



11663 - Formation and Evolution of Massive Galaxies in the Richest Environments at $1.5 < z < 2.0$

Cycle: 17, 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>
02	(1) 25.75	ACS/WFC WFC3/IR	1	04-Jun-2010 21:01:26.0	yes
03	(1) 25.75	ACS/WFC WFC3/IR	1	04-Jun-2010 21:01:34.0	yes
04	(1) 25.75	ACS/WFC WFC3/IR	1	04-Jun-2010 21:01:40.0	yes

Proposal 11663 (STScI Edit Number: 8, Created: Friday, June 4, 2010 8:03:25 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>
05	(2) 25.687	ACS/WFC WFC3/IR	1	04-Jun-2010 21:01:47.0	yes
06	(2) 25.687	ACS/WFC WFC3/IR	1	04-Jun-2010 21:01:52.0	yes
07	(2) 25.687	ACS/WFC WFC3/IR	1	04-Jun-2010 21:01:57.0	yes
08	(3) 25.643	ACS/WFC WFC3/IR	1	04-Jun-2010 21:02:01.0	yes
09	(3) 25.643	ACS/WFC WFC3/IR	1	04-Jun-2010 21:02:06.0	yes
10	(3) 25.643	ACS/WFC WFC3/IR	1	04-Jun-2010 21:02:11.0	yes
11	(4) 25.260	ACS/WFC WFC3/IR	1	04-Jun-2010 21:02:16.0	yes
12	(4) 25.260	ACS/WFC WFC3/IR	1	04-Jun-2010 21:02:22.0	yes
13	(4) 25.260	ACS/WFC WFC3/IR	1	04-Jun-2010 21:02:27.0	yes
14	(5) 25.659	ACS/WFC WFC3/IR	1	04-Jun-2010 21:02:32.0	yes
15	(5) 25.659	ACS/WFC WFC3/IR	1	04-Jun-2010 21:02:37.0	yes
65	(5) 25.659	ACS/WFC WFC3/IR	1	04-Jun-2010 21:02:41.0	yes
16	(5) 25.659	ACS/WFC WFC3/IR	1	04-Jun-2010 21:02:47.0	yes
17	(6) 25.352	ACS/WFC WFC3/IR	1	04-Jun-2010 21:02:52.0	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>
18	(6) 25.352	ACS/WFC WFC3/IR	1	04-Jun-2010 21:02:56.0	yes
19	(6) 25.352	ACS/WFC WFC3/IR	1	04-Jun-2010 21:03:01.0	yes
20	(7) 25.128	ACS/WFC WFC3/IR	1	04-Jun-2010 21:03:05.0	yes
21	(7) 25.128	ACS/WFC WFC3/IR	1	04-Jun-2010 21:03:09.0	yes
22	(7) 25.128	ACS/WFC WFC3/IR	1	04-Jun-2010 21:03:15.0	yes
72	(7) 25.128	ACS/WFC WFC3/IR	1	04-Jun-2010 21:03:21.0	yes

23 Total Orbits Used

ABSTRACT

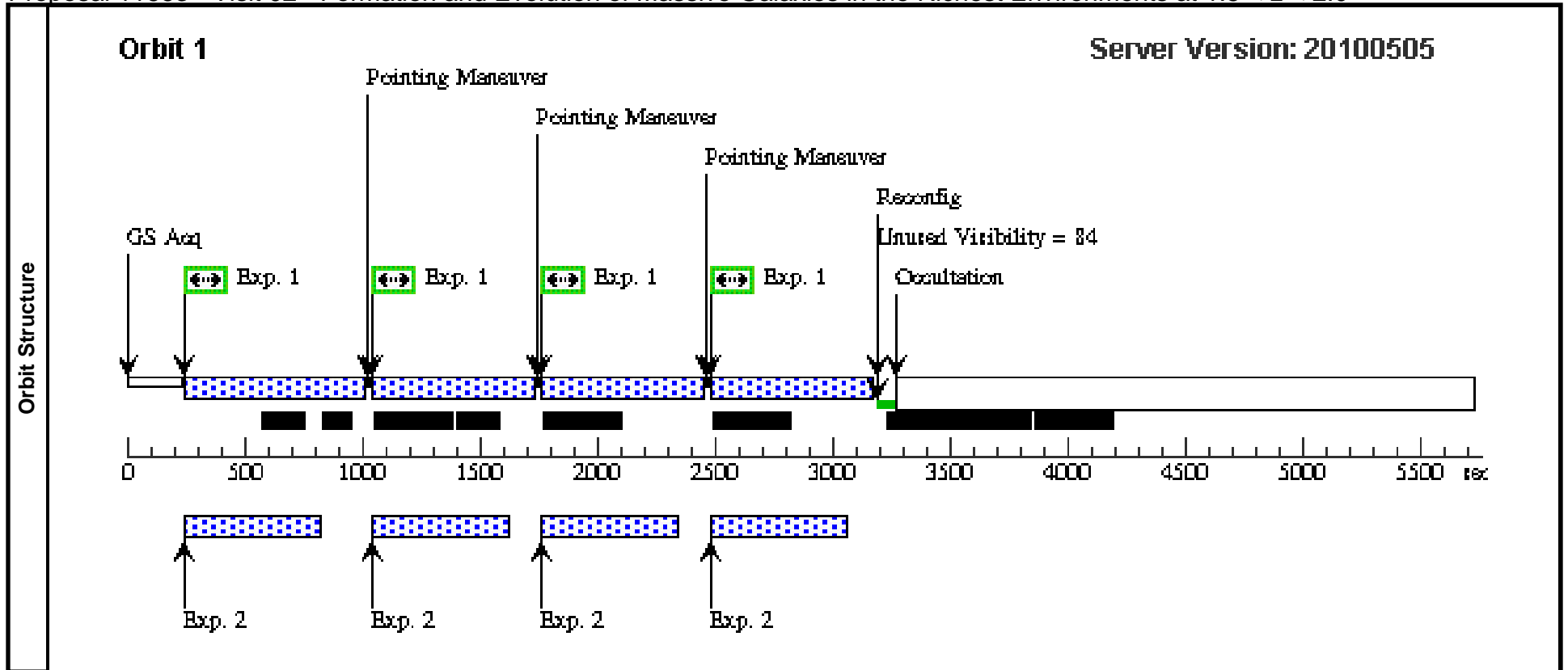
We propose to image seven $1.5 < z < 2$ clusters and groups from the IRAC Shallow Cluster Survey with WFC3 and ACS in order to study the formation and evolution of massive galaxies in the richest environments in the Universe in this important redshift range. We will measure the evolution of the sizes and morphologies of massive cluster galaxies, as a function of redshift, richness, radius and local density. In combination with allocated Keck spectroscopy, we will directly measure the dry merger fraction in these clusters, as well as the evolution of Brightest Cluster Galaxies (BCGs) over this redshift range where clear model predictions can be confronted. Finally we will measure both the epoch of formation of the stellar populations and the assembly history of that stellar mass, the two key parameters in the modern galaxy formation paradigm.

OBSERVING DESCRIPTION

The 7 cluster targets were each imaged at 1 primary position for 2 orbits with ACS/F814W and 2 primary positions for 1/2 orbit with WFC3/F160W (overlapping the ACS pointing). The program used a total of 14 ACS orbits and 7 WFC3 orbits. Coordinated parallels were obtained with ACS/F814W during the WFC3 orbits and with WFC3 during the ACS orbits. These were oriented to image the outskirts of the target clusters, as well as to image nearby dust-obscured galaxies.

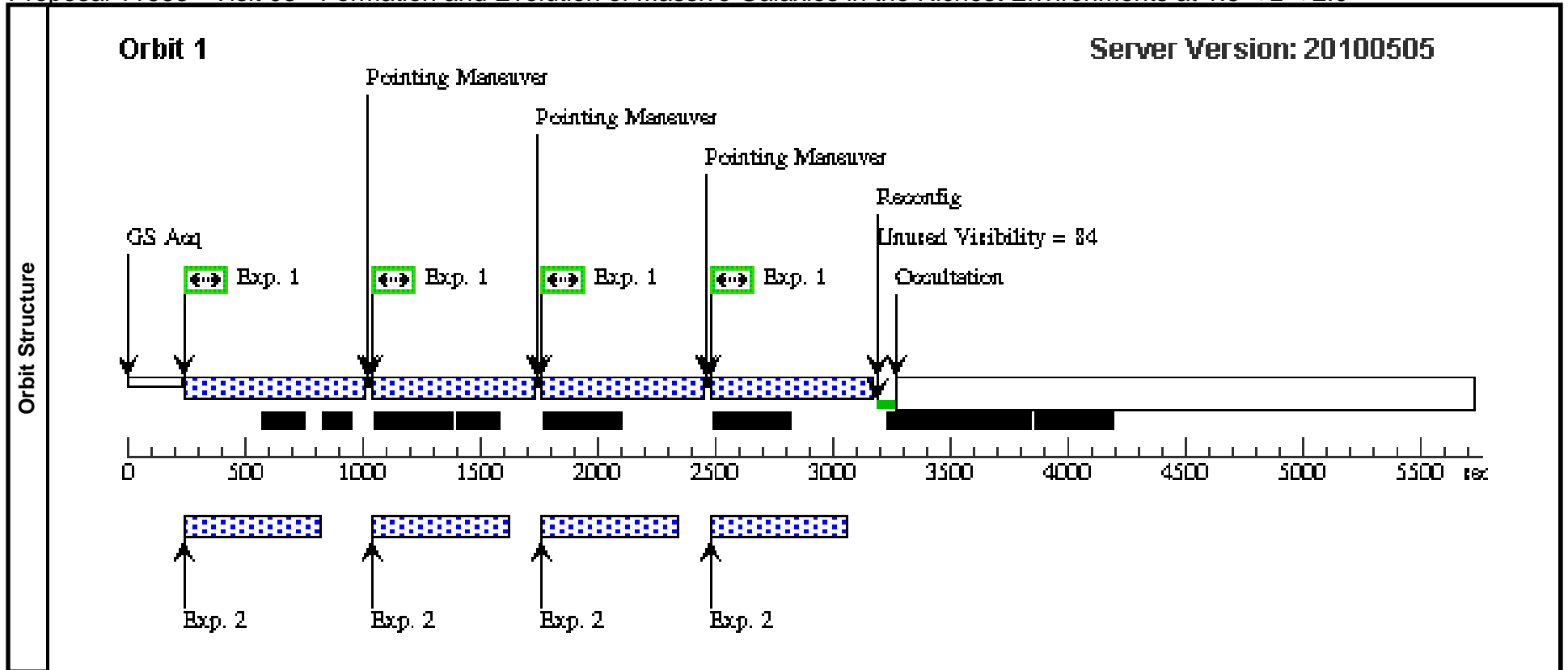
Proposal 11663 (STScI Edit Number: 8, Created: Friday, June 4, 2010 8:03:25 PM EST) - Overview

Visit	Proposal 11663, Visit 02, completed Sat Jun 05 01:03:25 GMT 2010 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: ORIENT 175D TO 189 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(3)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.265 Line Spacing=0.187	Coordinate Frame=POS-TARG Pattern Orientation=20.67 Angle Between Sides=69.05 Center Pattern=false		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	25.75	RA: 14 32 23.0146 (218.0958942d) Dec: +32 49 48.56 (32.83016d) Equinox: J2000		V=27	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	10.204_ACS primary_a	(1) 25.75	ACS/WFC, ACCUM, WFCENTER	F814W		GS ACQ SCENARIO SINGLE	Pattern 3, Exps 1-2 (3) Prime + Parallel Group 1-2	540 Secs [=>564.0 Secs (Pattern 1)] [=>564.0 Secs (Pattern 2)] [=>564.0 Secs (Pattern 3)] [=>564.0 Secs (Pattern 4)]	[1]
2	10.204par_ ACSprimary_a	(1) 25.75	WFC3/IR, MULTIACCUM, IR-FIX	F160W		NSAMP=12; SAMP-SEQ=SPAR S50	Pattern 3, Exps 1-2 (3) Prime + Parallel Group 1-2	[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]	



Proposal 11663 - Visit 02 - Formation and Evolution of Massive Galaxies in the Richest Environments at $1.5 < z < 2.0$

