



## 13025 - Unveiling the progenitors of the most luminous supernovae

Cycle: 20, Proposal Category: GO

(Availability Mode: SUPPORTED)

### INVESTIGATORS

<i>Name</i>	<i>Institution</i>	<i>E-Mail</i>
<b>Dr. Andrew J. Levan (PI) (ESA Member) (Contact)</b>	<b>The University of Warwick</b>	<b>a.j.levan@warwick.ac.uk</b>
Prof. Nial R. Tanvir (CoI) (ESA Member)	University of Leicester	nrt3@star.le.ac.uk
Dr. Andrew S. Fruchter (CoI)	Space Telescope Science Institute	fruchter@stsci.edu
Dr. Daniel Perley (CoI) (AdminUSPI)	California Institute of Technology	dperley@astro.caltech.edu
Ms. Rachel Tunnicliffe (CoI) (ESA Member)	The University of Warwick	r.l.tunnicliffe@warwick.ac.uk
Prof. Boris T. Gaensicke (CoI) (ESA Member)	The University of Warwick	boris.gaensicke@warwick.ac.uk
Prof. Thomas R. Marsh (CoI) (ESA Member)	The University of Warwick	t.r.marsh@warwick.ac.uk
Dr. Peter J. Wheatley (CoI) (ESA Member)	The University of Warwick	p.j.wheatley@warwick.ac.uk

### 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>
A1	(13) SCP06F6	ACS/WFC	3	11-Jul-2013 11:27:50.0	yes
SA	(1) SN1995AV	WFC3/IR WFC3/UVIS	1	11-Jul-2013 11:27:59.0	yes
SB	(2) SN1997CY	WFC3/IR WFC3/UVIS	1	11-Jul-2013 11:28:07.0	yes
SC	(3) SN1999AS	WFC3/IR WFC3/UVIS	1	11-Jul-2013 11:28:14.0	yes

Proposal 13025 (STScI Edit Number: 1, Created: Thursday, July 11, 2013 10:30:20 AM 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>
SD	(4) SN1999BD	WFC3/IR WFC3/UVIS	1	11-Jul-2013 11:28:21.0	yes
SE	(5) SN2000EI	WFC3/IR WFC3/UVIS	1	11-Jul-2013 11:28:28.0	yes
SF	(6) SN2005AP	WFC3/IR WFC3/UVIS	1	11-Jul-2013 11:28:34.0	yes
SG	(7) SN2006GY	WFC3/IR WFC3/UVIS	1	11-Jul-2013 11:28:41.0	yes
SH	(8) SN2006TF	WFC3/IR WFC3/UVIS	1	11-Jul-2013 11:28:47.0	yes
SI	(9) SN2007BI	WFC3/IR WFC3/UVIS	1	11-Jul-2013 11:28:54.0	yes
SJ	(10) SN2008AM	WFC3/IR WFC3/UVIS	1	11-Jul-2013 11:29:00.0	yes
SK	(11) SN2008ES	WFC3/IR WFC3/UVIS	1	11-Jul-2013 11:29:07.0	yes
SL	(12) SN2008FZ	WFC3/IR WFC3/UVIS	1	11-Jul-2013 11:29:13.0	yes
SM	(14) SN2009JH	WFC3/IR WFC3/UVIS	1	11-Jul-2013 11:29:20.0	yes
SN	(15) SN2010GX	WFC3/IR WFC3/UVIS	1	11-Jul-2013 11:29:26.0	yes
S0	(16) PTF09ATU	WFC3/IR WFC3/UVIS	1	11-Jul-2013 11:29:33.0	yes
SP	(17) PTF09CND	WFC3/IR WFC3/UVIS	1	11-Jul-2013 11:29:40.0	yes
SQ	(18) PS1-12FO	WFC3/IR WFC3/UVIS	1	11-Jul-2013 11:29:46.0	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>
SR	(19) CSS111230	WFC3/IR WFC3/UVIS	1	11-Jul-2013 11:29:53.0	yes
SS	(20) PTF11RKS	WFC3/IR WFC3/UVIS	1	11-Jul-2013 11:29:59.0	yes
ST	(21) PTF11DSF	WFC3/IR WFC3/UVIS	1	11-Jul-2013 11:30:05.0	yes
SU	(22) PTF11DIJ	WFC3/IR WFC3/UVIS	1	11-Jul-2013 11:30:12.0	yes

24 Total Orbits Used

## **ABSTRACT**

Recent years have seen the discovery of a number of highly luminous core-collapse supernovae (SNe). We propose to conduct a survey of the host galaxies of a sample of the brightest of these events. By using the unmatched sensitivity and resolution of WFC3 we will characterise the locations of the SNe within their hosts and compare them with the locations of classical core collapse supernovae, and GRBs, and against theoretical predictions for the locations of massive stars. We will also determine the morphologies, sizes, and luminosities of the host galaxies and hence infer their star formation rates and stellar masses. Using this combined information we will directly test models that posit that the most luminous SNe originate from very massive, low metallicity stars which undergo pair instability core-collapse. Our proposed observations will allow us to discriminate between these models and alternatives such as magnetar powered events, and so will enable decisive steps towards the identification of the progenitors of these extreme and enigmatic transients.

## **OBSERVING DESCRIPTION**

We propose to observe the host galaxies of a sample of the most luminous supernovae ever seen (typically with peak magnitudes brighter than  $M_V \sim -21$ ). The aim of these observations is to use UV observations to probe star formation rates, and the locations of the SN with respect to star forming regions. At the same visit we will use short IR observations to obtain high spatial resolution IR observations, searching for any obscured star formation and providing estimates of the stellar mass (and hence metallicity) of the galaxies.

Our observations will utilize 3 UV filters, F275W, F336W and F390W, with the choice of filter being dictated by the redshift of the SN. The aim is

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to roughly match to the same observed rest frame wavelength ( $<300\text{nm}$ ) for each SN. This both provides a strong measure of the star formation, and matches to large samples of SN and GRB host galaxies that have been observed at typically slightly higher redshift with HST.

We will utilize a 4-point dither for our UVIS observations. In most cases this is the standard 4-point box dither, and we do not seek to cross the chip gap. For our brightest (and most extended) host galaxies we do chose to dither across the gap, performing a 2-point line dither on each side.

