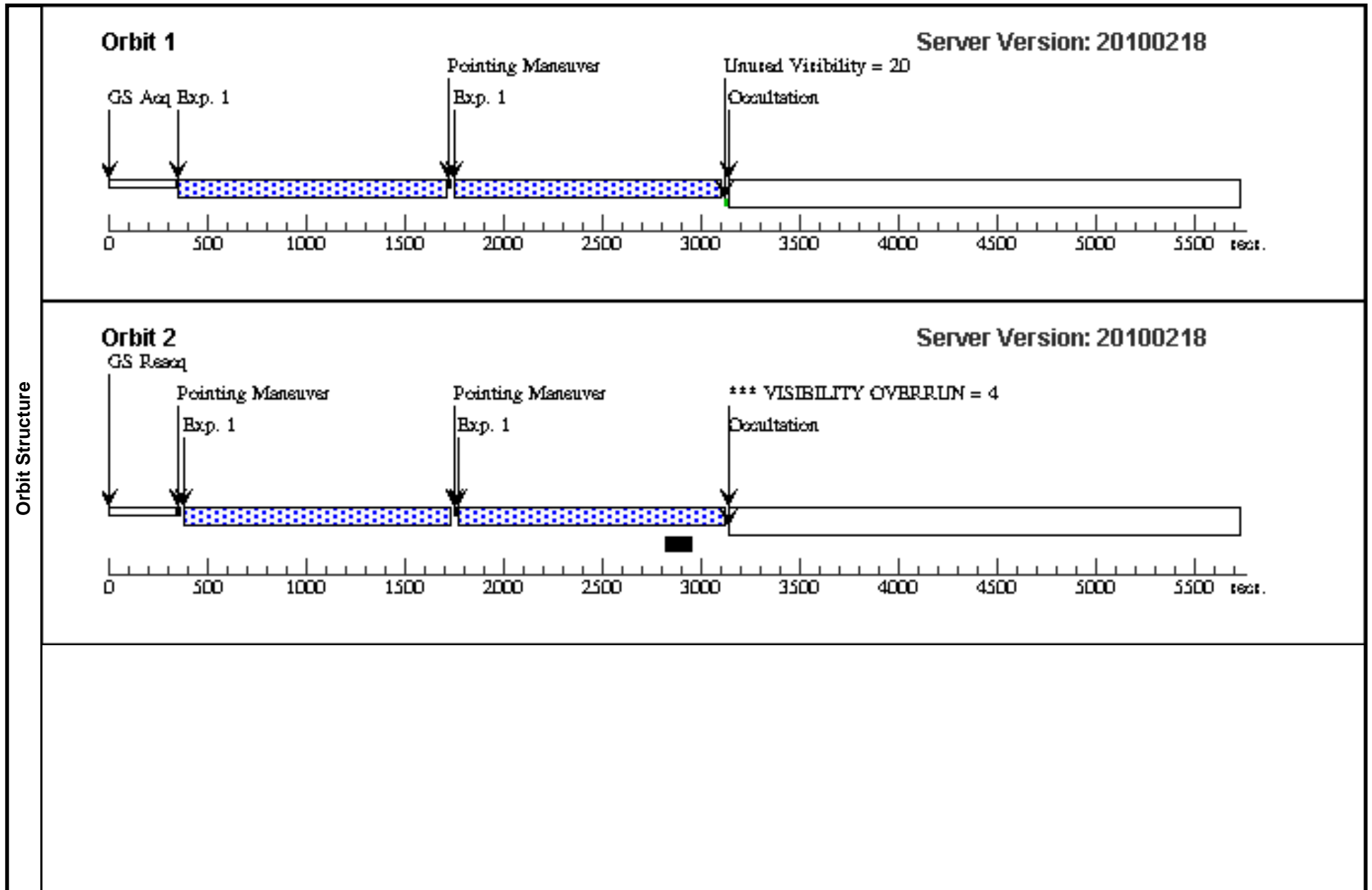


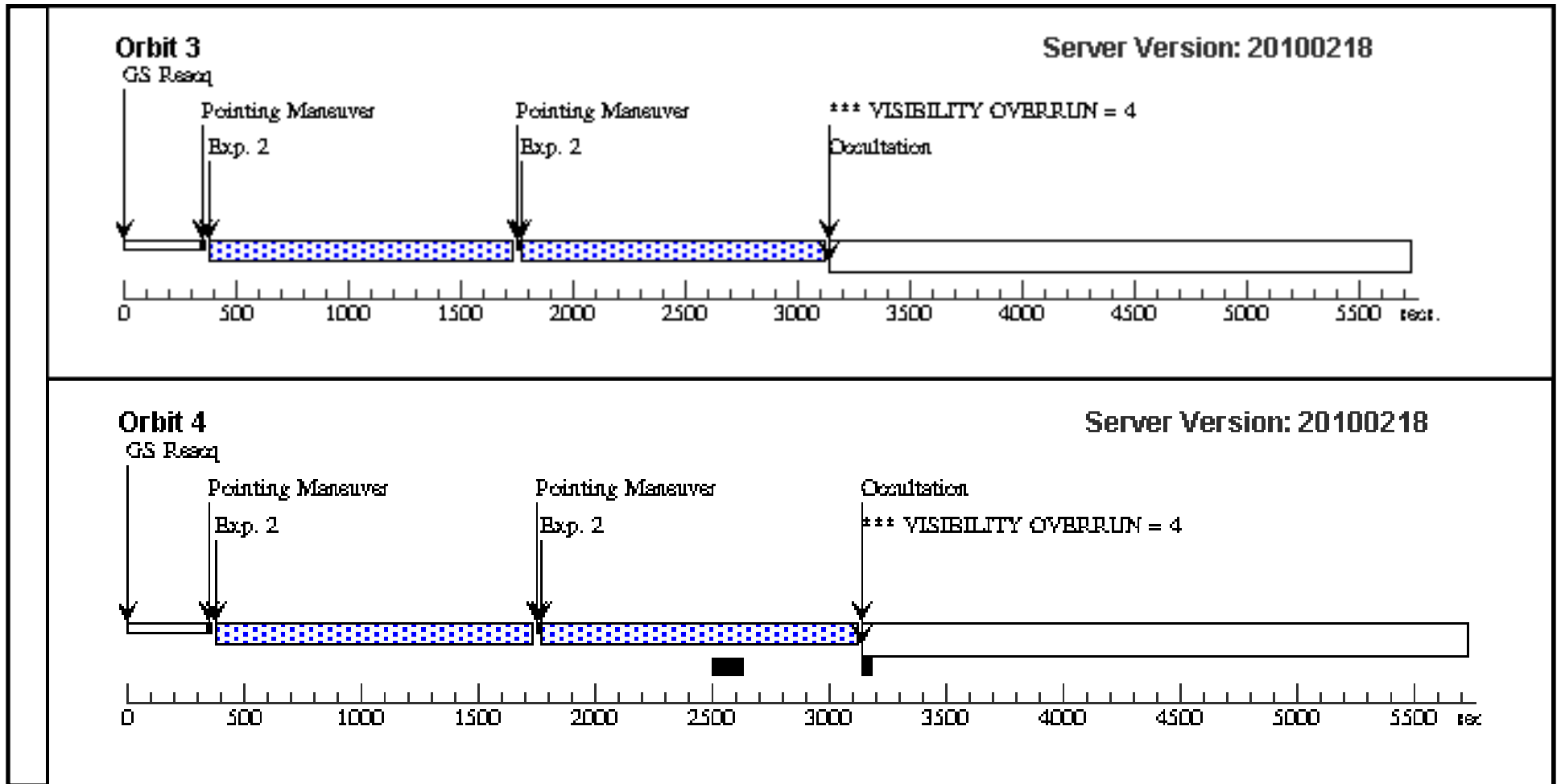


Proposal 11149 - Visit 09 - Characterizing the Stellar Populations in Lyman-Alpha Emitters and Lyman Break Galaxies a...

Thu Mar 11 02:03:08 GMT 2010

<b>Visit</b>	<b>Proposal 11149, Visit 09, completed</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: NIC3 Special Requirements: PCS MODE FINE									
	<b>Diagnosics</b> (Visit 09) Warning (Orbit Planner): VISIBILITY OVERRUN (Visit 09) Warning (Orbit Planner): VISIBILITY OVERRUN (Visit 09) Warning (Orbit Planner): VISIBILITY OVERRUN									
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>		<b>Secondary Pattern</b>	<b>Exposures</b>					
	(1)	Pattern Type=NIC-SPIRAL-DITH Purpose=DITHER Number Of Points=4 Point Spacing=5.0 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=22.5 Angle Between Sides= Center Pattern=false		(1), (2)					
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(6)	SDFJ132410.8+271928	RA: 13 24 10.8000 (201.0450000d) Dec: +27 19 28.00 (27.32444d) Equinox: J2000		V=(?) z(AB)=25.13	Reference Frame: ICRS				
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1	(6) SDFJ132410.8+271928	(6) SDFJ132410.8+271928	NIC3, MULTIACCUM, NIC3	F110W	SAMP-SEQ=SPARS 64; NSAMP=23		Pattern 1, Exps 1-1 (1)	[==>(Pattern 1)]	[1]
									[==>(Pattern 2)]	[2]
									[==>(Pattern 3)]	[2]
									[==>(Pattern 4)]	[2]
	2	(6) SDFJ132410.8+271928	(6) SDFJ132410.8+271928	NIC3, MULTIACCUM, NIC3	F160W	SAMP-SEQ=SPARS 64; NSAMP=23		Pattern 1, Exps 2-2 (1)	[==>(Pattern 1)]	[3]
								[==>(Pattern 2)]	[3]	
								[==>(Pattern 3)]	[4]	
								[==>(Pattern 4)]	[4]	