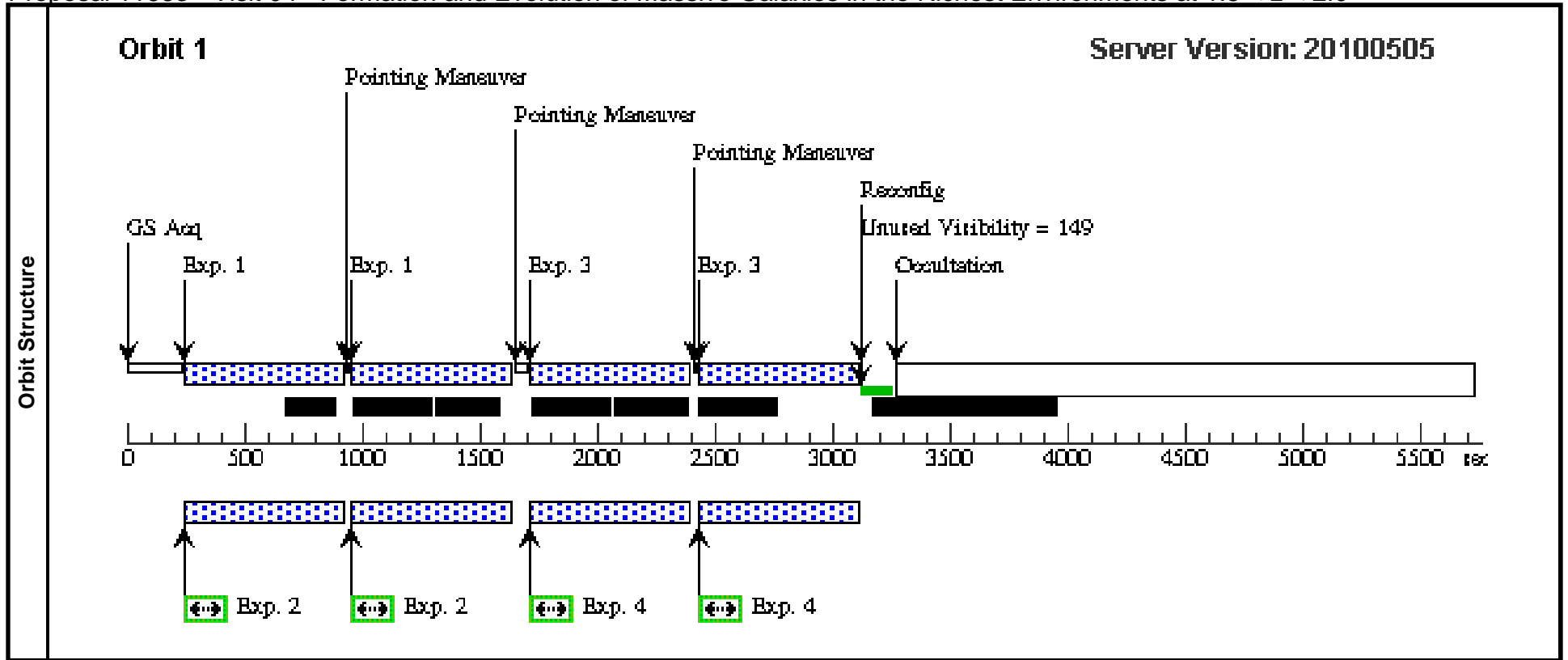
Visit	Proposal 11663, Visit 03, completed Sat Jun 05 01:03:26 GMT 2010 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: ORIENT 170D TO 189 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(3)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.265 Line Spacing=0.187	Coordinate Frame=POS-TARG Pattern Orientation=20.67 Angle Between Sides=69.05 Center Pattern=false		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	25.75	RA: 14 32 23.0146 (218.0958942d) Dec: +32 49 48.56 (32.83016d) Equinox: J2000		V=27	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	10.204_ACS primary_b	(1) 25.75	ACS/WFC, ACCUM, WFCENTER	F814W		POS TARG 1.0,1.0; GS ACQ SCENARI O SINGLE	Pattern 3, Exps 1-2 (3) Prime + Parallel Group 1-2	540 Secs [==>564.0 Secs (Pattern 1)] [==>564.0 Secs (Pattern 2)] [==>564.0 Secs (Pattern 3)] [==>564.0 Secs (Pattern 4)]	[1]
2	10.204par_ ACSprimary_b	(1) 25.75	WFC3/IR, MULTIACCUM, IR-FIX	F160W		NSAMP=12; SAMP-SEQ=SPAR S50	Pattern 3, Exps 1-2 (3) Prime + Parallel Group 1-2	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]	



Proposal 11663 - Visit 03 - Formation and Evolution of Massive Galaxies in the Richest Environments at $1.5 < z < 2.0$

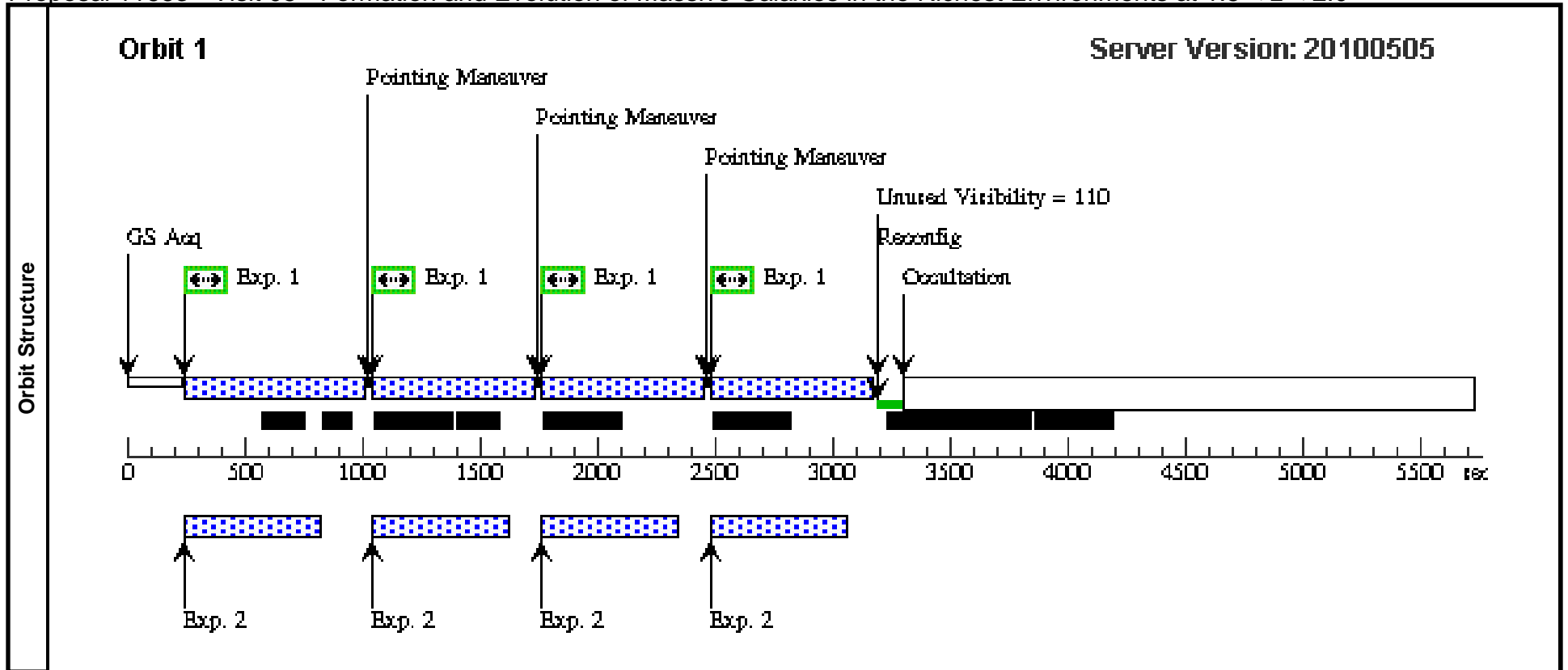
Sat Jun 05 01:03:27 GMT 2010

Visit	Proposal 11663, Visit 04, scheduling Diagnostic Status: Warning Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: ORIENT 348D TO 0 D									
	(Visit 04) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE									
Diagnosics										
Patterns	#	Primary Pattern		Secondary Pattern		Exposures				
	(1)	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), (3-4)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	25.75	RA: 14 32 23.0146 (218.0958942d) Dec: +32 49 48.56 (32.83016d) Equinox: J2000		V=27	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	10.204_WF C3primary_a	(1) 25.75	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=14; SAMP-SEQ=SPAR S50	POS TARG 0,-61; GS ACQ SCENARIO SINGLE	Pattern 1, Exps 1-2 (1) Prime + Parallel Group 1-2	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	10.204par_WFC3primary_a	(1) 25.75	ACS/WFC, ACCUM, WFCENTER	F814W			Pattern 1, Exps 1-2 (1) Prime + Parallel Group 1-2	339 Secs [==>475.0 Secs (Pattern 1)] [==>557.0 Secs (Pattern 2)]	[1]
	3	10.204_WF C3primary_b	(1) 25.75	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=14; SAMP-SEQ=SPAR S50	POS TARG null,61	Pattern 1, Exps 3-4 (1) Prime + Parallel Group 3-4	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	10.204par_WFC3primary_b	(1) 25.75	ACS/WFC, ACCUM, WFCENTER	F814W			Pattern 1, Exps 3-4 (1) Prime + Parallel Group 3-4	339 Secs [==>557.0 Secs (Pattern 1)] [==>557.0 Secs (Pattern 2)]	[1]



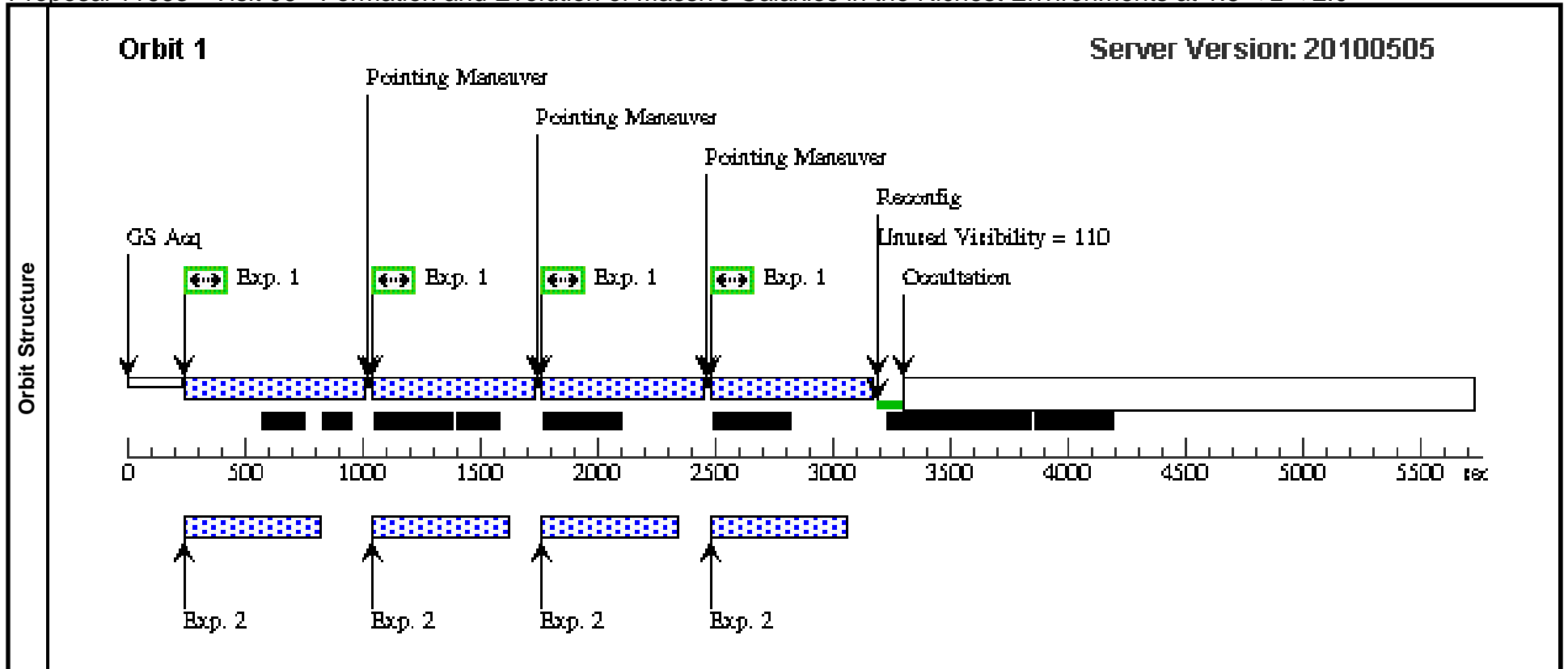
Proposal 11663 - Visit 04 - Formation and Evolution of Massive Galaxies in the Richest Environments at $1.5 < z < 2.0$

Visit		Proposal 11663, Visit 05, implementation Sat Jun 05 01:03:28 GMT 2010 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: ORIENT 110D TO 140 D									
Patterns		#	Primary Pattern	Secondary Pattern	Exposures						
Fixed Targets		#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
Exposures		#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
		(3)		Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.265 Line Spacing=0.187	Coordinate Frame=POS-TARG Pattern Orientation=20.67 Angle Between Sides=69.05 Center Pattern=false					(1-2)	
		(2)	25.687	RA: 14 26 33.0878 (216.6378658d) Dec: +35 08 16.24 (35.13784d) Equinox: J2000			V=27		Reference Frame: ICRS		
		1	10.263_ACS primary_a	(2) 25.687	ACS/WFC, ACCUM, WFCENTER	F814W		GS ACQ SCENARIO SINGLE	Pattern 3, Exps 1-2 (3) Prime + Parallel Group 1-2	540 Secs [==>564.0 Secs (Pattern 1)] [==>564.0 Secs (Pattern 2)] [==>564.0 Secs (Pattern 3)] [==>564.0 Secs (Pattern 4)]	[1]
		2	10.263par_ ACSprimary_a	(2) 25.687	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=12; SAMP-SEQ=SPAR S50		Pattern 3, Exps 1-2 (3) Prime + Parallel Group 1-2	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]



Proposal 11663 - Visit 05 - Formation and Evolution of Massive Galaxies in the Richest Environments at $1.5 < z < 2.0$