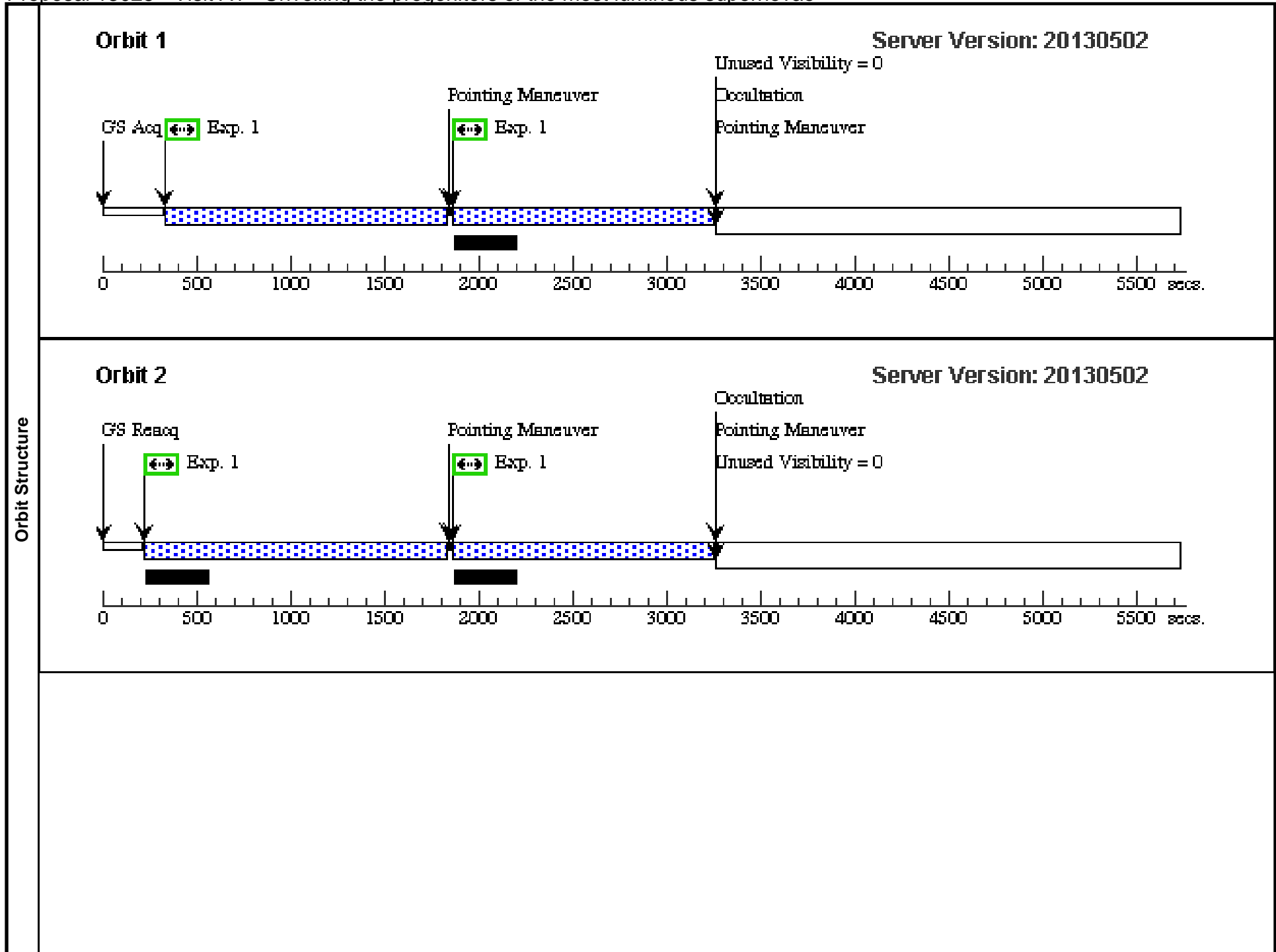
In addition we will obtain 2 exposures per target in the IR, using the F160W filter. These will only be short exposures (100s each), but will provide well resolved IR maps, and deep limits ( $H(AB)\sim 25$ ) for all of the hosts considered here.

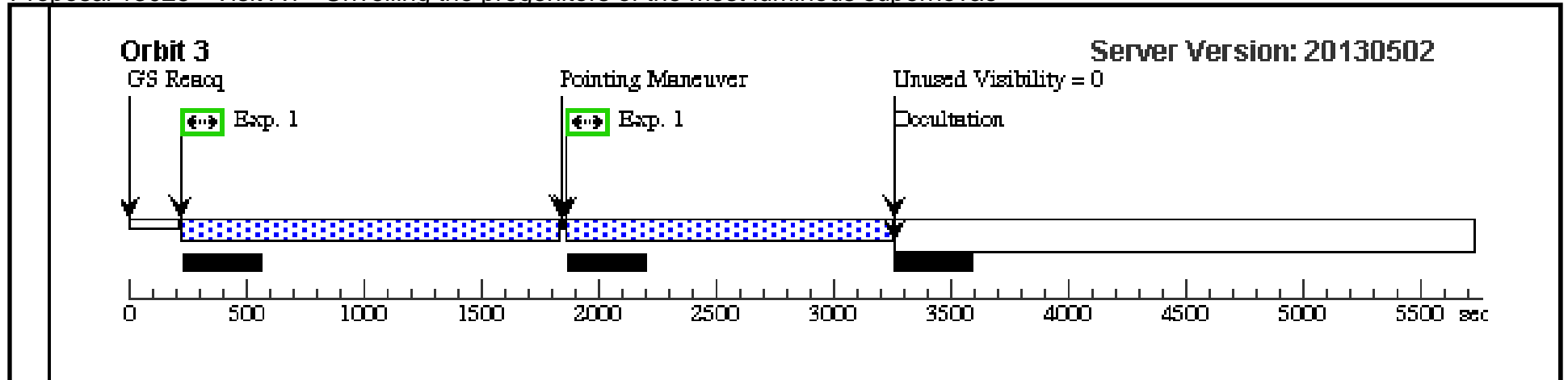
For one case (SCP06F6) we adopt a slightly different strategy since the host galaxy has so far evaded detection in moderately deep F850LP imaging. Therefore we request 3 orbits of observation in F606W with ACS/WFC. Using a 6 point dither (2 exposures per orbit) we place limits of  $F606W > 28.5$  on the host galaxy.

