



# 10135 - Unveiling the Progenitors and Physics of Cosmic Explosions

Cycle: 13, Proposal Category: GO

(Large Program)

(Availability Mode: SUPPORTED)

## INVESTIGATORS

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**VISITS**

<i>Visit</i>	<i>Targets</i>	<i>Configurations</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
61	(6) XRF040701	ACS/WFC	2	27-May-2005 15:08:36.0	yes
62	(6) XRF040701	ACS/WFC	2	27-May-2005 15:08:47.0	yes
81	(8) XRF040916	ACS/WFC	2	27-May-2005 15:08:58.0	yes
82	(8) XRF040916	ACS/WFC	2	27-May-2005 15:09:07.0	yes
71	(7) XRF040812	ACS/WFC	2	27-May-2005 15:09:15.0	yes
72	(7) XRF040812	ACS/WFC	2	27-May-2005 15:09:25.0	yes
91	(9) GRB041006	ACS/WFC	3	27-May-2005 15:09:34.0	yes
92	(9) GRB041006	ACS/WFC	2	27-May-2005 15:09:42.0	yes
93	(9) GRB041006	ACS/WFC	2	27-May-2005 15:09:52.0	yes
94	(9) GRB041006	ACS/WFC	2	27-May-2005 15:09:58.0	yes
95	(9) GRB041006	ACS/WFC	2	27-May-2005 15:10:05.0	yes
01	(10) GRB040924	ACS/WFC	3	27-May-2005 15:10:17.0	yes
02	(10) GRB040924	ACS/WFC	2	27-May-2005 15:10:25.0	yes
03	(10) GRB040924	ACS/WFC	2	27-May-2005 15:10:32.0	yes

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<i>Visit</i>	<i>Targets</i>	<i>Configurations</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
04	(10) GRB040924	ACS/WFC	2	27-May-2005 15:10:39.0	yes
06	(11) GRB050416A	ACS/WFC	3	27-May-2005 15:10:50.0	yes
07	(11) GRB050416A	ACS/WFC	2	27-May-2005 15:10:58.0	yes
08	(11) GRB050416A	ACS/WFC	2	27-May-2005 15:11:05.0	yes
09	(11) GRB050416A	ACS/WFC	2	27-May-2005 15:11:12.0	yes
10	(11) GRB050416A	ACS/WFC	2	27-May-2005 15:11:21.0	yes
96	(12) GRB050525	ACS/WFC	3	27-May-2005 15:11:31.0	yes
97	(12) GRB050525	ACS/WFC	2	27-May-2005 15:11:38.0	yes
98	(12) GRB050525	ACS/WFC	2	27-May-2005 15:11:45.0	yes
99	(12) GRB050525	ACS/WFC	2	27-May-2005 15:11:55.0	yes
0A	(12) GRB050525	ACS/WFC	2	27-May-2005 15:12:02.0	yes

54 Total Orbits Used

### ABSTRACT

GRBs and XRFs are clearly highly asymmetric explosions and require a long-lived power source (central engine). In contrast, nearby core-collapse events are essentially spherical explosions. However, the failure of spherical neutrino driven collapses has led to the idea that asymmetric energy release is essential for the explosion. The recent finding of a Type Ic SN in GRB 030329, the association of the low energy event GRB 980425 with SN 1998bw, the theoretical development discussed above and the rise of collapsar models make it timely to consider whether all these explosions contain engines. Given the uncertainties in theoretical modeling it is clear that observations are needed to guide models. A priori there is little reason to expect connection between the ultra-relativistic jet that powers the GRB and the explosive nucleosynthesis of the  $\sim 0.5$  solar masses of Nickel-56 that powers the accompanying supernova. We propose a comprehensive program of ACS photometric searches (and measurements) for SNe associated with GRBs and XRFs. In concert, we will undertake ground-based spectroscopy to determine velocity widths, and measure engine parameters from pan-chromatic afterglow observations. Our goal is to produce a comprehensive database of engine and SN physical parameters

## Proposal 10135 - Overview

against which theoretical modeling will be guided.

### **OBSERVING DESCRIPTION**

Target Sample:

We will trigger on long-duration gamma-ray bursts detected with the Swift satellite, or by other satellites if our criteria for accurate burst localization and redshift ( $z < 1.2$ ) are met.

Observation 1: (SN at optical maximum):

In order to trigger the first SN observation we require that the burst be at redshift  $< 1.2$

This observation will be done in two colors (F675W and F775W or F775W and F850LP) depending on the exact redshift of the event.

Once Observation 1 is triggered, the follow-up observations (2-4) will also be triggered.

Observation 2:  $14(1+z)$  days after Obs 1

To monitor the decay of the SN in one or two filters, depending on the redshift of the event.

Observation 3:  $28(1+z)$  days after Obs 1

To monitor the decay of the SN in one or two filters, depending on the redshift of the event.

Observation 4: 100 days after Obs 1

To observe the host galaxy properties in two filters, (F675W and F775W or F775W and F850LP) depending on the redshift of the event. Also to get a template image of the galaxy for subtraction of earlier epochs.

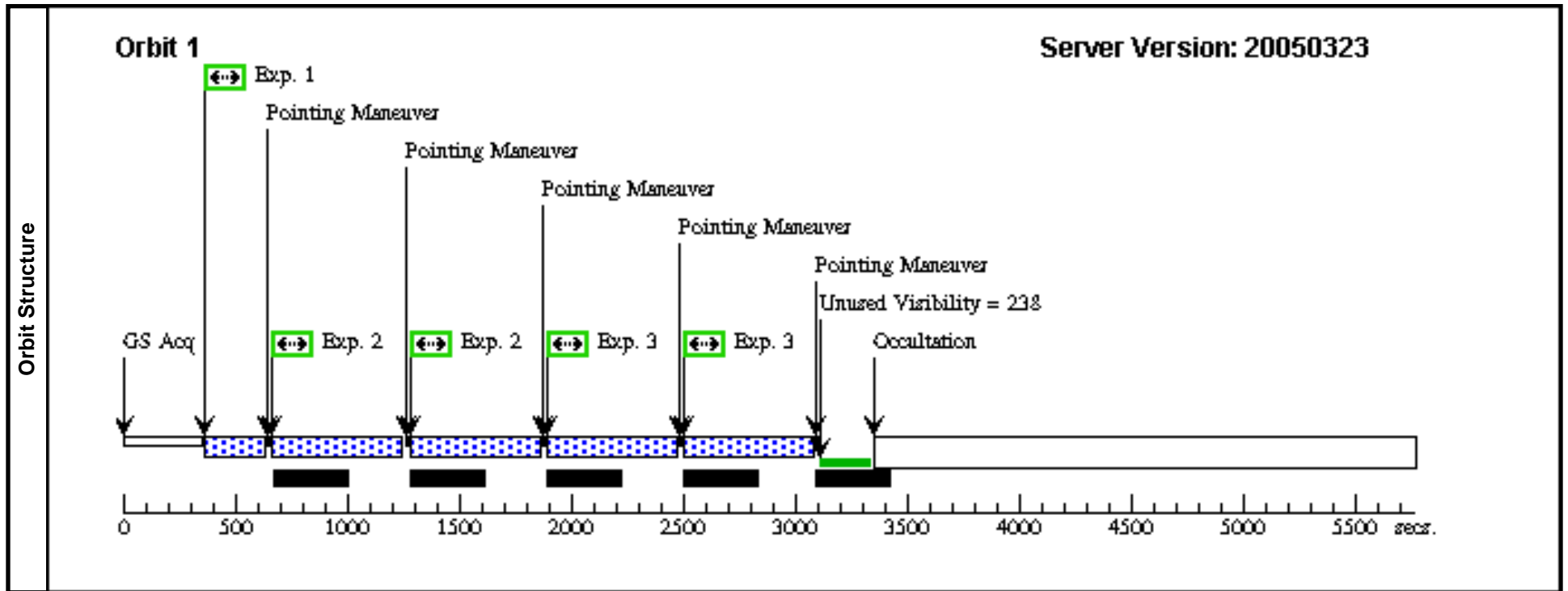
**ADDITIONAL COMMENTS**

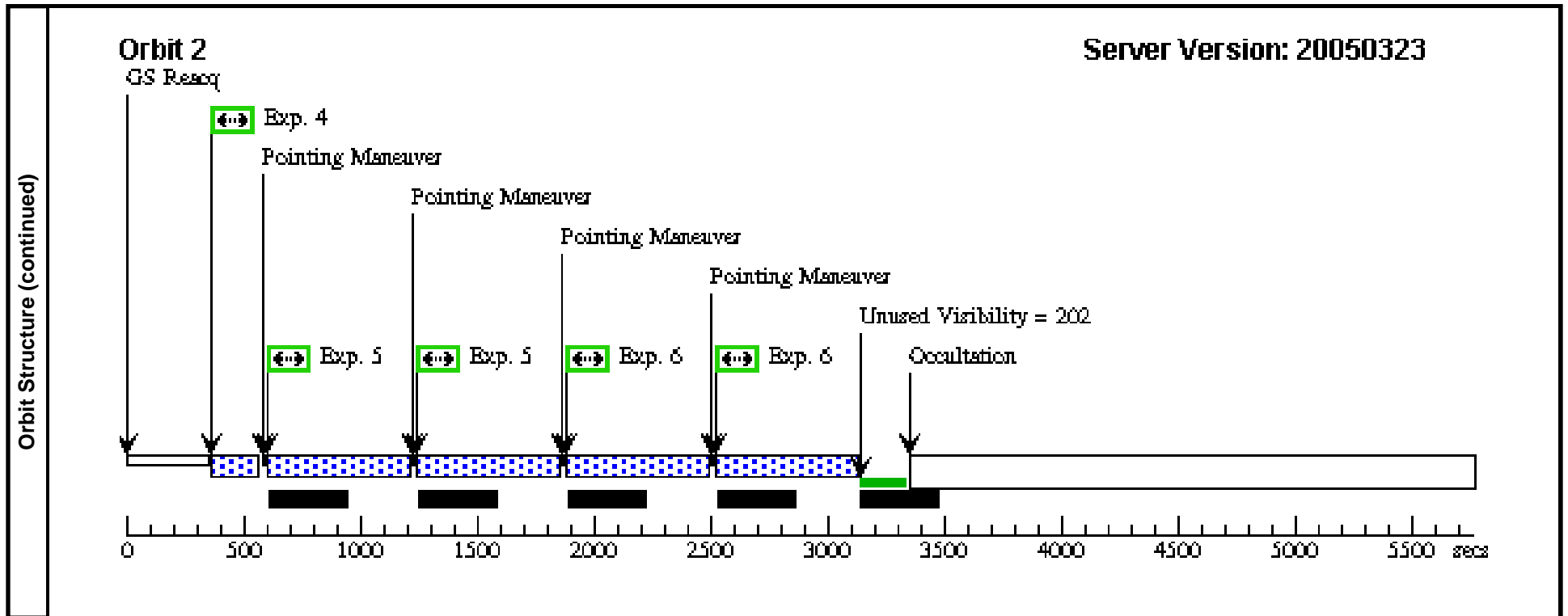
All of our observation sequences will begin with an initial TOO to take place  $14(1+z)$  days after the GRB explosion date. Since we expect our nearest event to be  $z \sim 0.3$ , the fastest TOO will be  $\sim 20$  days.

Proposal 10135 - Visit 61 - Unveiling the Progenitors and Physics of Cosmic Explosions

Fri May 27 19:12:05 GMT 2005

Visit	<b>Proposal 10135, Visit 61</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC Special Requirements: PCS MODE FINE <i>Comments: First observation of XRF040701 at z=0.2146.</i>									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.182 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=true					(2), (3), (5), (6)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(6)	XRF040701	RA: 20 48 16.1000 (312.0670833d) Dec: -40 11 8.83 (-40.18579d) Equinox: J2000 Plate Id: (?)		V=25.0+/-1.0	Coordinate Source: IMAGE_TIED_TO_GSC_FRAME				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(6) XRF040701	(6) XRF040701	ACS/WFC, ACCUM, WFC1	F625W	CR-SPLIT=NO		Sequence 1-3 Non-Int	60.0 Secs [==>]	[1]
	2	(6) XRF040701	(6) XRF040701	ACS/WFC, ACCUM, WFC1	F625W	CR-SPLIT=NO		Sequence 1-3 Non-Int Pattern 2-2 (1)	455.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	(6) XRF040701	(6) XRF040701	ACS/WFC, ACCUM, WFC1	F625W	CR-SPLIT=NO	POS TARG 0.124,0.0095	Sequence 1-3 Non-Int Pattern 3-3 (1)	455.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	(6) XRF040701	(6) XRF040701	ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO		Sequence 4-6 Non-Int	60.0 Secs [==>]	[2]
	5	(6) XRF040701	(6) XRF040701	ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO		Sequence 4-6 Non-Int Pattern 5-5 (1)	485.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[2]
	6	(6) XRF040701	(6) XRF040701	ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO	POS TARG 0.124,0.0095	Sequence 4-6 Non-Int Pattern 6-6 (1)	485.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[2]

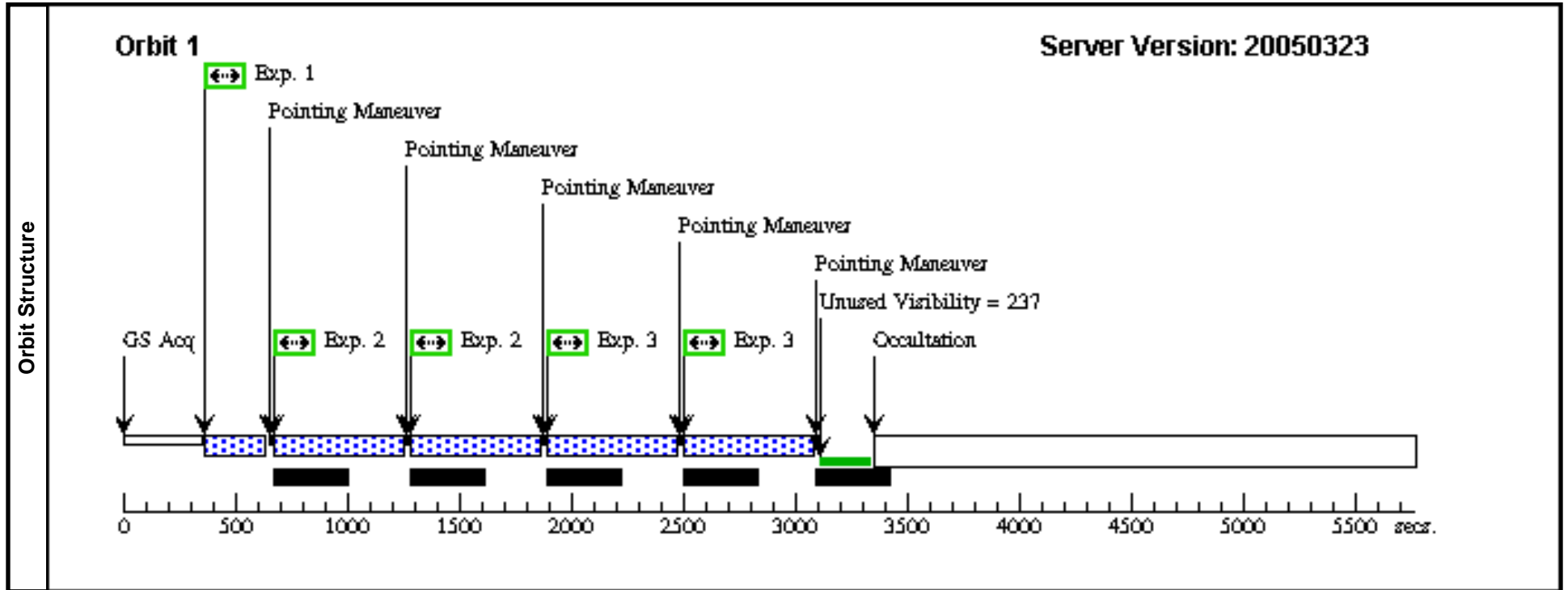


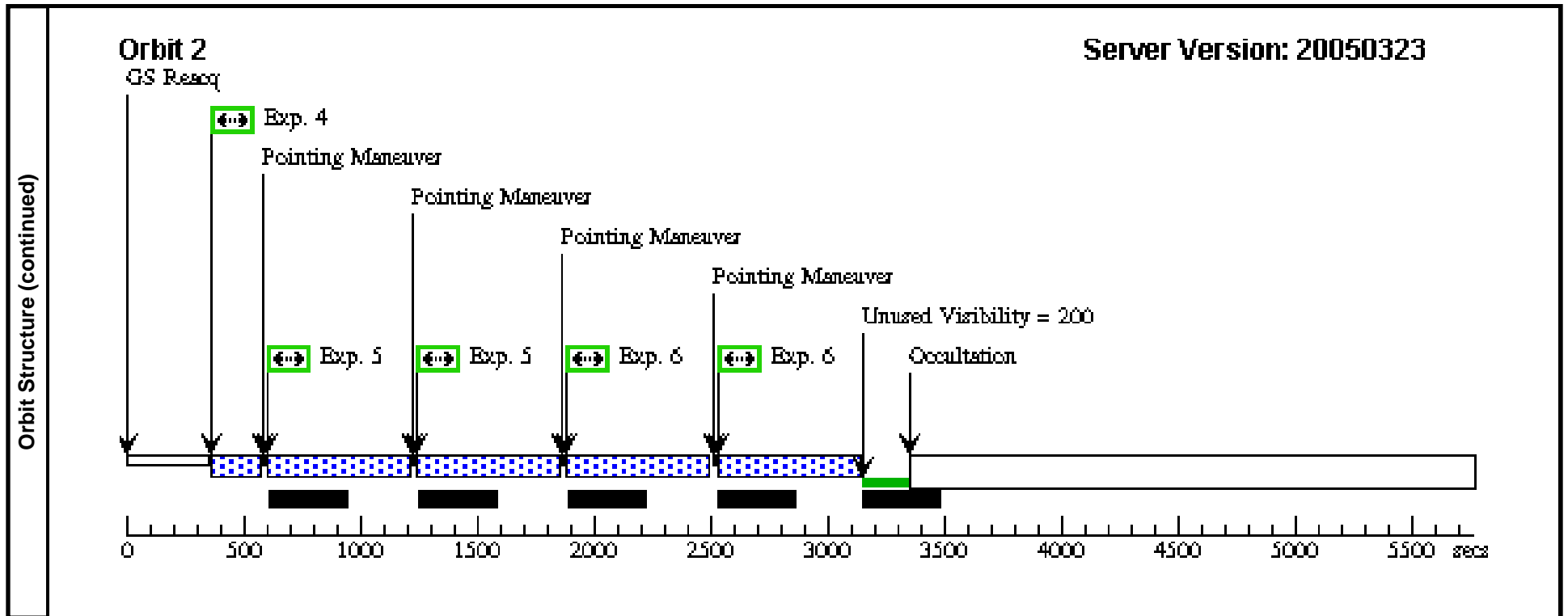


Proposal 10135 - Visit 62 - Unveiling the Progenitors and Physics of Cosmic Explosions

Fri May 27 19:12:40 GMT 2005

Visit	<b>Proposal 10135, Visit 62</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC Special Requirements: PCS MODE FINE; SAME ORIENT AS 61; AFTER 61 BY 20 D TO 60 D Comments: Follow-up observation of XRF040701 at $z=0.2146$ .									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.182 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=true					(2), (3), (5), (6)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(6)	XRF040701	RA: 20 48 16.1000 (312.0670833d) Dec: -40 11 8.83 (-40.18579d) Equinox: J2000 Plate Id: (?)		V=25.0+/-1.0	Coordinate Source: IMAGE_TIED_TO_GSC_FRAME				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(6) XRF040701	(6) XRF040701	ACS/WFC, ACCUM, WFC1	F625W	CR-SPLIT=NO		Sequence 1-3 Non-Int	61.0 Secs [==>]	[1]
	2	(6) XRF040701	(6) XRF040701	ACS/WFC, ACCUM, WFC1	F625W	CR-SPLIT=NO		Sequence 1-3 Non-Int Pattern 2-2 (1)	455.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	(6) XRF040701	(6) XRF040701	ACS/WFC, ACCUM, WFC1	F625W	CR-SPLIT=NO	POS TARG 0.124,0.0095	Sequence 1-3 Non-Int Pattern 3-3 (1)	455.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	(6) XRF040701	(6) XRF040701	ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO		Sequence 4-6 Non-Int	62.0 Secs [==>]	[2]
	5	(6) XRF040701	(6) XRF040701	ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO		Sequence 4-6 Non-Int Pattern 5-5 (1)	485.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[2]
	6	(6) XRF040701	(6) XRF040701	ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO	POS TARG 0.124,0.0095	Sequence 4-6 Non-Int Pattern 6-6 (1)	485.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[2]





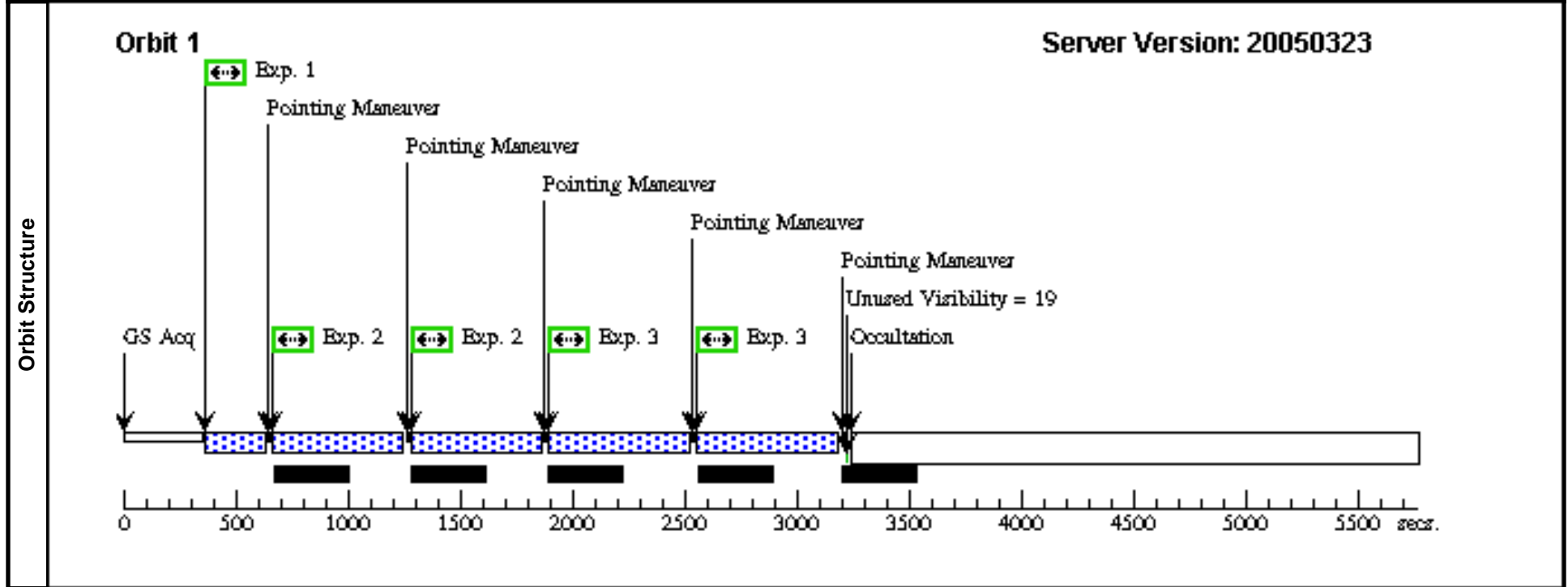
Proposal 10135 - Visit 81 - Unveiling the Progenitors and Physics of Cosmic Explosions