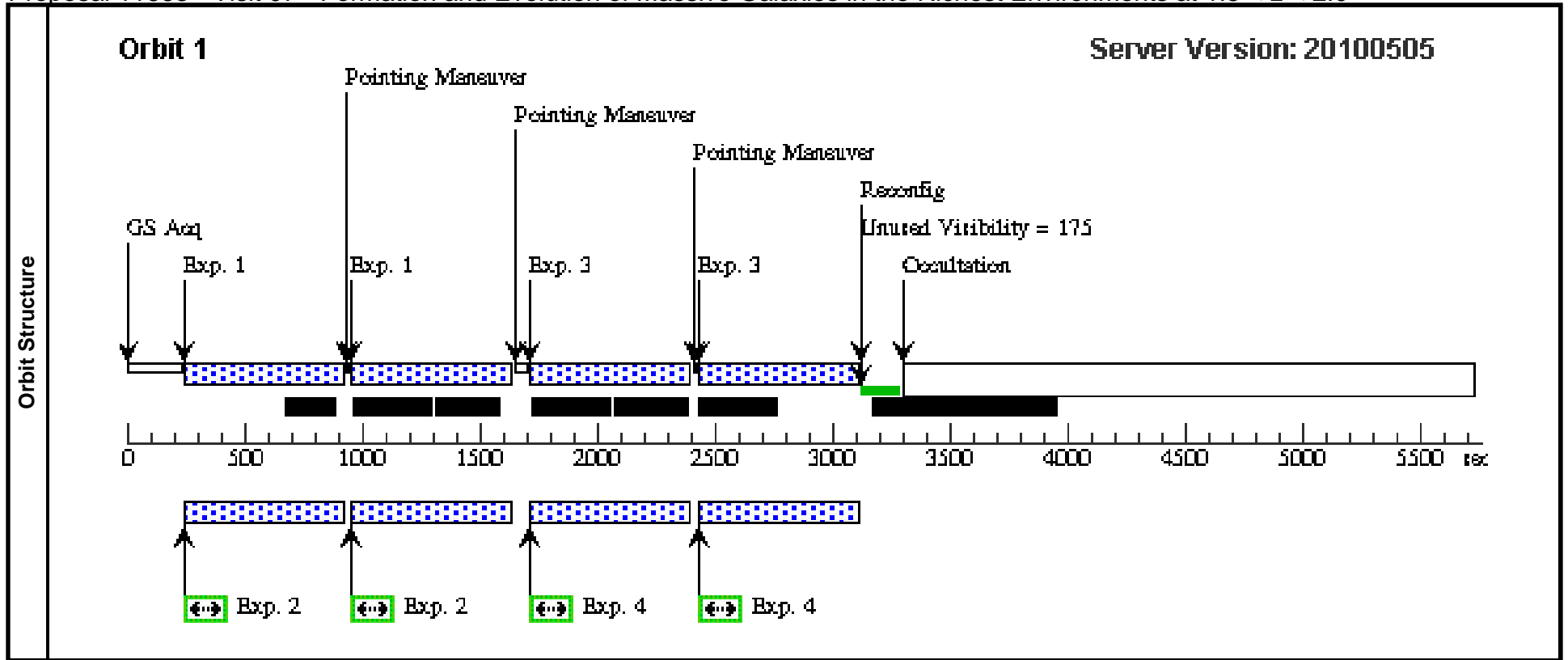
Visit		Proposal 11663, Visit 06, implementation Sat Jun 05 01:03:28 GMT 2010 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: SAME ORIENT AS 05									
Patterns		#	Primary Pattern	Secondary Pattern	Exposures						
Fixed Targets		#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
Exposures		#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
		(3)		Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.265 Line Spacing=0.187	Coordinate Frame=POS-TARG Pattern Orientation=20.67 Angle Between Sides=69.05 Center Pattern=false					(1-2)	
		(2)	25.687	RA: 14 26 33.0878 (216.6378658d) Dec: +35 08 16.24 (35.13784d) Equinox: J2000			V=27		Reference Frame: ICRS		
		1	10.263_ACS primary_b	(2) 25.687	ACS/WFC, ACCUM, WFCENTER	F814W		POS TARG 1.0,1.0; GS ACQ SCENARI O SINGLE	Pattern 3, Exps 1-2 (3) Prime + Parallel Group 1-2	540 Secs [==>564.0 Secs (Pattern 1)] [==>564.0 Secs (Pattern 2)] [==>564.0 Secs (Pattern 3)] [==>564.0 Secs (Pattern 4)]	[1]
		2	10.263par_ ACSprimary_b	(2) 25.687	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=12; SAMP-SEQ=SPAR S50		Pattern 3, Exps 1-2 (3) Prime + Parallel Group 1-2	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]



Proposal 11663 - Visit 06 - Formation and Evolution of Massive Galaxies in the Richest Environments at $1.5 < z < 2.0$

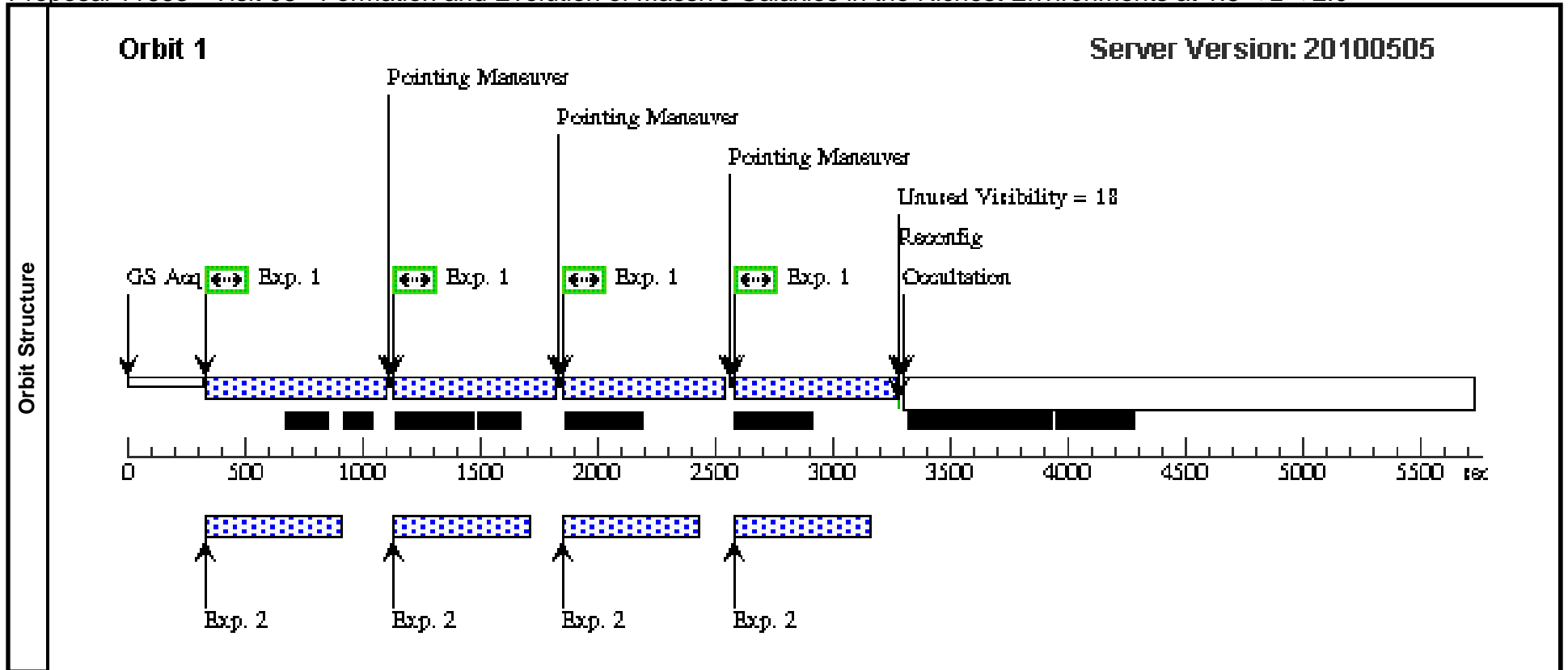
Sat Jun 05 01:03:29 GMT 2010

Visit	Proposal 11663, Visit 07, implementation Diagnostic Status: Warning Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: ORIENT 332D TO 352 D									
	(Visit 07) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE									
Diagnosics										
Patterns	#	Primary Pattern		Secondary Pattern		Exposures				
	(1)	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), (3-4)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	25.687	RA: 14 26 33.0878 (216.6378658d) Dec: +35 08 16.24 (35.13784d) Equinox: J2000		V=27	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	10.263_WF C3primary_a	(2) 25.687	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=14; SAMP-SEQ=SPAR S50	POS TARG 0,-61; GS ACQ SCENARIO SINGLE	Pattern 1, Exps 1-2 (1) Prime + Parallel Group 1-2	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	10.263par_WFC3primary_a	(2) 25.687	ACS/WFC, ACCUM, WFCENTER	F814W			Pattern 1, Exps 1-2 (1) Prime + Parallel Group 1-2	339 Secs [==>475.0 Secs (Pattern 1)] [==>557.0 Secs (Pattern 2)]	[1]
	3	10.263_WF C3primary_b	(2) 25.687	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=14; SAMP-SEQ=SPAR S50	POS TARG null,61	Pattern 1, Exps 3-4 (1) Prime + Parallel Group 3-4	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	10.263par_WFC3primary_b	(2) 25.687	ACS/WFC, ACCUM, WFCENTER	F814W			Pattern 1, Exps 3-4 (1) Prime + Parallel Group 3-4	339 Secs [==>557.0 Secs (Pattern 1)] [==>557.0 Secs (Pattern 2)]	[1]



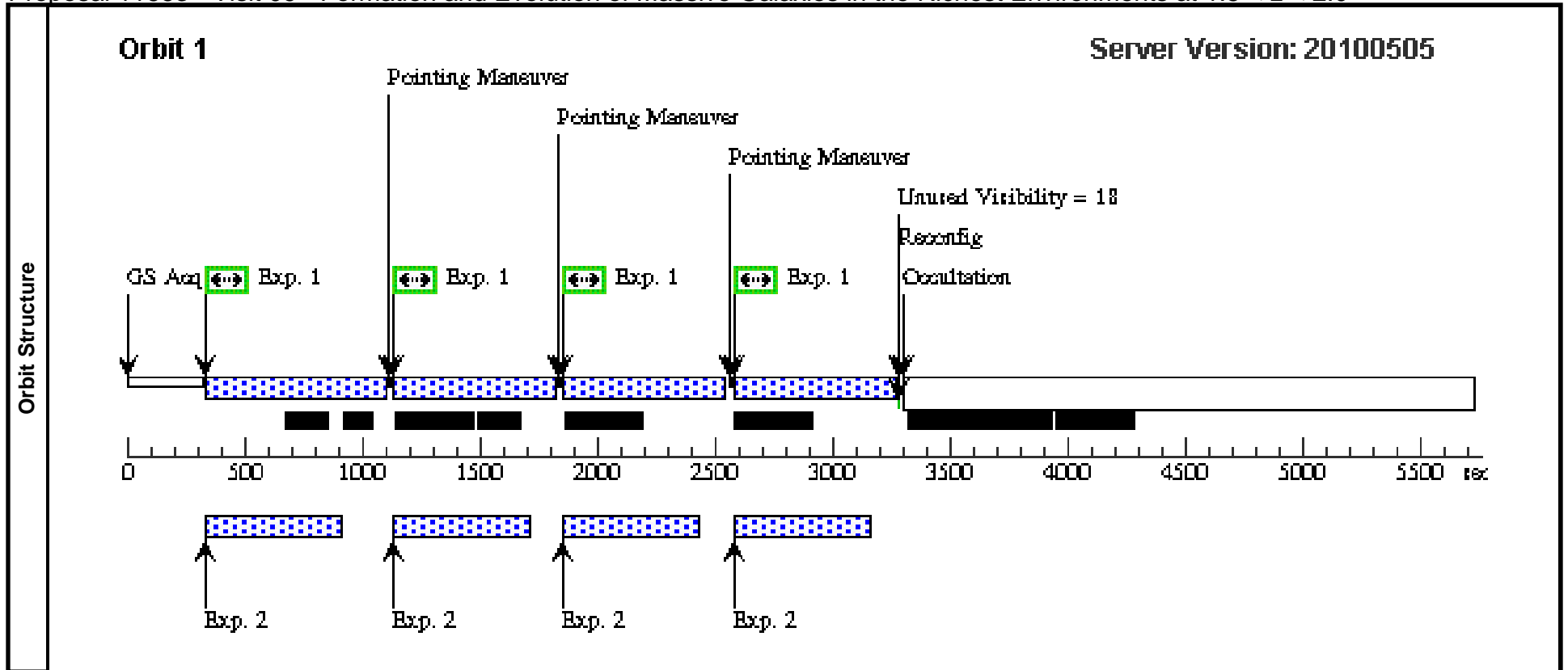
Proposal 11663 - Visit 07 - Formation and Evolution of Massive Galaxies in the Richest Environments at $1.5 < z < 2.0$

Visit		Proposal 11663, Visit 08, scheduling Sat Jun 05 01:03:29 GMT 2010 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: ORIENT 323.4D TO 340 D								
Patterns	#	Primary Pattern	Secondary Pattern	Exposures						
		(3)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.265 Line Spacing=0.187	Coordinate Frame=POS-TARG Pattern Orientation=20.67 Angle Between Sides=69.05 Center Pattern=false		(1-2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	25.643	RA: 14 37 0.5357 (219.2522321d) Dec: +35 00 7.43 (35.00206d) Equinox: J2000		V=27	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	10.315_ACS primary_a	(3) 25.643	ACS/WFC, ACCUM, WFCENTER	F814W				Pattern 3, Exps 1-2 (3) Prime + Parallel Group 1-2	540 Secs [==>564.0 Secs (Pattern 1)] [==>564.0 Secs (Pattern 2)] [==>564.0 Secs (Pattern 3)] [==>564.0 Secs (Pattern 4)]
2	10.315par_ ACSprimary_a	(3) 25.643	WFC3/IR, MULTIACCUM, IR-FIX	F160W		NSAMP=12; SAMP-SEQ=SPAR S50		Pattern 3, Exps 1-2 (3) Prime + Parallel Group 1-2	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]