Proposal 13025 - Visit A1 - Unveiling the progenitors of the most luminous supernovae

Thu Jul 11 15:30:21 GMT 2013

Visit	Proposal 13025, Visit A1, completed Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(2)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.170 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.23 Angle Between Sides= Center Pattern=false	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=.124 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false	(1)			
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(13)	SCP06F6	RA: 14 32 27.3950 (218.1141458d) Dec: +33 32 24.83 (33.54023d) Equinox: J2000			V=26+/-2	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(13) SCP06F6	ACS/WFC, ACCUM, WFC1	F606W			Pattern 2, Exps 1-1 in Visit A1 (2)	1150 Secs (8054 Secs) [==>1293.0 Secs (Pattern 1,1)] [==>1263.0 Secs (Pattern 1,2)] [==>1485.0 Secs (Pattern 2,1)] [==>1264.0 Secs (Pattern 2,2)] [==>1485.0 Secs (Pattern 3,1)] [==>1264.0 Secs (Pattern 3,2)]	[1] [2] [3]

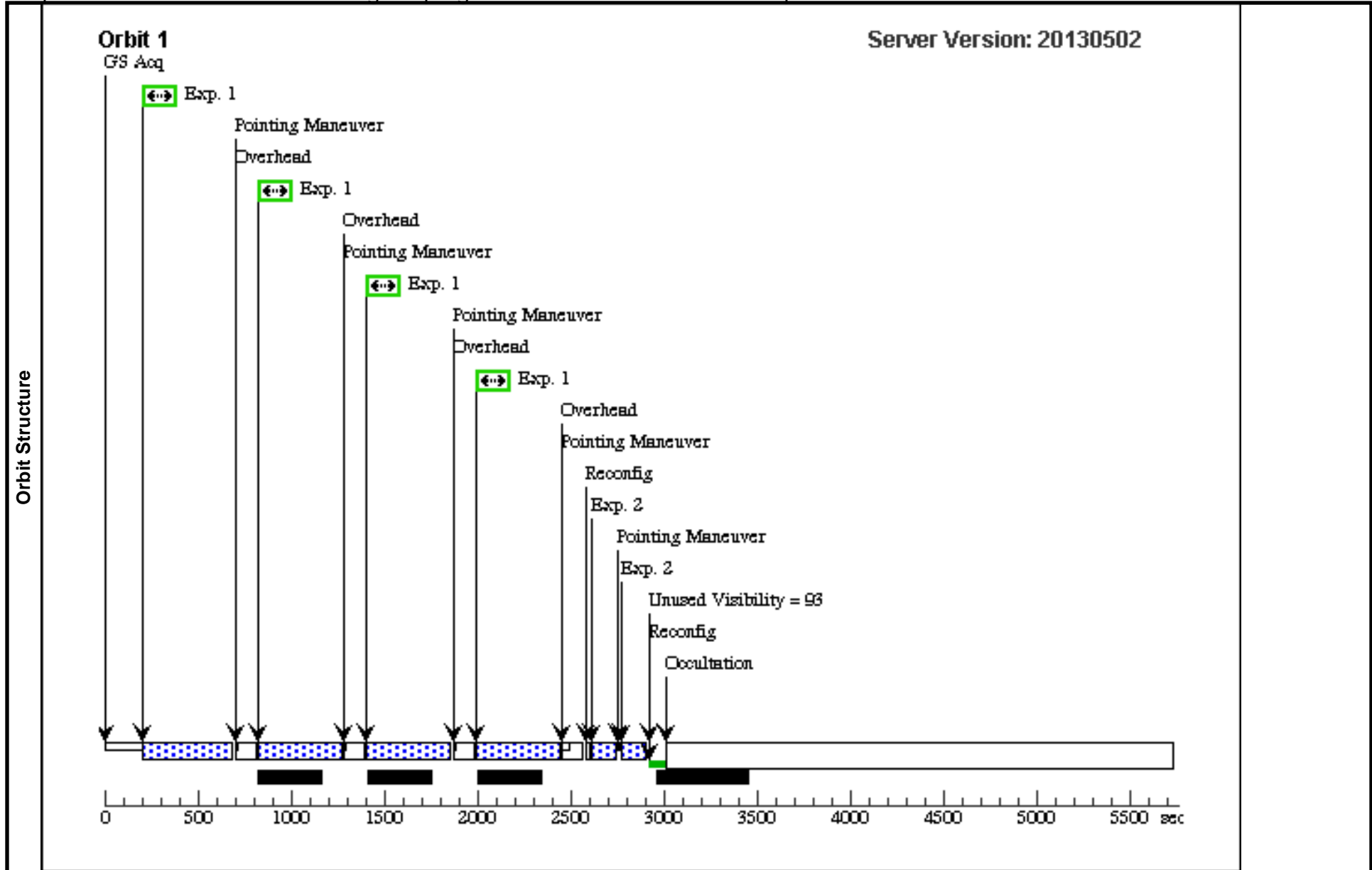




Proposal 13025 - Visit SA - Unveiling the progenitors of the most luminous supernovae