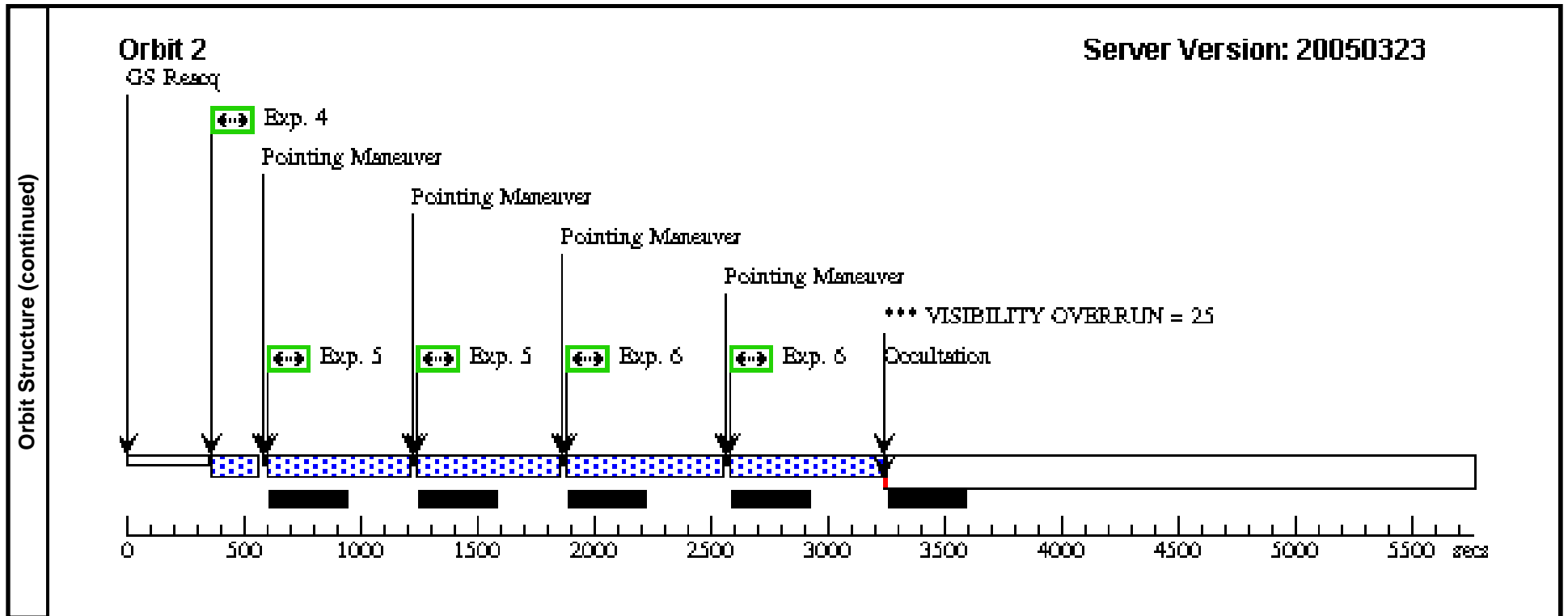
Fri May 27 19:13:12 GMT 2005

<b>Visit</b>	<b>Proposal 10135, Visit 81</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: ACS/WFC Special Requirements: PCS MODE FINE <i>Comments: First observation of XRF040916 at unknown redshift.</i>									
	<b>Diagnosics</b> (Visit 81) Warning: VISIBILITY OVERRUN									
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			<b>Exposures</b>	
	(1)	Pattern Type=ACS-WFC-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.182 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=true			(2), (3), (5), (6)	
<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)	XRF040916	RA: 23 00 55.1000 (345.2295833d) Dec: -05 38 43.00 (-5.64528d) Equinox: J2000 Plate Id: (?)				V=25.0+/-1.0	Coordinate Source: IMAGE_TIED_TO_GSC_FRAME		
<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) XRF040916	(8) XRF040916	ACS/WFC, ACCUM, WFC1	F625W	CR-SPLIT=NO		Sequence 1-3 Non-Int	60.0 Secs	
									[==>]	[1]
	2	(8) XRF040916	(8) XRF040916	ACS/WFC, ACCUM, WFC1	F625W	CR-SPLIT=NO		Sequence 1-3 Non-Int Pattern 2-2 (1)	455.0 Secs	
									[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	(8) XRF040916	(8) XRF040916	ACS/WFC, ACCUM, WFC1	F625W	CR-SPLIT=NO	POS TARG 0.124,0.0095	Sequence 1-3 Non-Int Pattern 3-3 (1)	510.0 Secs	
								[==>(Pattern 1)] [==>(Pattern 2)]	[1]	
4	(8) XRF040916	(8) XRF040916	ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO		Sequence 4-6 Non-Int	60.0 Secs		
								[==>]	[2]	
5	(8) XRF040916	(8) XRF040916	ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO		Sequence 4-6 Non-Int Pattern 5-5 (1)	485.0 Secs		
								[==>(Pattern 1)] [==>(Pattern 2)]	[2]	

Proposal 10135 - Visit 81 - Unveiling the Progenitors and Physics of Cosmic Explosions

Exposures (continued)	#	Label	Target	Config, Mode, Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	6	(8) XRF040916	ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO	POS TARG 0.124, 0.0095	Sequence 4-6 Non-Int	544.0 Secs [=>(Pattern 1)] [=>(Pattern 2)]	[2]	





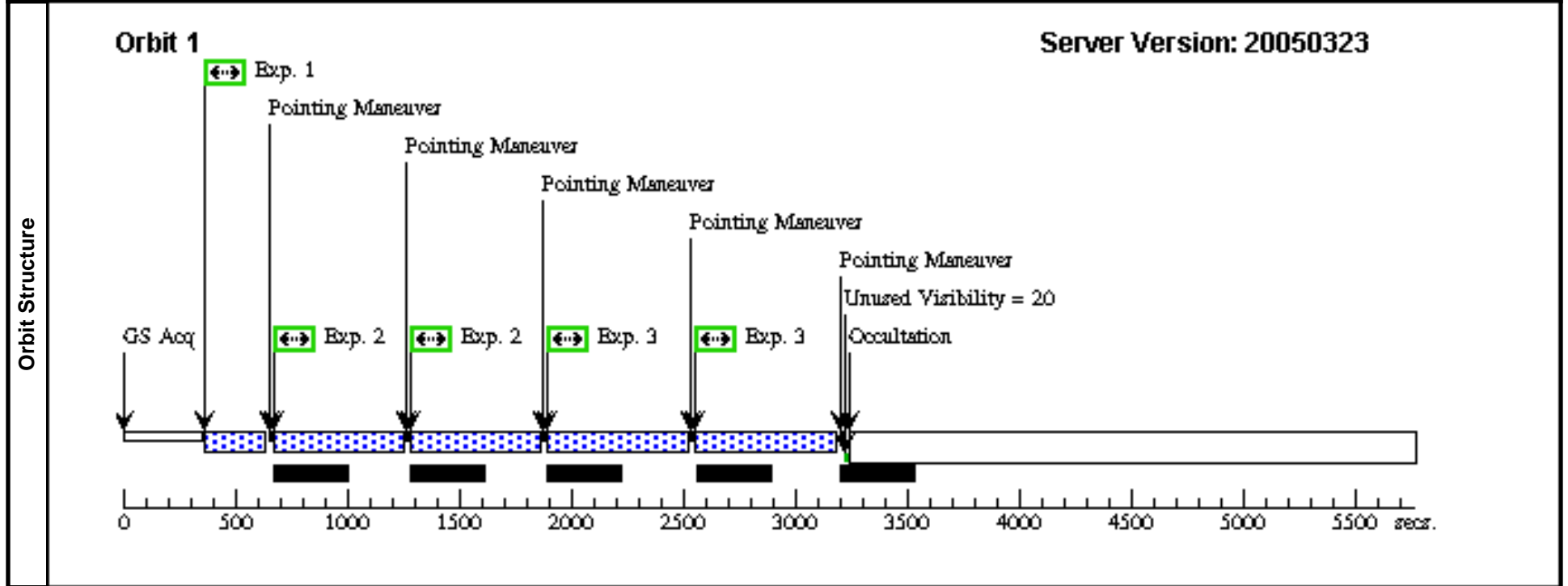
Proposal 10135 - Visit 82 - Unveiling the Progenitors and Physics of Cosmic Explosions

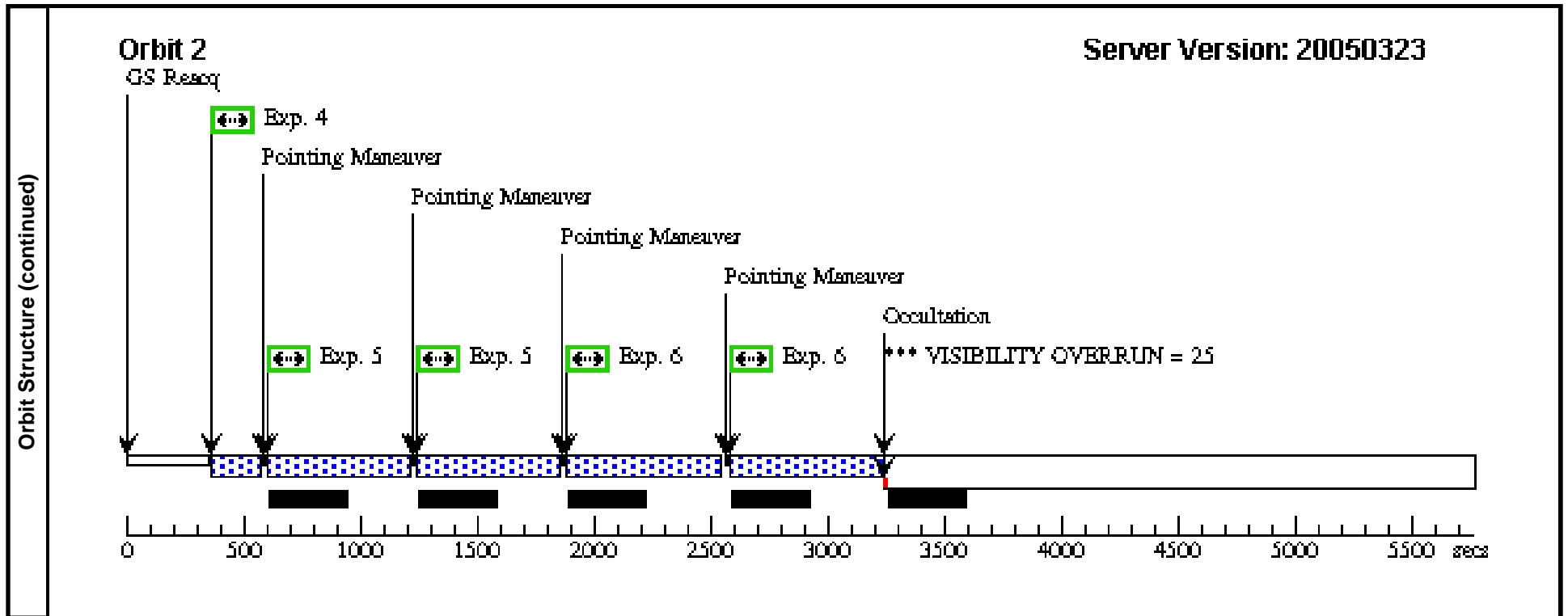
Fri May 27 19:13:43 GMT 2005

<b>Visit</b>	<b>Proposal 10135, Visit 82</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: ACS/WFC Special Requirements: PCS MODE FINE; SAME ORIENT AS 81; AFTER 81 BY 20 D TO 60 D Comments: Follow-up observation of XRF040916 at unknown redshift.										
	(Visit 82) Warning: VISIBILITY OVERRUN										
<b>Diagnosics</b>											
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>				<b>Exposures</b>	
	(1)	Pattern Type=ACS-WFC-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.182 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=true				(2), (3), (5), (6)	
<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)	XRF040916	RA: 23 00 55.1000 (345.2295833d) Dec: -05 38 43.00 (-5.64528d) Equinox: J2000 Plate Id: (?)				V=25.0+/-1.0		Coordinate Source: IMAGE_TIED_TO_GSC_FRAME		
<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) XRF040916		ACS/WFC, ACCUM, WFC1	F625W	CR-SPLIT=NO		Sequence 1-3 Non-Int	61.0 Secs		
									[==>]	[1]	
	2	(8) XRF040916		ACS/WFC, ACCUM, WFC1	F625W	CR-SPLIT=NO		Sequence 1-3 Non-Int Pattern 2-2 (1)	455.0 Secs		
									[==>(Pattern 1)] [==>(Pattern 2)]	[1]	
	3	(8) XRF040916		ACS/WFC, ACCUM, WFC1	F625W	CR-SPLIT=NO	POS TARG 0.124,0.0095	Sequence 1-3 Non-Int Pattern 3-3 (1)	509.0 Secs		
								[==>(Pattern 1)] [==>(Pattern 2)]	[1]		
4	(8) XRF040916		ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO		Sequence 4-6 Non-Int	62.0 Secs			
								[==>]	[2]		
5	(8) XRF040916		ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO		Sequence 4-6 Non-Int Pattern 5-5 (1)	485.0 Secs			
								[==>(Pattern 1)] [==>(Pattern 2)]	[2]		

Proposal 10135 - Visit 82 - Unveiling the Progenitors and Physics of Cosmic Explosions

Exposures (continued)	#	Label	Target	Config, Mode, Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	6	(8) XRF040916	ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO	POS TARG 0.124, 0.0095	Sequence 4-6 Non-Int	543.0 Secs [=>(Pattern 1)] [=>(Pattern 2)]	[2]	

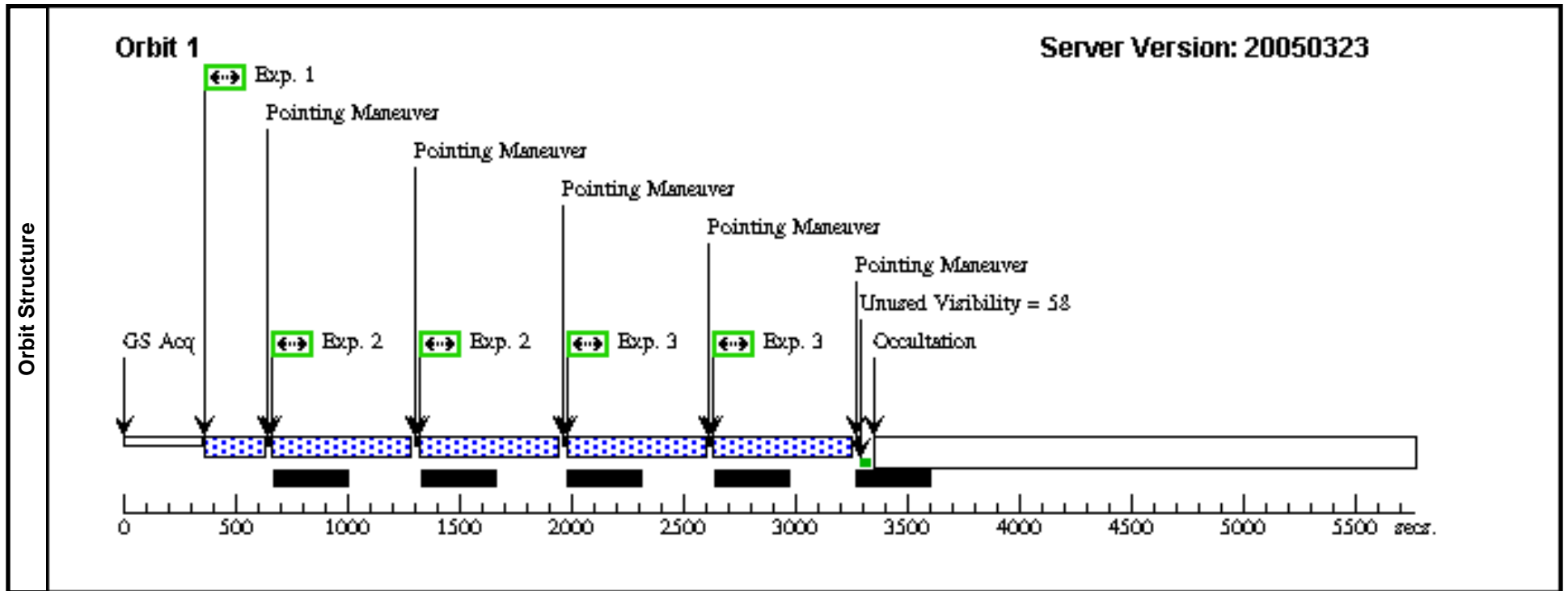


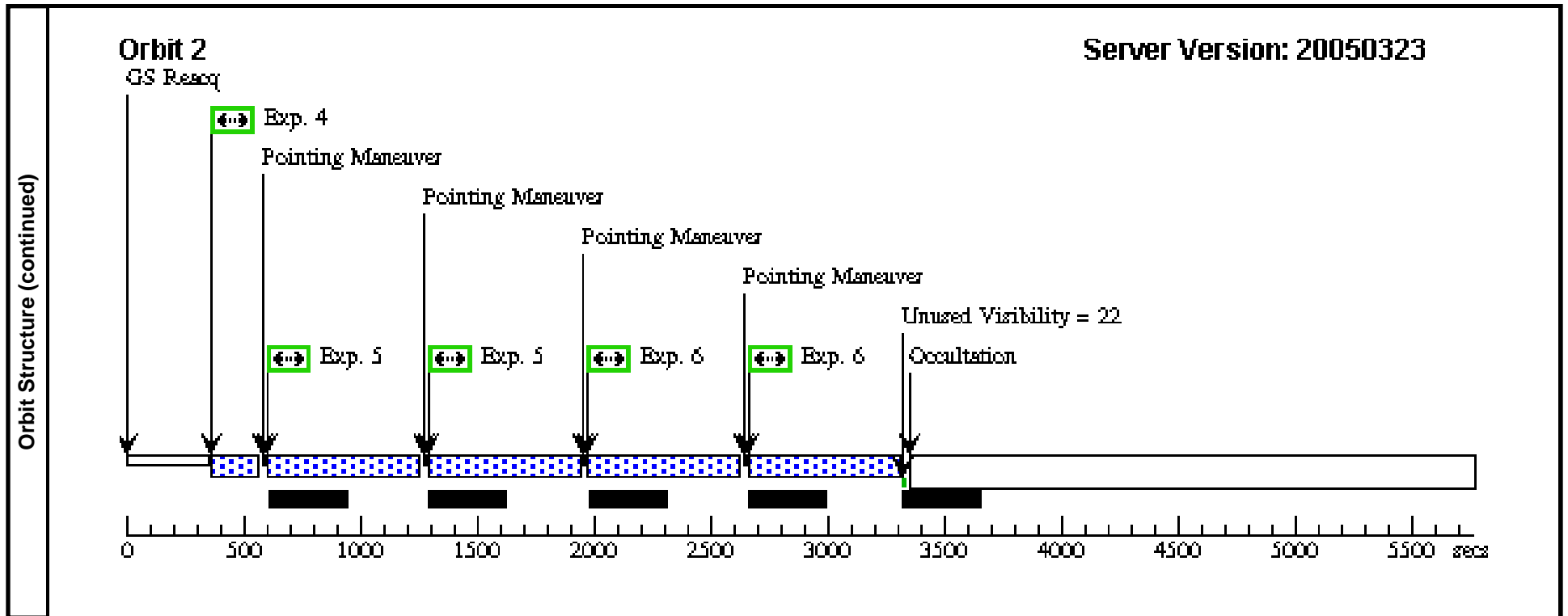


Proposal 10135 - Visit 71 - Unveiling the Progenitors and Physics of Cosmic Explosions

Fri May 27 19:14:14 GMT 2005

Visit	<b>Proposal 10135, Visit 71</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC Special Requirements: PCS MODE FINE; ORIENT 355.0D TO 70.0 D; ORIENT 80.0D TO 165.0 D; ORIENT 175.0D TO 250.0 D; ORIENT 260.0D TO 345.0 D Comments: First observation of XRF040812 at unknown redshift.									
	Patterns	#	Primary Pattern	Secondary Pattern			Exposures			
	(1)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.182 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=true				(2), (3), (5), (6)			
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(7)	XRF040812	RA: 16 26 2.2500 (246.5093750d) Dec: -44 43 49.40 (-44.73039d) Equinox: J2000 Plate Id: (?)		V=25.0+/-1.0	Coordinate Source: IMAGE_TIED_TO_GSC_FRAME				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(7) XRF040812	ACS/WFC, ACCUM, WFC1	F625W	CR-SPLIT=NO		Sequence 1-3 Non-Int	60.0 Secs [==>]	[1]
	2		(7) XRF040812	ACS/WFC, ACCUM, WFC1	F625W	CR-SPLIT=NO		Sequence 1-3 Non-Int Pattern 2-2 (1)	500.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(7) XRF040812	ACS/WFC, ACCUM, WFC1	F625W	CR-SPLIT=NO	POS TARG 0.124,0.0095	Sequence 1-3 Non-Int Pattern 3-3 (1)	500.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		(7) XRF040812	ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO		Sequence 4-6 Non-Int	60.0 Secs [==>]	[2]
	5		(7) XRF040812	ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO		Sequence 4-6 Non-Int Pattern 5-5 (1)	530.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[2]
	6		(7) XRF040812	ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO	POS TARG 0.124,0.0095	Sequence 4-6 Non-Int Pattern 6-6 (1)	530.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[2]

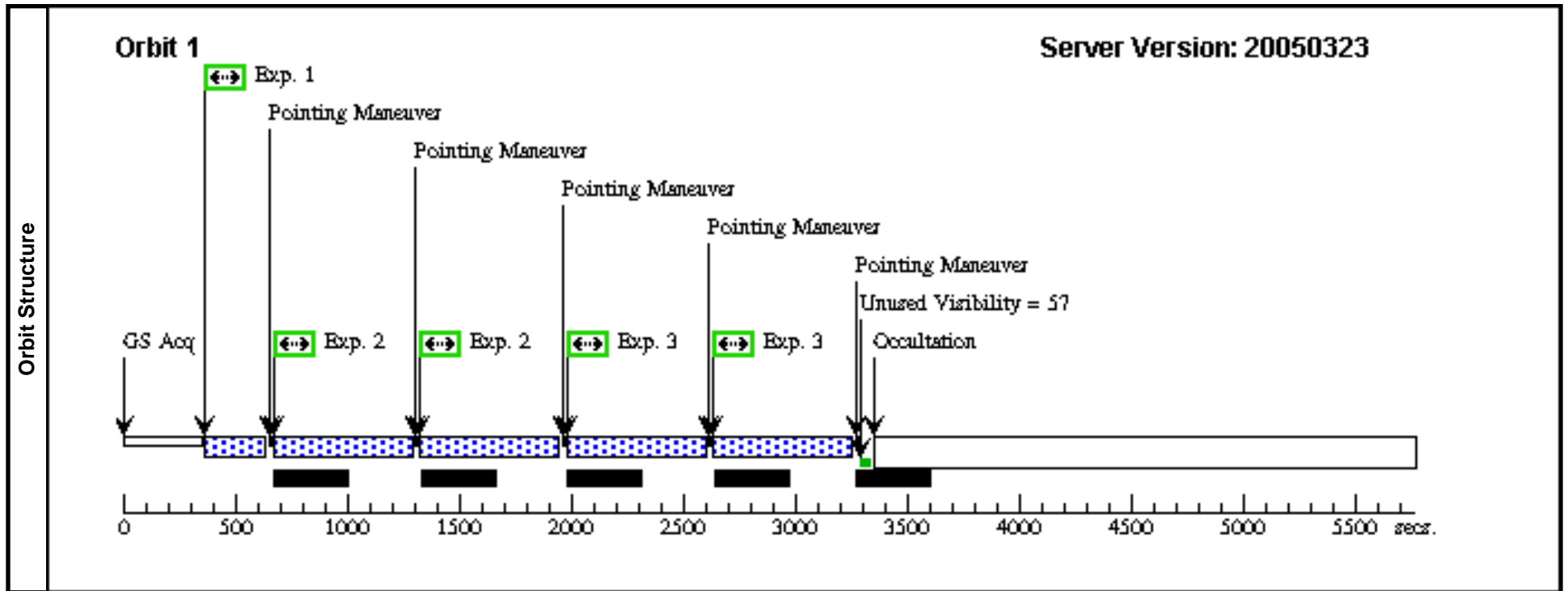


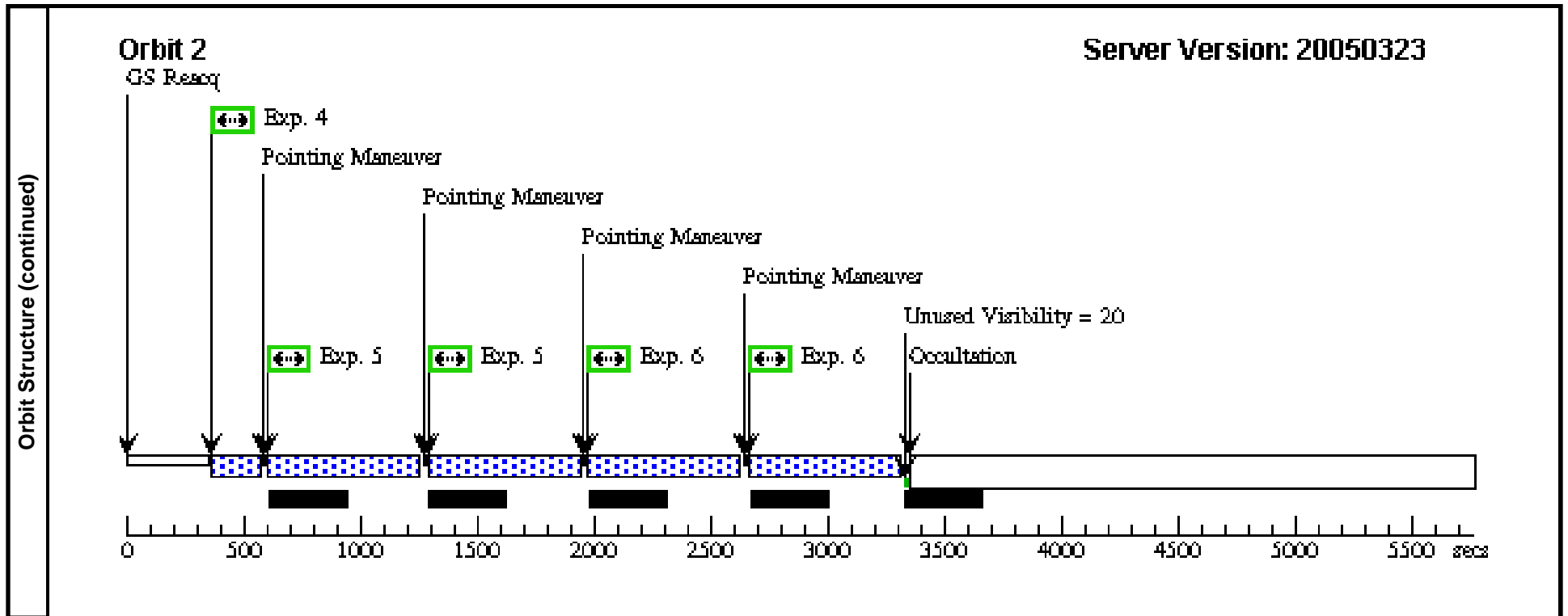


Proposal 10135 - Visit 72 - Unveiling the Progenitors and Physics of Cosmic Explosions