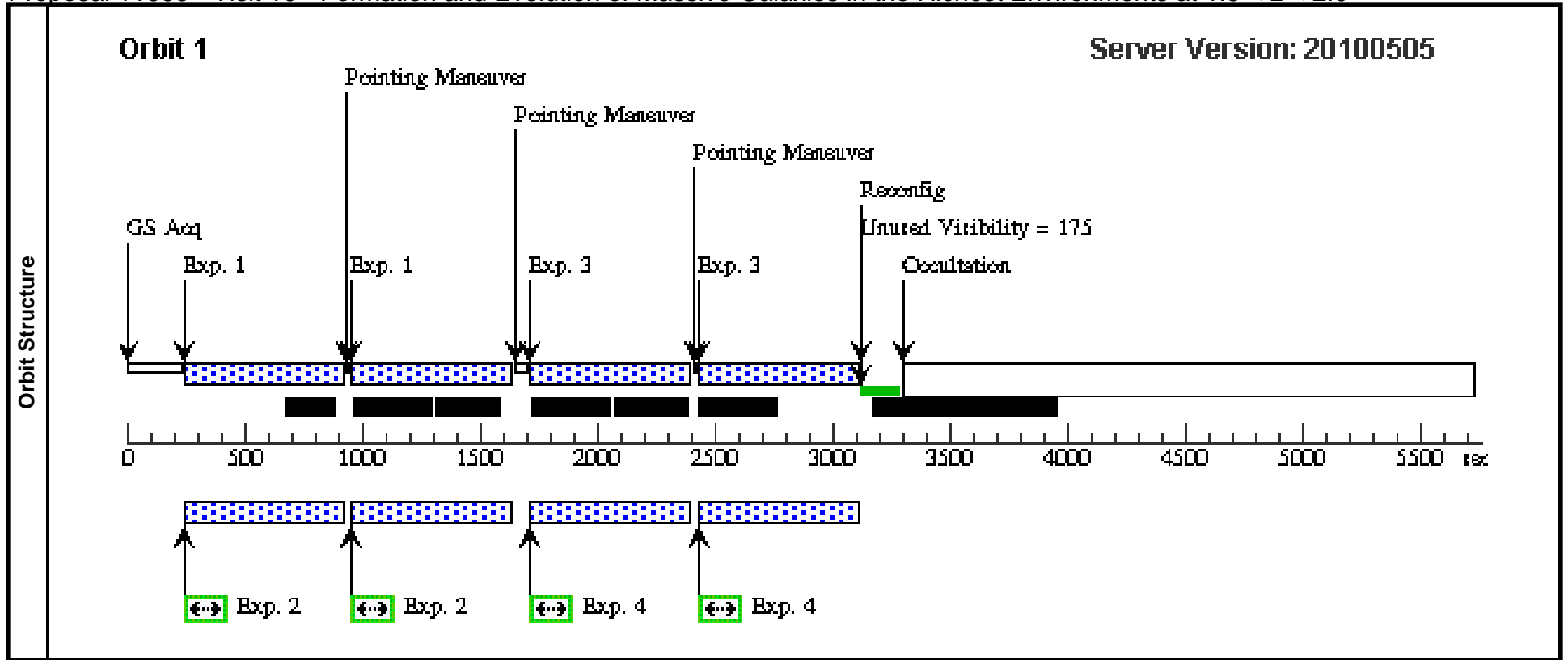
Proposal 11663 - Visit 08 - Formation and Evolution of Massive Galaxies in the Richest Environments at $1.5 < z < 2.0$

Visit		Proposal 11663, Visit 09, scheduling Sat Jun 05 01:03:29 GMT 2010 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: ORIENT 323.4D TO 340 D									
Patterns		#	Primary Pattern	Secondary Pattern	Exposures						
Fixed Targets		#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
Exposures		#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
		(3)	25.643	RA: 14 37 0.5357 (219.2522321d) Dec: +35 00 7.43 (35.00206d) Equinox: J2000				V=27		Reference Frame: ICRS	
		1	10.315_ACS primary_b	(3) 25.643	ACS/WFC, ACCUM, WFCENTER	F814W		POS TARG 1.0,1.0	Pattern 3, Exps 1-2 (3) Prime + Parallel Group 1-2	540 Secs [==>564.0 Secs (Pattern 1)] [==>564.0 Secs (Pattern 2)] [==>564.0 Secs (Pattern 3)] [==>564.0 Secs (Pattern 4)]	[1]
		2	10.315par_ ACSprimary_b	(3) 25.643	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=12; SAMP-SEQ=SPAR S50		Pattern 3, Exps 1-2 (3) Prime + Parallel Group 1-2	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]



Proposal 11663 - Visit 09 - Formation and Evolution of Massive Galaxies in the Richest Environments at $1.5 < z < 2.0$

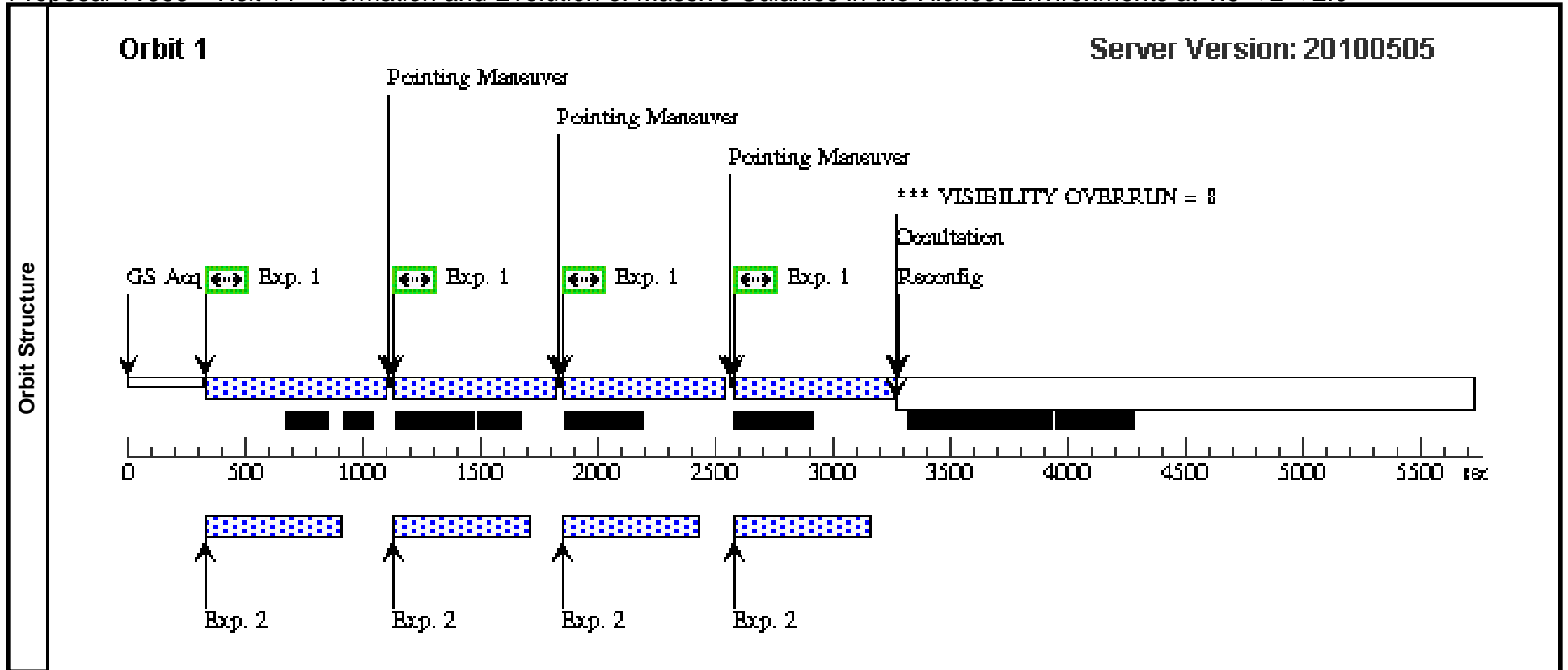
Visit	Proposal 11663, Visit 10, completed Sat Jun 05 01:03:30 GMT 2010 Diagnostic Status: Warning Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: ORIENT 156.3D TO 158.5 D									
	Diagnostics	(Visit 10) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE								
Patterns		#	Primary Pattern	Secondary Pattern	Exposures					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
		(1)	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), (3-4)				
	(3)	25.643	RA: 14 37 0.5357 (219.2522321d) Dec: +35 00 7.43 (35.00206d) Equinox: J2000		V=27	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	10.315_WF C3primary_a	(3) 25.643	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=14; SAMP-SEQ=SPAR S50	POS TARG 0,-61; GS ACQ SCENARI O SINGLE	Pattern 1, Exps 1-2 (1) Prime + Parallel Group 1-2	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	10.315par_WFC3primary_a	(3) 25.643	ACS/WFC, ACCUM, WFCENTER	F814W			Pattern 1, Exps 1-2 (1) Prime + Parallel Group 1-2	339 Secs [==>475.0 Secs (Pattern 1)] [==>557.0 Secs (Pattern 2)]	[1]
	3	10.315_WF C3primary_b	(3) 25.643	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=14; SAMP-SEQ=SPAR S50	POS TARG null,61	Pattern 1, Exps 3-4 (1) Prime + Parallel Group 3-4	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	10.315par_WFC3primary_b	(3) 25.643	ACS/WFC, ACCUM, WFCENTER	F814W			Pattern 1, Exps 3-4 (1) Prime + Parallel Group 3-4	339 Secs [==>557.0 Secs (Pattern 1)] [==>557.0 Secs (Pattern 2)]	[1]



Proposal 11663 - Visit 10 - Formation and Evolution of Massive Galaxies in the Richest Environments at $1.5 < z < 2.0$

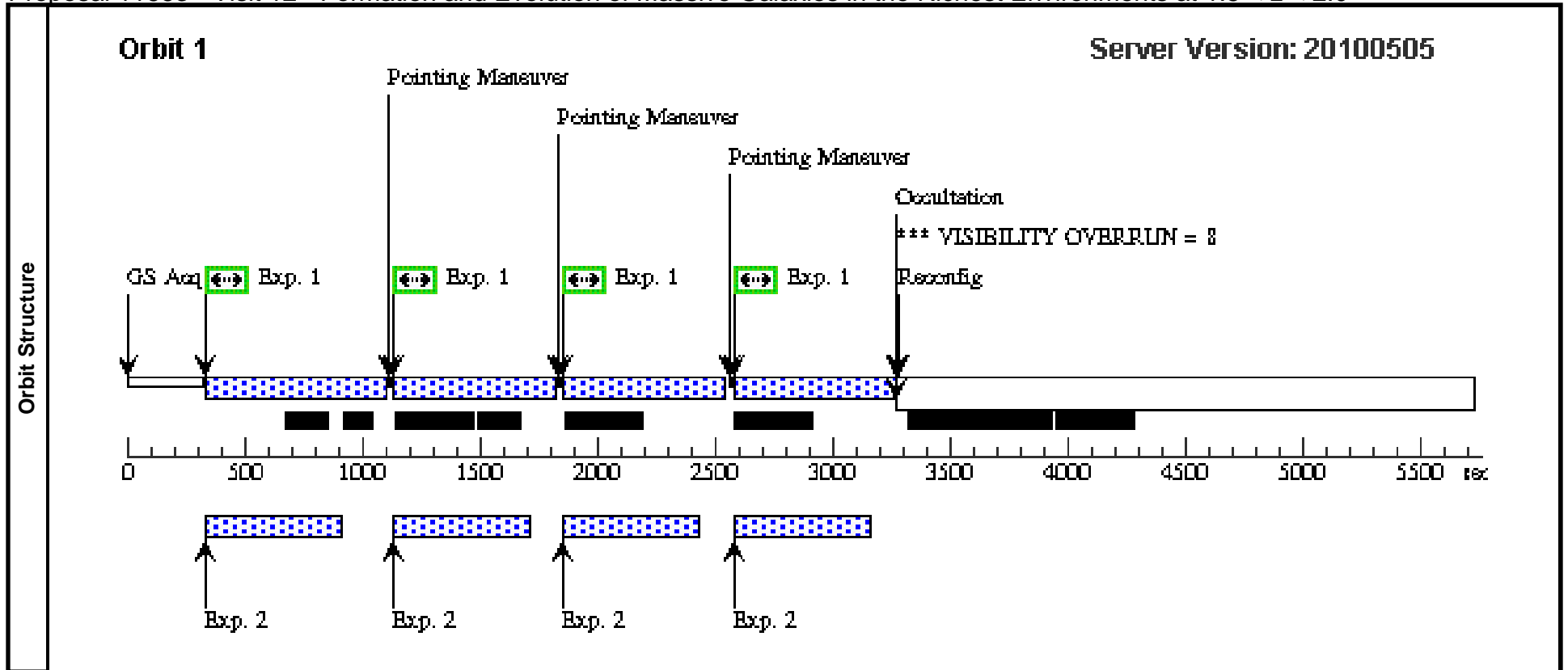
Sat Jun 05 01:03:30 GMT 2010

Visit	Proposal 11663, Visit 11, scheduling Diagnostic Status: Warning Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: ORIENT 134D TO 134 D										
	(Visit 11) Warning (Orbit Planner): VISIBILITY OVERRUN										
Diagnosics											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(3)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.265 Line Spacing=0.187				Coordinate Frame=POS-TARG Pattern Orientation=20.67 Angle Between Sides=69.05 Center Pattern=false				(1-2)	
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes	Miscellaneous		
	(4)	25.260	RA: 14 27 24.3130 (216.8513042d) Dec: +33 42 42.02 (33.71167d) Equinox: J2000					V=27	Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	10.106_ACS primary_a	(4) 25.260	ACS/WFC, ACCUM, WFCENTER	F814W			Pattern 3, Exps 1-2 (3) Prime + Parallel Group 1-2	540 Secs [==>564.0 Secs (Pattern 1)] [==>564.0 Secs (Pattern 2)] [==>564.0 Secs (Pattern 3)] [==>564.0 Secs (Pattern 4)]	[1]	
2	10.106par_ ACSprimary_a	(4) 25.260	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=12; SAMP-SEQ=SPAR S50		Pattern 3, Exps 1-2 (3) Prime + Parallel Group 1-2	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]		



Proposal 11663 - Visit 11 - Formation and Evolution of Massive Galaxies in the Richest Environments at $1.5 < z < 2.0$