Thu Jul 11 15:30:23 GMT 2013

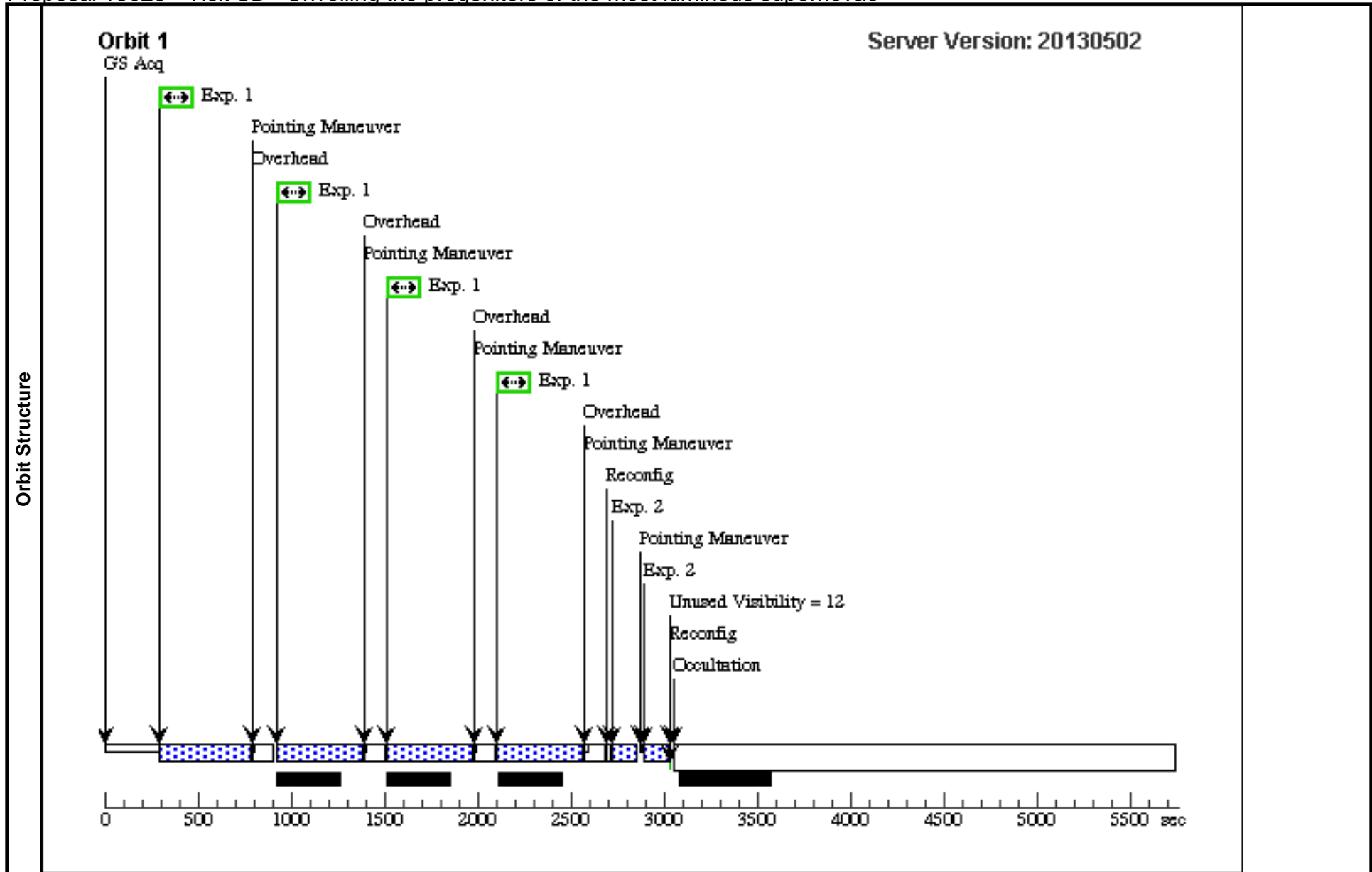
Visit	<b>Proposal 13025, Visit SA, scheduling</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: SCHED 100%									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(4)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112	Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false	(1)						
	(5)	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	(2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	SN1995AV	RA: 02 01 36.7500 (30.4031250d) Dec: +03 38 55.20 (3.64867d) Equinox: J2000		V=23.0+/-1	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1) SN1995AV	(1) SN1995AV	WFC3/UVIS, ACCUM, UVIS	F390W	CR-SPLIT=NO; FLASH=8	POS TARG 60,55; GS ACQ SCENARI O SINGLE	Pattern 4, Exps 1-1 i n Visit SA (4)	500 Secs (1808 Secs) [==>452.0 Secs (Pattern 1)] [==>452.0 Secs (Pattern 2)] [==>452.0 Secs (Pattern 3)] [==>452.0 Secs (Pattern 4)]	[1]
2	(1) SN1995AV	(1) SN1995AV	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=3; SAMP-SEQ=SPAR S50		Pattern 5, Exps 2-2 i n Visit SA (5)	102.933193 Secs (205.866 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]	



Proposal 13025 - Visit SB - Unveiling the progenitors of the most luminous supernovae

Thu Jul 11 15:30:24 GMT 2013

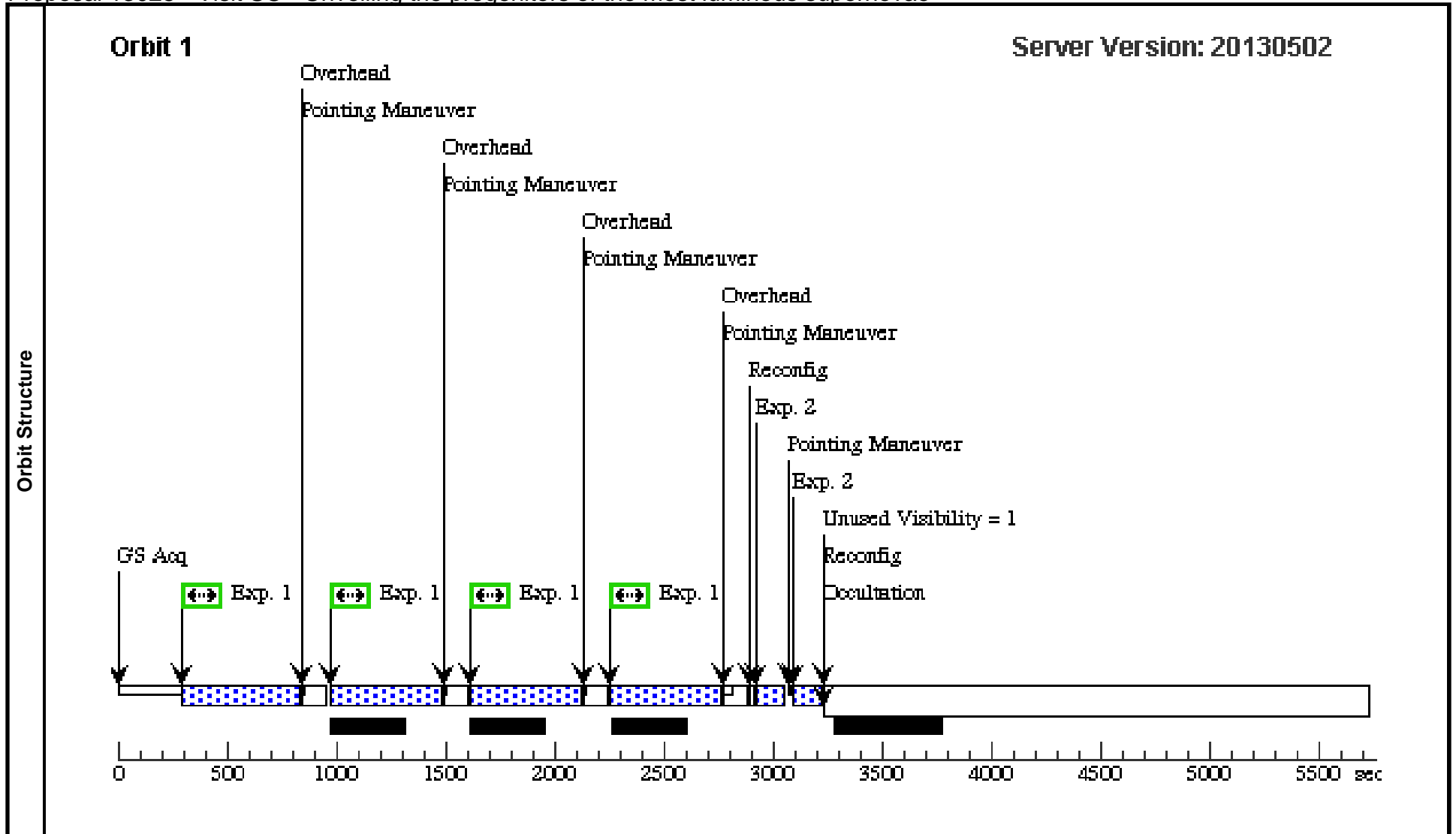
Visit	<b>Proposal 13025, Visit SB, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: SCHED 100%									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(4)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112 Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false		(1)						
	(5)	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		(2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	SN1997CY	RA: 04 32 54.8600 (68.2285833d) Dec: -61 42 57.50 (-61.71597d) Equinox: J2000		V=19.72+/-0.5	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(2) SN1997CY	WFC3/UVIS, ACCUM, UVIS	F275W	CR-SPLIT=NO; FLASH=10		Pattern 4, Exps 1-1 in Visit SB (4)	500 Secs (1832 Secs) [==>458.0 Secs (Pattern 1)] [==>458.0 Secs (Pattern 2)] [==>458.0 Secs (Pattern 3)] [==>458.0 Secs (Pattern 4)]	[1]
2		(2) SN1997CY	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=3; SAMP-SEQ=SPAR S50		Pattern 5, Exps 2-2 in Visit SB (5)	102.933193 Secs (205.866 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]	