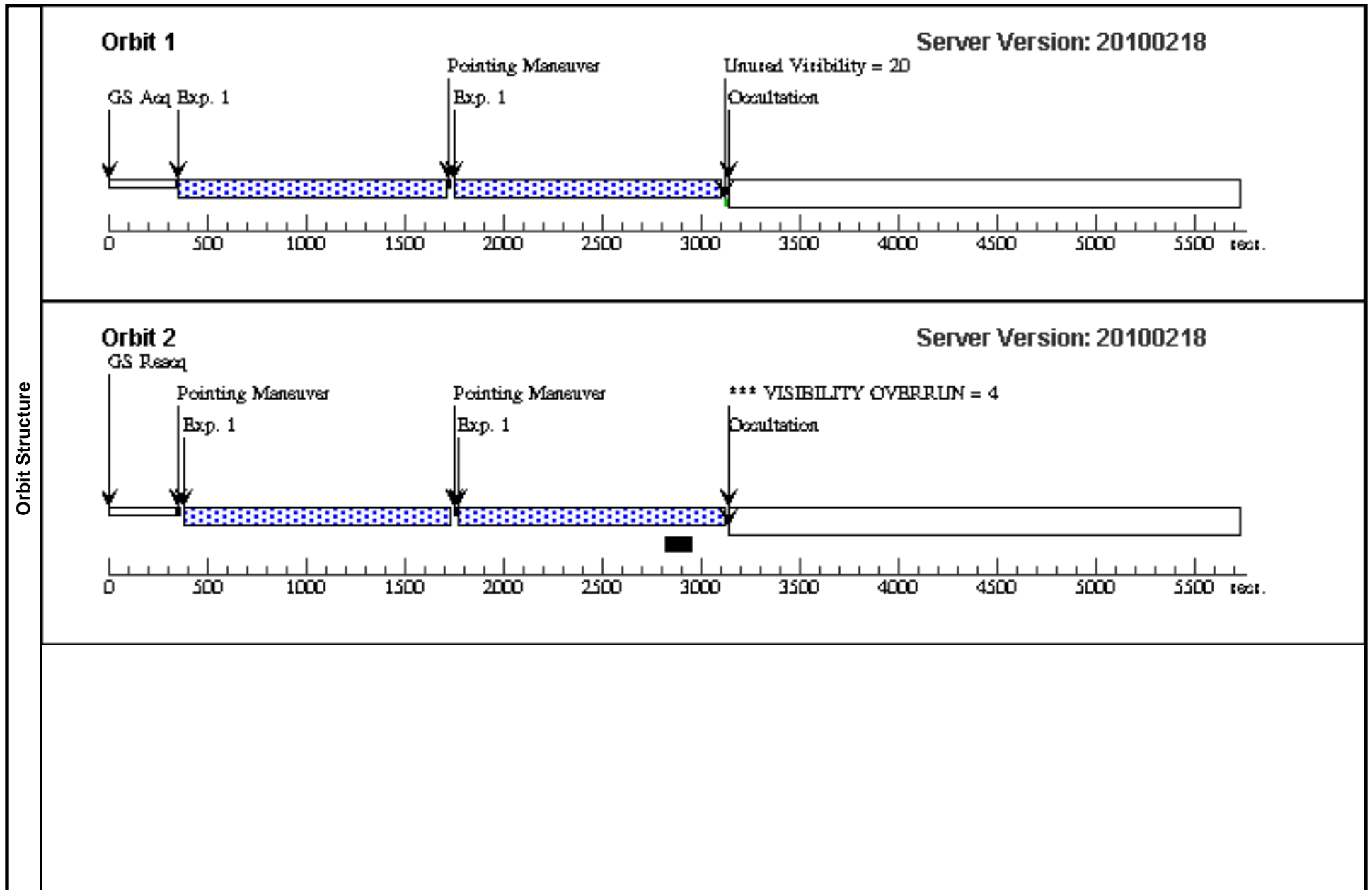


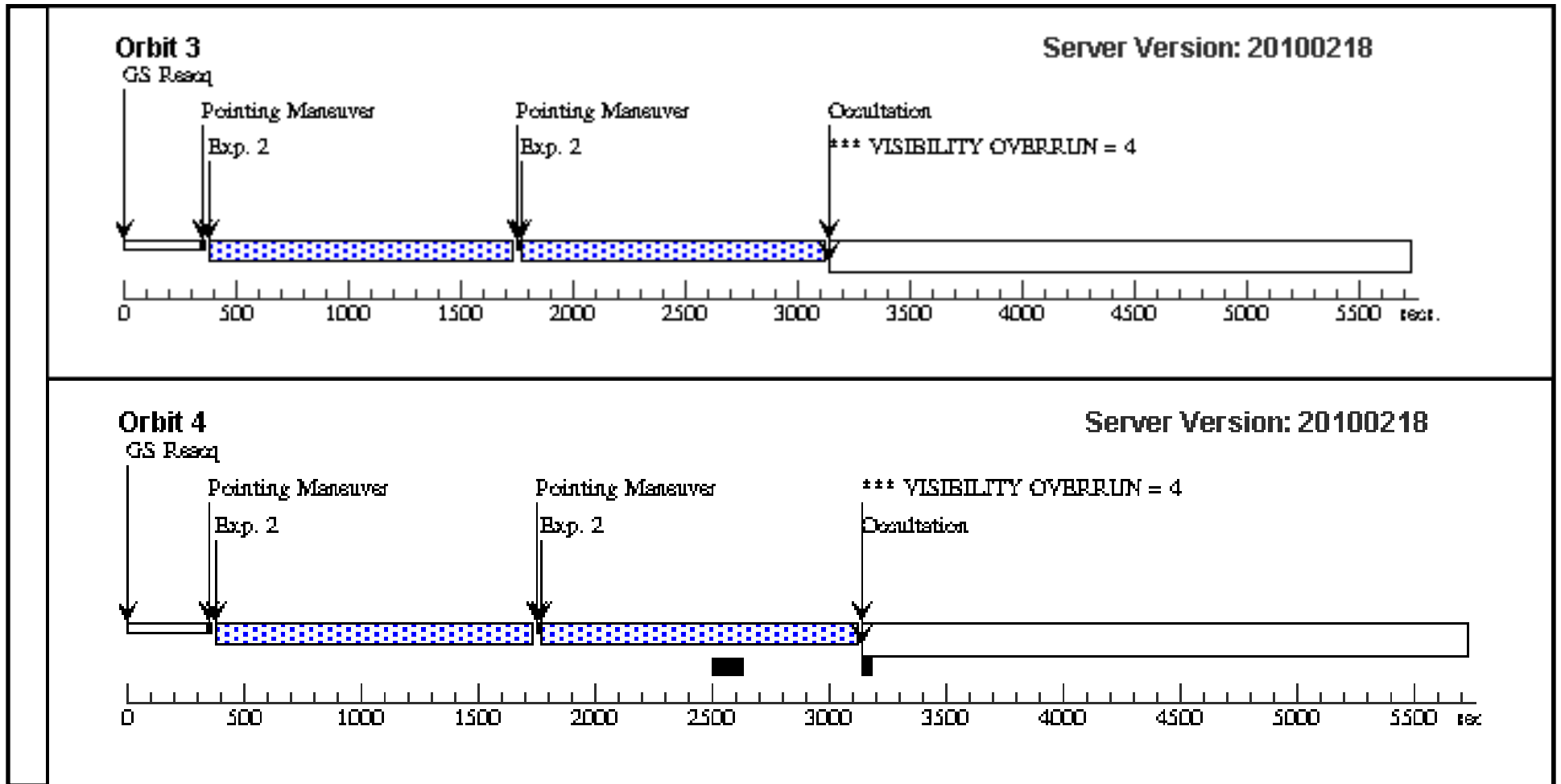


Proposal 11149 - Visit 10 - Characterizing the Stellar Populations in Lyman-Alpha Emitters and Lyman Break Galaxies a...

Thu Mar 11 02:03:09 GMT 2010

<b>Visit</b>	<b>Proposal 11149, Visit 10, completed</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: NIC3 Special Requirements: PCS MODE FINE									
	<b>Diagnosics</b> (Visit 10) Warning (Orbit Planner): VISIBILITY OVERRUN (Visit 10) Warning (Orbit Planner): VISIBILITY OVERRUN (Visit 10) Warning (Orbit Planner): VISIBILITY OVERRUN									
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>		<b>Secondary Pattern</b>	<b>Exposures</b>					
	(1)	Pattern Type=NIC-SPIRAL-DITH Purpose=DITHER Number Of Points=4 Point Spacing=5.0 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=22.5 Angle Between Sides= Center Pattern=false		(1), (2)					
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(8)	SDFJ132353.1+271631	RA: 13 23 53.1000 (200.9712500d) Dec: +27 16 31.00 (27.27528d) Equinox: J2000		V=(?) z(AB)=25.57	Reference Frame: ICRS				
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1		(8) SDFJ132353.1+271631	NIC3, MULTIACCUM, NIC3	F110W	SAMP-SEQ=SPARS 64; NSAMP=23		Pattern 1, Exps 1-1 (1)	[==>(Pattern 1)]	[1]
									[==>(Pattern 2)]	[2]
									[==>(Pattern 3)]	[2]
									[==>(Pattern 4)]	[2]
	2		(8) SDFJ132353.1+271631	NIC3, MULTIACCUM, NIC3	F160W	SAMP-SEQ=SPARS 64; NSAMP=23			Pattern 1, Exps 2-2 (1)	[==>(Pattern 1)]
								[==>(Pattern 2)]	[3]	
								[==>(Pattern 3)]	[4]	
								[==>(Pattern 4)]	[4]	

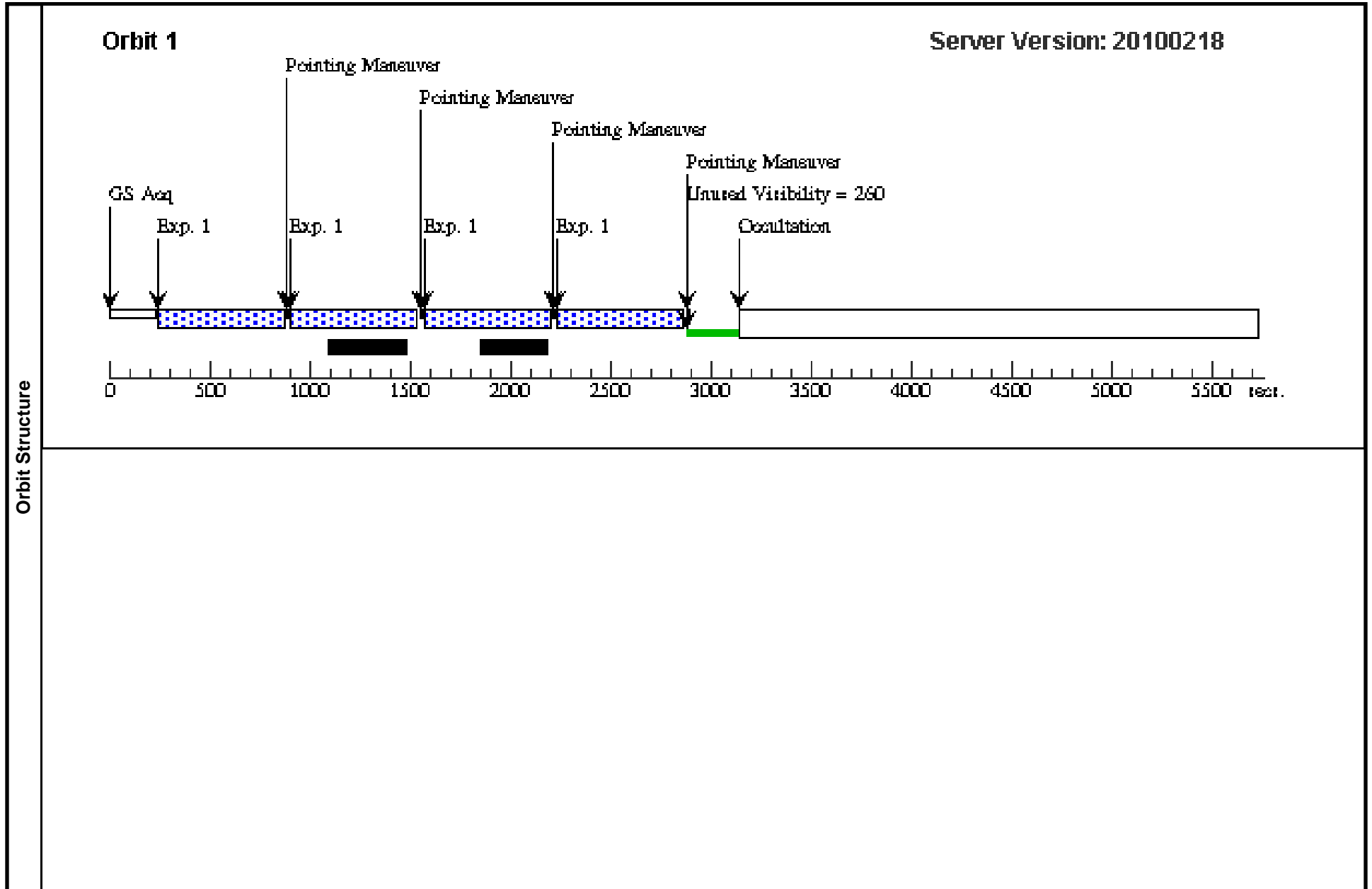


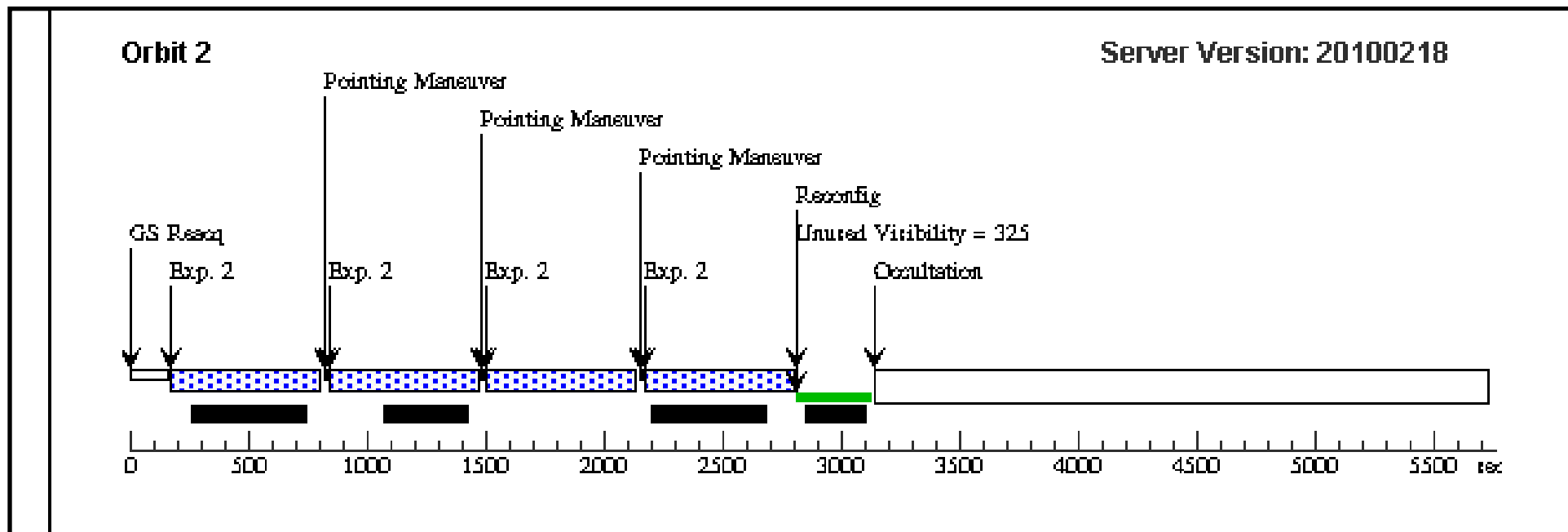


Proposal 11149 - Visit 11 - Characterizing the Stellar Populations in Lyman-Alpha Emitters and Lyman Break Galaxies a...