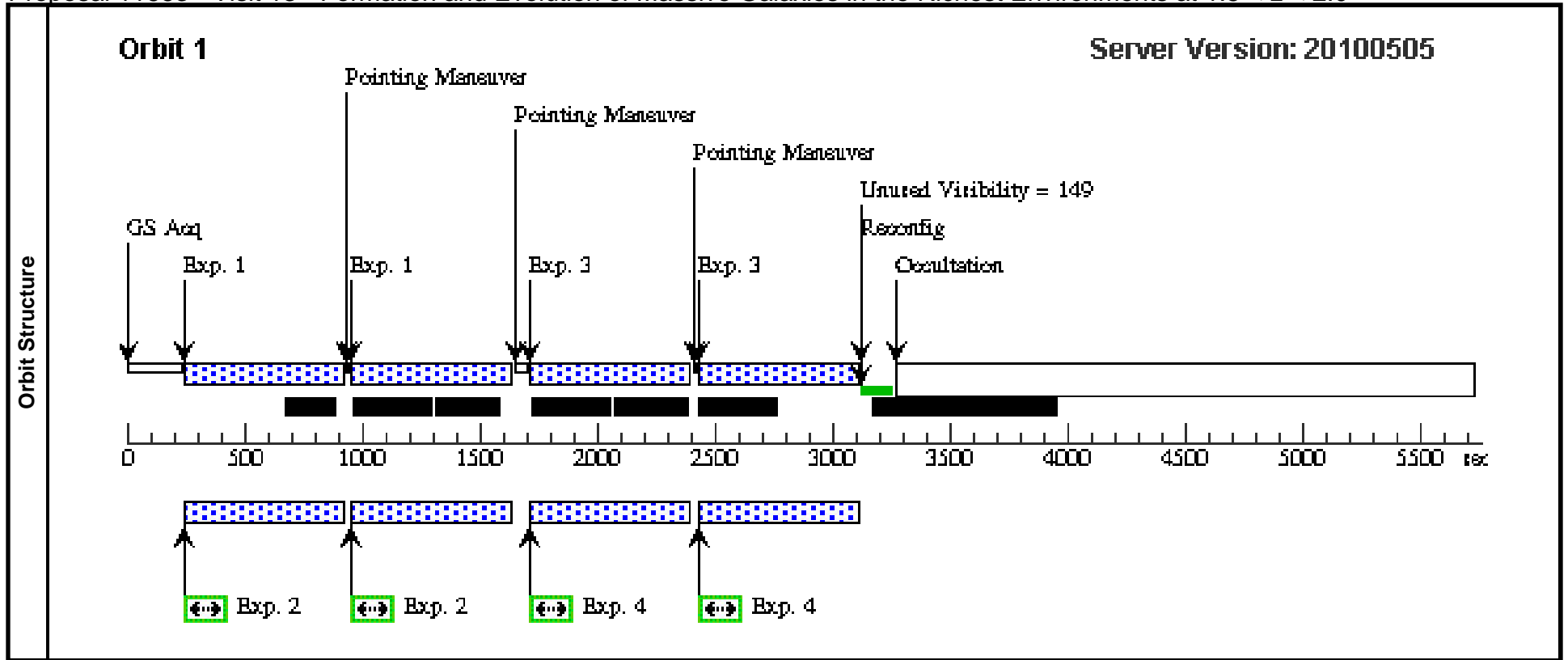
Visit	Proposal 11663, Visit 12, scheduling Sat Jun 05 01:03:31 GMT 2010 Diagnostic Status: Warning Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: ORIENT 134D TO 134 D									
Diagnostics	(Visit 12) Warning (Orbit Planner): VISIBILITY OVERRUN									
Patterns	#	Primary Pattern				Secondary Pattern				Exposures
	(3)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.265 Line Spacing=0.187				Coordinate Frame=POS-TARG Pattern Orientation=20.67 Angle Between Sides=69.05 Center Pattern=false				(1-2)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(4)	25.260	RA: 14 27 24.3130 (216.8513042d) Dec: +33 42 42.02 (33.71167d) Equinox: J2000			V=27	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	10.106_ACS primary_b	(4) 25.260	ACS/WFC, ACCUM, WFCENTER	F814W		POS TARG 1.0,1.0	Pattern 3, Exps 1-2 (3) Prime + Parallel Group 1-2	540 Secs [==>564.0 Secs (Pattern 1)] [==>564.0 Secs (Pattern 2)] [==>564.0 Secs (Pattern 3)] [==>564.0 Secs (Pattern 4)]	[1]
	2	10.106par_ ACSprimary_b	(4) 25.260	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=12; SAMP-SEQ=SPAR S50		Pattern 3, Exps 1-2 (3) Prime + Parallel Group 1-2	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]



Proposal 11663 - Visit 12 - Formation and Evolution of Massive Galaxies in the Richest Environments at $1.5 < z < 2.0$

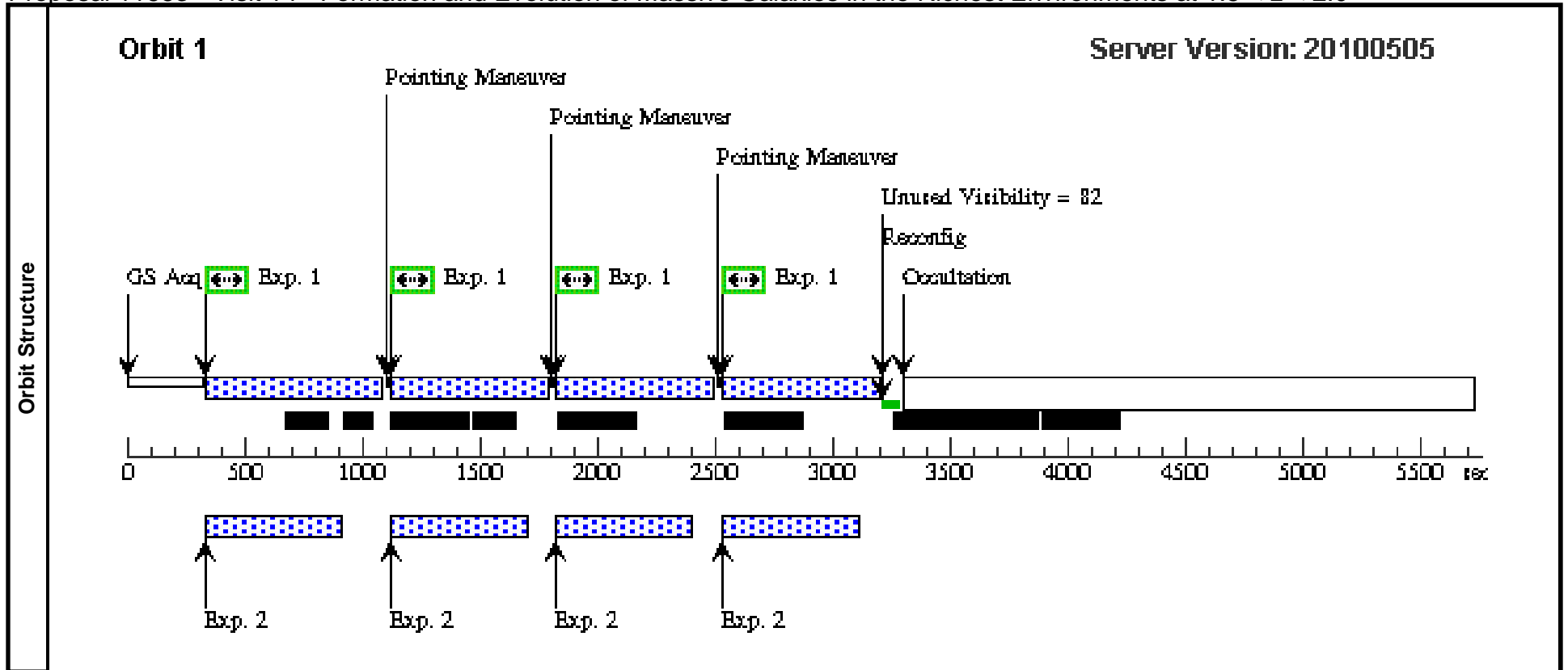
Sat Jun 05 01:03:31 GMT 2010

Visit	Proposal 11663, Visit 13, scheduling Diagnostic Status: Warning Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: ORIENT 112.0D TO 115.5 D										
	(Visit 13) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE										
Diagnosics											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	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), (3-4)	
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes	Miscellaneous		
	(4)	25.260	RA: 14 27 24.3130 (216.8513042d) Dec: +33 42 42.02 (33.71167d) Equinox: J2000					V=27	Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	10.106_WF C3primary_a	(4) 25.260	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=14; SAMP-SEQ=SPAR S50	POS TARG 0,-61; GS ACQ SCENARIO SINGLE	Pattern 1, Exps 1-2 (1) Prime + Parallel Group 1-2	[==>(Pattern 1)] [==>(Pattern 2)]		[1]
	2	10.106par_WFC3primary_a	(4) 25.260	ACS/WFC, ACCUM, WFCENTER	F814W			Pattern 1, Exps 1-2 (1) Prime + Parallel Group 1-2	339 Secs [==>475.0 Secs (Pattern 1)] [==>557.0 Secs (Pattern 2)]		[1]
	3	10.106_WF C3primary_b	(4) 25.260	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=14; SAMP-SEQ=SPAR S50	POS TARG null,61	Pattern 1, Exps 3-4 (1) Prime + Parallel Group 3-4	[==>(Pattern 1)] [==>(Pattern 2)]		[1]
	4	10.106par_WFC3primary_b	(4) 25.260	ACS/WFC, ACCUM, WFCENTER	F814W			Pattern 1, Exps 3-4 (1) Prime + Parallel Group 3-4	339 Secs [==>557.0 Secs (Pattern 1)] [==>557.0 Secs (Pattern 2)]		[1]



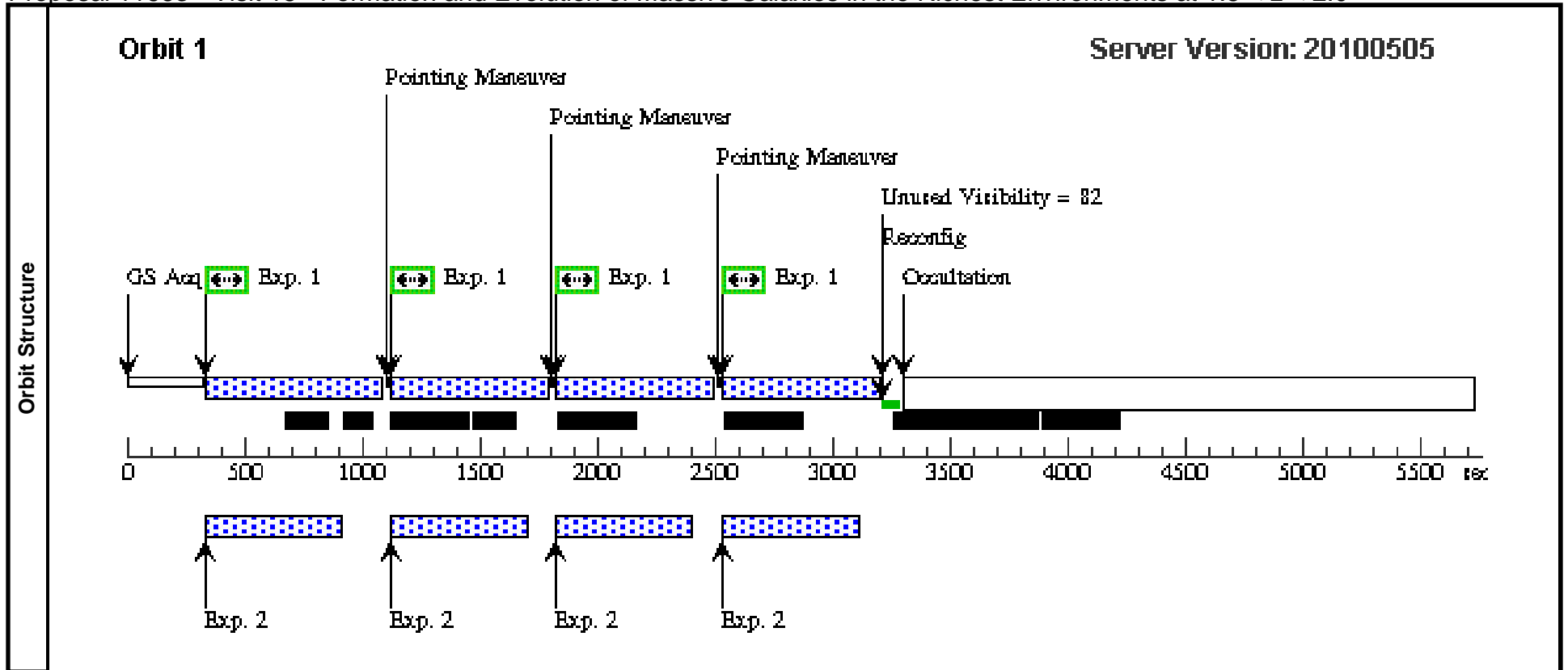
Proposal 11663 - Visit 13 - Formation and Evolution of Massive Galaxies in the Richest Environments at $1.5 < z < 2.0$

Visit	Proposal 11663, Visit 14, completed Sat Jun 05 01:03:31 GMT 2010 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: ORIENT 228D TO 246 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(3)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.265 Line Spacing=0.187	Coordinate Frame=POS-TARG Pattern Orientation=20.67 Angle Between Sides=69.05 Center Pattern=false		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(5)	25.659	RA: 14 24 46.4348 (216.1934783d) Dec: +35 03 36.46 (35.06013d) Equinox: J2000		V=27	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	10.316_ACS_primary_a	(5) 25.659	ACS/WFC, ACCUM, WFCENTER	F814W		NSAMP=12; SAMP-SEQ=SPAR S50	GS ACQ SCENARIO BASE1B3	Pattern 3, Exps 1-2 (3) Prime + Parallel Group 1-2	540 Secs [==>548.0 Secs (Pattern 1)] [==>548.0 Secs (Pattern 2)] [==>548.0 Secs (Pattern 3)] [==>548.0 Secs (Pattern 4)]
2	10.316par_ACSprimary_a	(5) 25.659	WFC3/IR, MULTIACCUM, IR-FIX	F160W				Pattern 3, Exps 1-2 (3) Prime + Parallel Group 1-2	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]