Proposal 13025 - Visit SC - Unveiling the progenitors of the most luminous supernovae

Thu Jul 11 15:30:25 GMT 2013

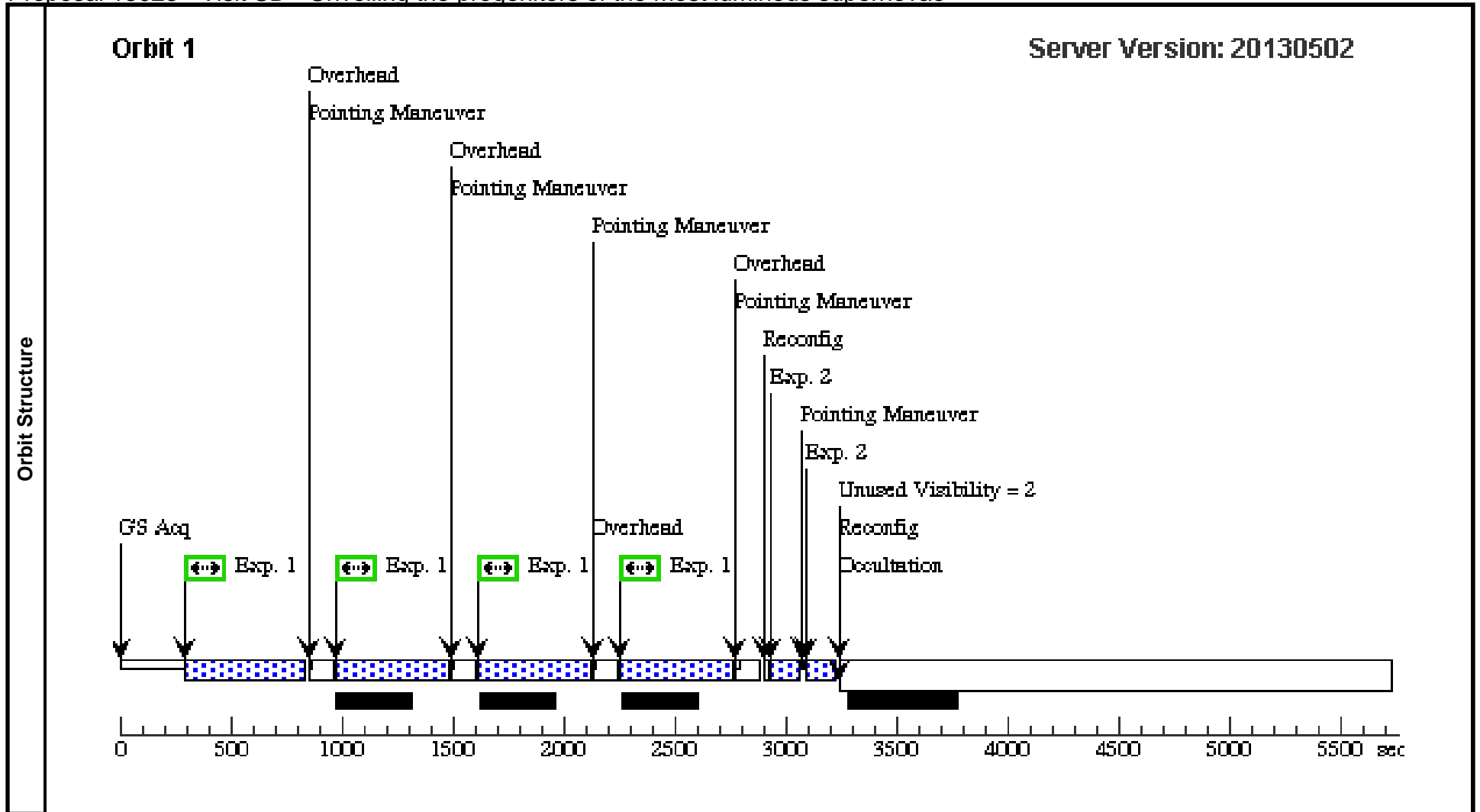
Visit	<b>Proposal 13025, Visit SC, scheduling</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(4)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112 Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false		(1)						
	(5)	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		(2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	SN1999AS	RA: 09 16 30.8600 (139.1285833d) Dec: +13 39 2.20 (13.65061d) Equinox: J2000		V=19.2+/-0.5	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(3) SN1999AS	WFC3/UVIS, ACCUM, UVIS	F336W	CR-SPLIT=NO; FLASH=9	POS TARG 60,55	Pattern 4, Exps 1-1 i n Visit SC (4)	500 Secs (2032 Secs) [==>508.0 Secs (Pattern 1)] [==>508.0 Secs (Pattern 2)] [==>508.0 Secs (Pattern 3)] [==>508.0 Secs (Pattern 4)]	[1]
2		(3) SN1999AS	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=3; SAMP-SEQ=SPAR S50		Pattern 5, Exps 2-2 i n Visit SC (5)	102.933193 Secs (205.866 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]	



Proposal 13025 - Visit SD - Unveiling the progenitors of the most luminous supernovae