Fri May 27 19:14:45 GMT 2005

Visit	<b>Proposal 10135, Visit 72</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC Special Requirements: PCS MODE FINE; SAME ORIENT AS 71; AFTER 71 BY 20 D TO 40 D <i>Comments: Follow-up observation of XRF040812 at unknown redshift.</i>									
	Patterns	#	Primary Pattern	Secondary Pattern			Exposures			
	(1)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.182 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=true				(2), (3), (5), (6)			
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(7)	XRF040812	RA: 16 26 2.2500 (246.5093750d) Dec: -44 43 49.40 (-44.73039d) Equinox: J2000 Plate Id: (?)		V=25.0+/-1.0	Coordinate Source: IMAGE_TIED_TO_GSC_FRAME				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(7) XRF040812	ACS/WFC, ACCUM, WFC1	F625W	CR-SPLIT=NO		Sequence 1-3 Non-Int	61.0 Secs [==>]	[1]
	2		(7) XRF040812	ACS/WFC, ACCUM, WFC1	F625W	CR-SPLIT=NO		Sequence 1-3 Non-Int Pattern 2-2 (1)	500.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(7) XRF040812	ACS/WFC, ACCUM, WFC1	F625W	CR-SPLIT=NO	POS TARG 0.124,0.0095	Sequence 1-3 Non-Int Pattern 3-3 (1)	500.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		(7) XRF040812	ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO		Sequence 4-6 Non-Int	62.0 Secs [==>]	[2]
	5		(7) XRF040812	ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO		Sequence 4-6 Non-Int Pattern 5-5 (1)	530.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[2]
	6		(7) XRF040812	ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO	POS TARG 0.124,0.0095	Sequence 4-6 Non-Int Pattern 6-6 (1)	530.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[2]





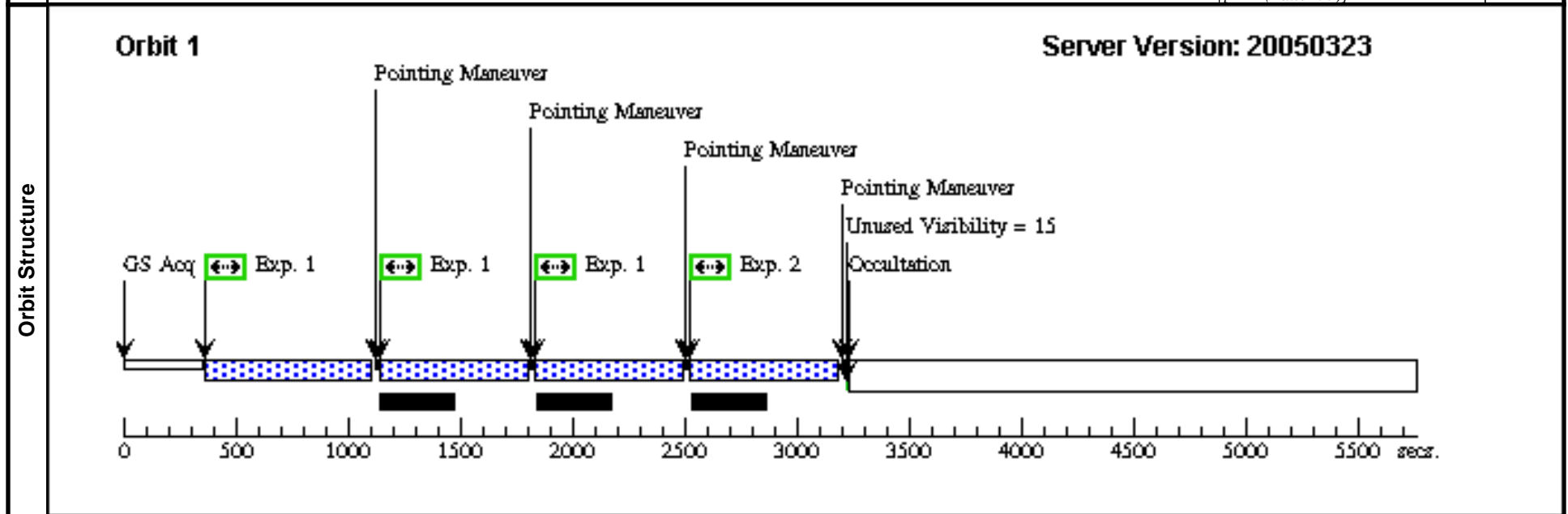
Proposal 10135 - Visit 91 - Unveiling the Progenitors and Physics of Cosmic Explosions

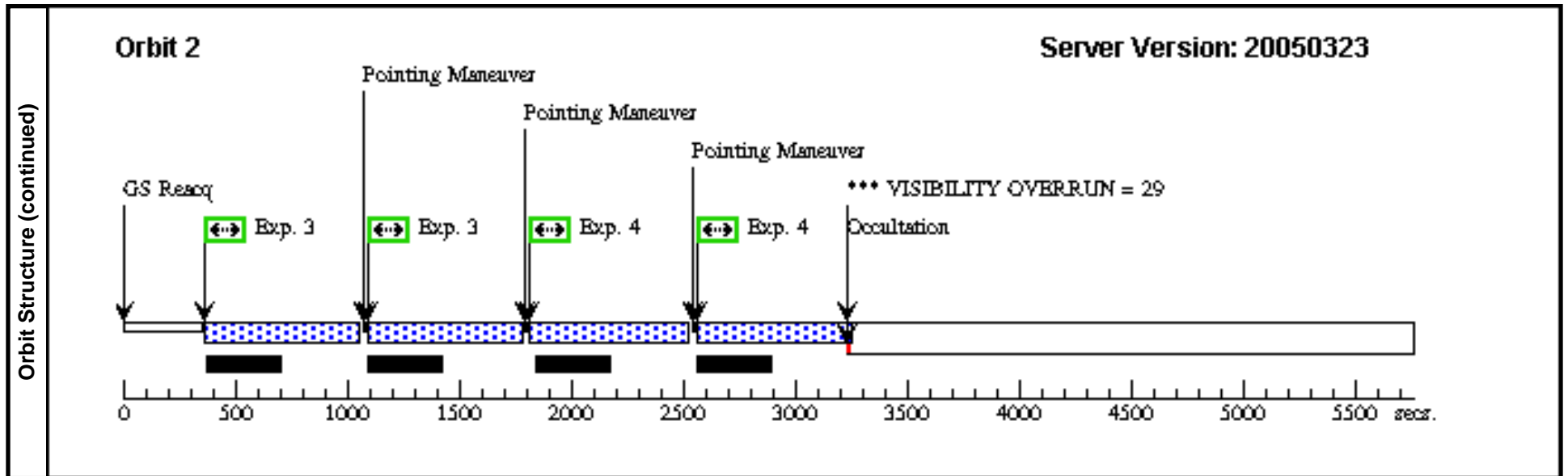
Fri May 27 19:15:16 GMT 2005

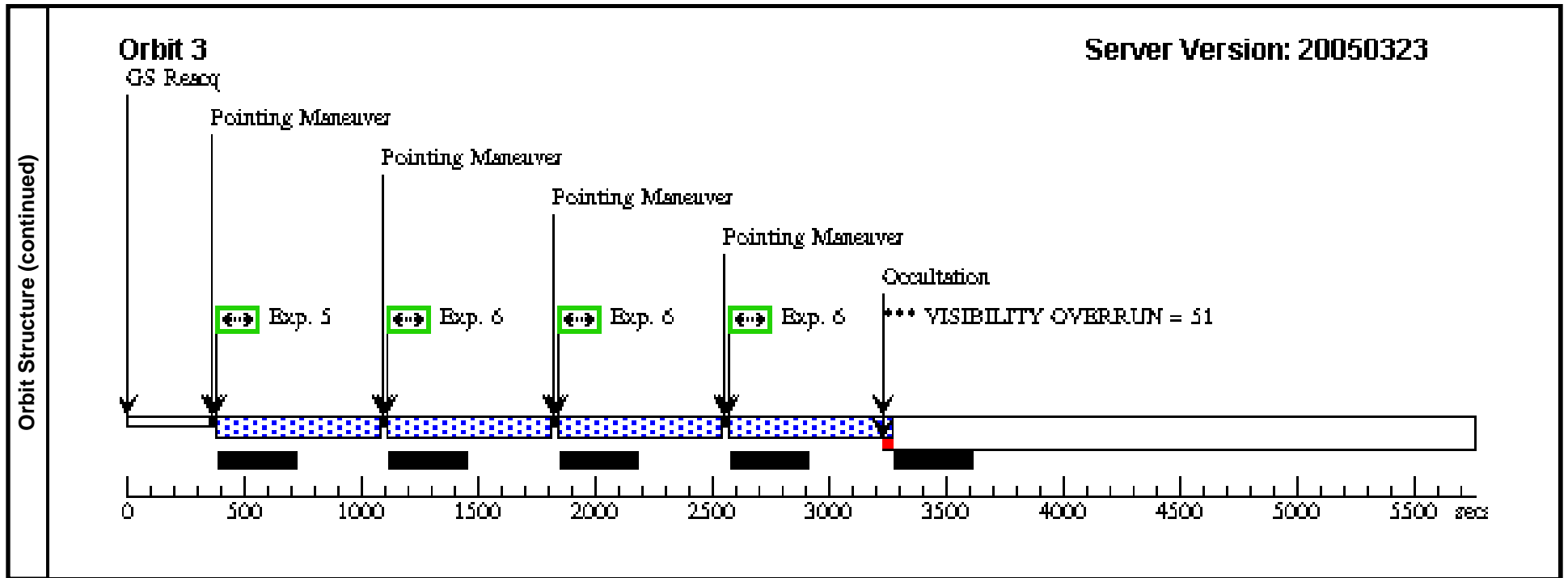
<b>Visit</b>	<b>Proposal 10135, Visit 91</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: ACS/WFC Special Requirements: PCS MODE FINE <i>Comments: This is the first visit for GRB041006 at z=0.716</i>									
	<b>Diagnostics</b>	(Visit 91) Warning: VISIBILITY OVERRUN (Visit 91) Warning: VISIBILITY OVERRUN								
<b>Patterns</b>		<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			<b>Exposures</b>
	(4)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.138 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=33 Angle Between Sides= Center Pattern=true						(1), (6)	
(5)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.138 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=33 Angle Between Sides= Center Pattern=true						(3), (4)		
<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)	GRB041006	RA: 00 54 50.1700 (13.7090417d) Dec: +01 14 7.00 (1.23528d) Equinox: J2000 Plate Id: (?)		Redshift: 0.716		V=27.0	Coordinate Source: IMAGE_TIED_TO_GSC_FRAME		
<i>Comments: z=0.716</i>										
<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) GRB041006	(9) GRB041006	ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO	POS TARG -0.2810 67,0.226967	Sequence 1-2 Non-Int Pattern 1-1 (4)	537.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	2	(9) GRB041006	(9) GRB041006	ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO	POS TARG 0.23146 7,0.150267	Sequence 1-2 Non-Int	537.0 Secs [==>]	[1]
	3	(9) GRB041006	(9) GRB041006	ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO	POS TARG 0,0	Sequence 3-4 Non-Int Pattern 3-3 (5)	567.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[2]

Proposal 10135 - Visit 91 - Unveiling the Progenitors and Physics of Cosmic Explosions

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	4		(9) GRB041006	ACS/WFC, ACCUM, WFC1	F850LP	CR-SPLIT=NO	POS TARG 0,0	Sequence 3-4 Non-Int Pattern 4-4 (5)	567.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[2]
	5		(9) GRB041006	ACS/WFC, ACCUM, WFC1	F850LP	CR-SPLIT=NO	POS TARG 0.23146 7,0.150267	Sequence 5-6 Non-Int	574.0 Secs [==>]	[3]
	6		(9) GRB041006	ACS/WFC, ACCUM, WFC1	F850LP	CR-SPLIT=NO	POS TARG -0.2810 67,0.226967	Sequence 5-6 Non-Int Pattern 6-6 (4)	574.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[3]







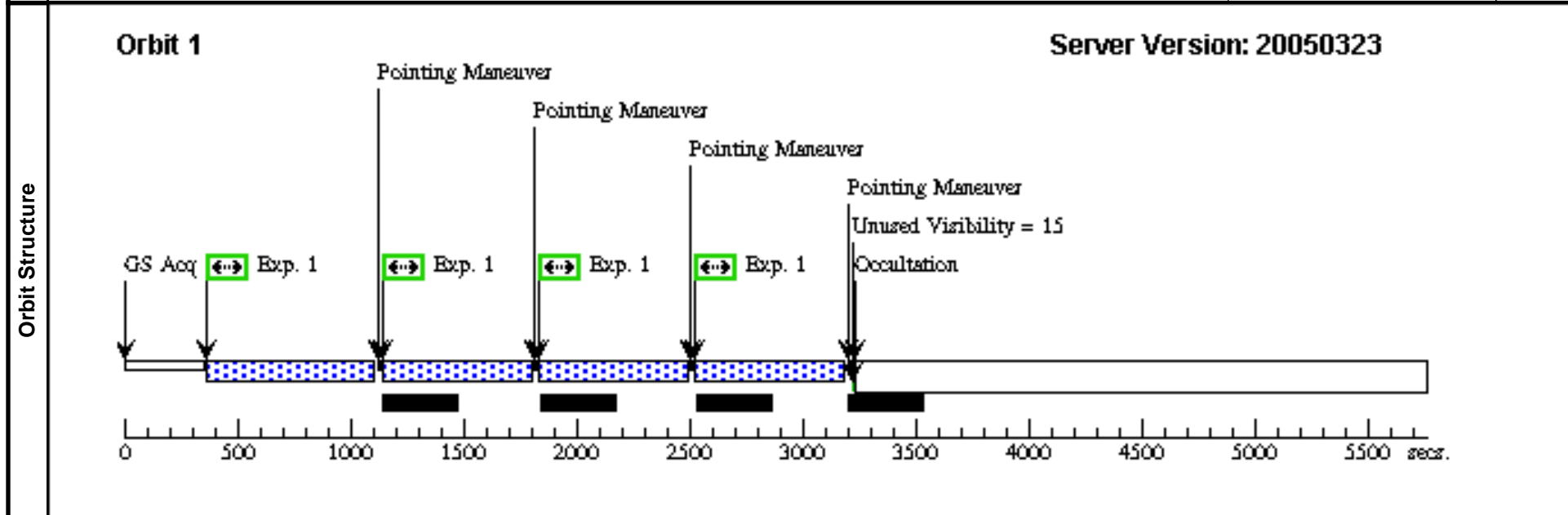
Proposal 10135 - Visit 92 - Unveiling the Progenitors and Physics of Cosmic Explosions

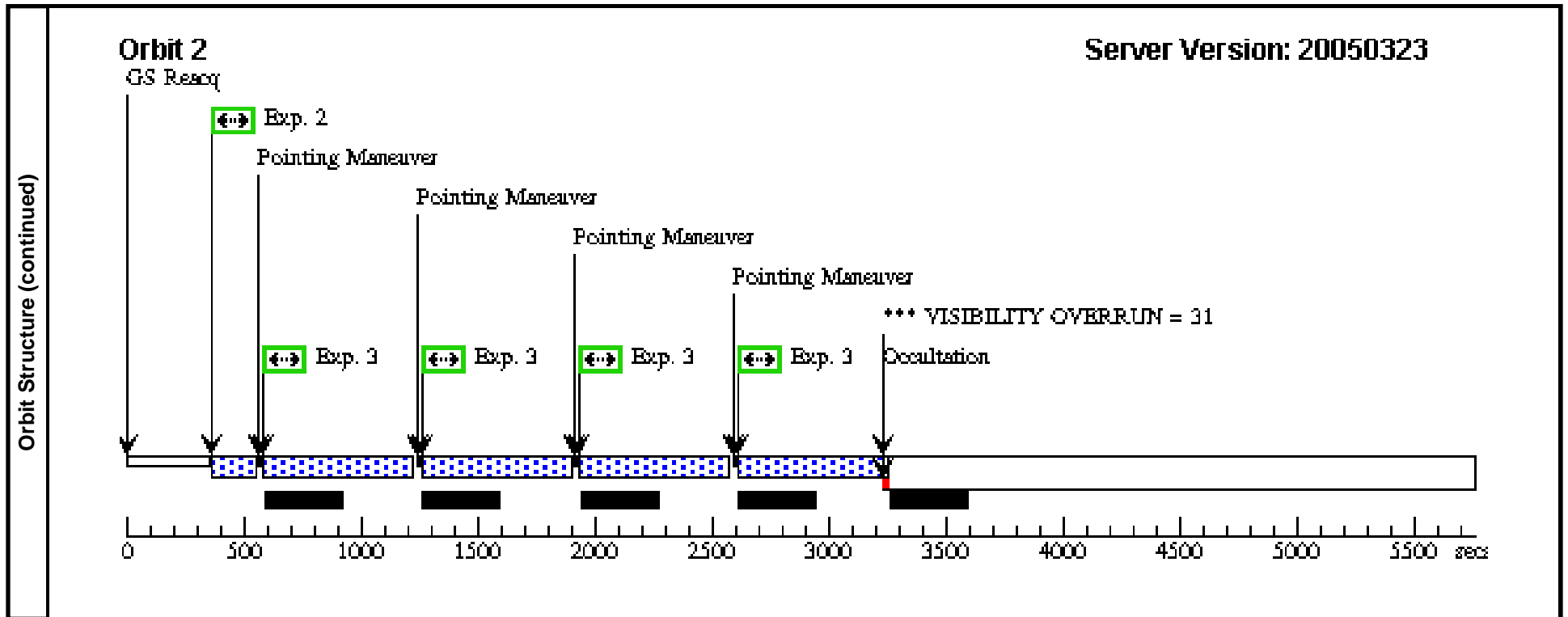
Fri May 27 19:15:57 GMT 2005

<b>Visit</b>	<b>Proposal 10135, Visit 92</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: ACS/WFC Special Requirements: PCS MODE FINE; SAME ORIENT AS 91; AFTER 91 BY 23 D TO 27 D Comments: <i>This is the second observation of GRB041006 at z=0.716</i>									
	<b>Diagnosics</b> (Visit 92) Warning: VISIBILITY OVERRUN									
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>				<b>Exposures</b>
	(2)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=4 Point Spacing=0.164 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=false					(1)		
(3)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.304 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=137.2 Angle Between Sides= Center Pattern=false	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.164 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=false					(3)	
<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)	GRB041006	RA: 00 54 50.1700 (13.7090417d) Dec: +01 14 7.00 (1.23528d) Equinox: J2000 Plate Id: (?)	Redshift: 0.716		V=27.0	Coordinate Source: IMAGE_TIED_TO_GSC_FRAME			
Comments: z=0.716										
<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) GRB041006	(9) GRB041006	ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO		Sequence 1-1 Non-Int Pattern 1-1 (2)	537.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
2	(9) GRB041006	(9) GRB041006	ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO		Sequence 2-3 Non-Int	60.0 Secs [==>]	[2]	

Proposal 10135 - Visit 92 - Unveiling the Progenitors and Physics of Cosmic Explosions

Exposures (continued)	#	Label	Target	Config, Mode, Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	3		(9) GRB041006	ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO	POS TARG 0.279,0.0773	Sequence 2-3 Non-Int	519.0 Secs	
									[==>(Pattern 1,1)]	
									[==>(Pattern 1,2)]	
									[==>(Pattern 2,1)]	
									[==>(Pattern 2,2)]	[2]





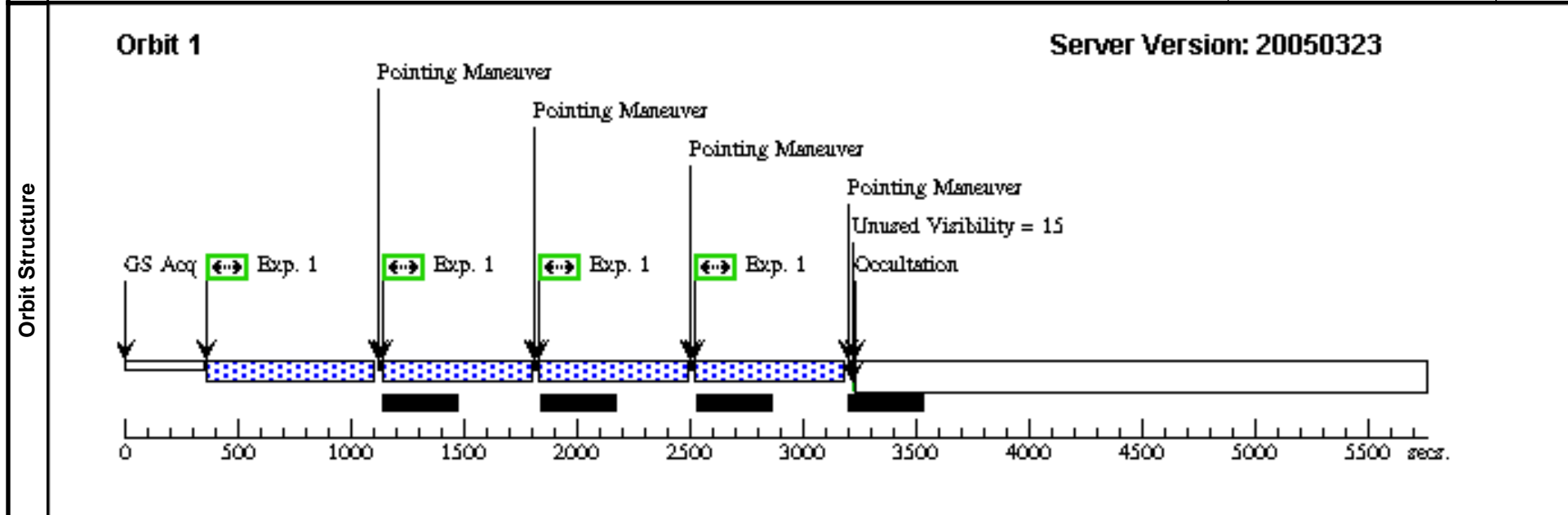
Proposal 10135 - Visit 93 - Unveiling the Progenitors and Physics of Cosmic Explosions