Proposal 11663 - Visit 14 - Formation and Evolution of Massive Galaxies in the Richest Environments at $1.5 < z < 2.0$

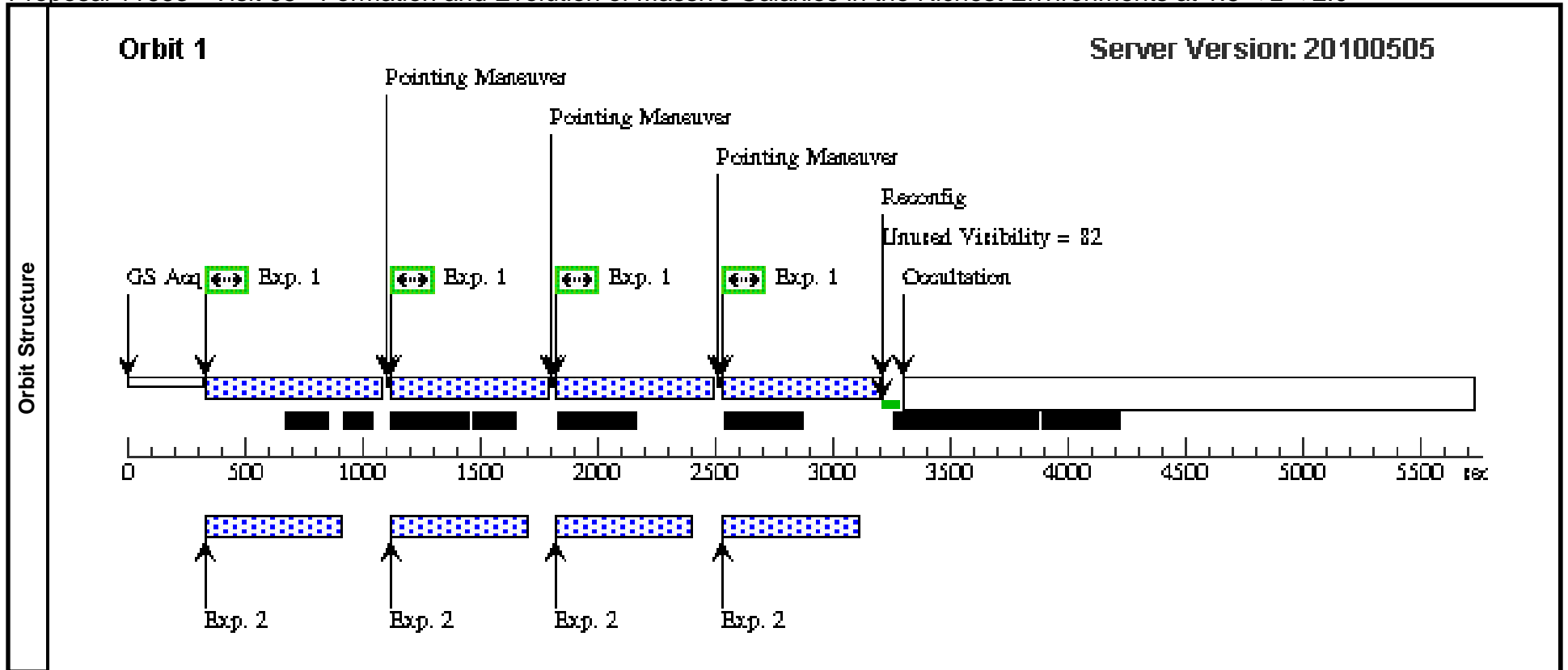
Visit	Proposal 11663, Visit 15, failed Sat Jun 05 01:03:32 GMT 2010 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: ORIENT 228D TO 246 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(3)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.265 Line Spacing=0.187	Coordinate Frame=POS-TARG Pattern Orientation=20.67 Angle Between Sides=69.05 Center Pattern=false		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(5)	25.659	RA: 14 24 46.4348 (216.1934783d) Dec: +35 03 36.46 (35.06013d) Equinox: J2000		V=27	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	10.316_ACS primary_b	(5) 25.659	ACS/WFC, ACCUM, WFCENTER	F814W		NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG 1.0,1.0; GS ACQ SCENARI O BASE1B3	Pattern 3, Exps 1-2 (3) Prime + Parallel Group 1-2	540 Secs [==>548.0 Secs (Pattern 1)] [==>548.0 Secs (Pattern 2)] [==>548.0 Secs (Pattern 3)] [==>548.0 Secs (Pattern 4)]
2	10.316par_ ACSprimary_b	(5) 25.659	WFC3/IR, MULTIACCUM, IR-FIX	F160W				Pattern 3, Exps 1-2 (3) Prime + Parallel Group 1-2	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]



Proposal 11663 - Visit 15 - Formation and Evolution of Massive Galaxies in the Richest Environments at $1.5 < z < 2.0$

Sat Jun 05 01:03:32 GMT 2010

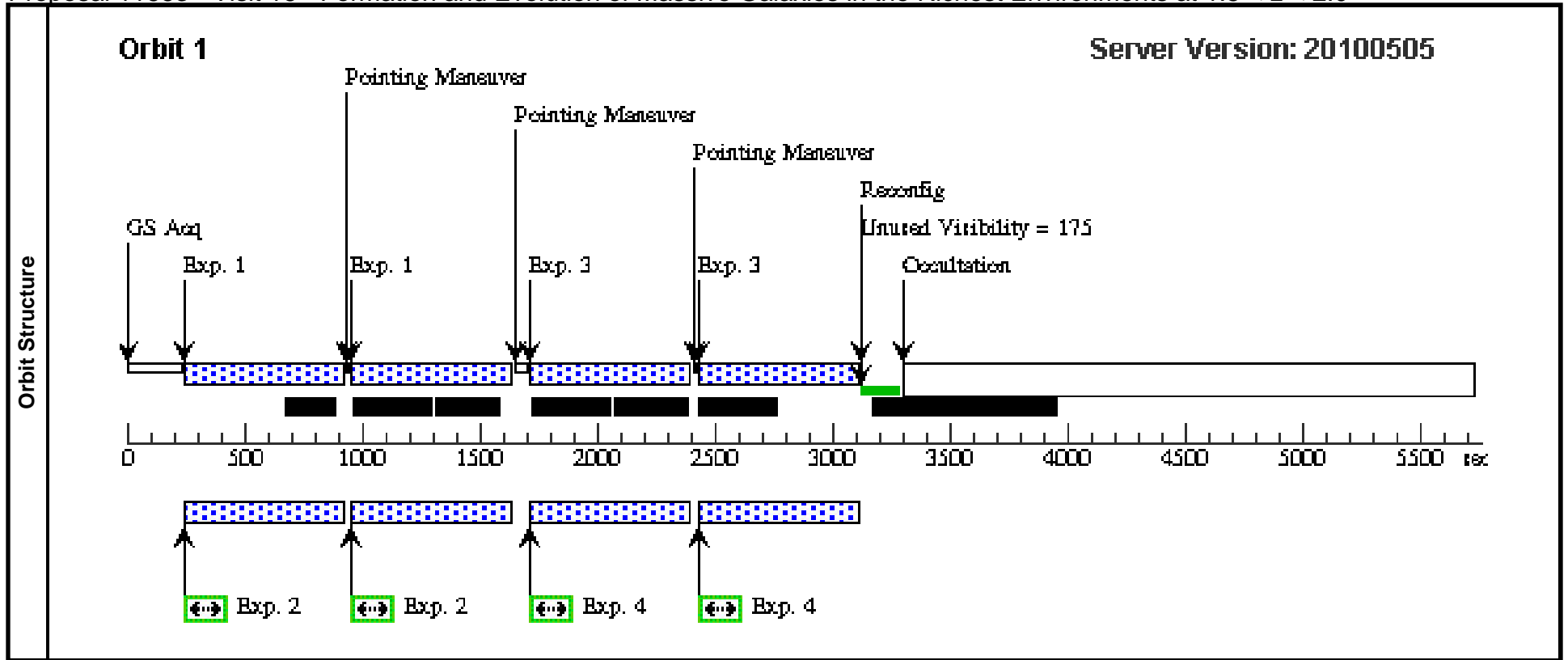
Visit	Proposal 11663, Visit 65, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: ORIENT 63D TO 66 D; ORIENT 121D TO 127 D Comments: Repeat of visit 15.									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(3)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.265 Line Spacing=0.187	Coordinate Frame=POS-TARG Pattern Orientation=20.67 Angle Between Sides=69.05 Center Pattern=false		(1-2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(5)	25.659	RA: 14 24 46.4348 (216.1934783d) Dec: +35 03 36.46 (35.06013d) Equinox: J2000		V=27	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	10.316_ACS_primary_b	(5) 25.659	ACS/WFC, ACCUM, WFCENTER	F814W		NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG 1.0,1.0; GS ACQ SCENARI O BASE1B3	Pattern 3, Exps 1-2 (3) Prime + Parallel Group 1-2	540 Secs [==>548.0 Secs (Pattern 1)] [==>548.0 Secs (Pattern 2)] [==>548.0 Secs (Pattern 3)] [==>548.0 Secs (Pattern 4)]
2	10.316par_ACSprimary_b	(5) 25.659	WFC3/IR, MULTIACCUM, IR-FIX	F160W				Pattern 3, Exps 1-2 (3) Prime + Parallel Group 1-2	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]



Proposal 11663 - Visit 65 - Formation and Evolution of Massive Galaxies in the Richest Environments at $1.5 < z < 2.0$

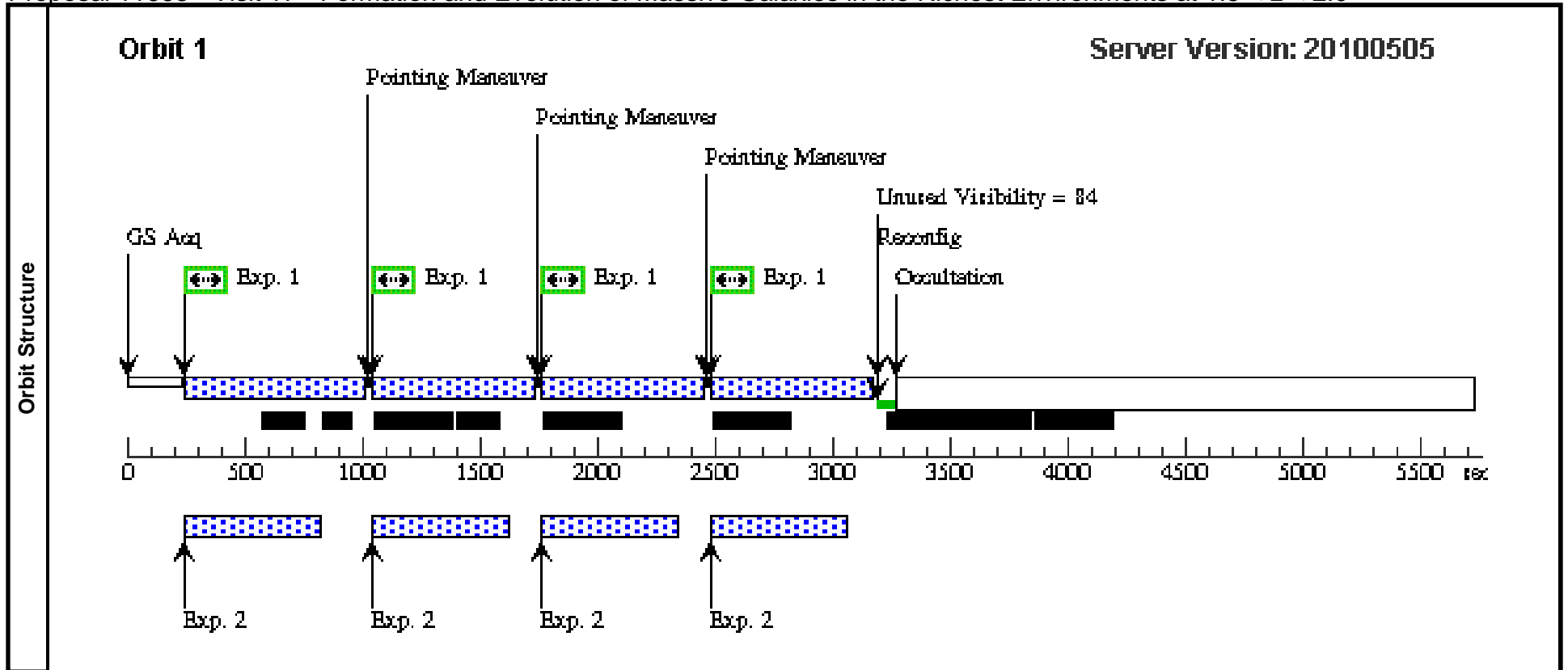
Sat Jun 05 01:03:32 GMT 2010

Visit	Proposal 11663, Visit 16, completed Diagnostic Status: Warning Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: ORIENT 240.1D TO 240.1 D									
	(Visit 16) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE									
Diagnosics										
Patterns	#	Primary Pattern		Secondary Pattern		Exposures				
	(1)	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), (3-4)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(5)	25.659	RA: 14 24 46.4348 (216.1934783d) Dec: +35 03 36.46 (35.06013d) Equinox: J2000		V=27	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	10.316_WF C3primary_a	(5) 25.659	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=14; SAMP-SEQ=SPAR S50	POS TARG 0,-61; GS ACQ SCENARI O SINGLE	Pattern 1, Exps 1-2 (1) Prime + Parallel Group 1-2	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	10.316par_WFC3primary_a	(5) 25.659	ACS/WFC, ACCUM, WFCENTER	F814W			Pattern 1, Exps 1-2 (1) Prime + Parallel Group 1-2	339 Secs [==>475.0 Secs (Pattern 1)] [==>557.0 Secs (Pattern 2)]	[1]
	3	10.316_WF C3primary_b	(5) 25.659	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=14; SAMP-SEQ=SPAR S50	POS TARG null,61	Pattern 1, Exps 3-4 (1) Prime + Parallel Group 3-4	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	10.316par_WFC3primary_b	(5) 25.659	ACS/WFC, ACCUM, WFCENTER	F814W			Pattern 1, Exps 3-4 (1) Prime + Parallel Group 3-4	339 Secs [==>557.0 Secs (Pattern 1)] [==>557.0 Secs (Pattern 2)]	[1]