Thu Mar 11 02:03:10 GMT 2010

<b>Visit</b>	<b>Proposal 11149, Visit 11, implementation</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: WFC3/IR Special Requirements: PCS MODE FINE; GYRO MODE 3GOBAD									
	(Visit 11) Warning (Form): Gyro Mode overrides default value of 2G.									
<b>Diagnosics</b>										
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			<b>Exposures</b>	
	(2)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365		Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false					(1), (2)	
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>	<b>Miscellaneous</b>		
	(9)	SDFJ132440.6+273607	RA: 13 24 40.6000 (201.1691667d) Dec: +27 36 7.00 (27.60194d) Equinox: J2000				V=(?) z(AB)=25.66	Reference Frame: ICRS		
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1		(9) SDFJ132440.6+273607	WFC3/IR, MULTIACCUM, IR	F125W	SAMP-SEQ=SPARS 50; NSAMP=13	GS ACQ SCENARI O SINGLE	Pattern 2, Exps 1-1 (2)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	<i>Comments: For this target, we are now using F125W instead of F110W.</i>									
2		(9) SDFJ132440.6+273607	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=SPARS 50; NSAMP=13			Pattern 2, Exps 2-2 (2)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]

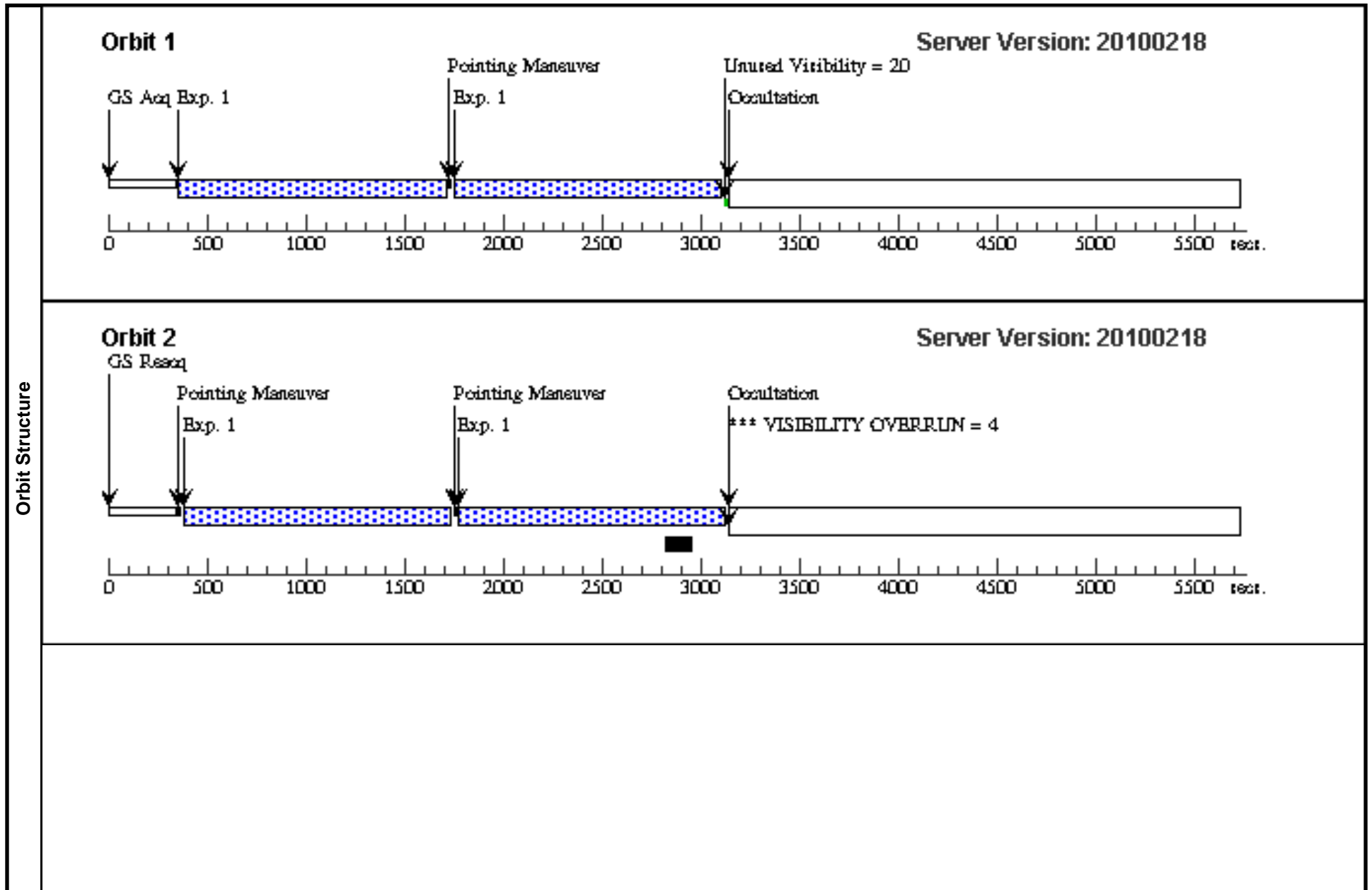


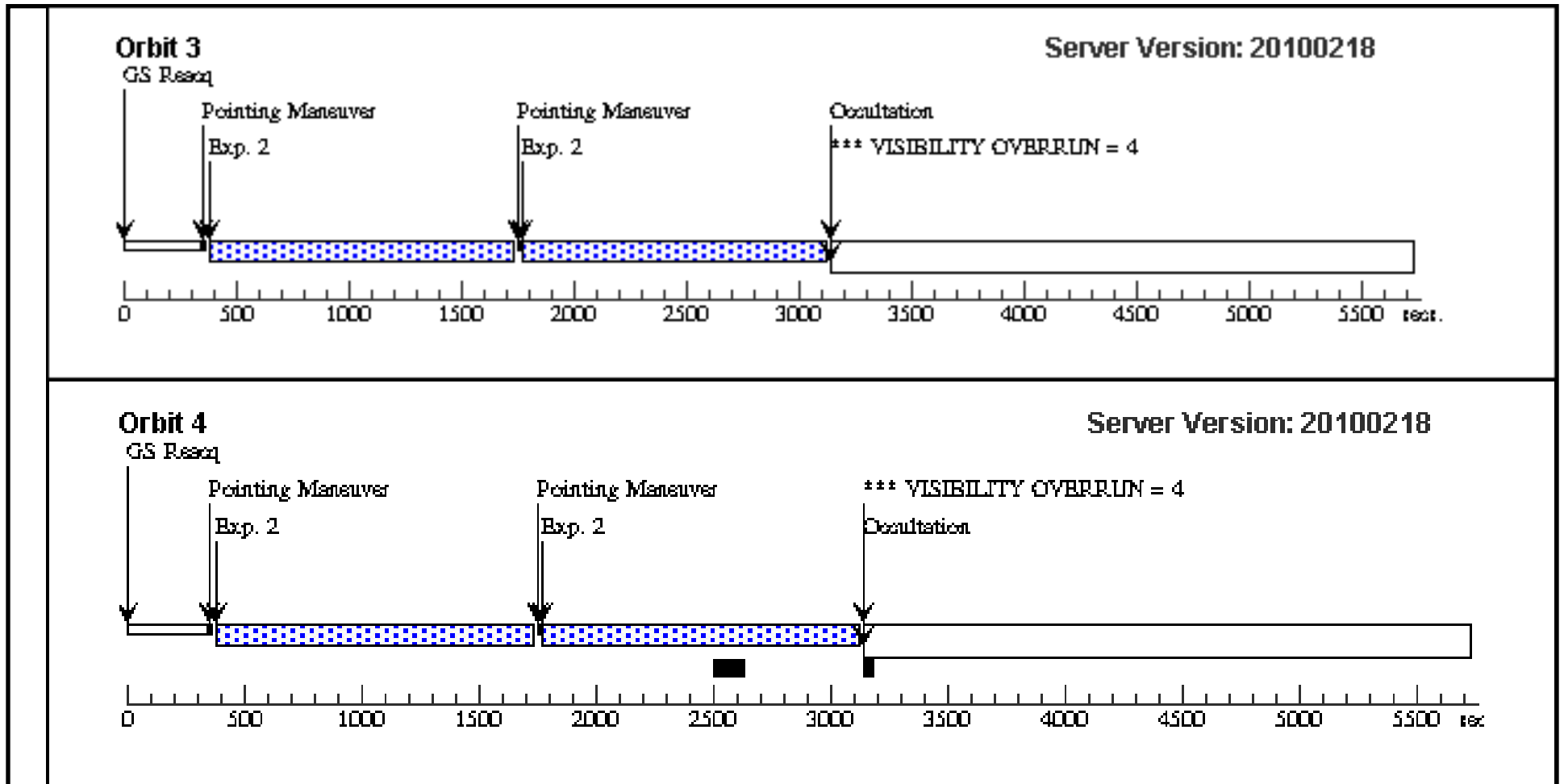


Proposal 11149 - Visit 12 - Characterizing the Stellar Populations in Lyman-Alpha Emitters and Lyman Break Galaxies a...

Thu Mar 11 02:03:10 GMT 2010

<b>Visit</b>	<b>Proposal 11149, Visit 12, completed</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: NIC3 Special Requirements: PCS MODE FINE									
	<b>Diagnosics</b> (Visit 12) Warning (Orbit Planner): VISIBILITY OVERRUN (Visit 12) Warning (Orbit Planner): VISIBILITY OVERRUN (Visit 12) Warning (Orbit Planner): VISIBILITY OVERRUN									
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>		<b>Secondary Pattern</b>	<b>Exposures</b>					
	(1)	Pattern Type=NIC-SPIRAL-DITH Purpose=DITHER Number Of Points=4 Point Spacing=5.0 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=22.5 Angle Between Sides= Center Pattern=false		(1), (2)					
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(10)	SDFJ132345.6+271701	RA: 13 23 45.6000 (200.9400000d) Dec: +27 17 1.00 (27.28361d) Equinox: J2000		V=(?) z(AB)=25.24	Reference Frame: ICRS				
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1	(10) SDFJ132345.6+271701	NIC3, MULTIACCUM, NIC3	F110W	SAMP-SEQ=SPARS 64; NSAMP=23			Pattern 1, Exps 1-1 (1)	[==>(Pattern 1)]	[1]
									[==>(Pattern 2)]	[2]
									[==>(Pattern 3)]	
									[==>(Pattern 4)]	
	2	(10) SDFJ132345.6+271701	NIC3, MULTIACCUM, NIC3	F160W	SAMP-SEQ=SPARS 64; NSAMP=23				Pattern 1, Exps 2-2 (1)	[==>(Pattern 1)]
								[==>(Pattern 2)]	[4]	
								[==>(Pattern 3)]		
								[==>(Pattern 4)]		