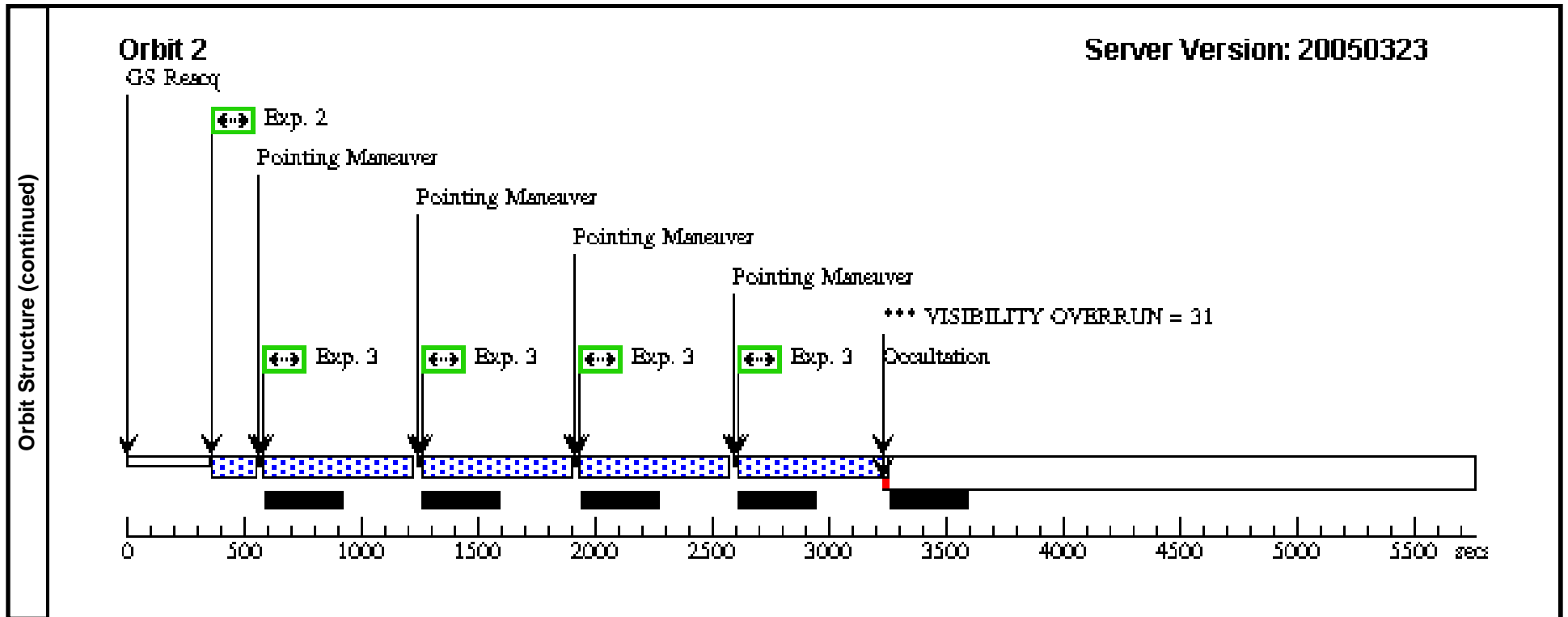
Fri May 27 19:16:25 GMT 2005

<b>Visit</b>	<b>Proposal 10135, Visit 93</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: ACS/WFC Special Requirements: PCS MODE FINE; SAME ORIENT AS 91; AFTER 91 BY 46 D TO 54 D <i>Comments: This is the third observation of GRB041006 at z=0.716</i>									
	<b>Diagnosics</b> (Visit 93) Warning: VISIBILITY OVERRUN									
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>				<b>Exposures</b>
	(2)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=4 Point Spacing=0.164 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=false							(1)
(3)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.304 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=137.2 Angle Between Sides= Center Pattern=false	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.164 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=false					(3)	
<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)	GRB041006	RA: 00 54 50.1700 (13.7090417d) Dec: +01 14 7.00 (1.23528d) Equinox: J2000 Plate Id: (?)	Redshift: 0.716		V=27.0		Coordinate Source: IMAGE_TIED_TO_GSC_FRAME		
<i>Comments: z=0.716</i>										
<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) GRB041006	(9) GRB041006	ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO		Sequence 1-1 Non-Int Pattern 1-1 (2)	537.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
2	(9) GRB041006	(9) GRB041006	ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO		Sequence 2-3 Non-Int	60.0 Secs [==>]	[2]	

Proposal 10135 - Visit 93 - Unveiling the Progenitors and Physics of Cosmic Explosions

Exposures (continued)	#	Label	Target	Config, Mode, Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	3		(9) GRB041006	ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO	POS TARG 0.279,0.0773	Sequence 2-3 Non-Int	519.0 Secs	
									[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[2]





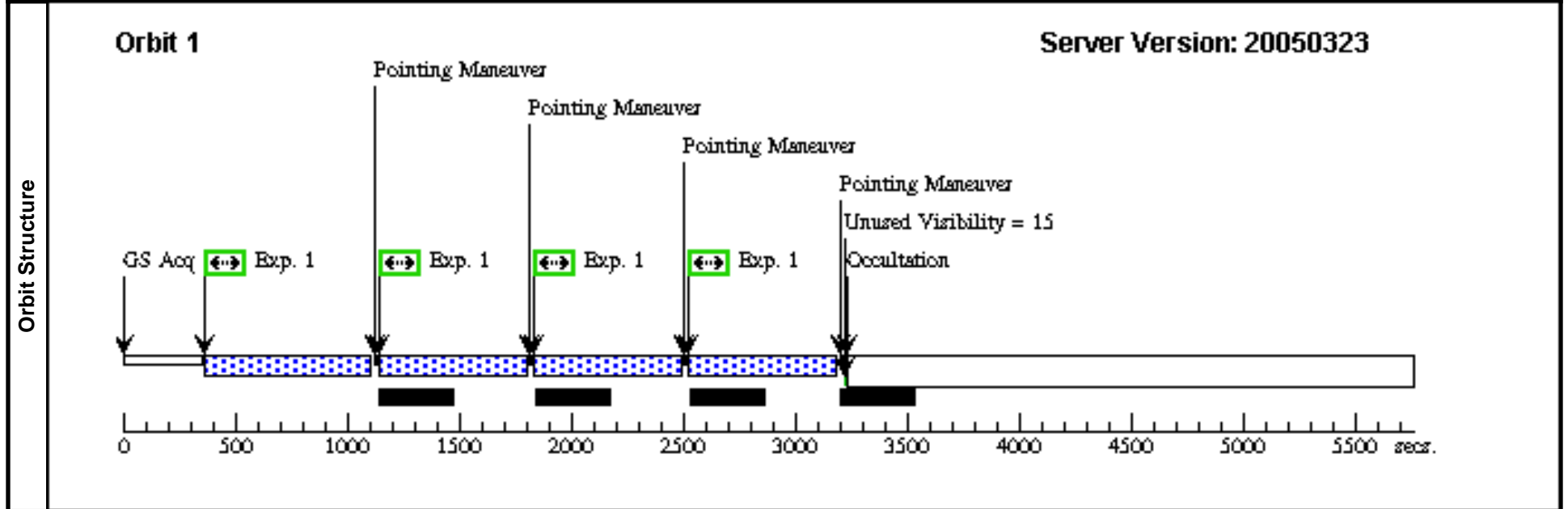
Proposal 10135 - Visit 94 - Unveiling the Progenitors and Physics of Cosmic Explosions

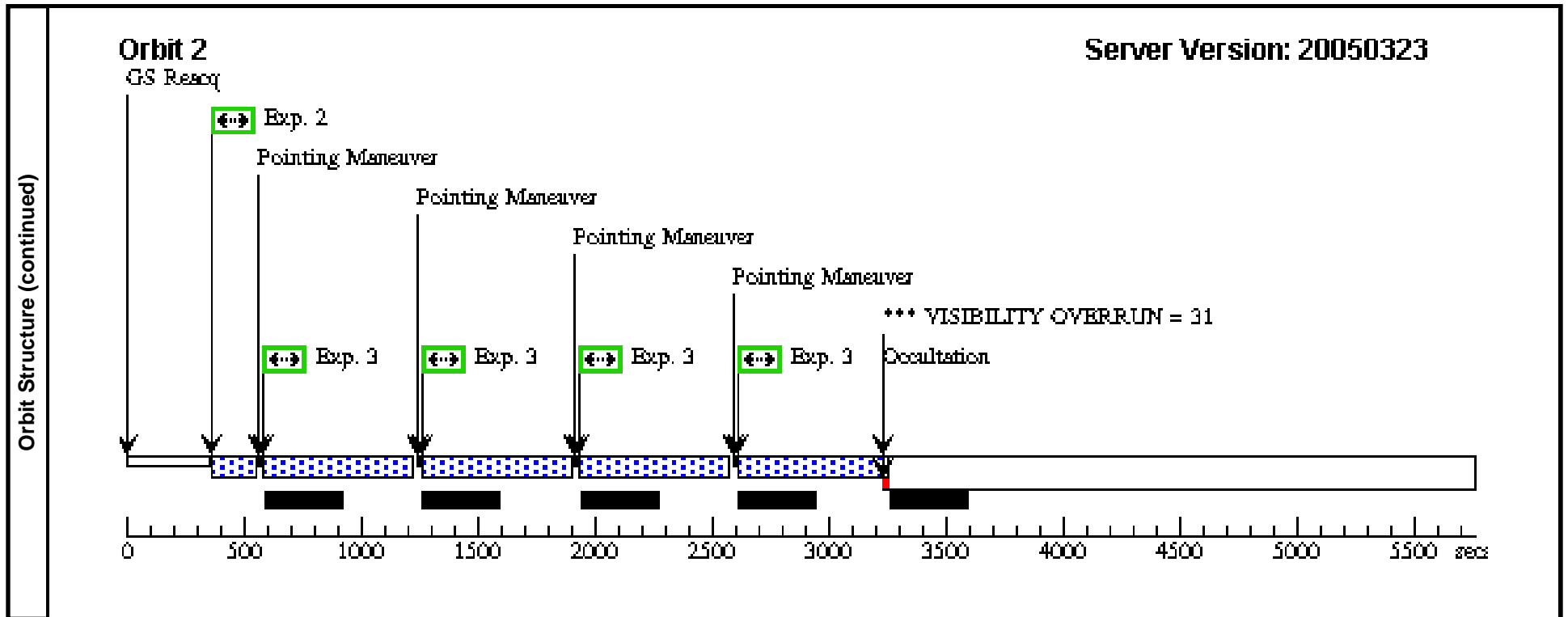
Fri May 27 19:16:54 GMT 2005

<b>Visit</b>	<b>Proposal 10135, Visit 94</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: ACS/WFC Special Requirements: PCS MODE FINE; AFTER 91 BY 100 D TO 115 D <i>Comments: This is the fourth observation of GRB041006 at z=0.716</i>									
	<b>Diagnostics</b> (Visit 94) Warning: VISIBILITY OVERRUN									
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>				<b>Exposures</b>
	(2)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=4 Point Spacing=0.164 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=false							(1)
(3)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.304 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=137.2 Angle Between Sides= Center Pattern=false	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.164 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=false					(3)	
<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)	GRB041006	RA: 00 54 50.1700 (13.7090417d) Dec: +01 14 7.00 (1.23528d) Equinox: J2000 Plate Id: (?)	Redshift: 0.716		V=27.0		Coordinate Source: IMAGE_TIED_TO_GSC_FRAME		
<i>Comments: z=0.716</i>										
<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) GRB041006	(9) GRB041006	ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO		Sequence 1-1 Non-Int Pattern 1-1 (2)	537.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
2	(9) GRB041006	(9) GRB041006	ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO		Sequence 2-3 Non-Int	60.0 Secs [==>]	[2]	

Proposal 10135 - Visit 94 - Unveiling the Progenitors and Physics of Cosmic Explosions

Exposures (continued)	#	Label	Target	Config, Mode, Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	3		(9) GRB041006	ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO	POS TARG 0.279, 0.0773	Sequence 2-3 Non-Int	519.0 Secs	
									[=>(Pattern 1,1)]	
									[=>(Pattern 1,2)]	
									[=>(Pattern 2,1)]	
									[=>(Pattern 2,2)]	[2]





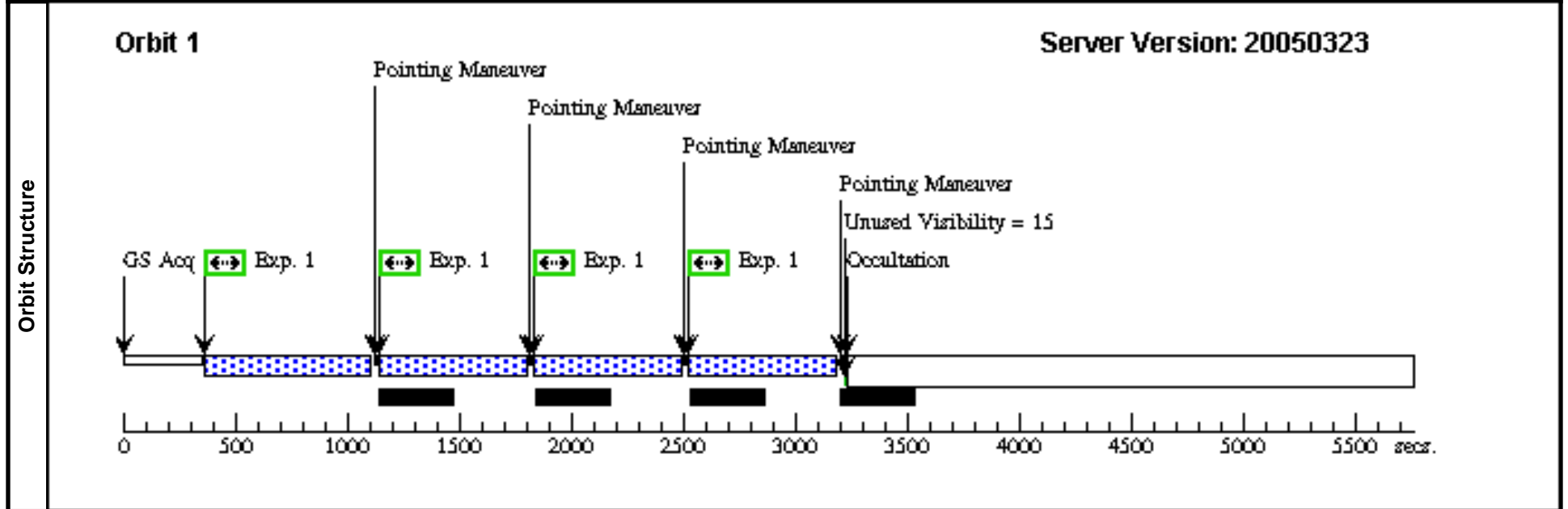
Proposal 10135 - Visit 95 - Unveiling the Progenitors and Physics of Cosmic Explosions

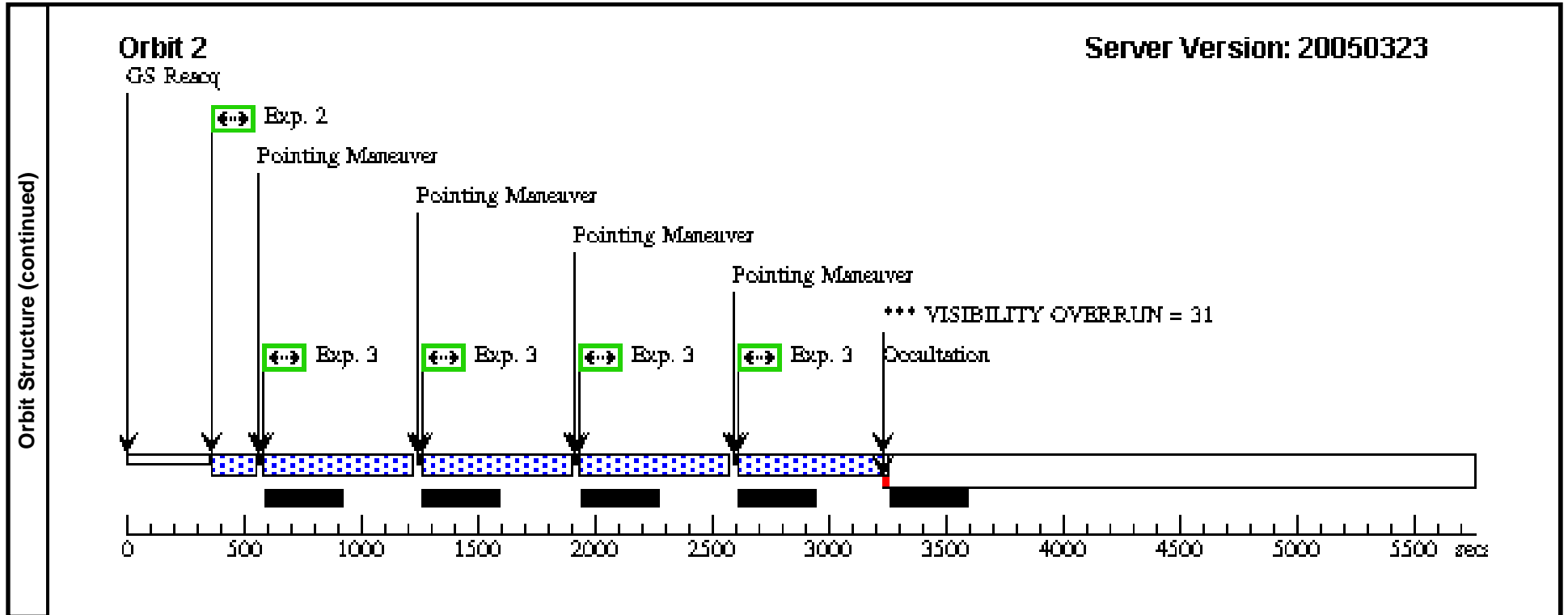
Fri May 27 19:17:23 GMT 2005

<b>Visit</b>	<b>Proposal 10135, Visit 95</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: ACS/WFC Special Requirements: PCS MODE FINE; SAME ORIENT AS 94; AFTER 91 BY 100 D TO 115 D <i>Comments: This is the last observation of GRB041006 at z=0.716</i>									
	<b>Diagnosics</b> (Visit 95) Warning: VISIBILITY OVERRUN									
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>				<b>Exposures</b>
	(2)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=4 Point Spacing=0.164 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=false					(1)		
(3)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.304 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=137.2 Angle Between Sides= Center Pattern=false	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.164 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=false					(3)	
<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)	GRB041006	RA: 00 54 50.1700 (13.7090417d) Dec: +01 14 7.00 (1.23528d) Equinox: J2000 Plate Id: (?)	Redshift: 0.716		V=27.0	Coordinate Source: IMAGE_TIED_TO_GSC_FRAME			
<i>Comments: z=0.716</i>										
<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) GRB041006	(9) GRB041006	ACS/WFC, ACCUM, WFC1	F850LP	CR-SPLIT=NO		Sequence 1-1 Non-Int Pattern 1-1 (2)	537.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
2	(9) GRB041006	(9) GRB041006	ACS/WFC, ACCUM, WFC1	F850LP	CR-SPLIT=NO		Sequence 2-3 Non-Int	60.0 Secs [==>]	[2]	

Proposal 10135 - Visit 95 - Unveiling the Progenitors and Physics of Cosmic Explosions

Exposures (continued)	#	Label	Target	Config, Mode, Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	3		(9) GRB041006	ACS/WFC, ACCUM, WFC1	F850LP	CR-SPLIT=NO	POS TARG 0.279,0.0773	Sequence 2-3 Non-Int	519.0 Secs	
									[==>(Pattern 1,1)]	
									[==>(Pattern 1,2)]	
									[==>(Pattern 2,1)]	
									[==>(Pattern 2,2)]	[2]

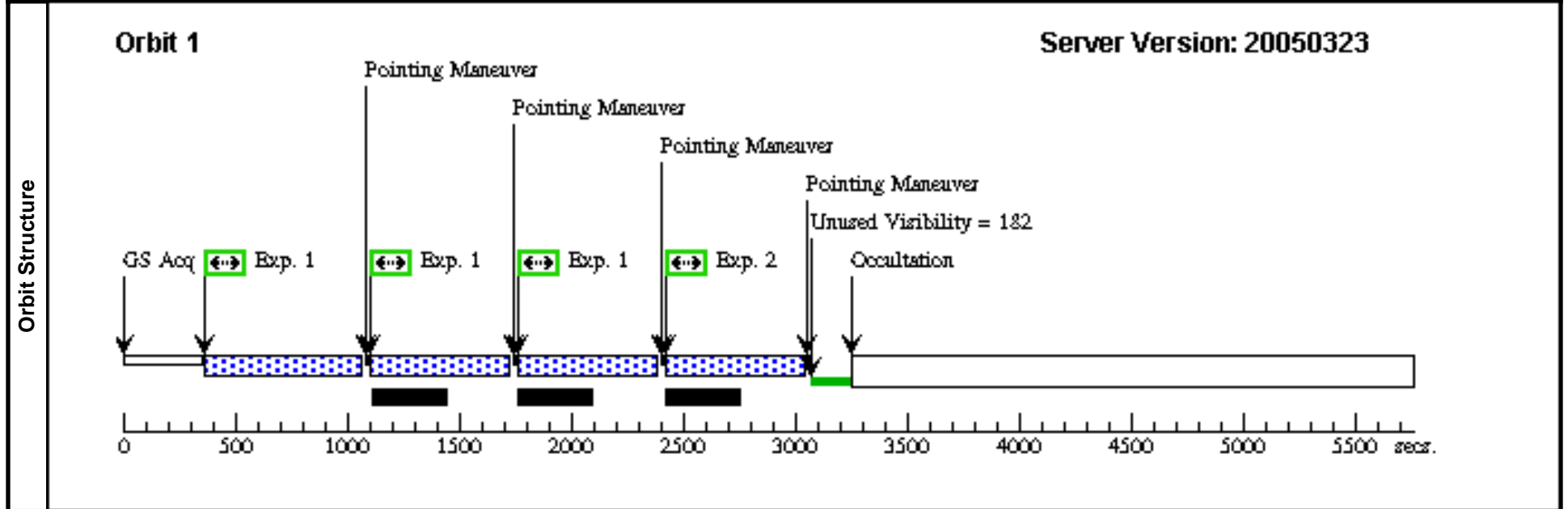


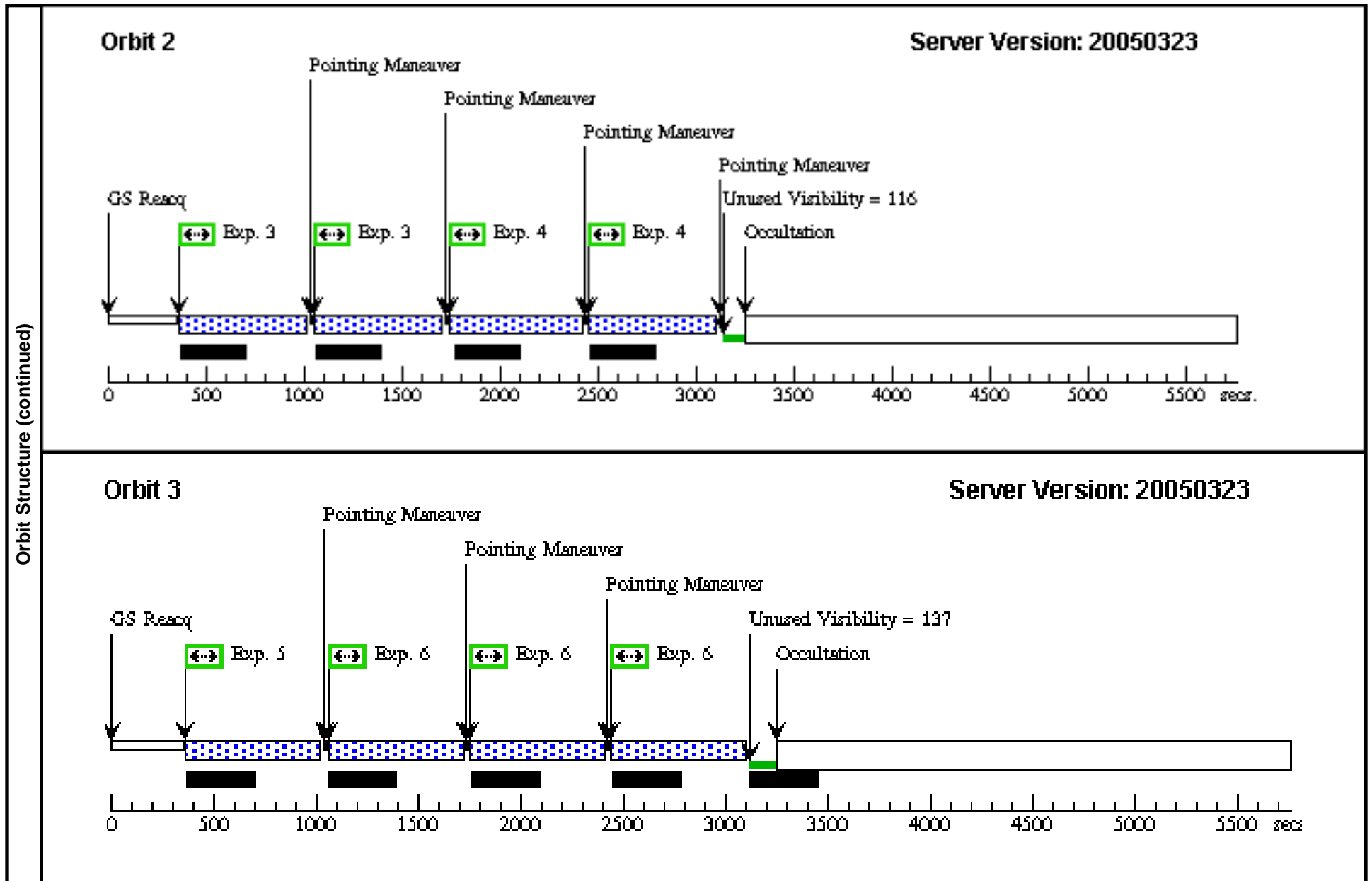


Visit	<b>Proposal 10135, Visit 01</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC Special Requirements: PCS MODE FINE <i>Comments: This is the first visit for GRB040924 at z=0.8</i>									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(4)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.138 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=33 Angle Between Sides= Center Pattern=true		(1), (6)						
	(5)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.138 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=33 Angle Between Sides= Center Pattern=true		(3), (4)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(10)	GRB040924	RA: 02 06 22.4500 (31.5935417d) Dec: +16 06 48.72 (16.11353d) Equinox: J2000 Plate Id: (?)	Redshift: 0.8	V=27.0	Coordinate Source: IMAGE_TIED_TO_GSC_FRAME				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(10) GRB040924	ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO	POS TARG -0.2810 67,0.226967	Sequence 1-2 Non-Int Pattern 1-1 (4)	501.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	2		(10) GRB040924	ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO	POS TARG 0.23146 7,0.150267	Sequence 1-2 Non-Int	499.0 Secs [==>]	[1]
	3		(10) GRB040924	ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO	POS TARG 0,0	Sequence 3-4 Non-Int Pattern 3-3 (5)	531.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[2]
	4		(10) GRB040924	ACS/WFC, ACCUM, WFC1	F850LP	CR-SPLIT=NO	POS TARG 0,0	Sequence 3-4 Non-Int Pattern 4-4 (5)	531.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[2]
	5		(10) GRB040924	ACS/WFC, ACCUM, WFC1	F850LP	CR-SPLIT=NO	POS TARG 0.23146 7,0.150267	Sequence 5-6 Non-Int	538.0 Secs [==>]	[3]