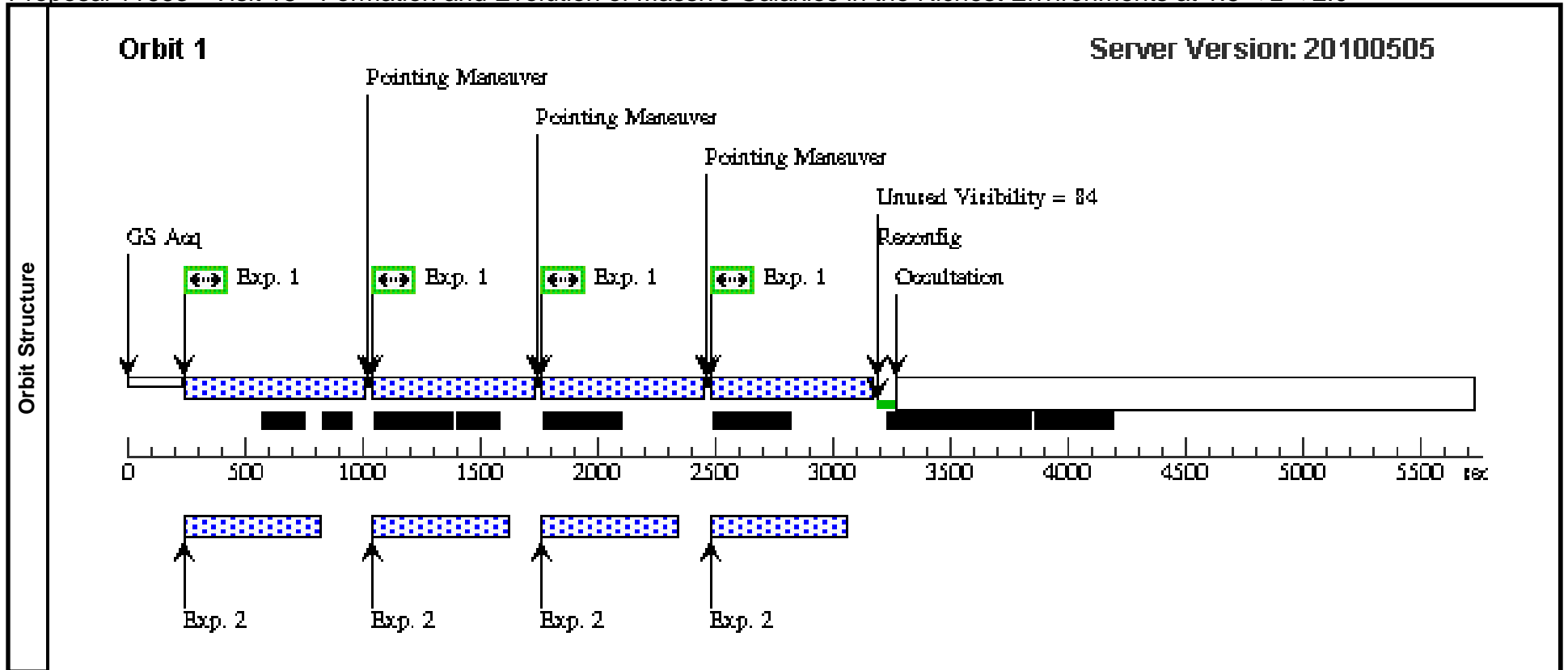
Proposal 11663 - Visit 16 - Formation and Evolution of Massive Galaxies in the Richest Environments at $1.5 < z < 2.0$

Visit	Proposal 11663, Visit 17, completed Sat Jun 05 01:03:33 GMT 2010 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: ORIENT 172D TO 174.2 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(3)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.265 Line Spacing=0.187	Coordinate Frame=POS-TARG Pattern Orientation=20.67 Angle Between Sides=69.05 Center Pattern=false		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(6)	25.352	RA: 14 35 30.1124 (218.8754683d) Dec: +34 02 14.68 (34.03741d) Equinox: J2000		V=27	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	10.250_ACS primary_a	(6) 25.352	ACS/WFC, ACCUM, WFCENTER	F814W			GS ACQ SCENARIO SINGLE	Pattern 3, Exps 1-2 (3) Prime + Parallel Group 1-2	540 Secs [==>564.0 Secs (Pattern 1)] [==>564.0 Secs (Pattern 2)] [==>564.0 Secs (Pattern 3)] [==>564.0 Secs (Pattern 4)]
2	10.250par_ ACSprimary_a	(6) 25.352	WFC3/IR, MULTIACCUM, IR-FIX	F160W		NSAMP=12; SAMP-SEQ=SPAR S50		Pattern 3, Exps 1-2 (3) Prime + Parallel Group 1-2	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]



Proposal 11663 - Visit 17 - Formation and Evolution of Massive Galaxies in the Richest Environments at $1.5 < z < 2.0$

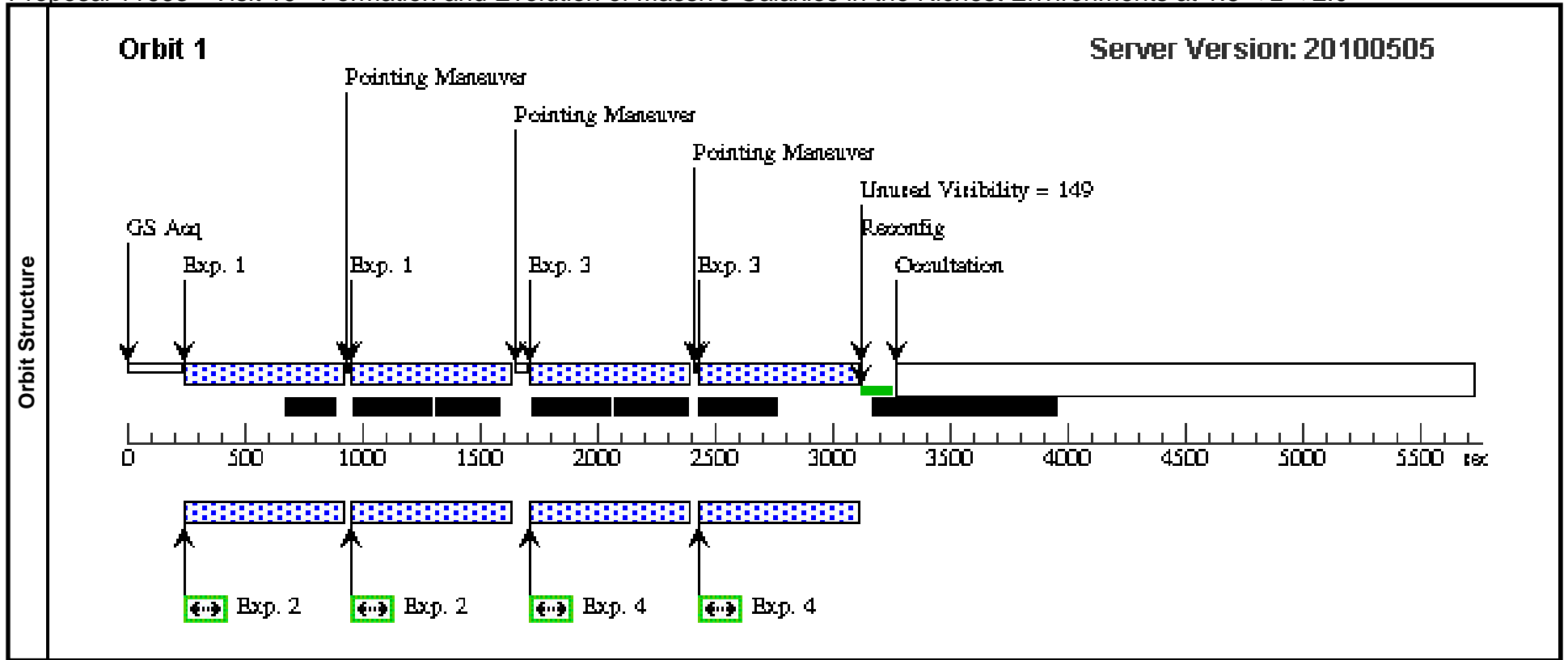
Visit	Proposal 11663, Visit 18, completed Sat Jun 05 01:03:33 GMT 2010 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: ORIENT 172D TO 174.2 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(3)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.265 Line Spacing=0.187	Coordinate Frame=POS-TARG Pattern Orientation=20.67 Angle Between Sides=69.05 Center Pattern=false		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(6)	25.352	RA: 14 35 30.1124 (218.8754683d) Dec: +34 02 14.68 (34.03741d) Equinox: J2000		V=27	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	10.250_ACS primary_b	(6) 25.352	ACS/WFC, ACCUM, WFCENTER	F814W		NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG 1.0,1.0; GS ACQ SCENARI O SINGLE	Pattern 3, Exps 1-2 (3) Prime + Parallel Group 1-2	540 Secs [==>564.0 Secs (Pattern 1)] [==>564.0 Secs (Pattern 2)] [==>564.0 Secs (Pattern 3)] [==>564.0 Secs (Pattern 4)]
2	10.250par_ ACSprimary_b	(6) 25.352	WFC3/IR, MULTIACCUM, IR-FIX	F160W				Pattern 3, Exps 1-2 (3) Prime + Parallel Group 1-2	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]



Proposal 11663 - Visit 18 - Formation and Evolution of Massive Galaxies in the Richest Environments at $1.5 < z < 2.0$

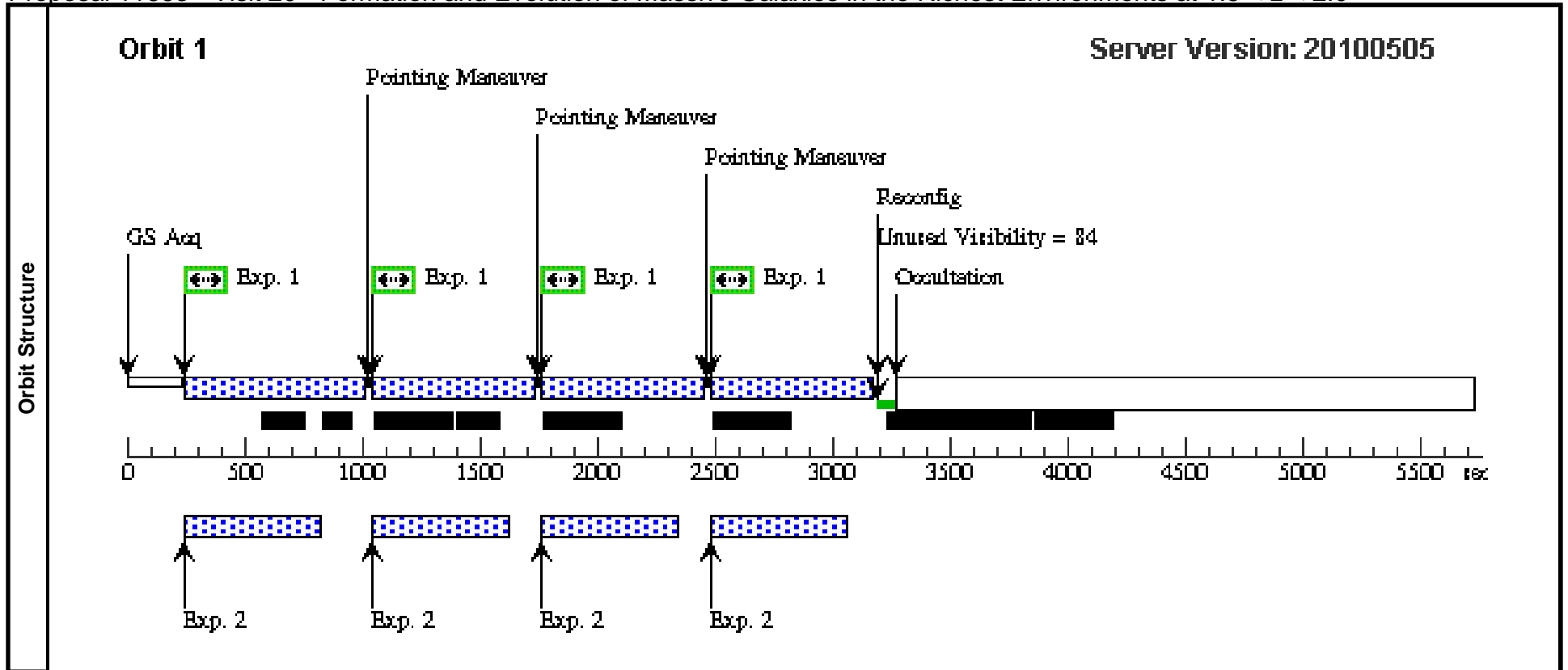
Sat Jun 05 01:03:33 GMT 2010

Visit	Proposal 11663, Visit 19, scheduling Diagnostic Status: Warning Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: ORIENT 83D TO 83 D										
	(Visit 19) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE										
Diagnos											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	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), (3-4)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(6)	25.352	RA: 14 35 30.1124 (218.8754683d) Dec: +34 02 14.68 (34.03741d) Equinox: J2000				V=27		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1	10.250_WF C3primary_ a	(6) 25.352	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=14; SAMP-SEQ=SPAR S50	POS TARG 0,-61; GS ACQ SCENARI O SINGLE	Pattern 1, Exps 1-2 (1) Prime + Parallel Group 1-2	[==>(Pattern 1)] [==>(Pattern 2)]	[1]	
	2	10.250par_ WFC3prima ry_a	(6) 25.352	ACS/WFC, ACCUM, WFCENTER	F814W			Pattern 1, Exps 1-2 (1) Prime + Parallel Group 1-2	339 Secs [==>475.0 Secs (Pattern 1)] [==>557.0 Secs (Pattern 2)]	[1]	
	3	10.250_WF C3primary_ b	(6) 25.352	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=14; SAMP-SEQ=SPAR S50	POS TARG null,61	Pattern 1, Exps 3-4 (1) Prime + Parallel Group 3-4	[==>(Pattern 1)] [==>(Pattern 2)]	[1]	
	4	10.250par_ WFC3prima ry_b	(6) 25.352	ACS/WFC, ACCUM, WFCENTER	F814W			Pattern 1, Exps 3-4 (1) Prime + Parallel Group 3-4	339 Secs [==>557.0 Secs (Pattern 1)] [==>557.0 Secs (Pattern 2)]	[1]	