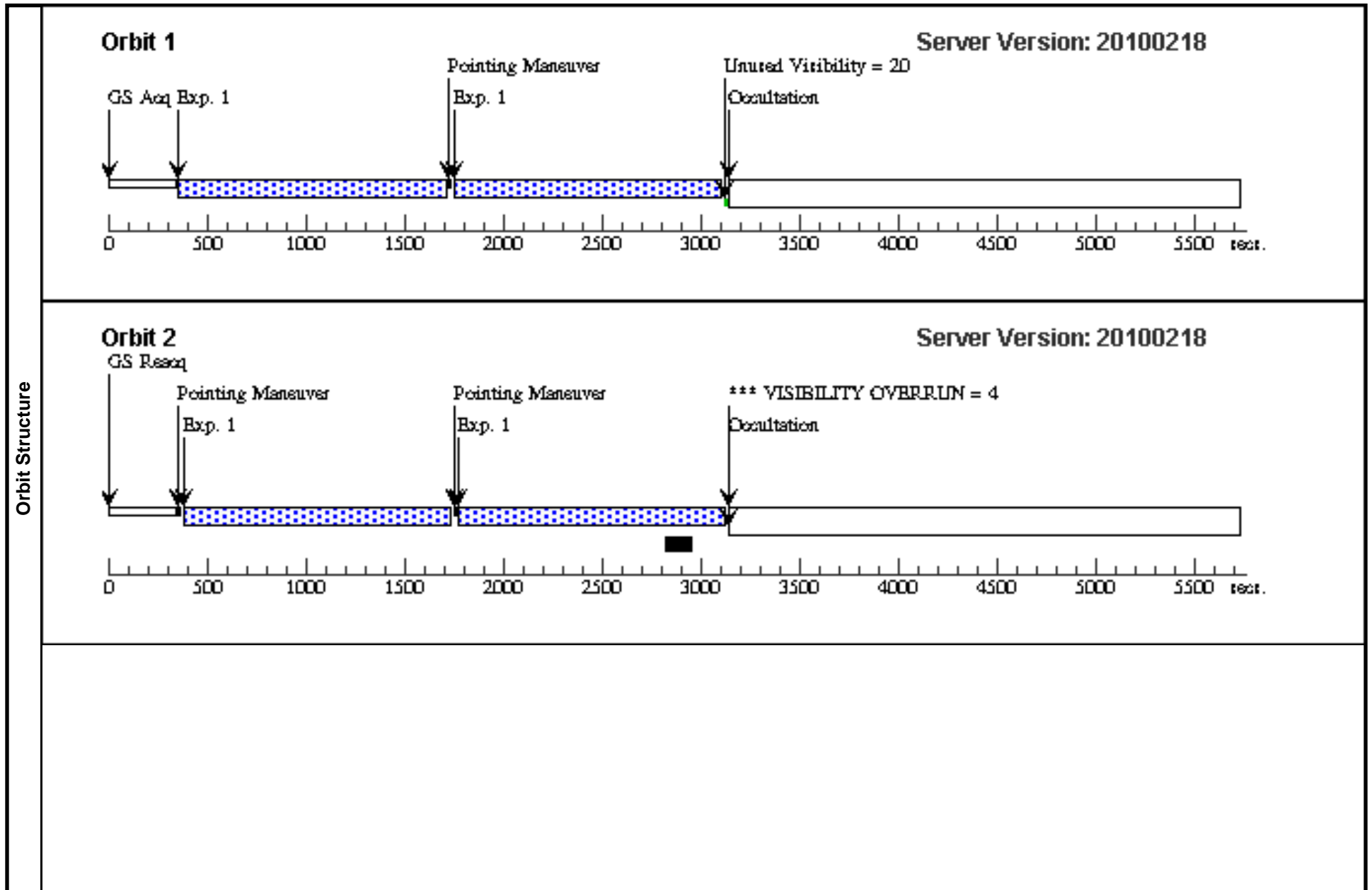


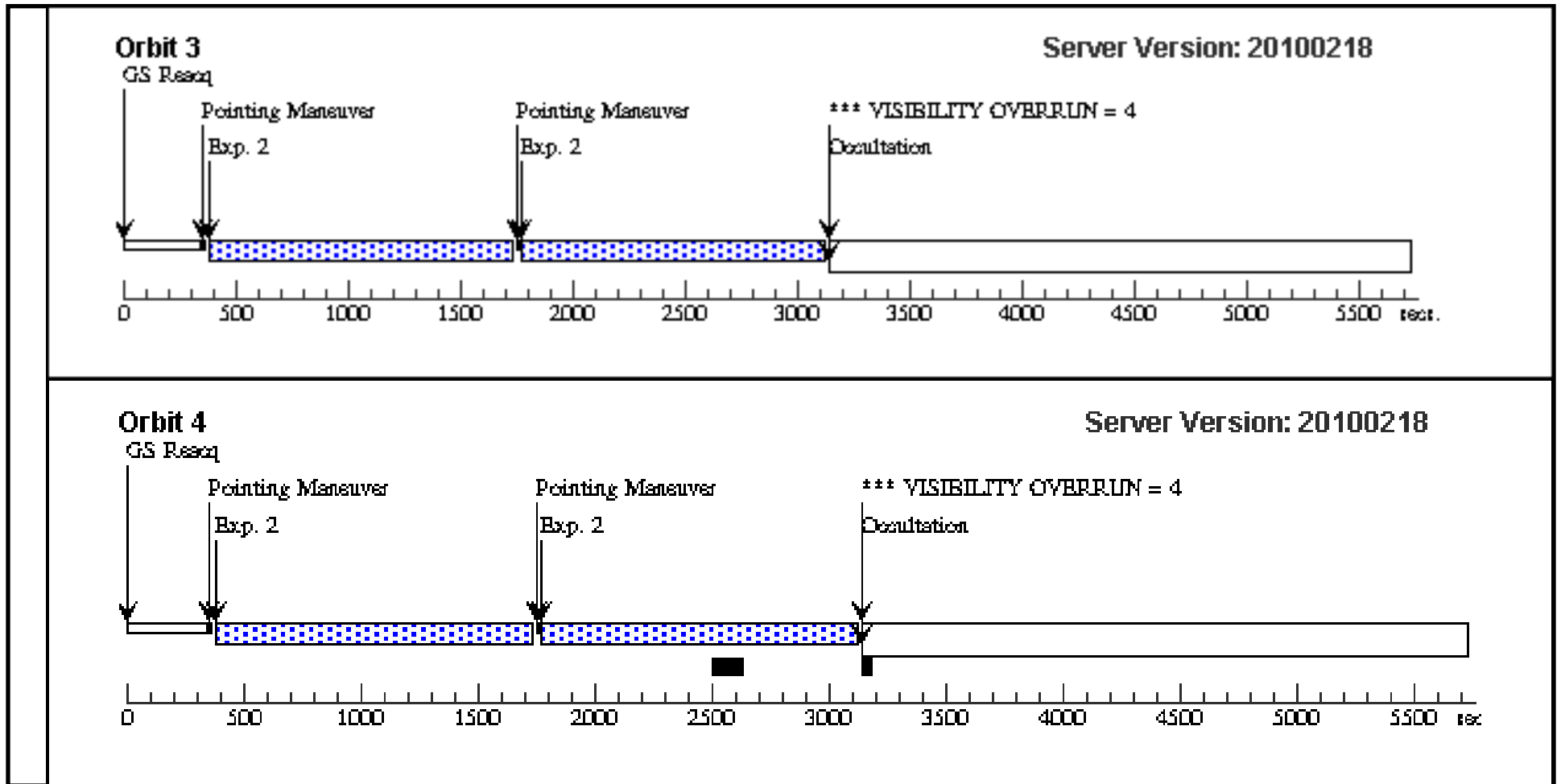


Proposal 11149 - Visit 13 - Characterizing the Stellar Populations in Lyman-Alpha Emitters and Lyman Break Galaxies a...

Thu Mar 11 02:03:11 GMT 2010

<b>Visit</b>	<b>Proposal 11149, Visit 13, completed</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: NIC3 Special Requirements: PCS MODE FINE									
	<b>Diagnosics</b> (Visit 13) Warning (Orbit Planner): VISIBILITY OVERRUN (Visit 13) Warning (Orbit Planner): VISIBILITY OVERRUN (Visit 13) Warning (Orbit Planner): VISIBILITY OVERRUN									
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>		<b>Secondary Pattern</b>	<b>Exposures</b>					
	(1)	Pattern Type=NIC-SPIRAL-DITH Purpose=DITHER Number Of Points=4 Point Spacing=5.0 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=22.5 Angle Between Sides= Center Pattern=false		(1), (2)					
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(11)	SDFJ132400.3+273238	RA: 13 24 0.3000 (201.0012500d) Dec: +27 32 38.00 (27.54389d) Equinox: J2000		V=(?) z(AB)=25.88	Reference Frame: ICRS				
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1	(11) SDFJ132400.3+273238	(11) SDFJ132400.3+273238	NIC3, MULTIACCUM, NIC3	F110W	SAMP-SEQ=SPARS 64; NSAMP=23		Pattern 1, Exps 1-1 (1)	[==>(Pattern 1)]	[1]
									[==>(Pattern 2)]	[2]
									[==>(Pattern 3)]	[2]
									[==>(Pattern 4)]	[2]
	2	(11) SDFJ132400.3+273238	(11) SDFJ132400.3+273238	NIC3, MULTIACCUM, NIC3	F160W	SAMP-SEQ=SPARS 64; NSAMP=23		Pattern 1, Exps 2-2 (1)	[==>(Pattern 1)]	[3]
								[==>(Pattern 2)]	[3]	
								[==>(Pattern 3)]	[4]	
								[==>(Pattern 4)]	[4]	

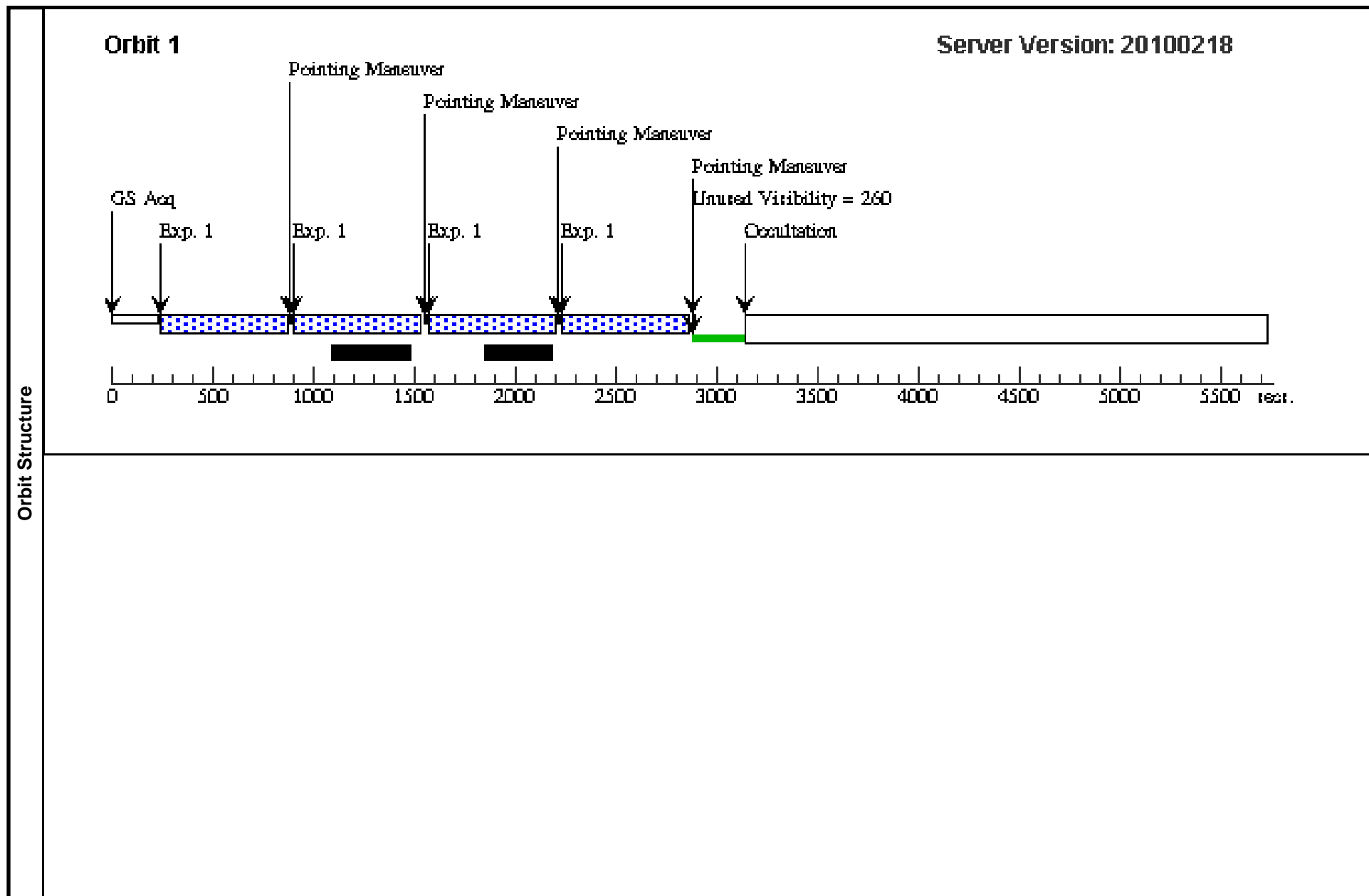


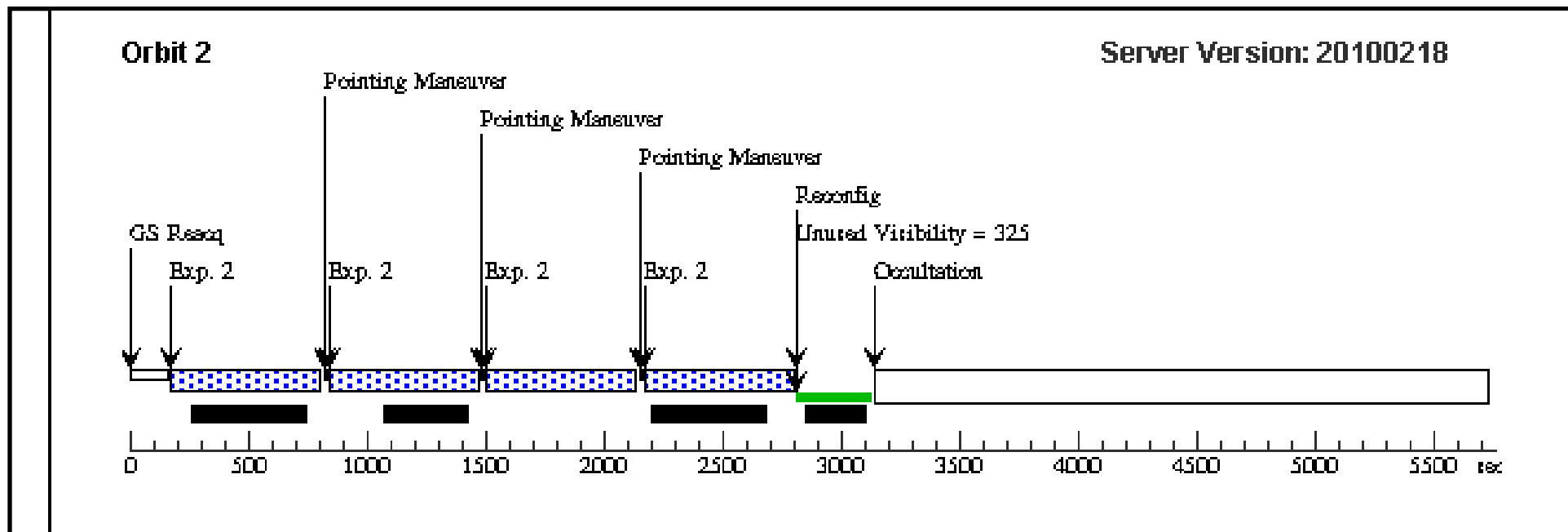


Proposal 11149 - Visit 14 - Characterizing the Stellar Populations in Lyman-Alpha Emitters and Lyman Break Galaxies a...