Proposal 10135 - Visit 01 - Unveiling the Progenitors and Physics of Cosmic Explosions

Exposures (continued)	#	Label	Target	Config, Mode, Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	6	(10) GRB040924	ACS/WFC, ACCUM, WFC1	F850LP	CR-SPLIT=NO	POS TARG -0.2810 67.0.226967	Sequence 5-6 Non-Int Pattern 6-6 (4)	537.0 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[3]	

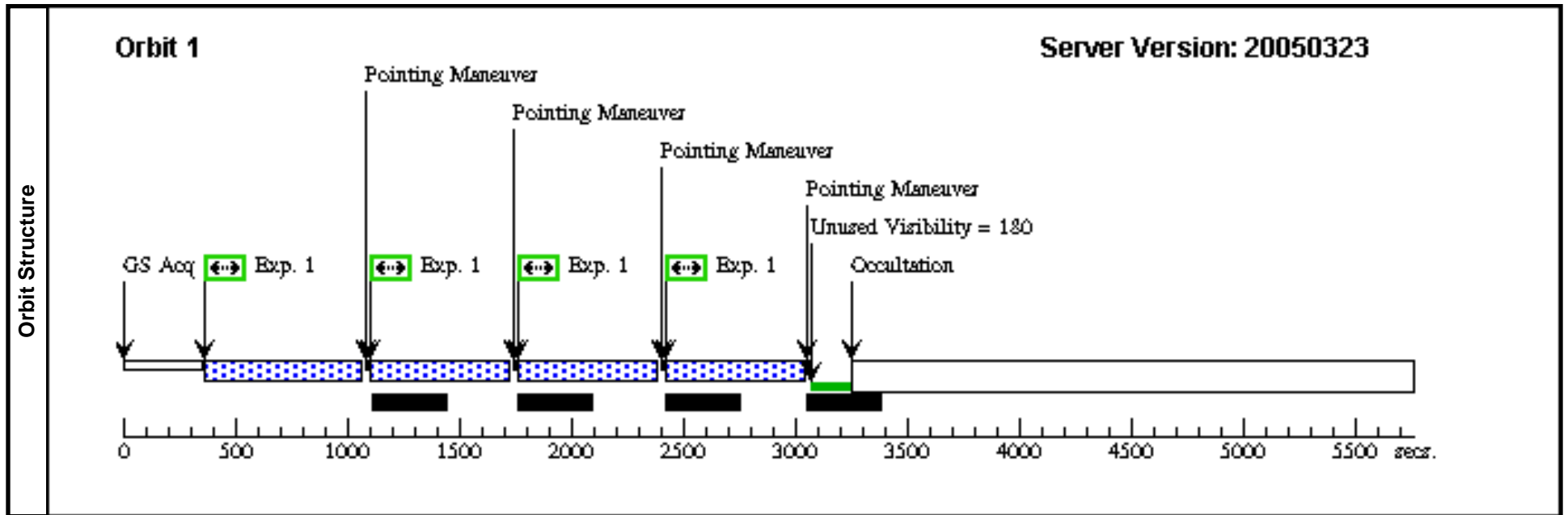


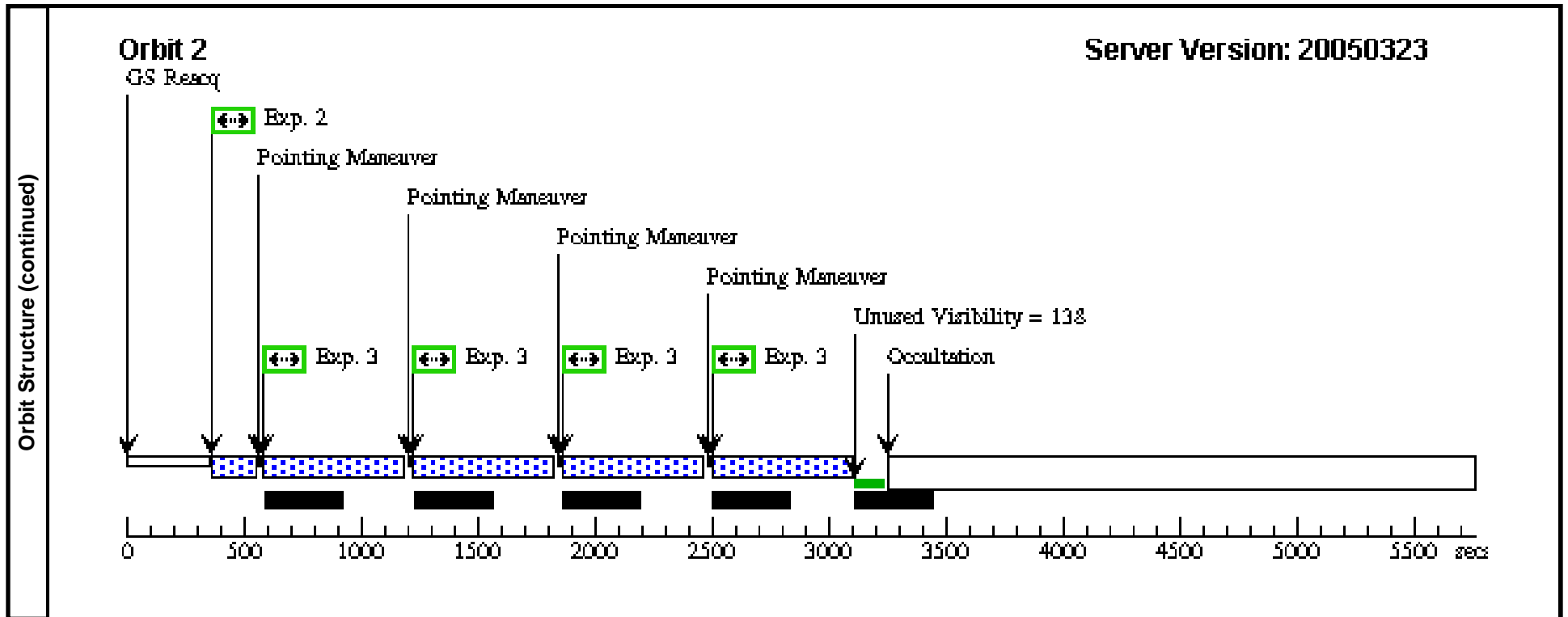


Proposal 10135 - Visit 02 - Unveiling the Progenitors and Physics of Cosmic Explosions

Fri May 27 19:18:32 GMT 2005

<b>Visit</b>	<b>Proposal 10135, Visit 02</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC Special Requirements: PCS MODE FINE; SAME ORIENT AS 01; AFTER 01 BY 23 D TO 27 D <i>Comments: This is the second observation of GRB040924 at z=0.8</i>									
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>		<b>Secondary Pattern</b>		<b>Exposures</b>				
	(2)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=4 Point Spacing=0.164 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=false			(1)				
(3)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.304 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=137.2 Angle Between Sides= Center Pattern=false	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.164 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=false	(3)					
<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)	GRB040924	RA: 02 06 22.4500 (31.5935417d) Dec: +16 06 48.72 (16.11353d) Equinox: J2000 Plate Id: (?)	Redshift: 0.8	V=27.0	Coordinate Source: IMAGE_TIED_TO_GSC_FRAME				
<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) GRB040924	(10) GRB040924	ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO		Sequence 1-1 Non-Int Pattern 1-1 (2)	501.0 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]
	2	(10) GRB040924	(10) GRB040924	ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO		Sequence 2-3 Non-Int	60.0 Secs [=>]	[2]
	3	(10) GRB040924	(10) GRB040924	ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO	POS TARG 0.279,0.0773	Sequence 2-3 Non-Int Pattern 3-3 (3)	482.0 Secs [=>(Pattern 1,1)] [=>(Pattern 1,2)] [=>(Pattern 2,1)] [=>(Pattern 2,2)]	[2]

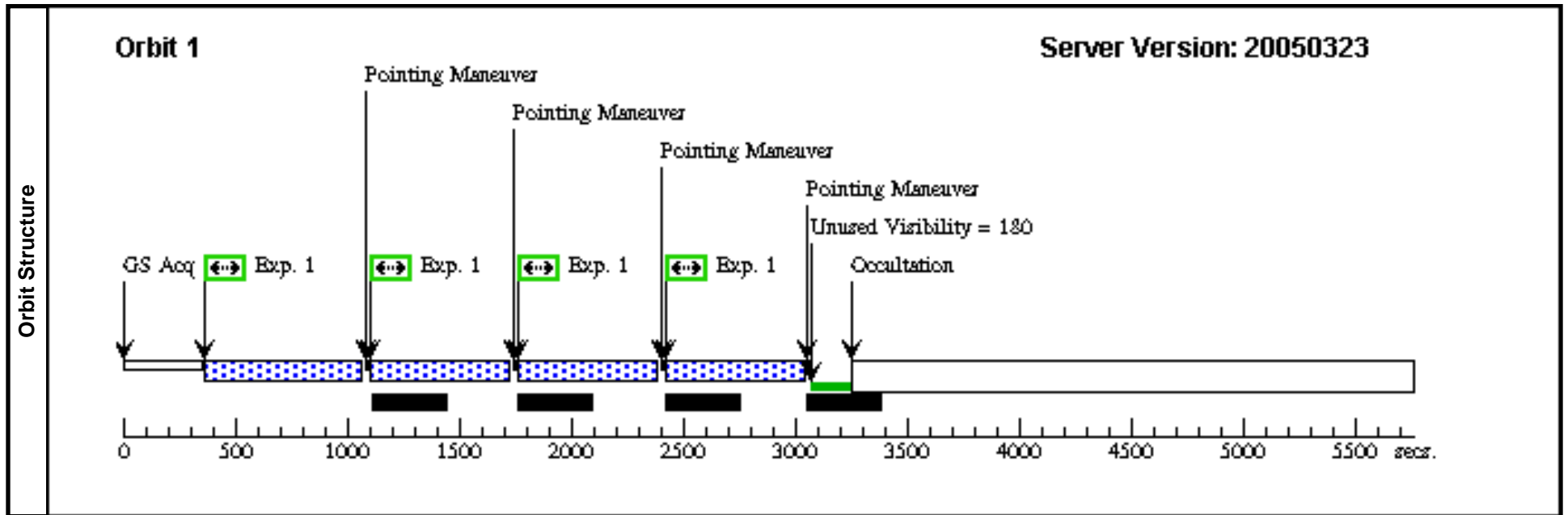


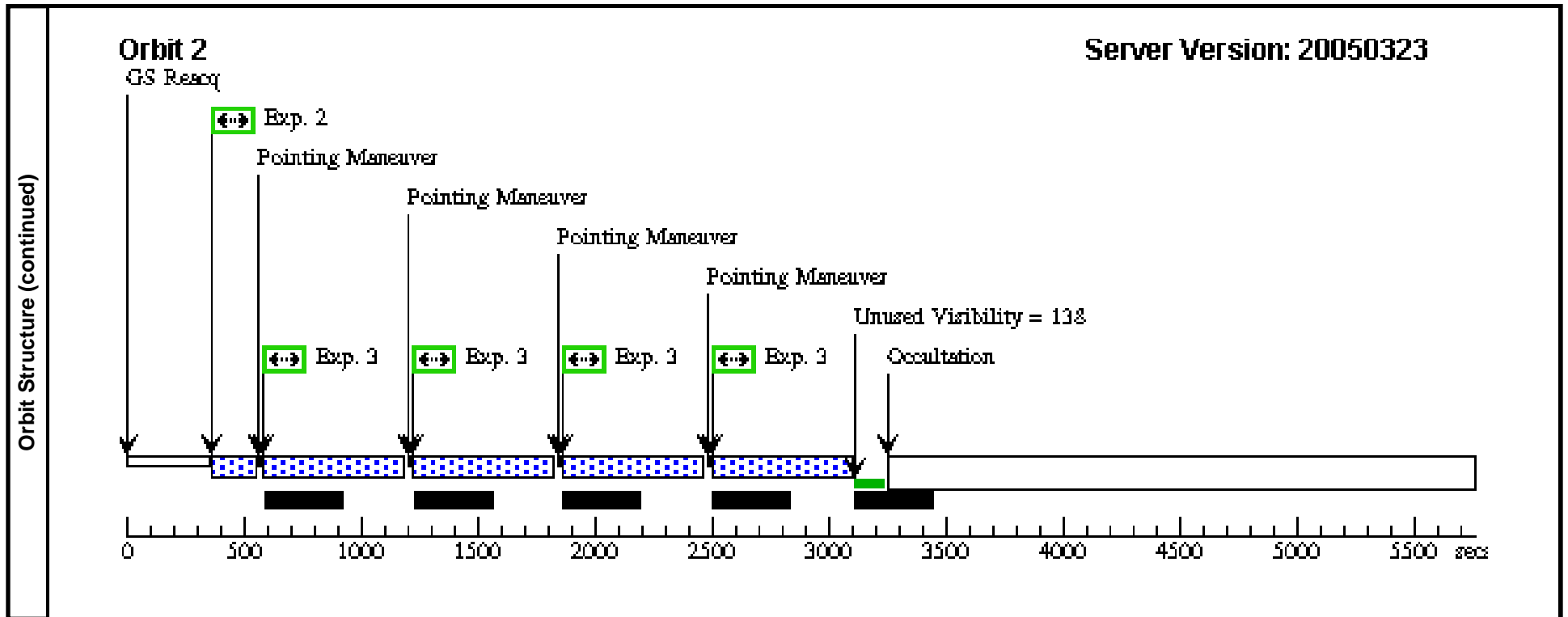


Proposal 10135 - Visit 03 - Unveiling the Progenitors and Physics of Cosmic Explosions

Fri May 27 19:19:01 GMT 2005

<b>Visit</b>	<b>Proposal 10135, Visit 03</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC Special Requirements: PCS MODE FINE; AFTER 01 BY 100 D TO 115 D <i>Comments: This is the third observation of GRB040924 at z=0.8</i>									
	<b>Patterns</b>	#	<b>Primary Pattern</b>		<b>Secondary Pattern</b>		<b>Exposures</b>			
(2)		Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=4 Point Spacing=0.164 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=false			(1)				
(3)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.304 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=137.2 Angle Between Sides= Center Pattern=false	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.164 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=false	(3)					
<b>Fixed Targets</b>	#	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(10)	GRB040924	RA: 02 06 22.4500 (31.5935417d) Dec: +16 06 48.72 (16.11353d) Equinox: J2000 Plate Id: (?)	Redshift: 0.8	V=27.0	Coordinate Source: IMAGE_TIED_TO_GSC_FRAME				
<b>Exposures</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) GRB040924	(10) GRB040924	ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO		Sequence 1-1 Non-Int Pattern 1-1 (2)	501.0 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]
	2	(10) GRB040924	(10) GRB040924	ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO		Sequence 2-3 Non-Int	60.0 Secs [=>]	[2]
3	(10) GRB040924	(10) GRB040924	ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO	POS TARG 0.279,0.0773		Sequence 2-3 Non-Int Pattern 3-3 (3)	482.0 Secs [=>(Pattern 1,1)] [=>(Pattern 1,2)] [=>(Pattern 2,1)] [=>(Pattern 2,2)]	[2]

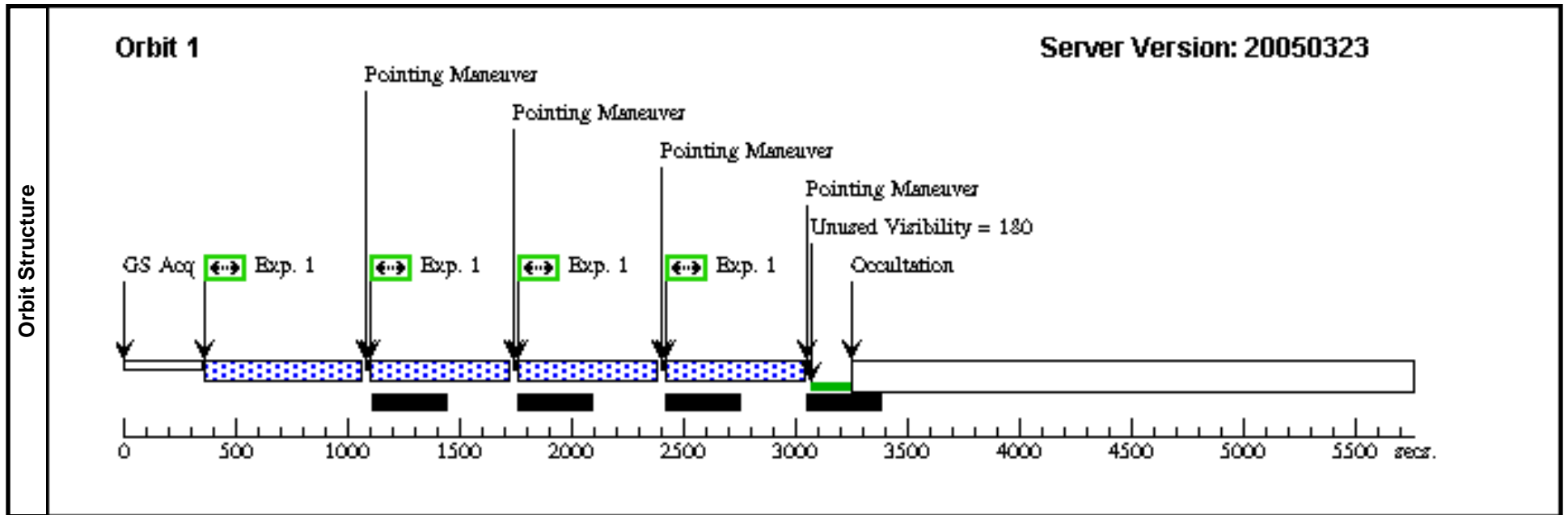


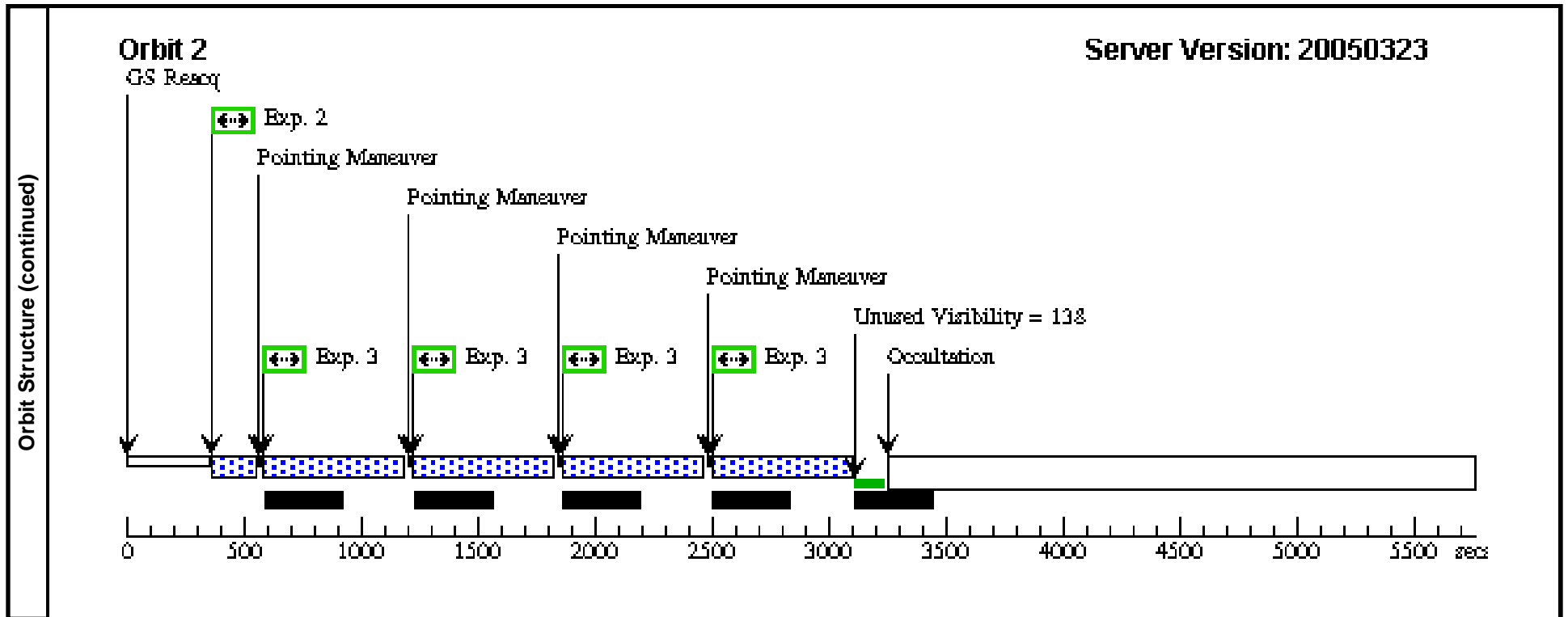


Proposal 10135 - Visit 04 - Unveiling the Progenitors and Physics of Cosmic Explosions

Fri May 27 19:19:35 GMT 2005

Visit	<b>Proposal 10135, Visit 04</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC Special Requirements: PCS MODE FINE; SAME ORIENT AS 03; AFTER 01 BY 100 D TO 115 D Comments: <i>This is the last observation of GRB040924 at z=0.8</i>									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(2)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=4 Point Spacing=0.164 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=false		(1)				
	(3)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.304 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=137.2 Angle Between Sides= Center Pattern=false	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.164 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=false	(3)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(10)	GRB040924	RA: 02 06 22.4500 (31.5935417d) Dec: +16 06 48.72 (16.11353d) Equinox: J2000 Plate Id: (?)	Redshift: 0.8	V=27.0	Coordinate Source: IMAGE_TIED_TO_GSC_FRAME				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(10) GRB040924	ACS/WFC, ACCUM, WFC1	F850LP	CR-SPLIT=NO		Sequence 1-1 Non-Int Pattern 1-1 (2)	501.0 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]
	2		(10) GRB040924	ACS/WFC, ACCUM, WFC1	F850LP	CR-SPLIT=NO		Sequence 2-3 Non-Int	60.0 Secs [=>]	[2]
3		(10) GRB040924	ACS/WFC, ACCUM, WFC1	F850LP	CR-SPLIT=NO	POS TARG 0.279,0.0773		Sequence 2-3 Non-Int Pattern 3-3 (3)	482.0 Secs [=>(Pattern 1,1)] [=>(Pattern 1,2)] [=>(Pattern 2,1)] [=>(Pattern 2,2)]	[2]