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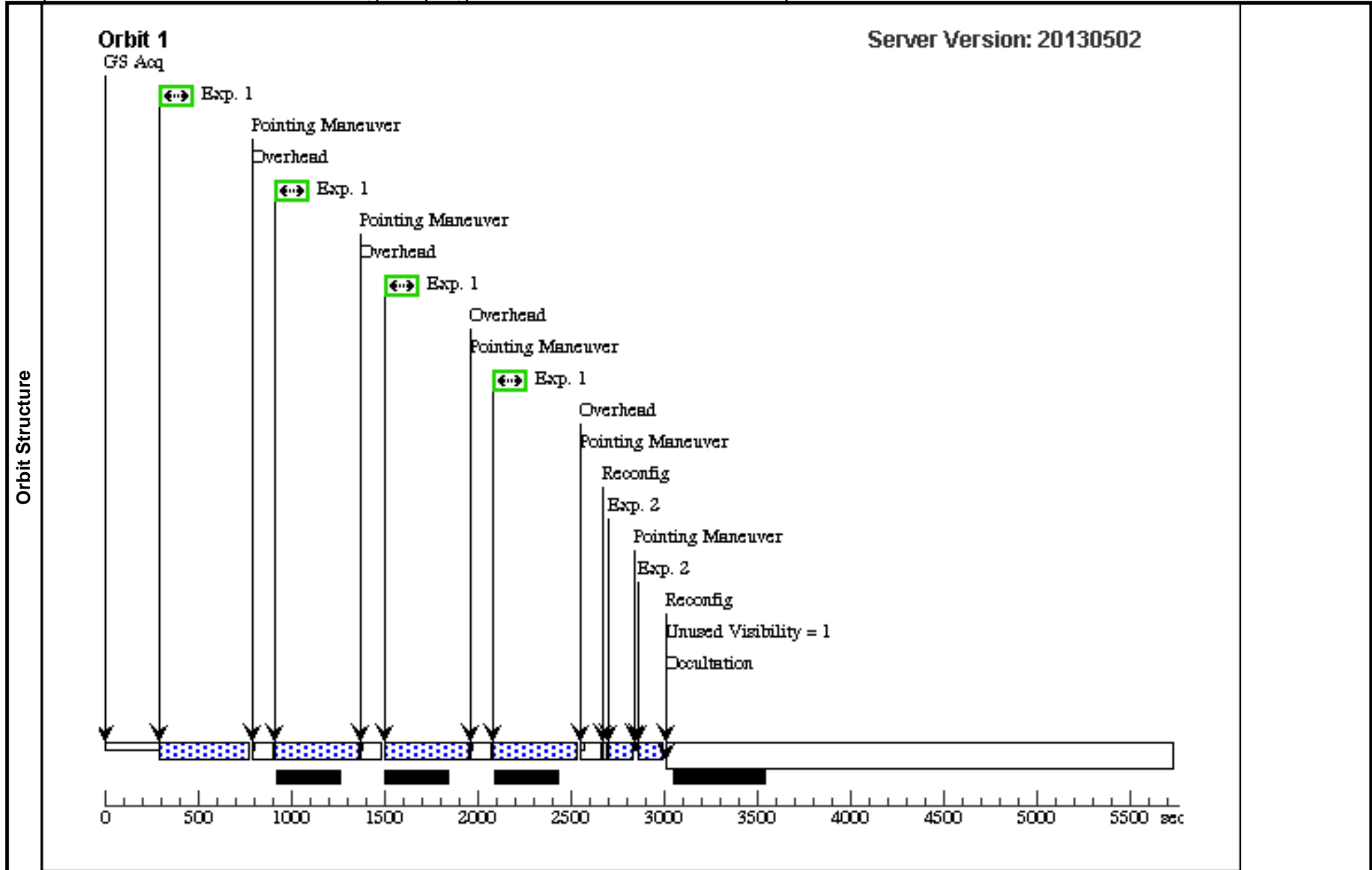
Visit	<b>Proposal 13025, Visit SD, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(4)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112	Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false		(1)				
	(5)	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		(2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(4)	SN1999BD	RA: 09 30 29.1700 (142.6215417d) Dec: +16 26 7.80 (16.43550d) Equinox: J2000		V=19.81+/-0.5	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(4) SN1999BD	WFC3/UVIS, ACCUM, UVIS	F336W	CR-SPLIT=NO; FLASH=9	GS ACQ SCENARI O BASE1B3	Pattern 4, Exps 1-1 i n Visit SD (4)	500 Secs (2036 Secs) [=>509.0 Secs (Pattern 1)] [=>509.0 Secs (Pattern 2)] [=>509.0 Secs (Pattern 3)] [=>509.0 Secs (Pattern 4)]	[1]
2		(4) SN1999BD	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=3; SAMP-SEQ=SPAR S50		Pattern 5, Exps 2-2 i n Visit SD (5)	102.933193 Secs (205.866 Secs) [=>(Pattern 1)] [=>(Pattern 2)]	[1]	



Proposal 13025 - Visit SE - Unveiling the progenitors of the most luminous supernovae