Thu Mar 11 02:03:11 GMT 2010

<b>Visit</b>	Proposal 11149, Visit 14, completed <b>Diagnostic Status: Warning</b> Scientific Instruments: WFC3/IR Special Requirements: PCS MODE FINE; GYRO MODE 3GOBAD									
	(Visit 14) Warning (Form): Gyro Mode overrides default value of 2G.									
<b>Diagnosics</b>										
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			<b>Exposures</b>	
	(2)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365		Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false					(1), (2)	
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>	<b>Miscellaneous</b>		
	(12)	SDFJ132442.5+272423	RA: 13 24 42.5000 (201.1770833d) Dec: +27 24 23.00 (27.40639d) Equinox: J2000				V=? z(AB)=25.74	Reference Frame: ICRS		
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1		(12) SDFJ132442.5+272423	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=SPARS 50; NSAMP=13	GS ACQ SCENARI O SINGLE	Pattern 2, Exps 1-1 (2)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2		(12) SDFJ132442.5+272423	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=SPARS 50; NSAMP=13		Pattern 2, Exps 2-2 (2)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]

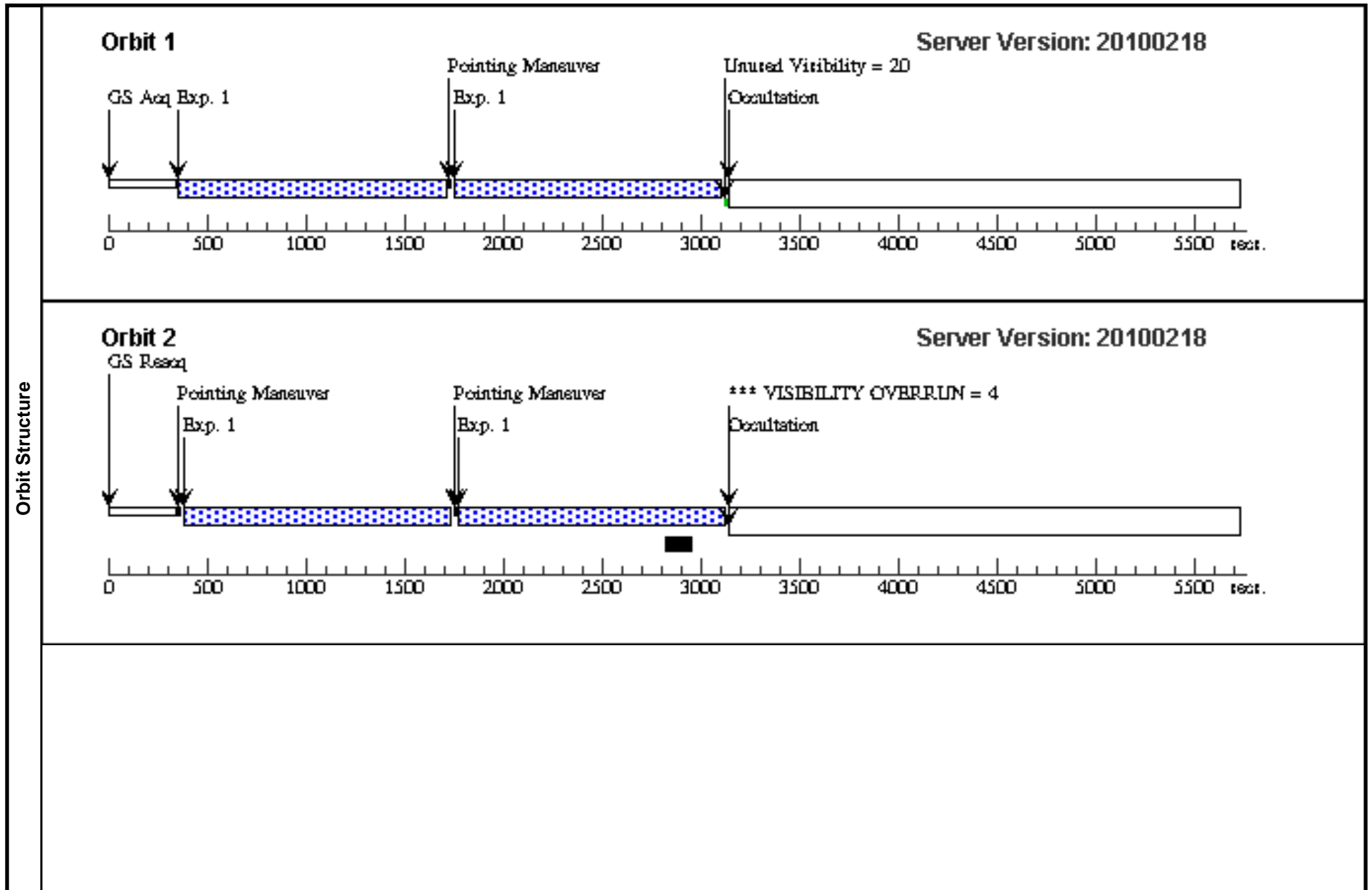


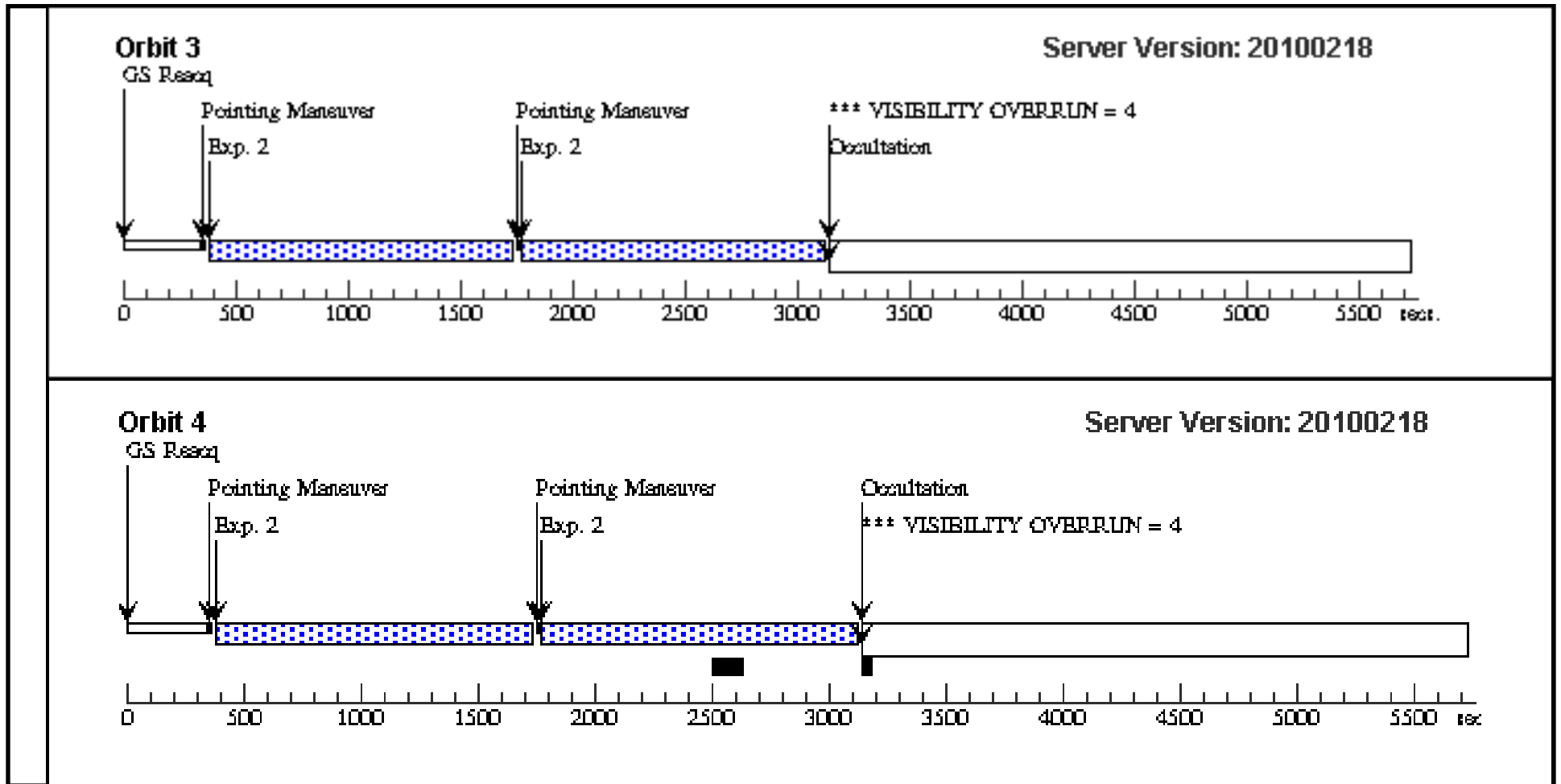


Proposal 11149 - Visit 15 - Characterizing the Stellar Populations in Lyman-Alpha Emitters and Lyman Break Galaxies a...

Thu Mar 11 02:03:12 GMT 2010

<b>Visit</b>	<b>Proposal 11149, Visit 15, completed</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: NIC3 Special Requirements: PCS MODE FINE									
	<b>Diagnosics</b> (Visit 15) Warning (Orbit Planner): VISIBILITY OVERRUN (Visit 15) Warning (Orbit Planner): VISIBILITY OVERRUN (Visit 15) Warning (Orbit Planner): VISIBILITY OVERRUN									
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>		<b>Secondary Pattern</b>	<b>Exposures</b>					
	(1)	Pattern Type=NIC-SPIRAL-DITH Purpose=DITHER Number Of Points=4 Point Spacing=5.0 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=22.5 Angle Between Sides= Center Pattern=false		(1), (2)					
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(13)	SDFJ132426.5+271600	RA: 13 24 26.5000 (201.1104167d) Dec: +27 16 0.00 (27.26667d) Equinox: J2000		V=(?) z(AB)=25.36	Reference Frame: ICRS				
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1	(13) SDFJ132426.5+271600	(13) SDFJ132426.5+271600	NIC3, MULTIACCUM, NIC3	F110W	SAMP-SEQ=SPARS 64; NSAMP=23		Pattern 1, Exps 1-1 (1)	[==>(Pattern 1)]	[1]
									[==>(Pattern 2)]	[2]
									[==>(Pattern 3)]	[2]
									[==>(Pattern 4)]	[2]
	2	(13) SDFJ132426.5+271600	(13) SDFJ132426.5+271600	NIC3, MULTIACCUM, NIC3	F160W	SAMP-SEQ=SPARS 64; NSAMP=23			Pattern 1, Exps 2-2 (1)	[==>(Pattern 1)]
								[==>(Pattern 2)]	[3]	
								[==>(Pattern 3)]	[4]	
								[==>(Pattern 4)]	[4]	