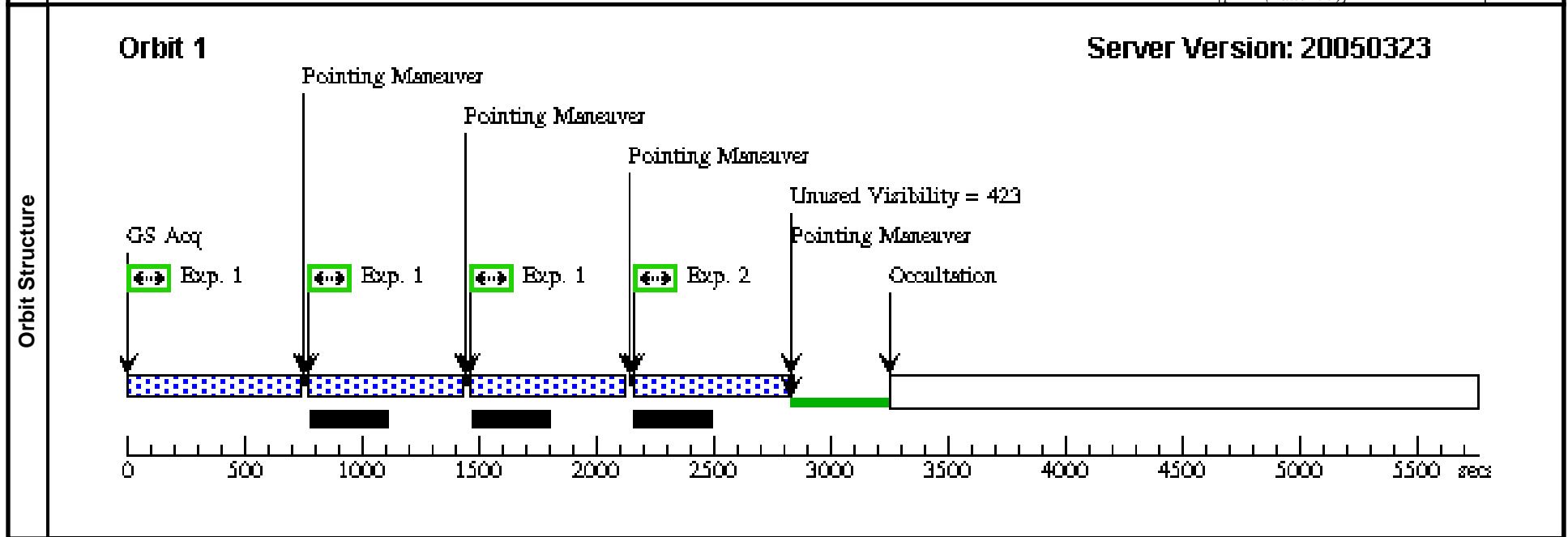


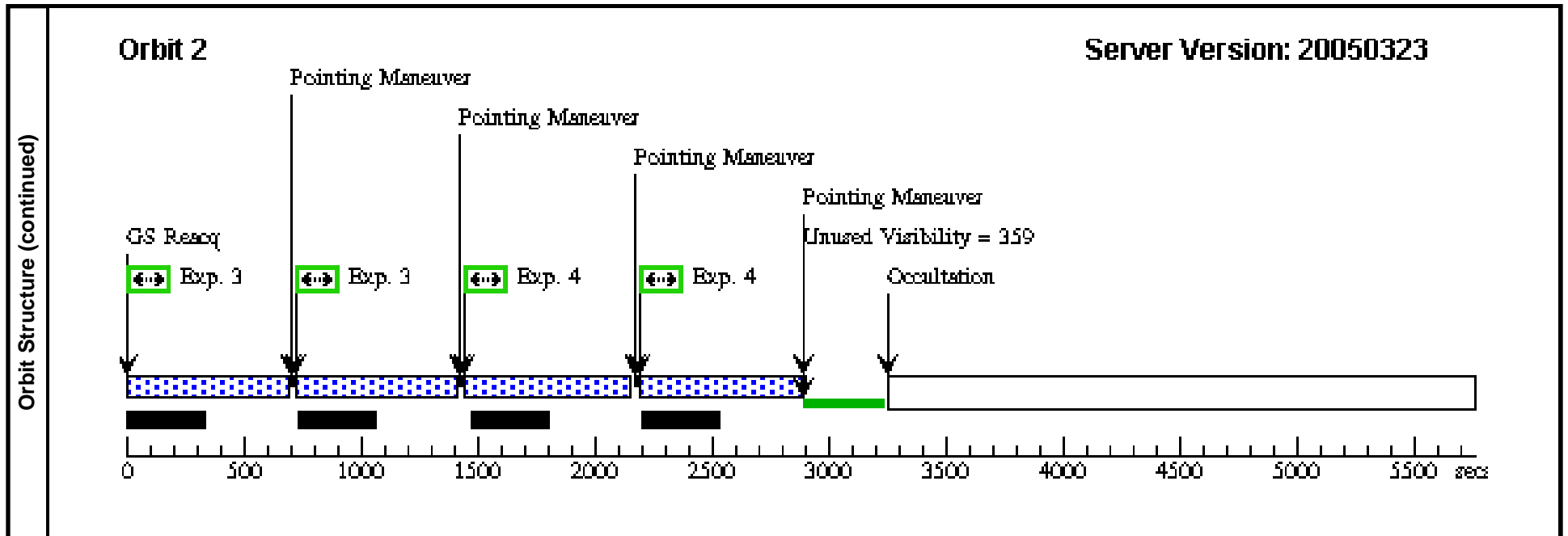


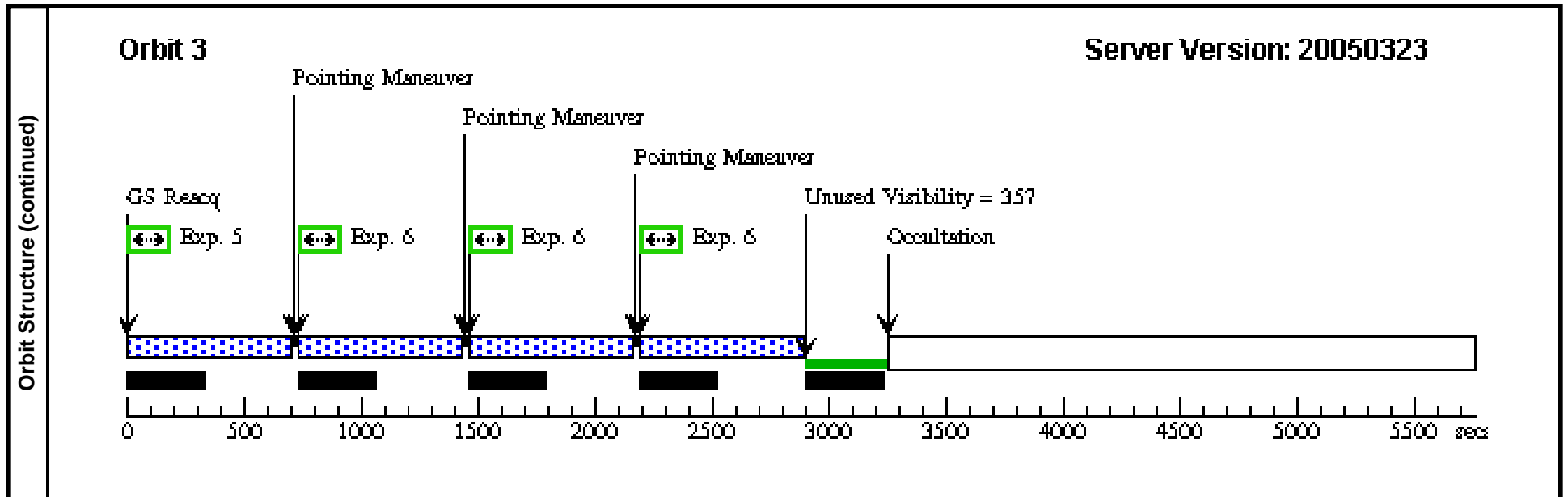
<b>Visit</b>	<b>Proposal 10135, Visit 06</b> <b>Diagnostic Status: Error</b> Scientific Instruments: ACS/WFC Special Requirements: PCS MODE FINE; NUMBER OF GYROS 3 <i>Comments: This is the first visit for GRB050416a at z&lt;1</i>									
	<b>Diagnostics</b>	(Visit 06) Error: INVALID GS ACQ SCENARIO SPECIAL REQUIREMENT (Visit 06) Warning: Number of Gyros overrides default value.								
<b>Patterns</b>		<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			<b>Exposures</b>
	(4)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.138 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=33 Angle Between Sides= Center Pattern=true						(1), (6)	
(5)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.138 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=33 Angle Between Sides= Center Pattern=true						(3), (4)		
<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)	GRB050416A	RA: 12 33 54.6000 (188.4775000d) Dec: +21 03 26.70 (21.05742d) Equinox: J2000 Plate Id: (?)			V=27.0		Coordinate Source: IMAGE_TIED_TO_GSC_FRAME		
<i>Comments: z&lt;1</i>										
<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) GRB050416A	ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO	POS TARG -0.2810 67,0.226967;	Sequence 1-2 Non-Int Pattern 1-1 (4)	537.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	
	2	(11) GRB050416A	ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO	POS TARG 0.23146 7,0.150267	Sequence 1-2 Non-Int	537.0 Secs [==>]	[1]	
	3	(11) GRB050416A	ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO	POS TARG 0,0	Sequence 3-4 Non-Int Pattern 3-3 (5)	567.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[2]	

Proposal 10135 - Visit 06 - Unveiling the Progenitors and Physics of Cosmic Explosions

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	4	(11) GRB050416A	ACS/WFC, ACCUM, WFC1	F850LP	CR-SPLIT=NO	POS TARG 0,0	Sequence 3-4 Non-Int Pattern 4-4 (5)	567.0 Secs	[==>(Pattern 1)] [==>(Pattern 2)]	[2]
	5	(11) GRB050416A	ACS/WFC, ACCUM, WFC1	F850LP	CR-SPLIT=NO	POS TARG 0.23146 7,0.150267	Sequence 5-6 Non-Int	574.0 Secs	[==>]	[3]
	6	(11) GRB050416A	ACS/WFC, ACCUM, WFC1	F850LP	CR-SPLIT=NO	POS TARG -0.2810 67,0.226967	Sequence 5-6 Non-Int Pattern 6-6 (4)	574.0 Secs	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[3]







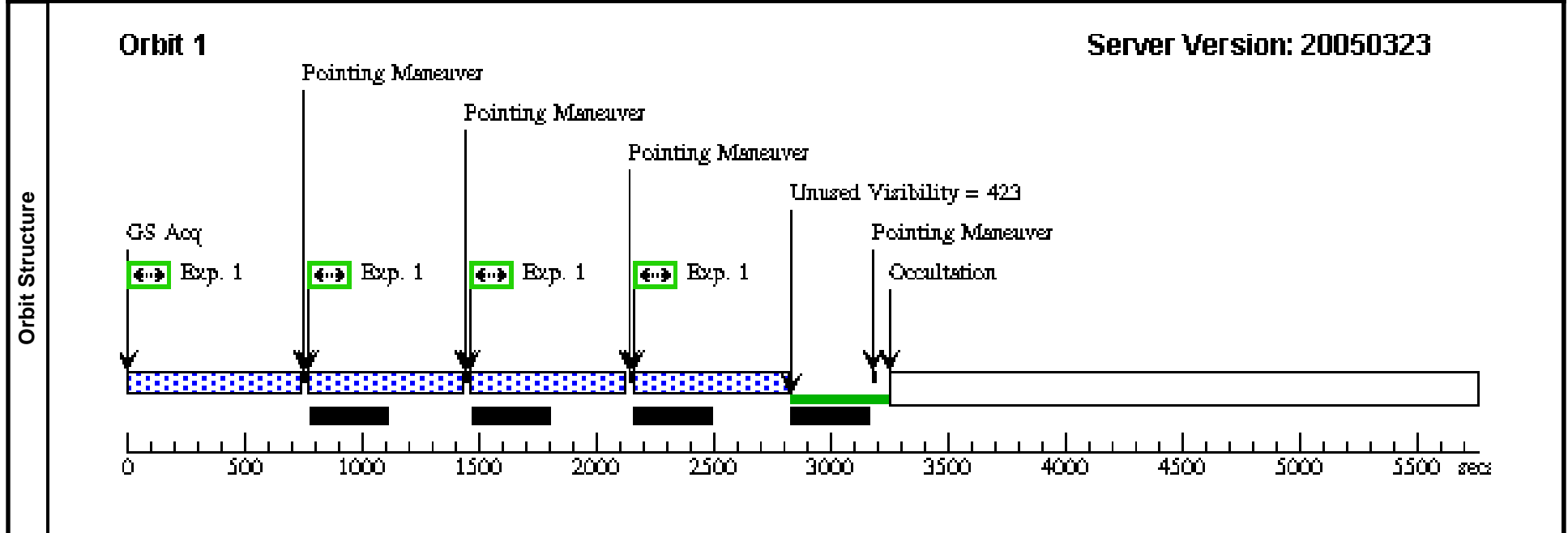
Proposal 10135 - Visit 07 - Unveiling the Progenitors and Physics of Cosmic Explosions

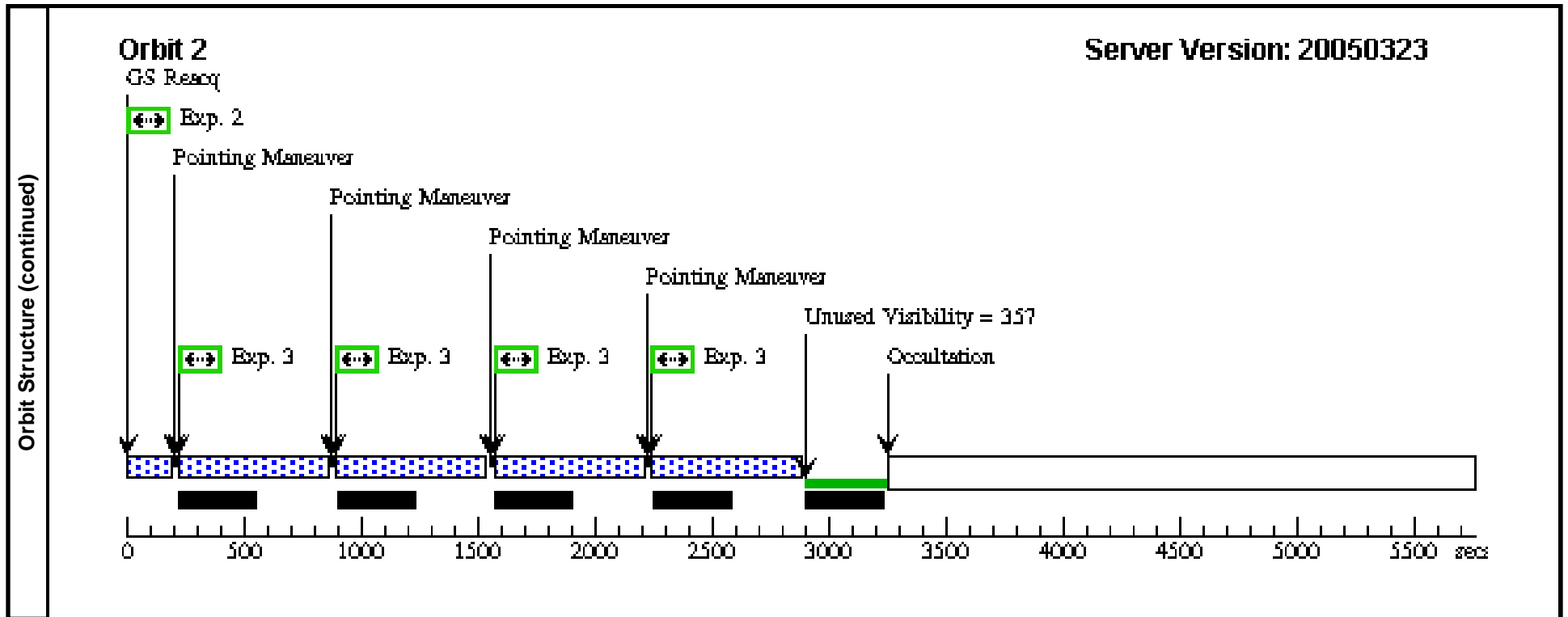
Fri May 27 19:20:45 GMT 2005

<b>Visit</b>	<b>Proposal 10135, Visit 07</b> <b>Diagnostic Status: Error</b> Scientific Instruments: ACS/WFC Special Requirements: PCS MODE FINE; NUMBER OF GYROS 3; SAME ORIENT AS 06; AFTER 06 BY 23 D TO 27 D <i>Comments: This is the second observation of GRB050416a at z&lt;1</i>									
	<b>Diagnostics</b>	(Visit 07) Error: INVALID GS ACQ SCENARIO SPECIAL REQUIREMENT (Visit 07) Warning: Number of Gyros overrides default value.								
<b>Patterns</b>		<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			
	(2)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=4 Point Spacing=0.164 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=false							(1)
(3)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.304 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=137.2 Angle Between Sides= Center Pattern=false	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.164 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=false					(3)	
<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)	GRB050416A	RA: 12 33 54.6000 (188.4775000d) Dec: +21 03 26.70 (21.05742d) Equinox: J2000 Plate Id: (?)					V=27.0	Coordinate Source: IMAGE_TIED_TO_GSC_FRAME	
<i>Comments: z&lt;1</i>										
<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) GRB050416A	ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO	GS ACQ SCENARIO BASE13GO	Sequence 1-1 Non-Int Pattern 1-1 (2)	537.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]	
2	(11) GRB050416A	ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO		Sequence 2-3 Non-Int	60.0 Secs [==>]	[2]		

Proposal 10135 - Visit 07 - Unveiling the Progenitors and Physics of Cosmic Explosions

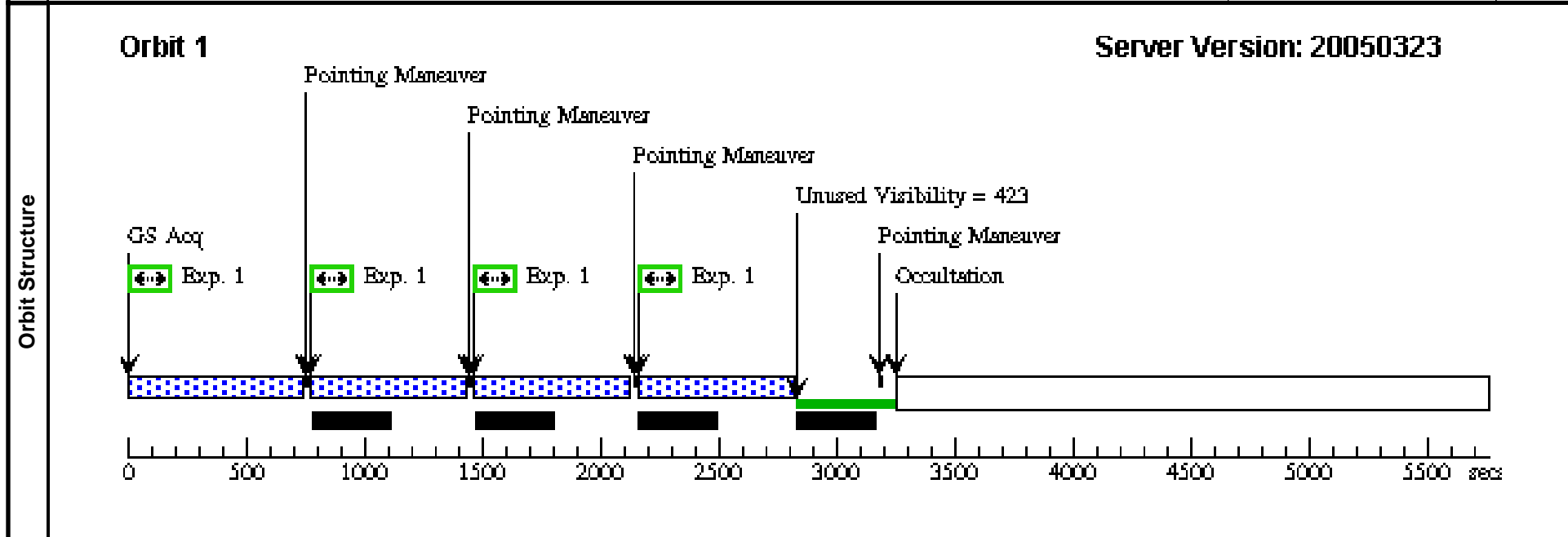
Exposures (continued)	#	Label	Target	Config, Mode, Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	3		(11) GRB050416A	ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO	POS TARG 0.279, 0.0773	Sequence 2-3 Non-Int	519.0 Secs	
									[==>(Pattern 1,1)]	
									[==>(Pattern 1,2)]	
									[==>(Pattern 2,1)]	
									[==>(Pattern 2,2)]	
									Pattern 3-3 (3)	[2]

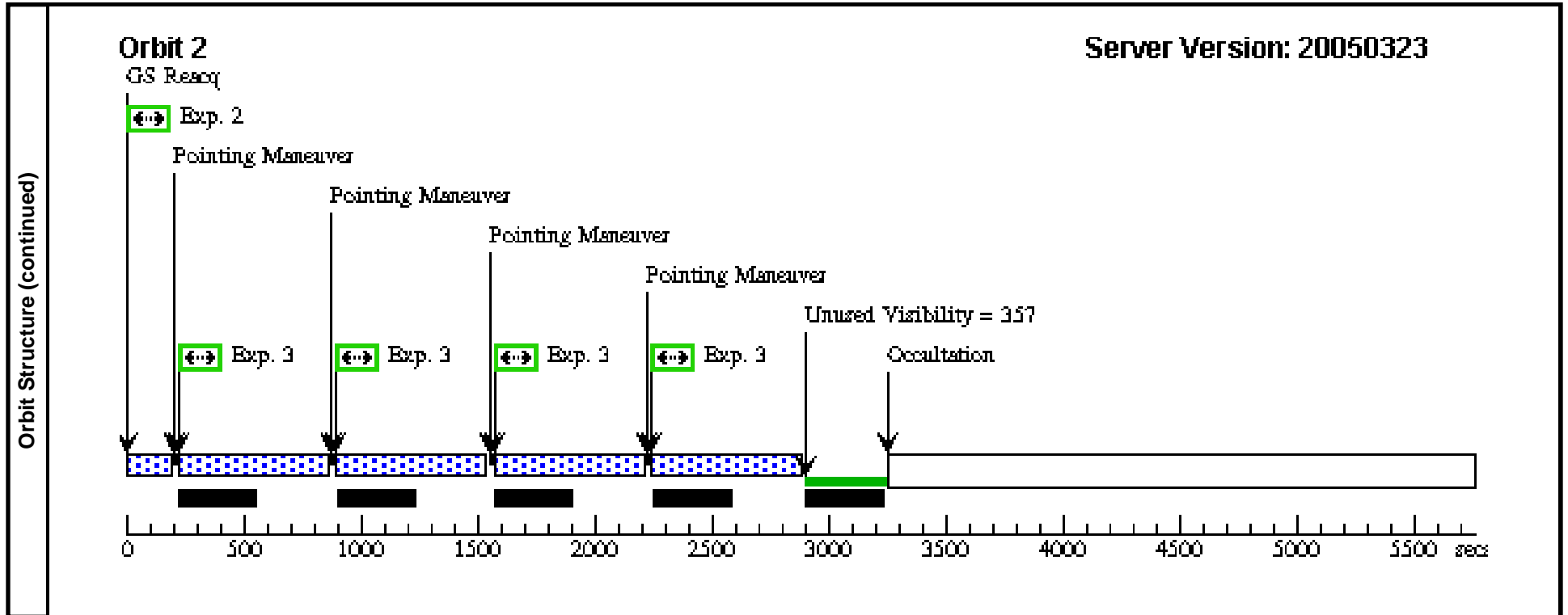




<b>Visit</b>	<b>Proposal 10135, Visit 08</b> <b>Diagnostic Status: Error</b> Scientific Instruments: ACS/WFC Special Requirements: PCS MODE FINE; NUMBER OF GYROS 3; AFTER 06 BY 46 D TO 54 D <i>Comments: This is the third observation of GRB050416a at z&lt;1</i>									
	<b>Diagnostics</b>	(Visit 08) Error: INVALID GS ACQ SCENARIO SPECIAL REQUIREMENT (Visit 08) Warning: Number of Gyros overrides default value.								
<b>Patterns</b>		<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			
	(2)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=4 Point Spacing=0.164 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=false							(1)
(3)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.304 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=137.2 Angle Between Sides= Center Pattern=false	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.164 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=false					(3)	
<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)	GRB050416A	RA: 12 33 54.6000 (188.4775000d) Dec: +21 03 26.70 (21.05742d) Equinox: J2000 Plate Id: (?)					V=27.0	Coordinate Source: IMAGE_TIED_TO_GSC_FRAME	
<i>Comments: z&lt;1</i>										
<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) GRB050416A	ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO	GS ACQ SCENARIO BASE13GO	Sequence 1-1 Non-Int Pattern 1-1 (2)	537.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]	
2	(11) GRB050416A	ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO		Sequence 2-3 Non-Int	60.0 Secs [==>]	[2]		

Exposures (continued)	#	Label	Target	Config, Mode, Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	3	(11) GRB050416A	ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO	POS TARG 0.279, 0.0773	Sequence 2-3 Non-Int Pattern 3-3 (3)	519.0 Secs [==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[2]	