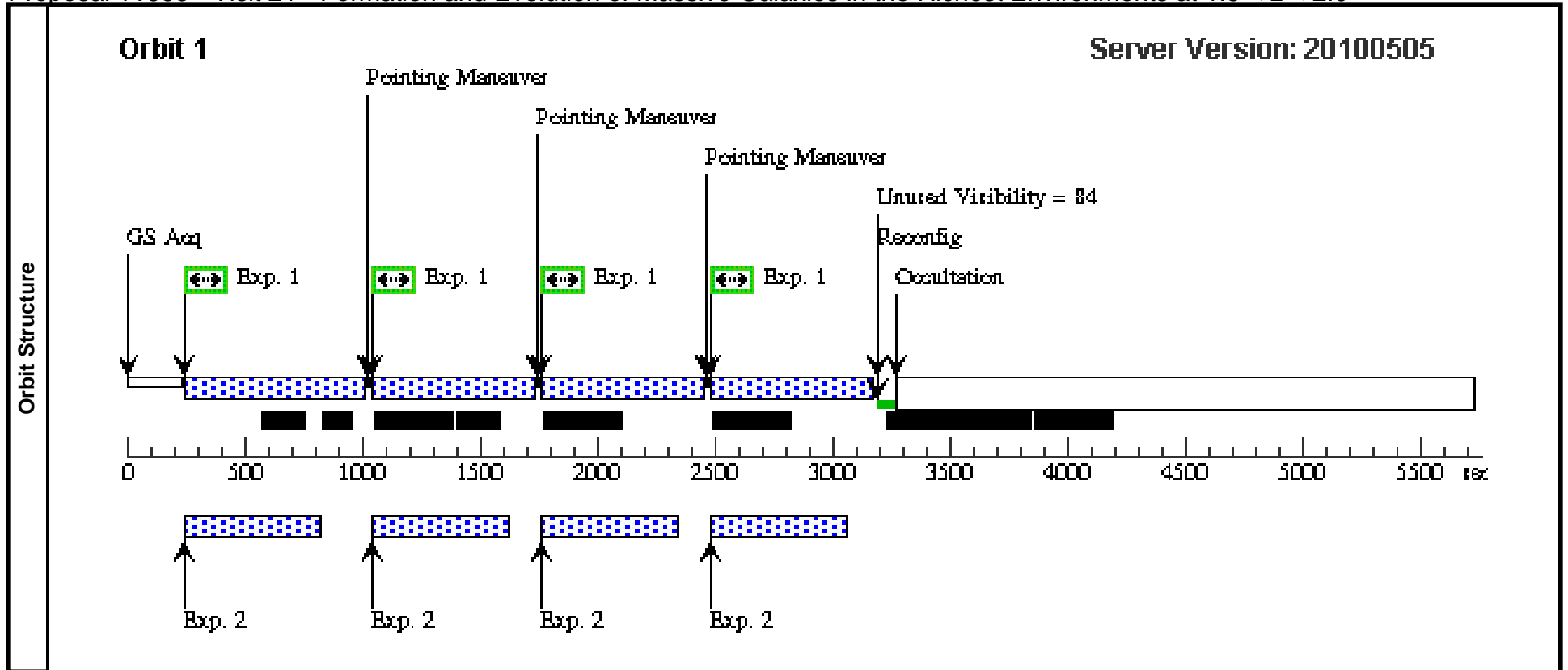
Proposal 11663 - Visit 19 - Formation and Evolution of Massive Galaxies in the Richest Environments at $1.5 < z < 2.0$

Visit	Proposal 11663, Visit 20, completed Sat Jun 05 01:03:34 GMT 2010 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: ORIENT 154D TO 154 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(3)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.265 Line Spacing=0.187	Coordinate Frame=POS-TARG Pattern Orientation=20.67 Angle Between Sides=69.05 Center Pattern=false		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(7)	25.128	RA: 14 33 15.9163 (218.3163179d) Dec: +33 07 7.96 (33.11888d) Equinox: J2000		V=27	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	10.101_ACS primary_a	(7) 25.128	ACS/WFC, ACCUM, WFCENTER	F814W			GS ACQ SCENARIO SINGLE	Pattern 3, Exps 1-2 (3) Prime + Parallel Group 1-2	540 Secs [==>564.0 Secs (Pattern 1)] [==>564.0 Secs (Pattern 2)] [==>564.0 Secs (Pattern 3)] [==>564.0 Secs (Pattern 4)]
2	10.101par_ ACSprimary_a	(7) 25.128	WFC3/IR, MULTIACCUM, IR-FIX	F160W		NSAMP=12; SAMP-SEQ=SPAR S50		Pattern 3, Exps 1-2 (3) Prime + Parallel Group 1-2	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]



Proposal 11663 - Visit 20 - Formation and Evolution of Massive Galaxies in the Richest Environments at $1.5 < z < 2.0$

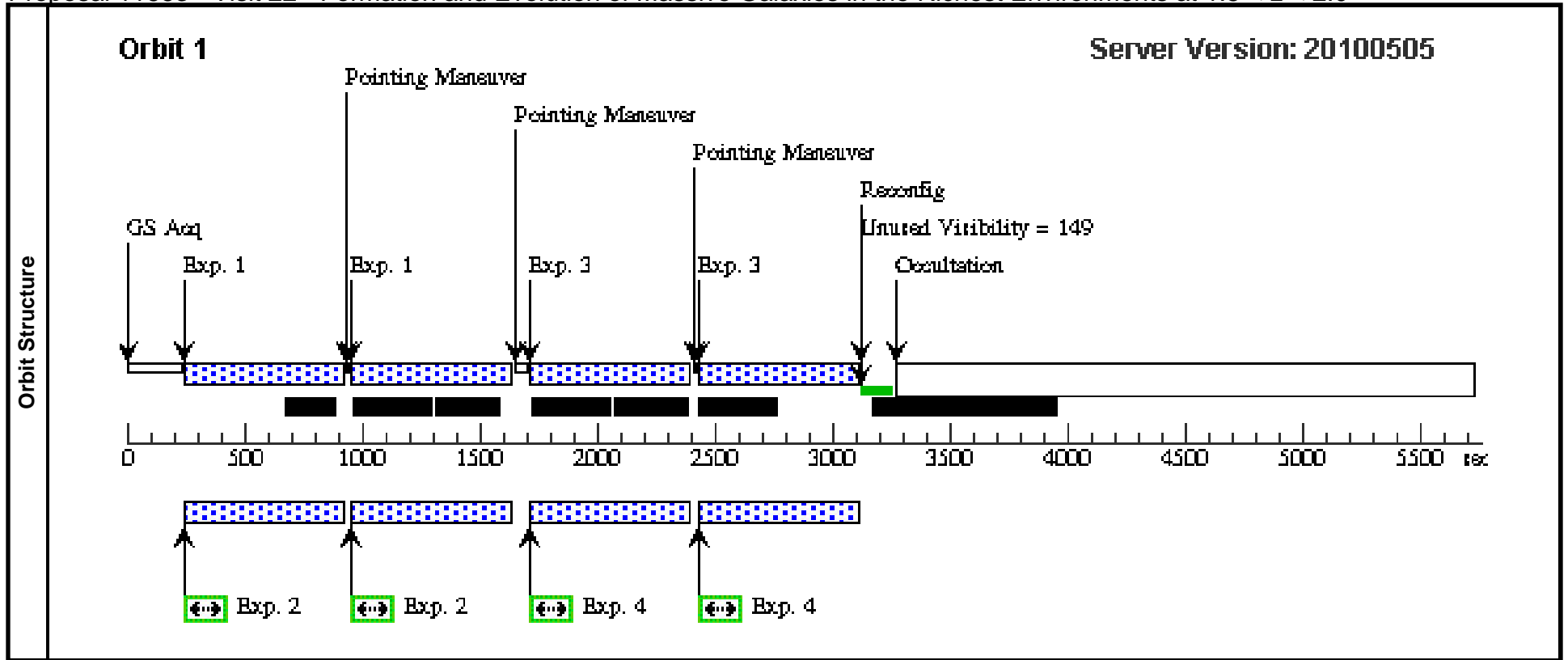
Visit	Proposal 11663, Visit 21, completed Sat Jun 05 01:03:34 GMT 2010 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: ORIENT 154D TO 154 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(3)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.265 Line Spacing=0.187	Coordinate Frame=POS-TARG Pattern Orientation=20.67 Angle Between Sides=69.05 Center Pattern=false		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(7)	25.128	RA: 14 33 15.9163 (218.3163179d) Dec: +33 07 7.96 (33.11888d) Equinox: J2000		V=27	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	10.101_ACS primary_b	(7) 25.128	ACS/WFC, ACCUM, WFCENTER	F814W		POS TARG 1.0,1.0; GS ACQ SCENARI O SINGLE	Pattern 3, Exps 1-2 (3) Prime + Parallel Group 1-2	540 Secs [==>564.0 Secs (Pattern 1)] [==>564.0 Secs (Pattern 2)] [==>564.0 Secs (Pattern 3)] [==>564.0 Secs (Pattern 4)]	[1]
2	10.101par_ ACSprimary_b	(7) 25.128	WFC3/IR, MULTIACCUM, IR-FIX	F160W		NSAMP=12; SAMP-SEQ=SPAR S50	Pattern 3, Exps 1-2 (3) Prime + Parallel Group 1-2	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]	



Proposal 11663 - Visit 21 - Formation and Evolution of Massive Galaxies in the Richest Environments at $1.5 < z < 2.0$

Sat Jun 05 01:03:34 GMT 2010

Visit	Proposal 11663, Visit 22, failed Diagnostic Status: Warning Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: ORIENT 225.5D TO 231.5 D										
	(Visit 22) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE										
Diagnosics											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	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), (3-4)	
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes	Miscellaneous		
	(7)	25.128	RA: 14 33 15.9163 (218.3163179d) Dec: +33 07 7.96 (33.11888d) Equinox: J2000					V=27	Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	10.101_WF C3primary_ a	(7) 25.128	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=14; SAMP-SEQ=SPAR S50	POS TARG 0,-61; GS ACQ SCENARI O SINGLE	Pattern 1, Exps 1-2 (1) Prime + Parallel Group 1-2	[==>(Pattern 1)] [==>(Pattern 2)]		[1]
	2	10.101par_ WFC3prima ry_a	(7) 25.128	ACS/WFC, ACCUM, WFCENTER	F814W			Pattern 1, Exps 1-2 (1) Prime + Parallel Group 1-2	339 Secs [==>475.0 Secs (Pattern 1)] [==>557.0 Secs (Pattern 2)]		[1]
	3	10.101_WF C3primary_ b	(7) 25.128	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=14; SAMP-SEQ=SPAR S50	POS TARG null,61	Pattern 1, Exps 3-4 (1) Prime + Parallel Group 3-4	[==>(Pattern 1)] [==>(Pattern 2)]		[1]
	4	10.101par_ WFC3prima ry_b	(7) 25.128	ACS/WFC, ACCUM, WFCENTER	F814W			Pattern 1, Exps 3-4 (1) Prime + Parallel Group 3-4	339 Secs [==>557.0 Secs (Pattern 1)] [==>557.0 Secs (Pattern 2)]		[1]



Proposal 11663 - Visit 22 - Formation and Evolution of Massive Galaxies in the Richest Environments at $1.5 < z < 2.0$

Sat Jun 05 01:03:35 GMT 2010

Visit	Proposal 11663, Visit 72, implementation Diagnostic Status: Warning Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: ORIENT 133D TO 140 D; ORIENT 65D TO 98 D; ORIENT 342D TO 347.5 D <i>Comments: Repeat of visit 22.</i>									
	(Visit 72) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE									
Diagnosics										
Patterns	#	Primary Pattern	Secondary Pattern	Exposures						
	(1)	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), (3-4)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(7)	25.128	RA: 14 33 15.9163 (218.3163179d) Dec: +33 07 7.96 (33.11888d) Equinox: J2000		V=27	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	10.101_WF C3primary_a	(7) 25.128	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=14; SAMP-SEQ=SPAR S50	POS TARG 0,-61; GS ACQ SCENARIO SINGLE	Pattern 1, Exps 1-2 (1) Prime + Parallel Group 1-2	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	10.101par_WFC3primary_a	(7) 25.128	ACS/WFC, ACCUM, WFCENTER	F814W			Pattern 1, Exps 1-2 (1) Prime + Parallel Group 1-2	339 Secs [==>475.0 Secs (Pattern 1)] [==>557.0 Secs (Pattern 2)]	[1]
	3	10.101_WF C3primary_b	(7) 25.128	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=14; SAMP-SEQ=SPAR S50	POS TARG null,61	Pattern 1, Exps 3-4 (1) Prime + Parallel Group 3-4	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	10.101par_WFC3primary_b	(7) 25.128	ACS/WFC, ACCUM, WFCENTER	F814W			Pattern 1, Exps 3-4 (1) Prime + Parallel Group 3-4	339 Secs [==>557.0 Secs (Pattern 1)] [==>557.0 Secs (Pattern 2)]	[1]