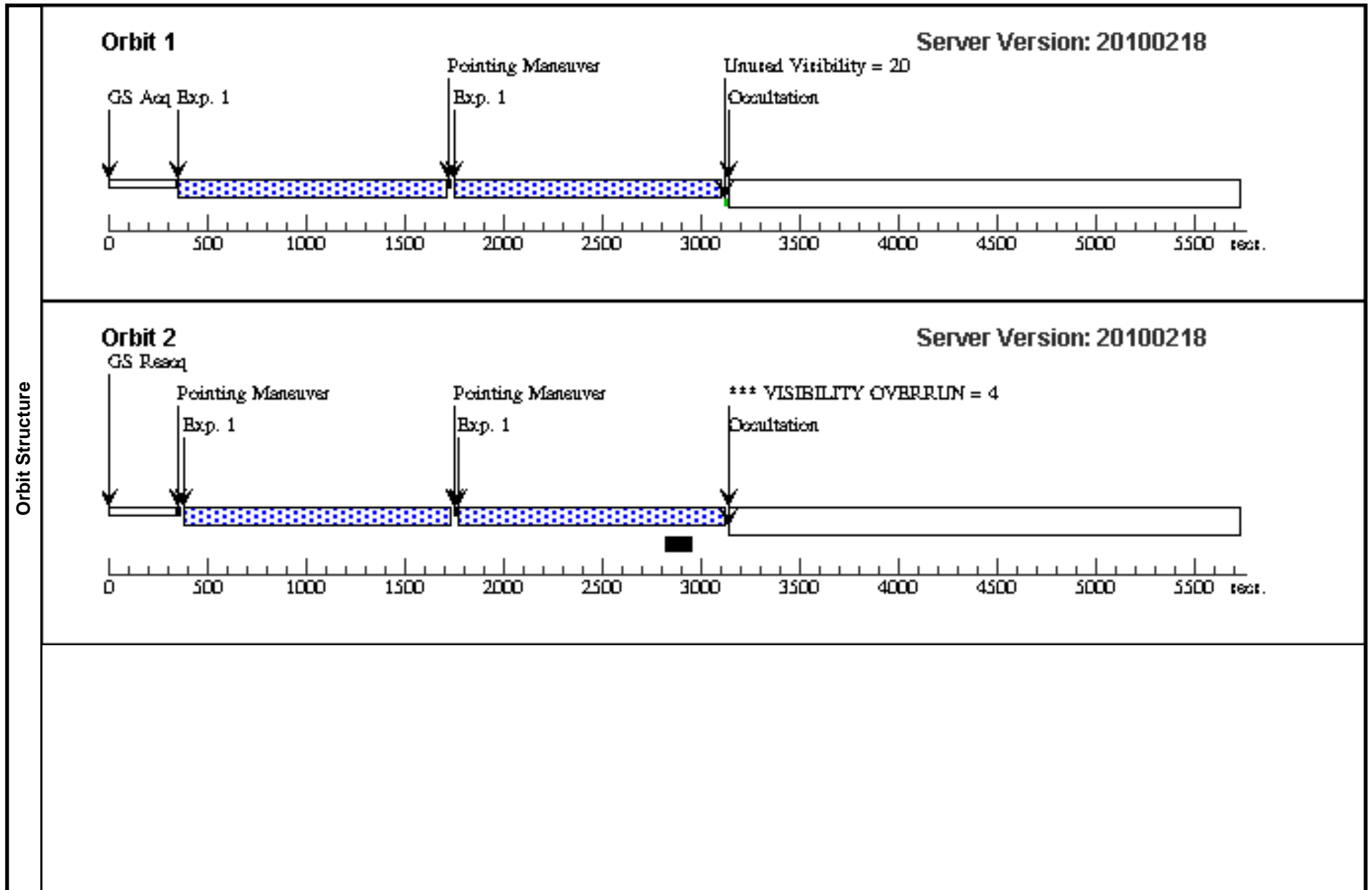


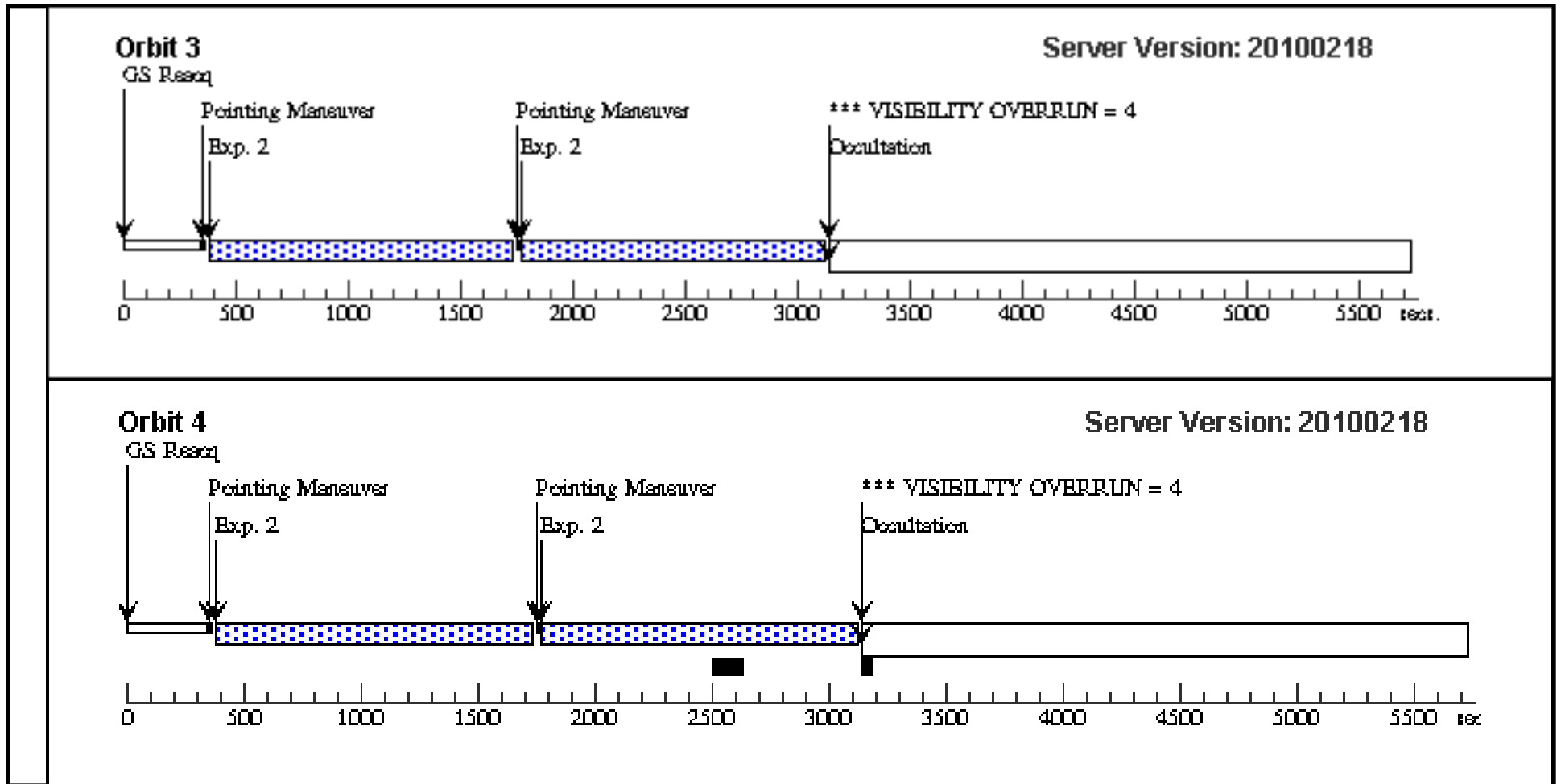


Proposal 11149 - Visit 16 - Characterizing the Stellar Populations in Lyman-Alpha Emitters and Lyman Break Galaxies a...

Thu Mar 11 02:03:13 GMT 2010

<b>Visit</b>	<b>Proposal 11149, Visit 16, completed</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: NIC3 Special Requirements: PCS MODE FINE									
	<b>Diagnosics</b> (Visit 16) Warning (Orbit Planner): VISIBILITY OVERRUN (Visit 16) Warning (Orbit Planner): VISIBILITY OVERRUN (Visit 16) Warning (Orbit Planner): VISIBILITY OVERRUN									
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>		<b>Secondary Pattern</b>	<b>Exposures</b>					
	(1)	Pattern Type=NIC-SPIRAL-DITH Purpose=DITHER Number Of Points=4 Point Spacing=5.0 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=22.5 Angle Between Sides= Center Pattern=false		(1), (2)					
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(14)	SDFJ132431.5+271509	RA: 13 24 31.5000 (201.1312500d) Dec: +27 15 9.00 (27.25250d) Equinox: J2000		V=(?) z(AB)=25.89	Reference Frame: ICRS				
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1	(14) SDFJ132431.5+271509	NIC3, MULTIACCUM, NIC3	F110W	SAMP-SEQ=SPARS 64; NSAMP=23			Pattern 1, Exps 1-1 (1)	[==>(Pattern 1)]	[1]
									[==>(Pattern 2)]	[2]
									[==>(Pattern 3)]	
									[==>(Pattern 4)]	
	2	(14) SDFJ132431.5+271509	NIC3, MULTIACCUM, NIC3	F160W	SAMP-SEQ=SPARS 64; NSAMP=23				Pattern 1, Exps 2-2 (1)	[==>(Pattern 1)]
								[==>(Pattern 2)]	[4]	
								[==>(Pattern 3)]		
								[==>(Pattern 4)]		

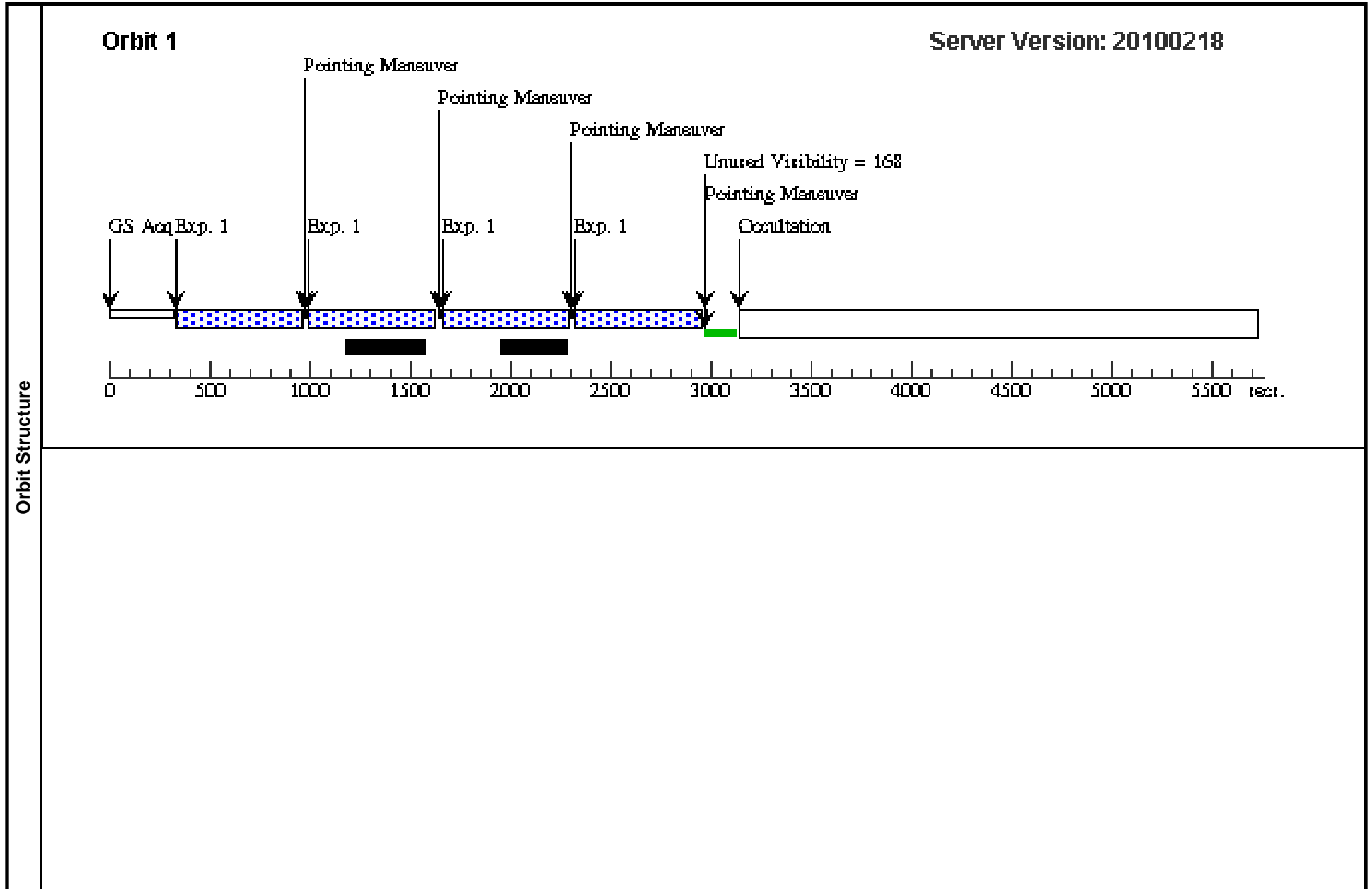


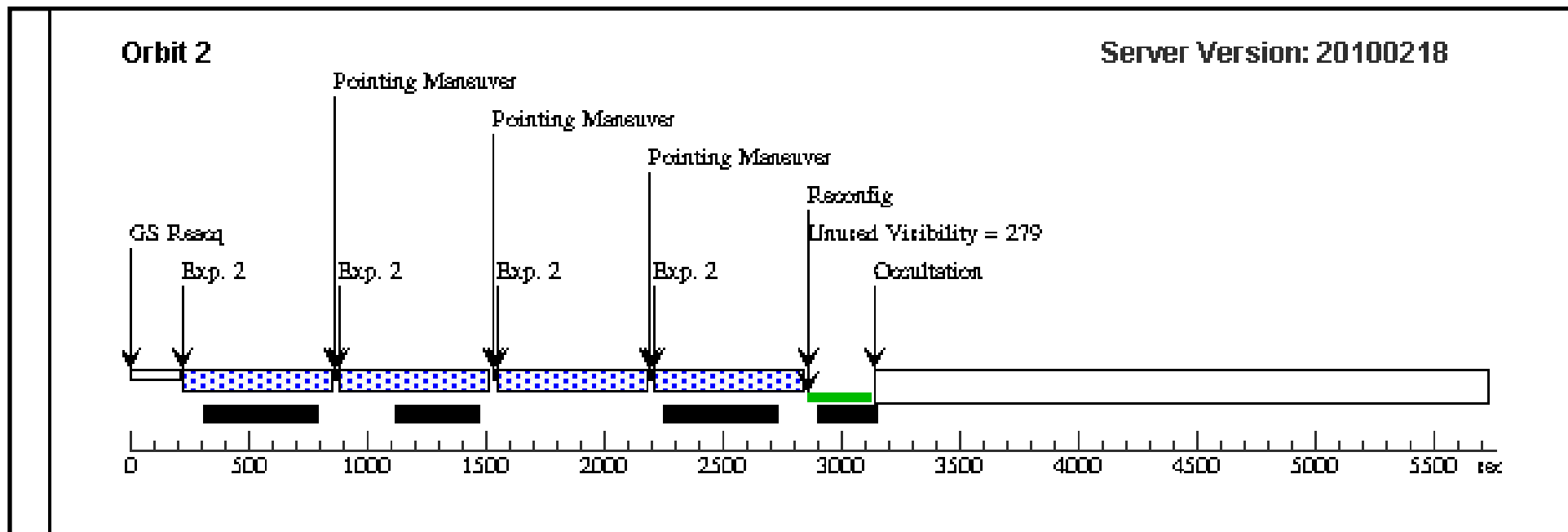


Proposal 11149 - Visit 17 - Characterizing the Stellar Populations in Lyman-Alpha Emitters and Lyman Break Galaxies a...