Thu Jul 11 15:30:27 GMT 2013

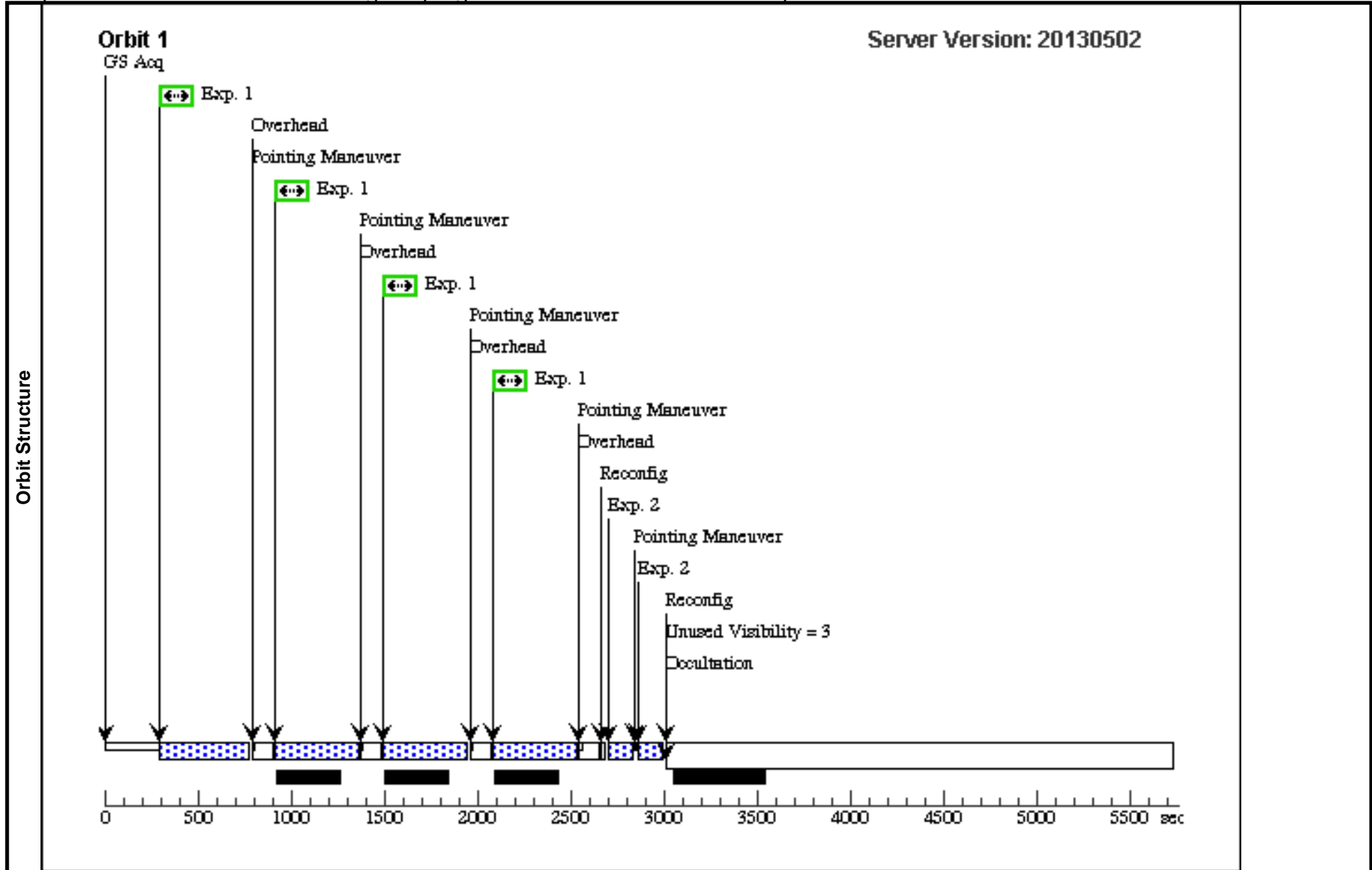
Visit	<b>Proposal 13025, Visit SE, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: SCHED 100%									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(4)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112	Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false	(1)						
	(5)	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	(2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(5)	SN2000EI	RA: 04 17 7.1800 (64.2799167d) Dec: +05 45 53.10 (5.76475d) Equinox: J2000		V=22.75+/-0.5	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(5) SN2000EI		WFC3/UVIS, ACCUM, UVIS	F390W	CR-SPLIT=NO; FLASH=8		Pattern 4, Exps 1-1 in Visit SE (4)	500 Secs (1808 Secs) [==>452.0 Secs (Pattern 1)] [==>452.0 Secs (Pattern 2)] [==>452.0 Secs (Pattern 3)] [==>452.0 Secs (Pattern 4)]	[1]
2	(5) SN2000EI		WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=3; SAMP-SEQ=SPAR S50		Pattern 5, Exps 2-2 in Visit SE (5)	102.933193 Secs (205.866 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]	



Proposal 13025 - Visit SF - Unveiling the progenitors of the most luminous supernovae

Thu Jul 11 15:30:28 GMT 2013

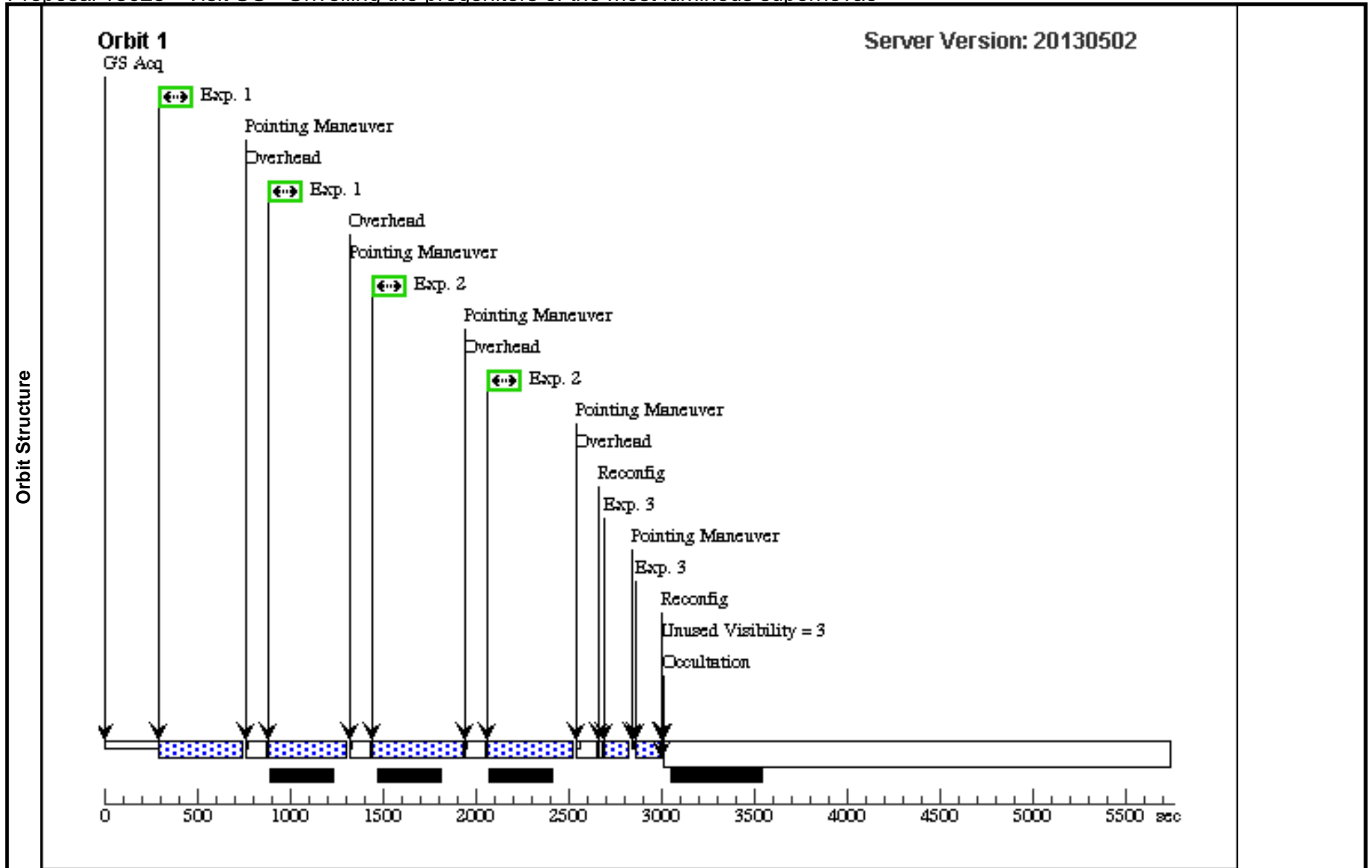
Visit	<b>Proposal 13025, Visit SF, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: SCHED 100%									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(4)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112 Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false		(1)						
	(5)	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		(2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(6)	SN2005AP	RA: 13 01 14.8400 (195.3118333d) Dec: +27 43 31.40 (27.72539d) Equinox: J2000		V=23.71+/-0.1	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(6) SN2005AP	(6) SN2005AP	WFC3/UVIS, ACCUM, UVIS	F390W	CR-SPLIT=NO; FLASH=8	GS ACQ SCENARI O BASE1B3	Pattern 4, Exps 1-1 i n Visit SF (4)	500 Secs (1804 Secs) [==>451.0 Secs (Pattern 1)] [==>451.0 Secs (Pattern 2)] [==>451.0 Secs (Pattern 3)] [==>451.0 Secs (Pattern 4)]	[1]
2	(6) SN2005AP	(6) SN2005AP	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=3; SAMP-SEQ=SPAR S50		Pattern 5, Exps 2-2 i n Visit SF (5)	102.933193 Secs (205.866 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]	