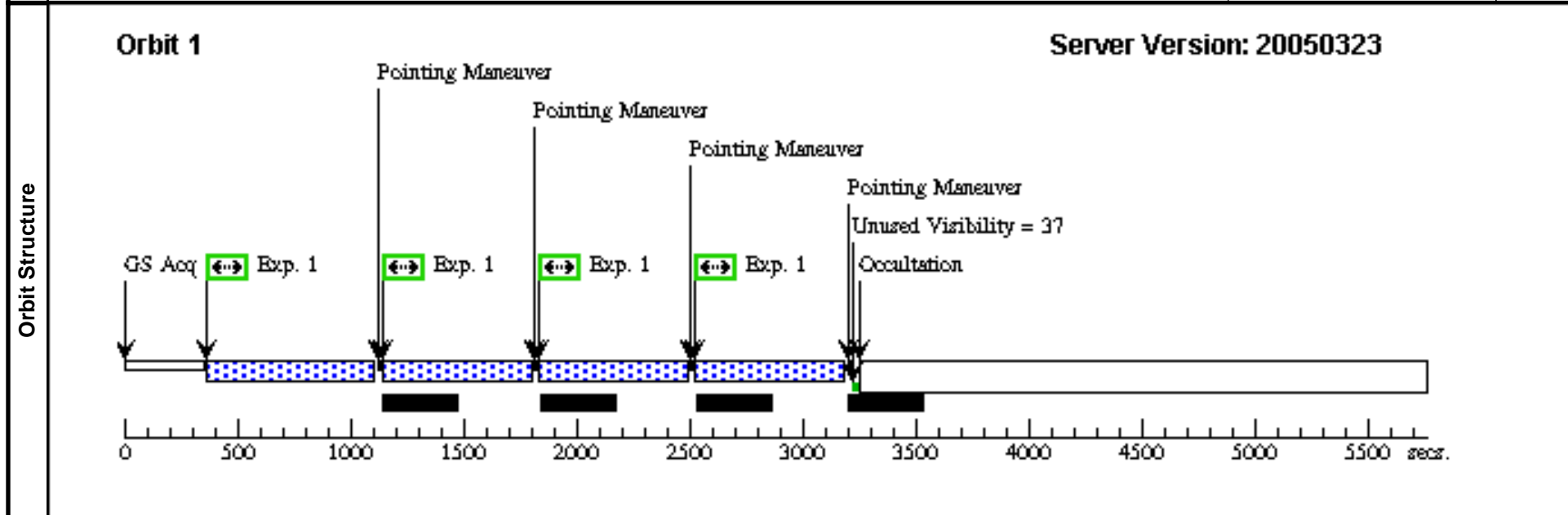
Proposal 10135 - Visit 09 - Unveiling the Progenitors and Physics of Cosmic Explosions

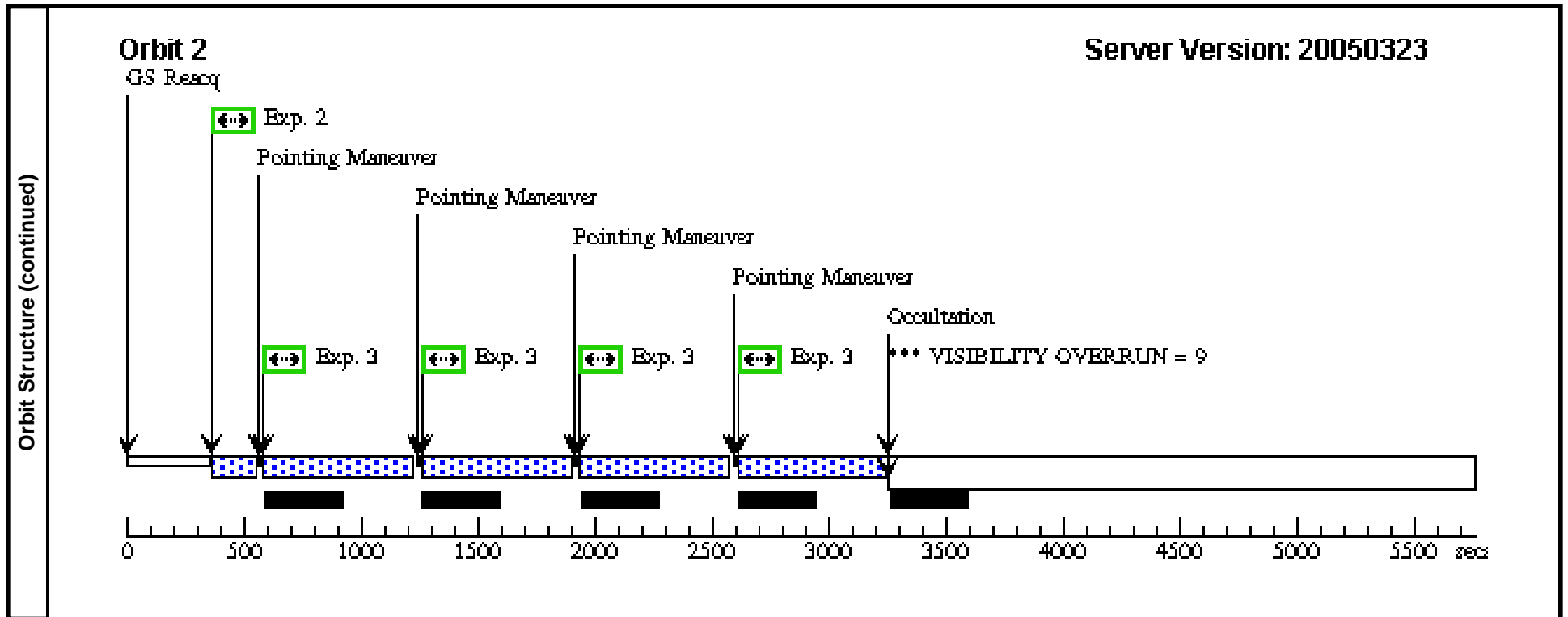
Fri May 27 19:21:44 GMT 2005

<b>Visit</b>	<b>Proposal 10135, Visit 09</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: ACS/WFC Special Requirements: PCS MODE FINE; BETWEEN 01-NOV-2005:12:16:46 AND 01-DEC-2005:12:16:46 <i>Comments: This is the fourth observation of GRB050416a at z&lt;1</i>									
	<b>Diagnosics</b> (Visit 09) Warning: VISIBILITY OVERRUN									
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			<b>Exposures</b>	
	(2)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=4 Point Spacing=0.164 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=false						(1)	
(3)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.304 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=137.2 Angle Between Sides= Center Pattern=false	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.164 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=false			(3)			
<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)	GRB050416A	RA: 12 33 54.6000 (188.4775000d) Dec: +21 03 26.70 (21.05742d) Equinox: J2000 Plate Id: (?)			V=27.0	Coordinate Source: IMAGE_TIED_TO_GSC_FRAME			
<i>Comments: z&lt;1</i>										
<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) GRB050416A	(11) GRB050416A	ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO		Sequence 1-1 Non-Int Pattern 1-1 (2)	537.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
2	(11) GRB050416A	(11) GRB050416A	ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO		Sequence 2-3 Non-Int	60.0 Secs [==>]	[2]	

Proposal 10135 - Visit 09 - Unveiling the Progenitors and Physics of Cosmic Explosions

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	3	(11) GRB050416A	ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO	POS TARG 0.279,0.0773	Sequence 2-3 Non-Int	Pattern 3-3 (3)	519.0 Secs [==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[2]





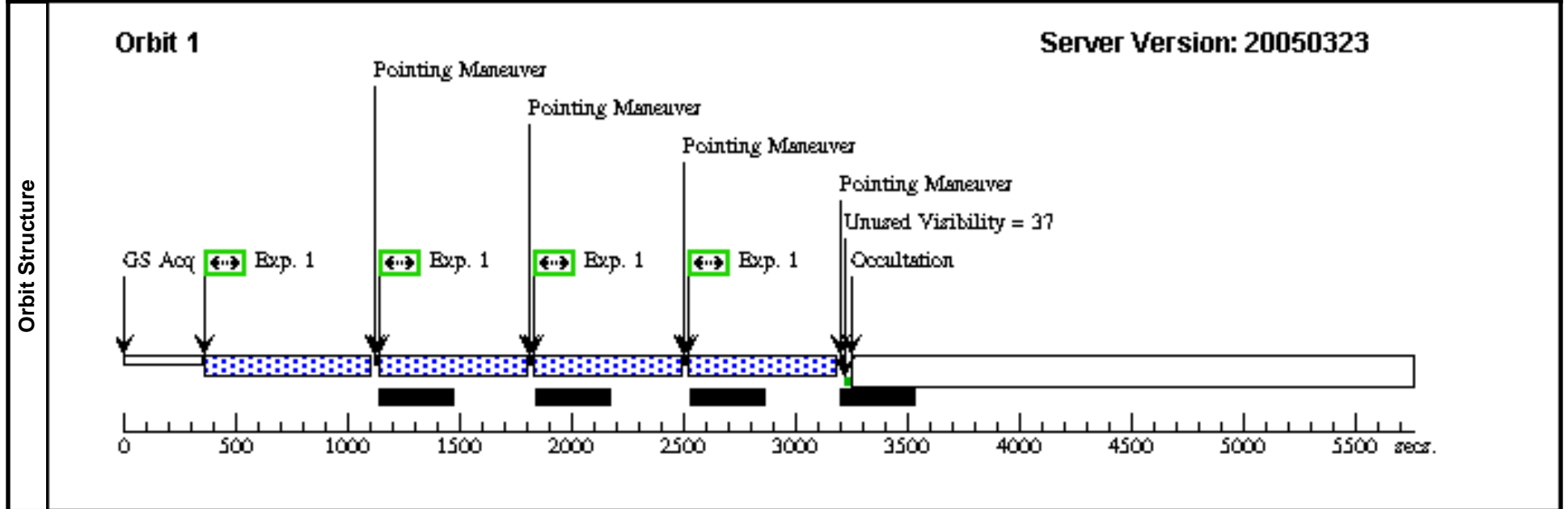
Proposal 10135 - Visit 10 - Unveiling the Progenitors and Physics of Cosmic Explosions

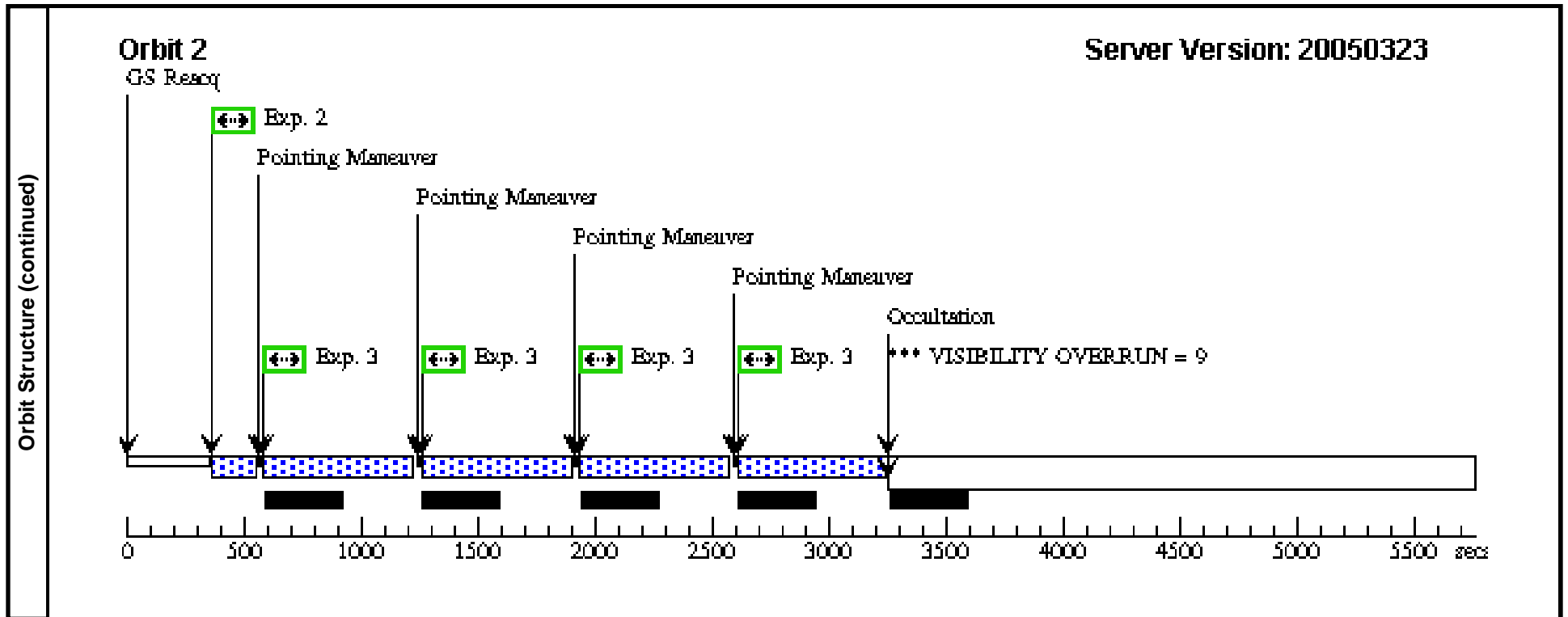
Fri May 27 19:22:13 GMT 2005

<b>Visit</b>	<b>Proposal 10135, Visit 10</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: ACS/WFC Special Requirements: PCS MODE FINE; SAME ORIENT AS 09; BETWEEN 01-NOV-2005:12:15:56 AND 01-DEC-2005:00:00:00 <i>Comments: This is the last observation of GRB050416a at z&lt;1</i>									
	<b>Diagnosics</b> (Visit 10) Warning: VISIBILITY OVERRUN									
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>				<b>Exposures</b>
	(2)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=4 Point Spacing=0.164 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=false					(1)		
(3)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.304 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=137.2 Angle Between Sides= Center Pattern=false	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.164 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=false					(3)	
<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)	GRB050416A	RA: 12 33 54.6000 (188.4775000d) Dec: +21 03 26.70 (21.05742d) Equinox: J2000 Plate Id: (?)			V=27.0	Coordinate Source: IMAGE_TIED_TO_GSC_FRAME			
<i>Comments: z&lt;1</i>										
<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) GRB050416A	ACS/WFC, ACCUM, WFC1	F850LP	CR-SPLIT=NO			Sequence 1-1 Non-Int Pattern 1-1 (2)	537.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
2	(11) GRB050416A	ACS/WFC, ACCUM, WFC1	F850LP	CR-SPLIT=NO			Sequence 2-3 Non-Int	60.0 Secs [==>]	[2]	

Proposal 10135 - Visit 10 - Unveiling the Progenitors and Physics of Cosmic Explosions

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	3	(11) GRB050416A	ACS/WFC, ACCUM, WFC1	F850LP	CR-SPLIT=NO	POS TARG 0.279,0.0773	Sequence 2-3 Non-Int Pattern 3-3 (3)	519.0 Secs [==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[2]	

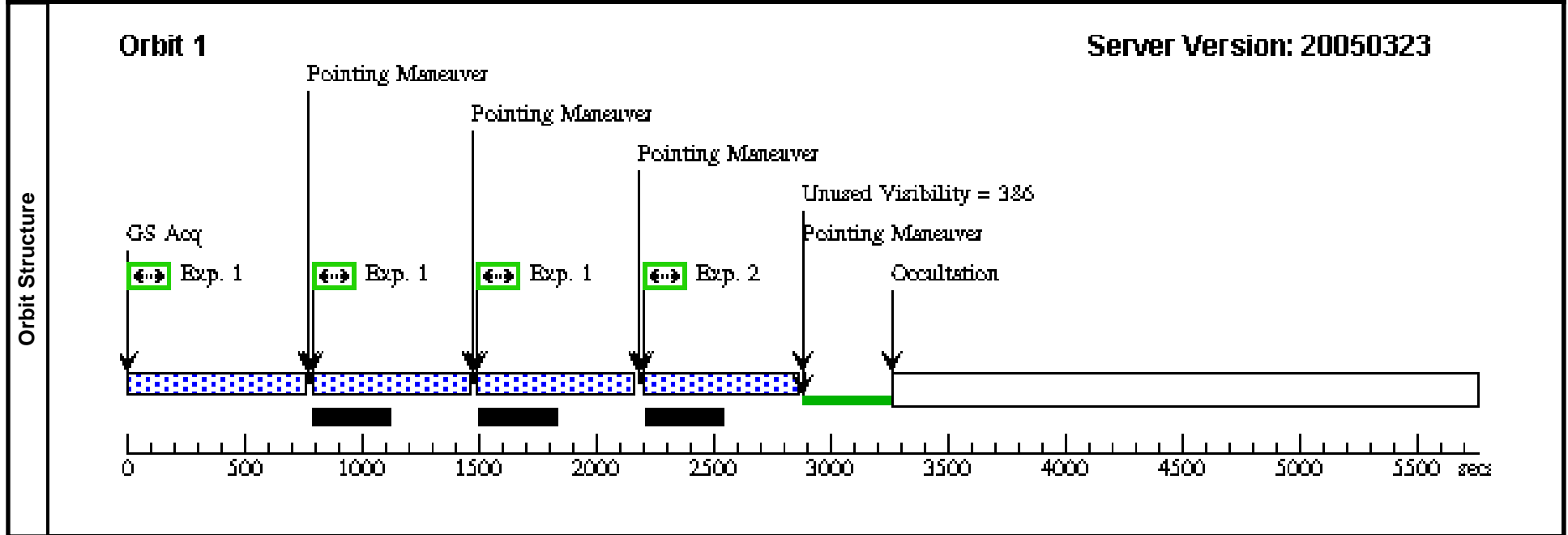


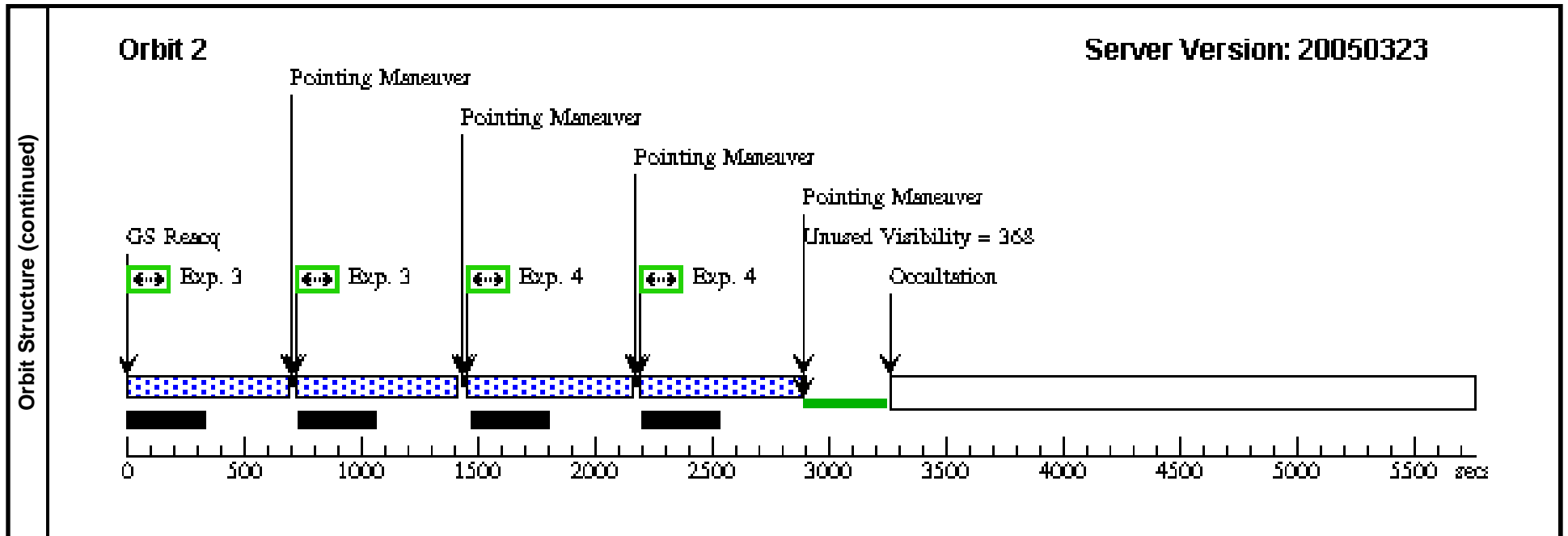


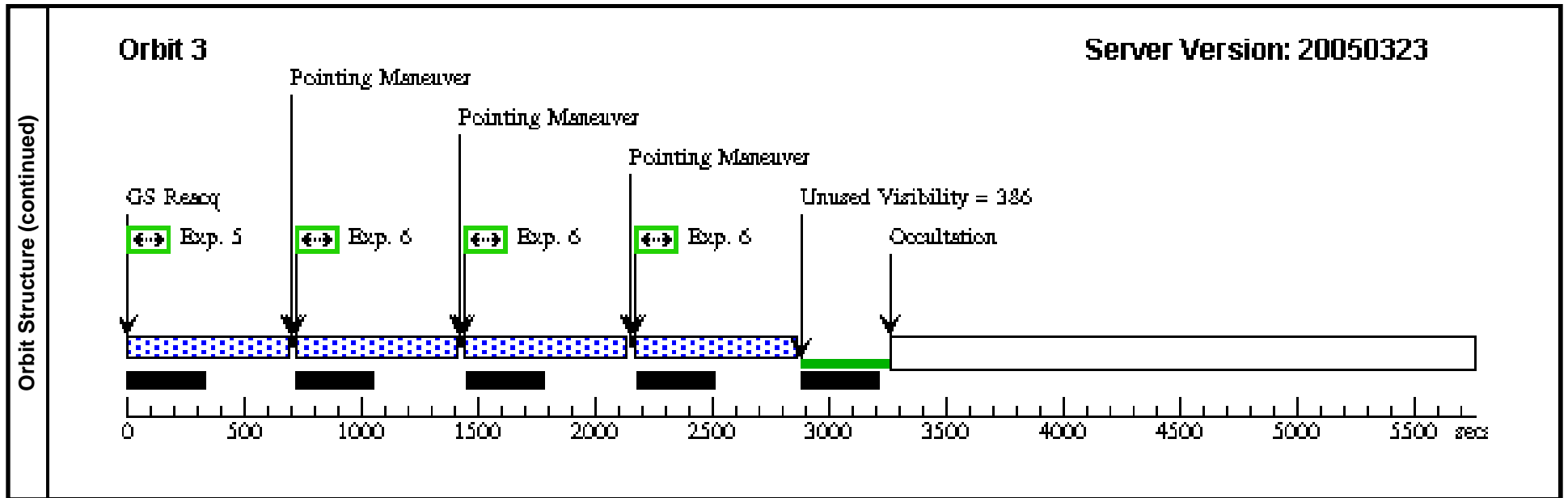
<b>Visit</b>	<b>Proposal 10135, Visit 96</b> <b>Diagnostic Status: Error</b> Scientific Instruments: ACS/WFC Special Requirements: PCS MODE FINE; NUMBER OF GYROS 3 <i>Comments: This is the first visit for GRB050525 at z=0.6</i>									
	<b>Diagnostics</b>	(Visit 96) Error: INVALID GS ACQ SCENARIO SPECIAL REQUIREMENT (Visit 96) Warning: Number of Gyros overrides default value.								
<b>Patterns</b>		<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			<b>Exposures</b>
	(4)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.138 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=33 Angle Between Sides= Center Pattern=true						(1), (6)	
(5)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.138 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=33 Angle Between Sides= Center Pattern=true						(3), (4)		
<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)	GRB050525	RA: 18 32 32.6000 (278.1358333d) Dec: +26 20 22.40 (26.33956d) Equinox: J2000 Plate Id: (?)			V=17.0	Coordinate Source: IMAGE_TIED_TO_GSC_FRAME			
<i>Comments: New Swift burst at z=0.6</i>										
<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) GRB050525	(12) GRB050525	ACS/WFC, ACCUM, WFC1	F625W	CR-SPLIT=NO	POS TARG -0.2810 67,0.226967; GS ACQ SCENARI O BASE13GO	Sequence 1-2 Non-Int Pattern 1-1 (4)	552.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	2	(12) GRB050525	(12) GRB050525	ACS/WFC, ACCUM, WFC1	F625W	CR-SPLIT=NO	POS TARG 0.23146 7,0.150267	Sequence 1-2 Non-Int	538.0 Secs [==>]	[1]
	3	(12) GRB050525	(12) GRB050525	ACS/WFC, ACCUM, WFC1	F625W	CR-SPLIT=NO	POS TARG 0,0	Sequence 3-4 Non-Int Pattern 3-3 (5)	569.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[2]

Proposal 10135 - Visit 96 - Unveiling the Progenitors and Physics of Cosmic Explosions