Thu Mar 11 02:03:13 GMT 2010

<b>Visit</b>	<b>Proposal 11149, Visit 17, completed</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: WFC3/IR Special Requirements: PCS MODE FINE; GYRO MODE 3GOBAD										
	(Visit 17) Warning (Form): Gyro Mode overrides default value of 2G.										
<b>Diagnosics</b>											
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>				<b>Exposures</b>	
	(2)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365				Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false				(1), (2)	
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>			<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>		<b>Miscellaneous</b>	
	(15)	SDFJ132519.4+271829	RA: 13 25 19.4000 (201.3308333d) Dec: +27 18 29.00 (27.30806d) Equinox: J2000					V=(?) z(AB)=25.42		Reference Frame: ICRS	
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>		<b>Orbit</b>
	1		(15) SDFJ132519.4+271829	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=SPARS 50; NSAMP=13		Pattern 2, Exps 1-1 (2)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]
	2		(15) SDFJ132519.4+271829	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=SPARS 50; NSAMP=13		Pattern 2, Exps 2-2 (2)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[2]

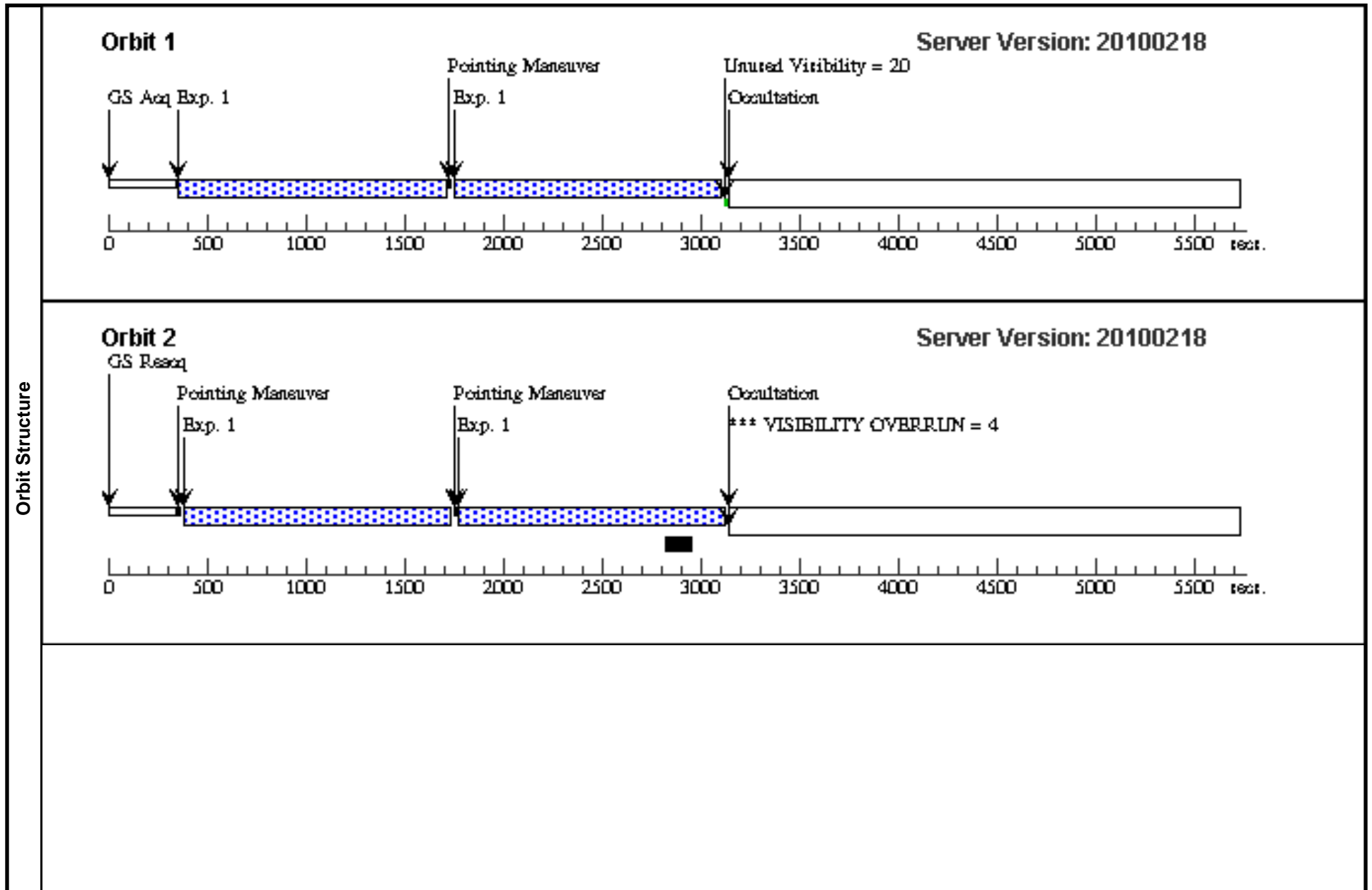


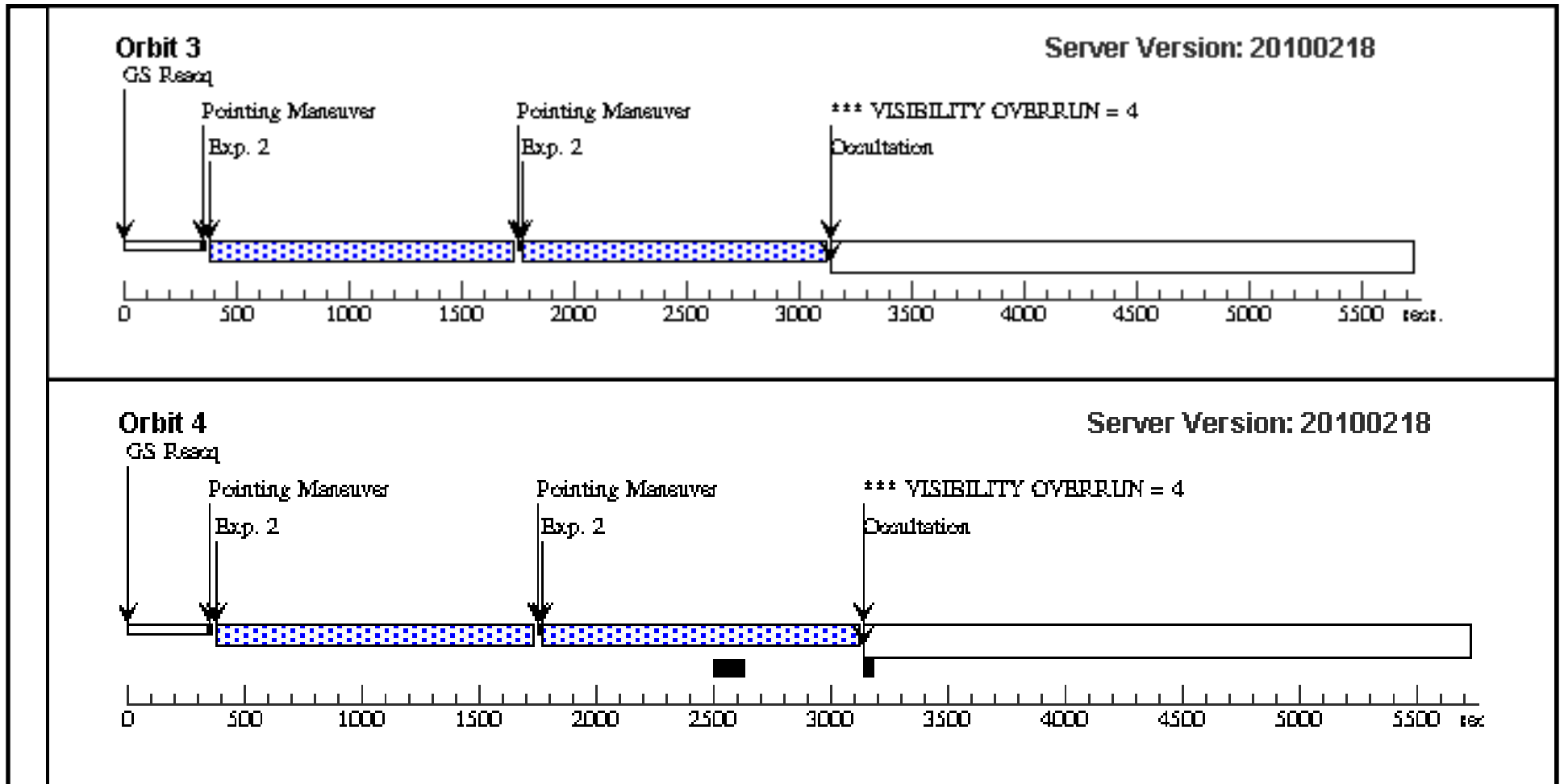


Proposal 11149 - Visit 18 - Characterizing the Stellar Populations in Lyman-Alpha Emitters and Lyman Break Galaxies a...

Thu Mar 11 02:03:14 GMT 2010

<b>Visit</b>	<b>Proposal 11149, Visit 18, completed</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: NIC3 Special Requirements: PCS MODE FINE									
	<b>Diagnosics</b> (Visit 18) Warning (Orbit Planner): VISIBILITY OVERRUN (Visit 18) Warning (Orbit Planner): VISIBILITY OVERRUN (Visit 18) Warning (Orbit Planner): VISIBILITY OVERRUN									
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>		<b>Secondary Pattern</b>	<b>Exposures</b>					
	(1)	Pattern Type=NIC-SPIRAL-DITH Purpose=DITHER Number Of Points=4 Point Spacing=5.0 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=22.5 Angle Between Sides= Center Pattern=false		(1), (2)					
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(16)	SDFJ132418.4+271633	RA: 13 24 18.4000 (201.0766667d) Dec: +27 16 33.00 (27.27583d) Equinox: J2000		V=(?) z(AB)=25.75	Reference Frame: ICRS				
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1	(16) SDFJ132418.4+271633	NIC3, MULTIACCUM, NIC3	F110W	SAMP-SEQ=SPARS 64; NSAMP=23			Pattern 1, Exps 1-1 (1)	[==>(Pattern 1)]	[1]
									[==>(Pattern 2)]	[2]
									[==>(Pattern 3)]	
									[==>(Pattern 4)]	
	2	(16) SDFJ132418.4+271633	NIC3, MULTIACCUM, NIC3	F160W	SAMP-SEQ=SPARS 64; NSAMP=23			Pattern 1, Exps 2-2 (1)	[==>(Pattern 1)]	[3]
								[==>(Pattern 2)]	[4]	
								[==>(Pattern 3)]		
								[==>(Pattern 4)]		

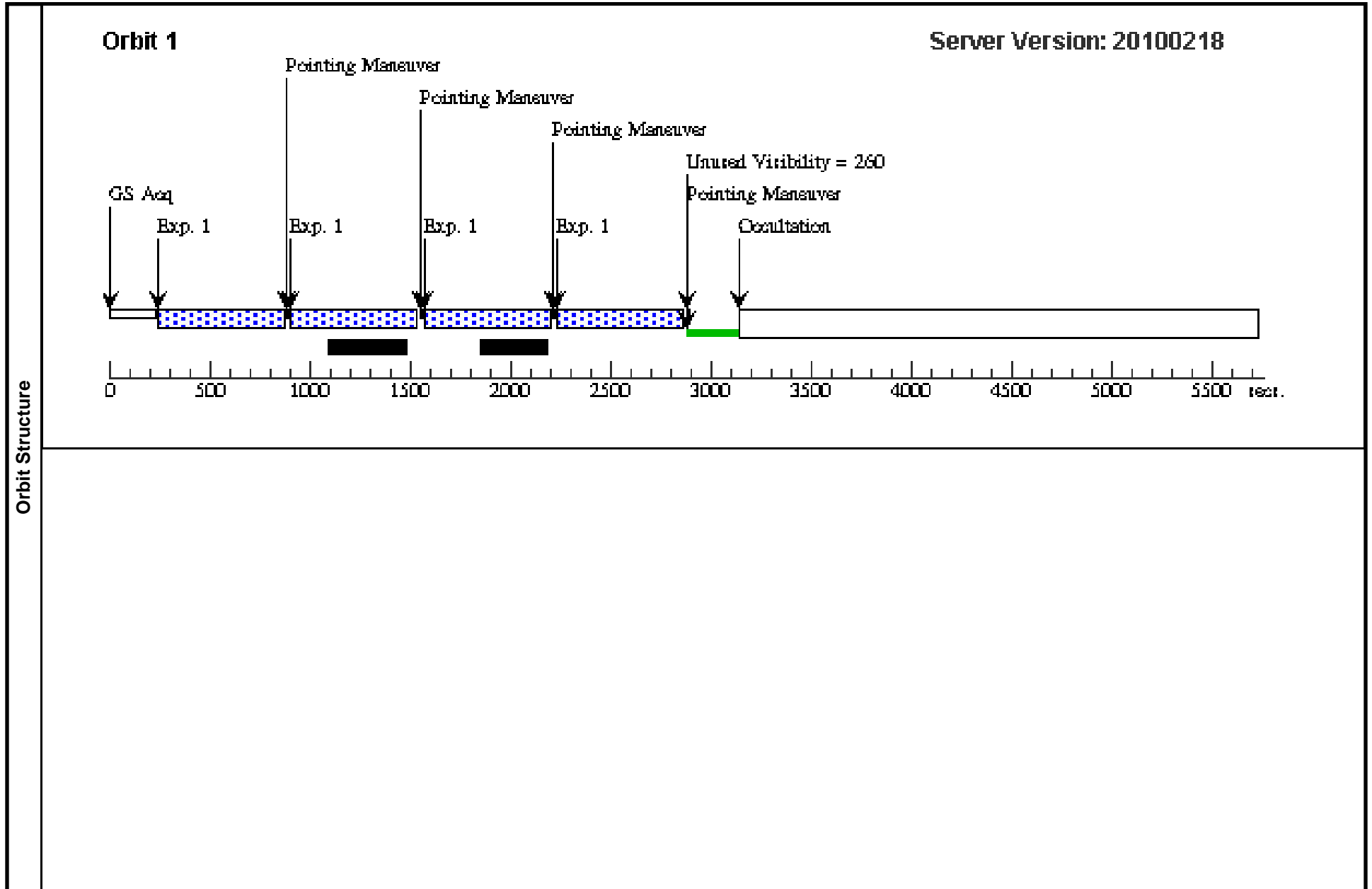


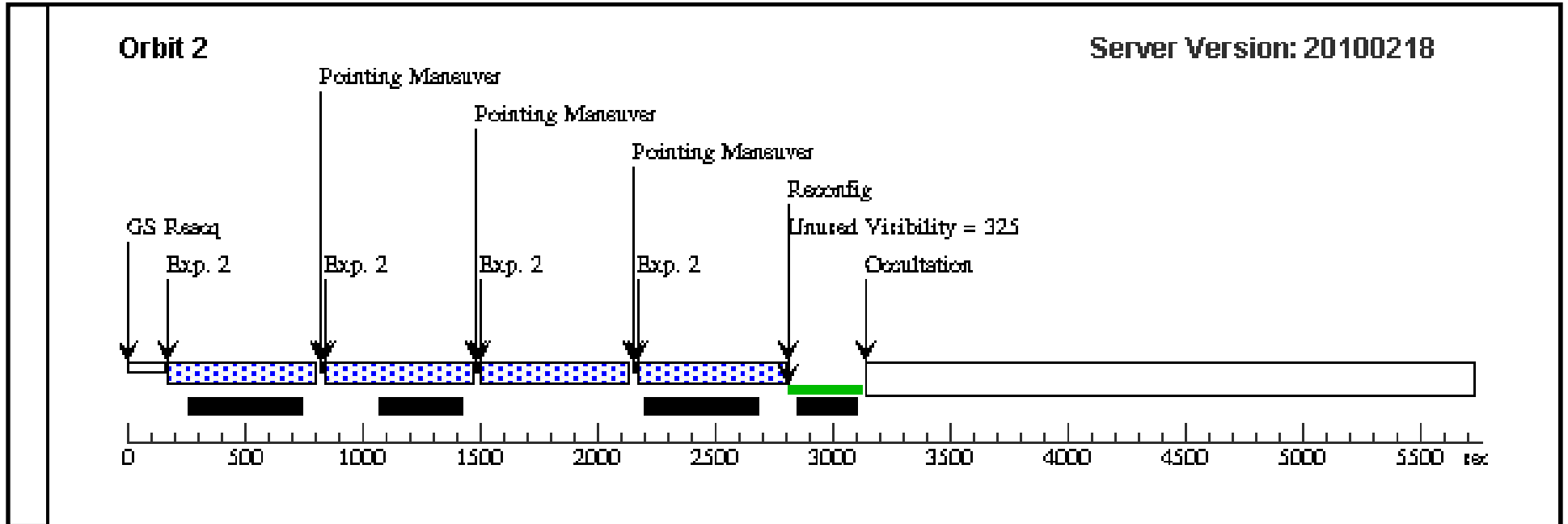


Proposal 11149 - Visit 19 - Characterizing the Stellar Populations in Lyman-Alpha Emitters and Lyman Break Galaxies a...

Thu Mar 11 02:03:14 GMT 2010

<b>Visit</b>	<b>Proposal 11149, Visit 19, scheduling</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: WFC3/IR Special Requirements: PCS MODE FINE; GYRO MODE 3GOBAD									
	(Visit 19) Warning (Form): Gyro Mode overrides default value of 2G.									
<b>Diagnosics</b>										
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			<b>Exposures</b>	
	(2)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365		Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false					(1), (2)	
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>	<b>Miscellaneous</b>		
	(18)	SDFJ132523.4+271701	RA: 13 25 23.4000 (201.3475000d) Dec: +27 17 1.00 (27.28361d) Equinox: J2000				V=(?) z(AB)=25.34	Reference Frame: ICRS		
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1		(18) SDFJ132523.4+271701	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=SPARS 50; NSAMP=13	GS ACQ SCENARI O SINGLE	Pattern 2, Exps 1-1 (2)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2		(18) SDFJ132523.4+271701	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=SPARS 50; NSAMP=13		Pattern 2, Exps 2-2 (2)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]

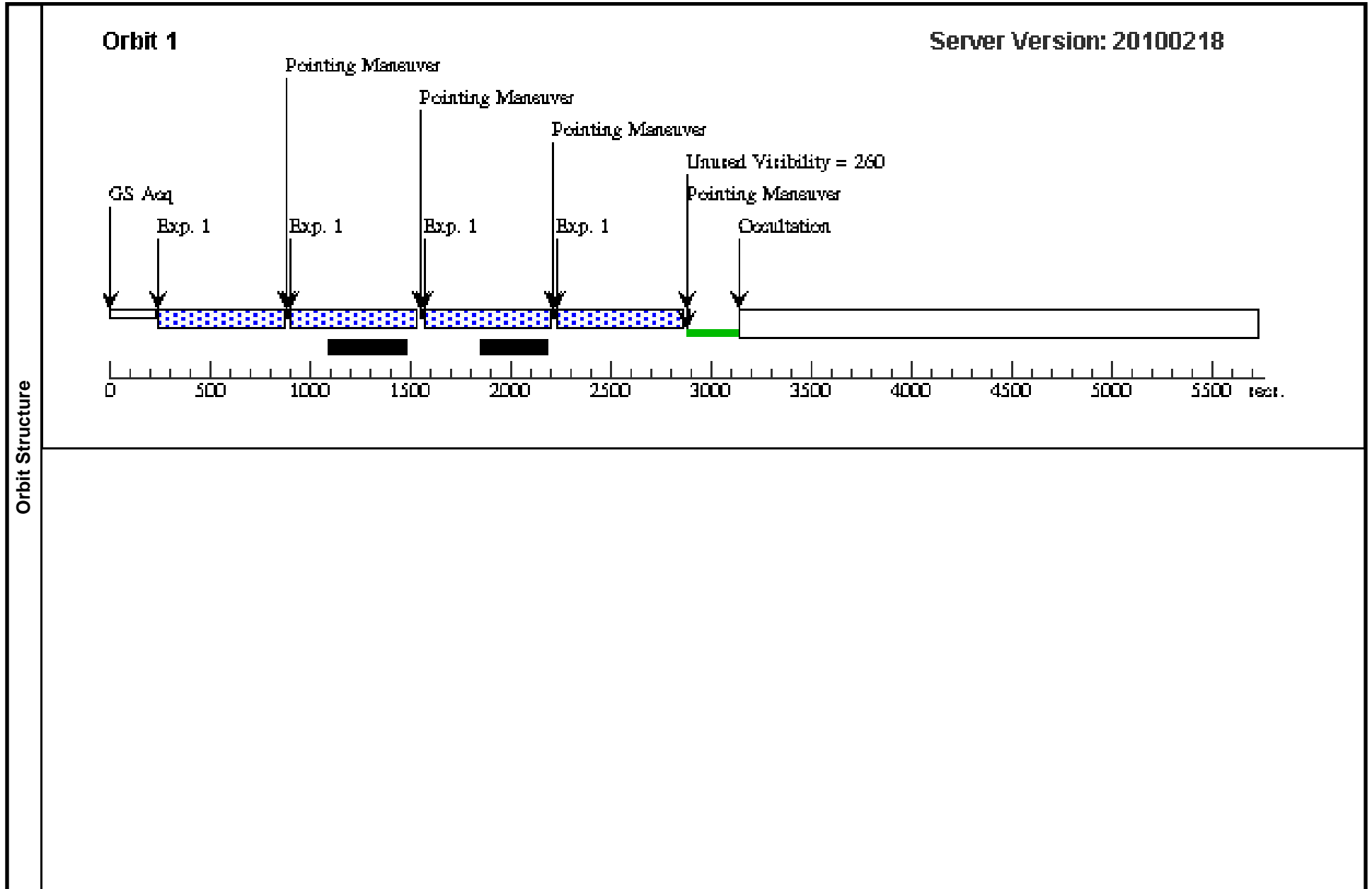


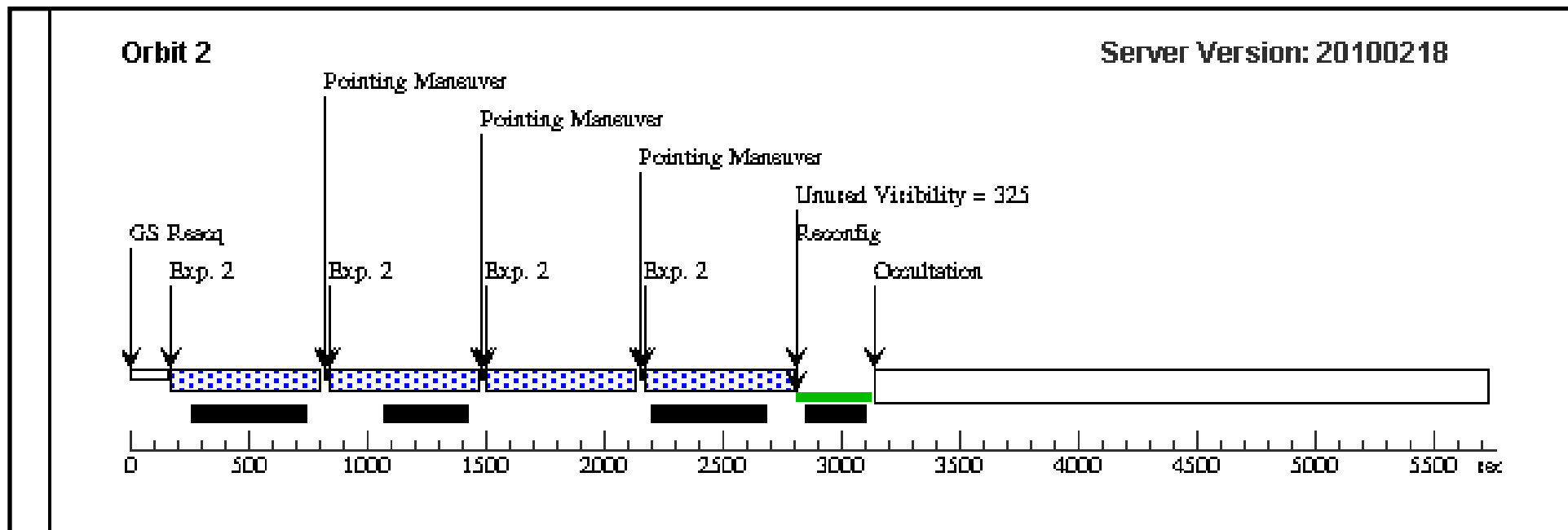


Proposal 11149 - Visit 20 - Characterizing the Stellar Populations in Lyman-Alpha Emitters and Lyman Break Galaxies a...

Thu Mar 11 02:03:15 GMT 2010

<b>Visit</b>	<b>Proposal 11149, Visit 20, scheduling</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: WFC3/IR Special Requirements: PCS MODE FINE; GYRO MODE 3GOBAD									
	(Visit 20) Warning (Form): Gyro Mode overrides default value of 2G.									
<b>Diagnosics</b>										
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			<b>Exposures</b>	
	(2)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365		Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false					(1), (2)	
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>	<b>Miscellaneous</b>		
	(20)	SDFJ132416.4+271907	RA: 13 24 16.4000 (201.0683333d) Dec: +27 19 7.00 (27.31861d) Equinox: J2000				V=(?) z(AB)=25.37	Reference Frame: ICRS		
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1		(20) SDFJ132416.4+271907	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=SPARS 50; NSAMP=13	GS ACQ SCENARI O SINGLE	Pattern 2, Exps 1-1 (2)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2		(20) SDFJ132416.4+271907	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=SPARS 50; NSAMP=13		Pattern 2, Exps 2-2 (2)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]





Proposal 11149 - Visit 21 - Characterizing the Stellar Populations in Lyman-Alpha Emitters and Lyman Break Galaxies a...

Thu Mar 11 02:03:15 GMT 2010

<b>Visit</b>	<b>Proposal 11149, Visit 21, completed</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: WFC3/IR Special Requirements: PCS MODE FINE; GYRO MODE 3GOBAD <i>Comments: Although this target was already observed in Visit 01, our reduction of this data set shows that the achieved depth is inadequate. The source is seen in the images, but it is too faint to perform accurate photometry. Therefore, we have allocated one extra orbit of WFC3 time to reobserve this target.</i>									
	(Visit 21) Warning (Form): Gyro Mode overrides default value of 2G.									
<b>Diagnosics</b>										
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>	<b>Secondary Pattern</b>		<b>Exposures</b>					
	(3)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(1), (2)					
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(5)	SDFJ132408.3+271543	RA: 13 24 8.3000 (201.0345833d) Dec: +27 15 43.00 (27.26194d) Equinox: J2000		V=(?) z(AB)=24.94	Reference Frame: ICRS				
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time/[Actual Dur.]</b>	<b>Orbit</b>
	1	(5) SDFJ132408.3+271543	(5) SDFJ132408.3+271543	WFC3/IR, MULTIACCUM, IR	F125W	SAMP-SEQ=SPARS 50; NSAMP=13		Pattern 3, Exps 1-1 (3)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
<i>Comments: For this target, we are now using F125W instead of F110W.</i>										
2	(5) SDFJ132408.3+271543	(5) SDFJ132408.3+271543	(5) SDFJ132408.3+271543	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=SPARS 50; NSAMP=14		Pattern 3, Exps 2-2 (3)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]