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	4		(12) GRB050525	ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO	POS TARG 0,0	Sequence 3-4 Non-Int Pattern 4-4 (5)	569.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[2]
	5		(12) GRB050525	ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO	POS TARG 0.23146 7,0.150267	Sequence 5-6 Non-Int	566.0 Secs [==>]	[3]
	6		(12) GRB050525	ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO	POS TARG -0.2810 67,0.226967	Sequence 5-6 Non-Int Pattern 6-6 (4)	570.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[3]







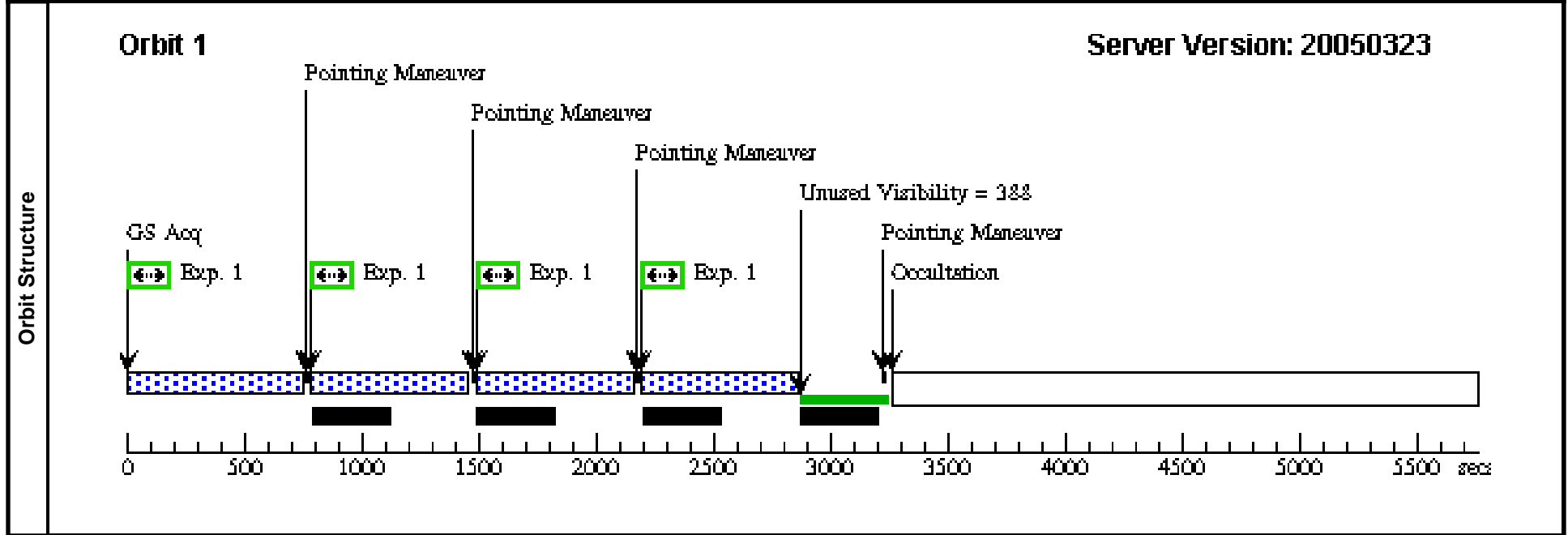
Proposal 10135 - Visit 97 - Unveiling the Progenitors and Physics of Cosmic Explosions

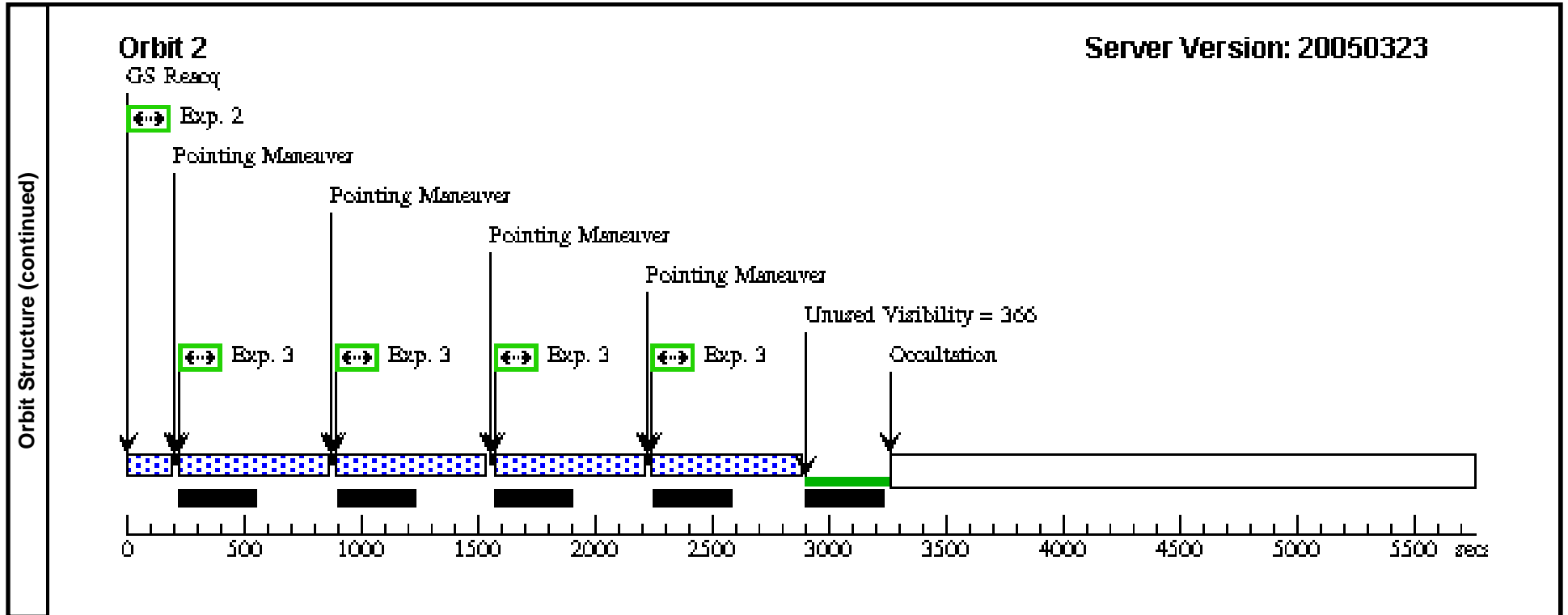
Fri May 27 19:23:20 GMT 2005

<b>Visit</b>	<b>Proposal 10135, Visit 97</b> <b>Diagnostic Status: Error</b> Scientific Instruments: ACS/WFC Special Requirements: PCS MODE FINE; NUMBER OF GYROS 3; SAME ORIENT AS 96; AFTER 96 BY 23 D TO 27 D <i>Comments: This is the second observation of GRB050525 at z=0.6</i>									
	<b>Diagnostics</b>	(Visit 97) Error: INVALID GS ACQ SCENARIO SPECIAL REQUIREMENT (Visit 97) Warning: Number of Gyros overrides default value.								
<b>Patterns</b>		<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			
	(2)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=4 Point Spacing=0.164 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=false							(1)
(3)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.304 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=137.2 Angle Between Sides= Center Pattern=false	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.164 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=false					(3)	
<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)	GRB050525	RA: 18 32 32.6000 (278.1358333d) Dec: +26 20 22.40 (26.33956d) Equinox: J2000 Plate Id: (?)					V=17.0	Coordinate Source: IMAGE_TIED_TO_GSC_FRAME	
<i>Comments: New Swift burst at z=0.6</i>										
<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) GRB050525	ACS/WFC, ACCUM, WFC1	F625W	CR-SPLIT=NO	GS ACQ SCENARIO BASE13GO	Sequence 1-1 Non-Int Pattern 1-1 (2)	548.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]	
2	(12) GRB050525	ACS/WFC, ACCUM, WFC1	F625W	CR-SPLIT=NO		Sequence 2-3 Non-Int	60.0 Secs [==>]	[2]		

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Exposures (continued)	#	Label	Target	Config, Mode, Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	3		(12) GRB050525	ACS/WFC, ACCUM, WFC1	F625W	CR-SPLIT=NO	POS TARG 0.279, 0.0773	Sequence 2-3 Non-Int	519.0 Secs	
									[==>(Pattern 1,1)]	
									[==>(Pattern 1,2)]	
									[==>(Pattern 2,1)]	
									[==>(Pattern 2,2)]	[2]

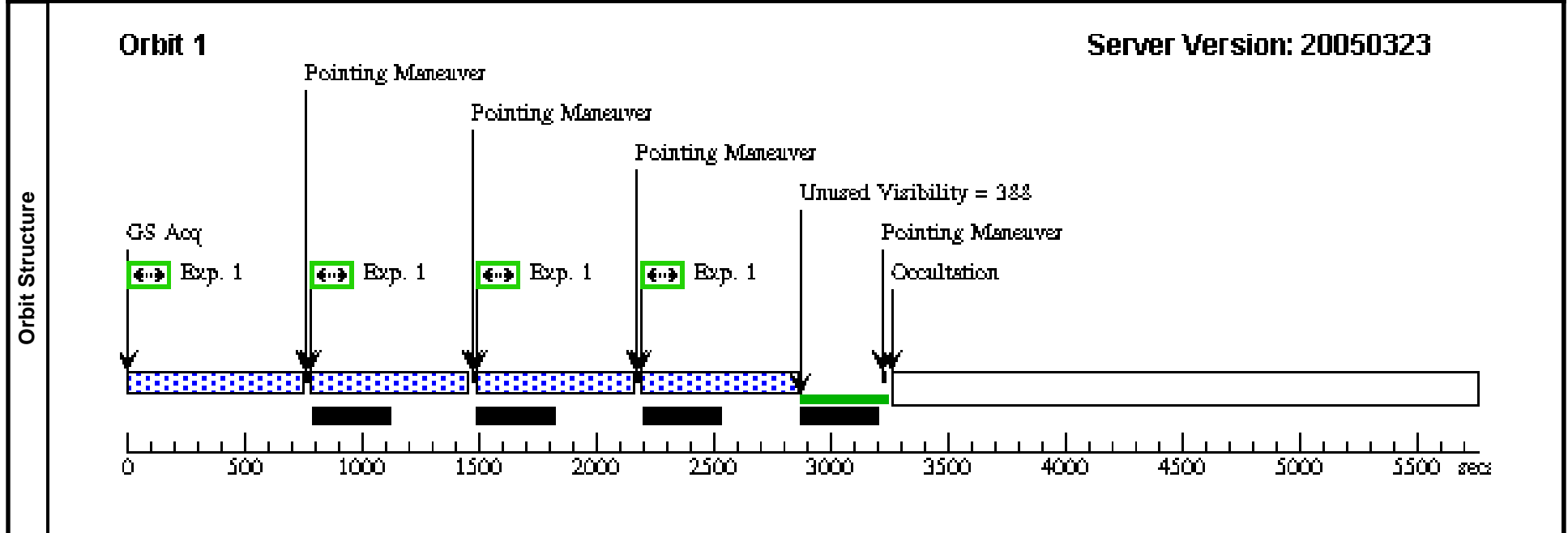


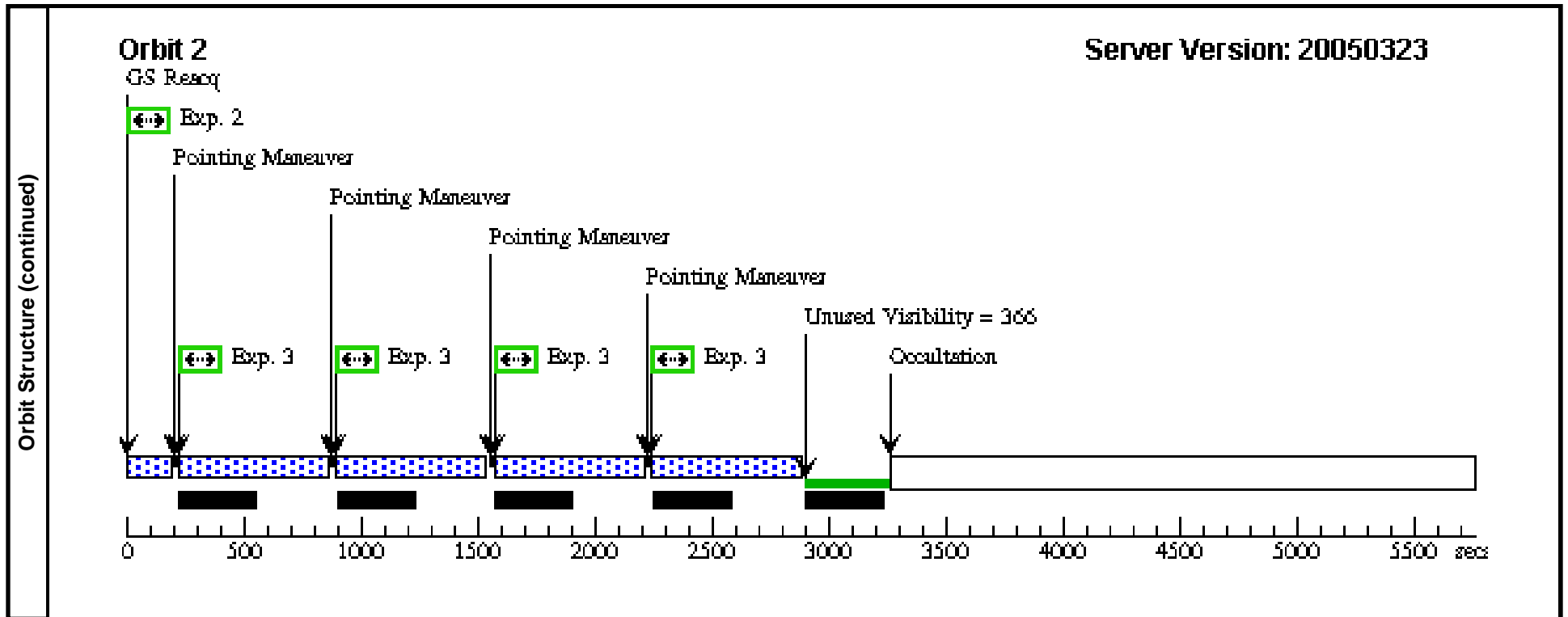


<b>Visit</b>	<b>Proposal 10135, Visit 98</b> <b>Diagnostic Status: Error</b> Scientific Instruments: ACS/WFC Special Requirements: PCS MODE FINE; NUMBER OF GYROS 3; AFTER 96 BY 46 D TO 54 D <i>Comments: This is the third observation of GRB050525 at z=0.6</i>									
	<b>Diagnosics</b> (Visit 98) Error: INVALID GS ACQ SCENARIO SPECIAL REQUIREMENT (Visit 98) Warning: Number of Gyros overrides default value.									
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>				<b>Exposures</b>
	(2)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=4 Point Spacing=0.164 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=false							(1)
(3)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.304 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=137.2 Angle Between Sides= Center Pattern=false	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.164 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=false					(3)	
<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)	GRB050525	RA: 18 32 32.6000 (278.1358333d) Dec: +26 20 22.40 (26.33956d) Equinox: J2000 Plate Id: (?)					V=17.0	Coordinate Source: IMAGE_TIED_TO_GSC_FRAME	
<i>Comments: New Swift burst at z=0.6</i>										
<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) GRB050525	ACS/WFC, ACCUM, WFC1	F625W	CR-SPLIT=NO	GS ACQ SCENARIO BASE13GO	Sequence 1-1 Non-Int Pattern 1-1 (2)	548.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]	
2	(12) GRB050525	ACS/WFC, ACCUM, WFC1	F625W	CR-SPLIT=NO		Sequence 2-3 Non-Int	60.0 Secs [==>]	[2]		

Proposal 10135 - Visit 98 - Unveiling the Progenitors and Physics of Cosmic Explosions

Exposures (continued)	#	Label	Target	Config, Mode, Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	3		(12) GRB050525	ACS/WFC, ACCUM, WFC1	F625W	CR-SPLIT=NO	POS TARG 0.279, 0.0773	Sequence 2-3 Non-Int	519.0 Secs	
									[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[2]

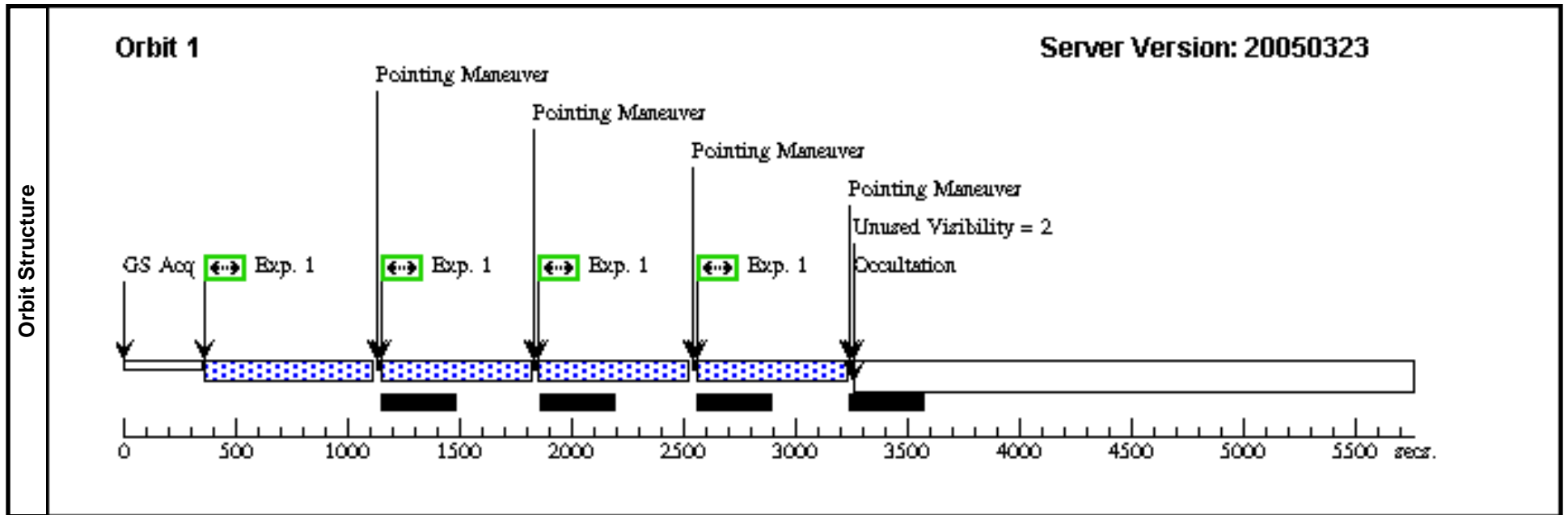


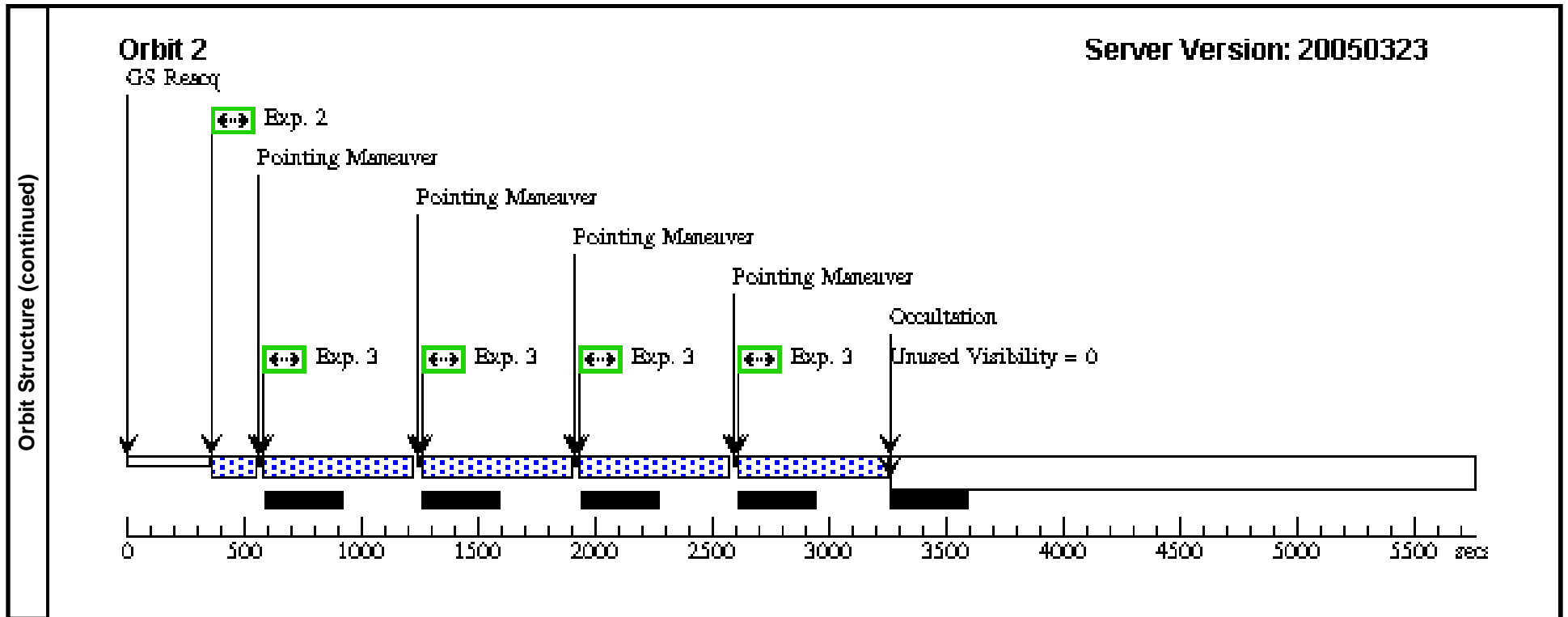


Proposal 10135 - Visit 99 - Unveiling the Progenitors and Physics of Cosmic Explosions

Fri May 27 19:24:21 GMT 2005

Visit	<b>Proposal 10135, Visit 99</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC Special Requirements: PCS MODE FINE <i>Comments: This is the fourth observation of GRB050525 at z=0.6</i>									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(2)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=4 Point Spacing=0.164 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=false		(1)				
	(3)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.304 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=137.2 Angle Between Sides= Center Pattern=false	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.164 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=false	(3)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(12)	GRB050525	RA: 18 32 32.6000 (278.1358333d) Dec: +26 20 22.40 (26.33956d) Equinox: J2000 Plate Id: (?)		V=17.0	Coordinate Source: IMAGE_TIED_TO_GSC_FRAME				
	<i>Comments: New Swift burst at z=0.6</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(12) GRB050525	ACS/WFC, ACCUM, WFC1	F625W	CR-SPLIT=NO		Sequence 1-1 Non-Int Pattern 1-1 (2)	548.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2		(12) GRB050525	ACS/WFC, ACCUM, WFC1	F625W	CR-SPLIT=NO		Sequence 2-3 Non-Int	60.0 Secs [==>]	[2]
	3		(12) GRB050525	ACS/WFC, ACCUM, WFC1	F625W	CR-SPLIT=NO	POS TARG 0.279,0.0773	Sequence 2-3 Non-Int Pattern 3-3 (3)	519.0 Secs [==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[2]





Proposal 10135 - Visit 0A - Unveiling the Progenitors and Physics of Cosmic Explosions

Fri May 27 19:24:51 GMT 2005

<b>Visit</b>	<b>Proposal 10135, Visit 0A</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC Special Requirements: PCS MODE FINE; SAME ORIENT AS 99 <i>Comments: This is the last observation of GRB050525 at z=0.6</i>									
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>		<b>Secondary Pattern</b>		<b>Exposures</b>				
	(2)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=4 Point Spacing=0.164 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=false			(1)				
(3)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.304 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=137.2 Angle Between Sides= Center Pattern=false	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.164 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=false	(3)					
<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)	GRB050525	RA: 18 32 32.6000 (278.1358333d) Dec: +26 20 22.40 (26.33956d) Equinox: J2000 Plate Id: (?)		V=17.0	Coordinate Source: IMAGE_TIED_TO_GSC_FRAME				
<i>Comments: New Swift burst at z=0.6</i>										
<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) GRB050525		ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO		Sequence 1-1 Non-Int Pattern 1-1 (2)	548.0 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]
	2	(12) GRB050525		ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO		Sequence 2-3 Non-Int	60.0 Secs [=>]	[2]
	3	(12) GRB050525		ACS/WFC, ACCUM, WFC1	F775W	CR-SPLIT=NO	POS TARG 0.279,0.0773	Sequence 2-3 Non-Int Pattern 3-3 (3)	519.0 Secs [=>(Pattern 1,1)] [=>(Pattern 1,2)] [=>(Pattern 2,1)] [=>(Pattern 2,2)]	[2]