Proposal 13025 - Visit SG - Unveiling the progenitors of the most luminous supernovae

Thu Jul 11 15:30:29 GMT 2013

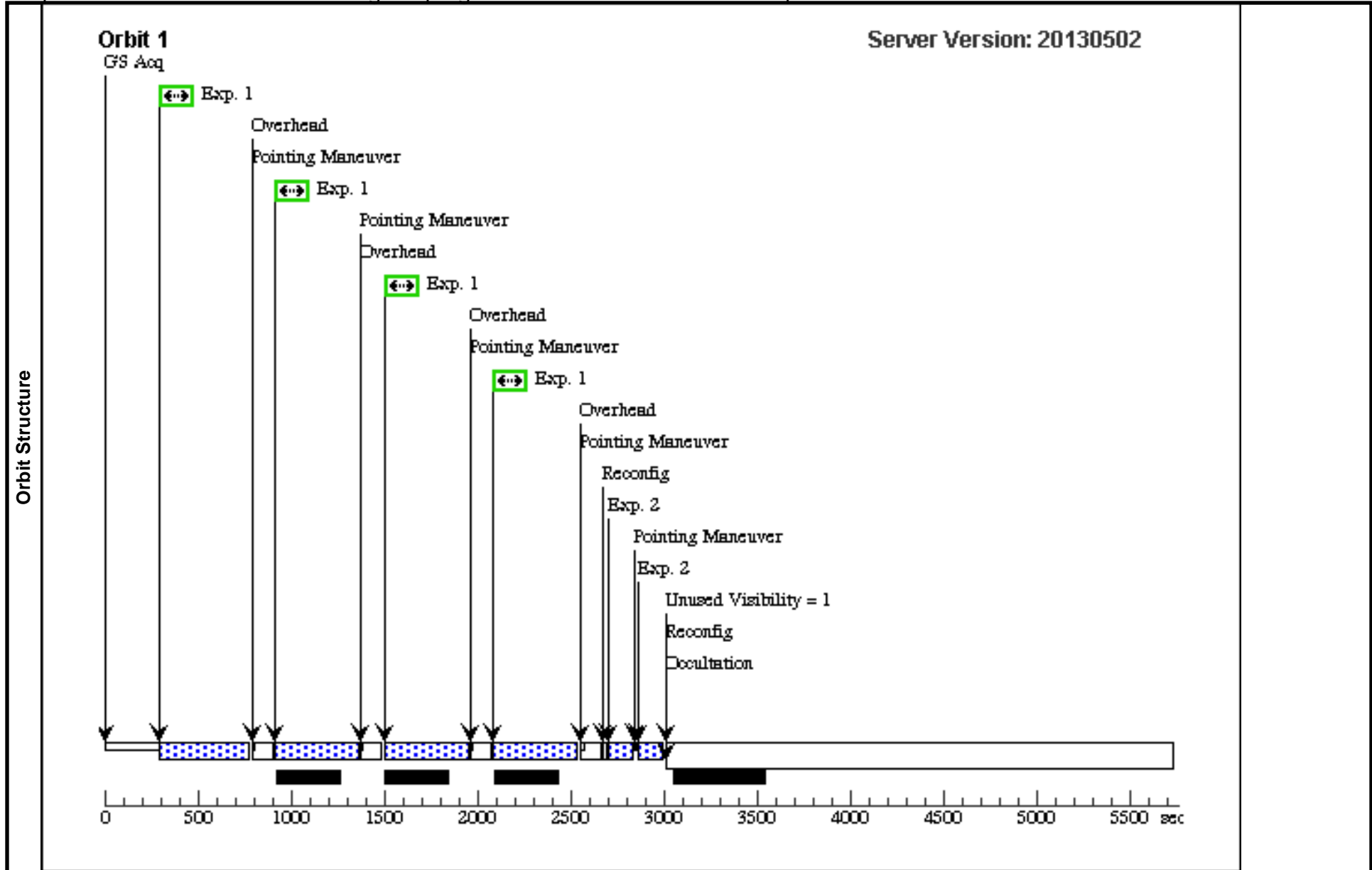
Visit	<b>Proposal 13025, Visit SG, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: SCHED 100%									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(1)	Pattern Type=WFC3-UVIS-GAP-LINE Purpose=MOSAIC Number Of Points=2 Point Spacing=2.414 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.759 Angle Between Sides= Center Pattern=true	(1), (2)						
	(5)	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	(3)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(7)	SN2006GY	RA: 03 17 27.0600 (49.3627500d) Dec: +41 24 19.50 (41.40542d) Equinox: J2000		V=12.5+/-0.1	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(7) SN2006GY	WFC3/UVIS, ACCUM, UVIS	F275W	CR-SPLIT=NO; FLASH=10		Pattern 1, Exps 1-1 in Visit SG (1)	500 Secs (846 Secs) [==>423.0 Secs (Pattern 1)] [==>423.0 Secs (Pattern 2)]	[1]
	2		(7) SN2006GY	WFC3/UVIS, ACCUM, UVIS	F390W	CR-SPLIT=NO; FLASH=8		Pattern 1, Exps 2-2 in Visit SG (1)	500 Secs (932 Secs) [==>466.0 Secs (Pattern 1)] [==>466.0 Secs (Pattern 2)]	[1]
3		(7) SN2006GY	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=3; SAMP-SEQ=SPAR S50			Pattern 5, Exps 3-3 in Visit SG (5)	102.933193 Secs (205.866 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]



Proposal 13025 - Visit SH - Unveiling the progenitors of the most luminous supernovae

Thu Jul 11 15:30:29 GMT 2013

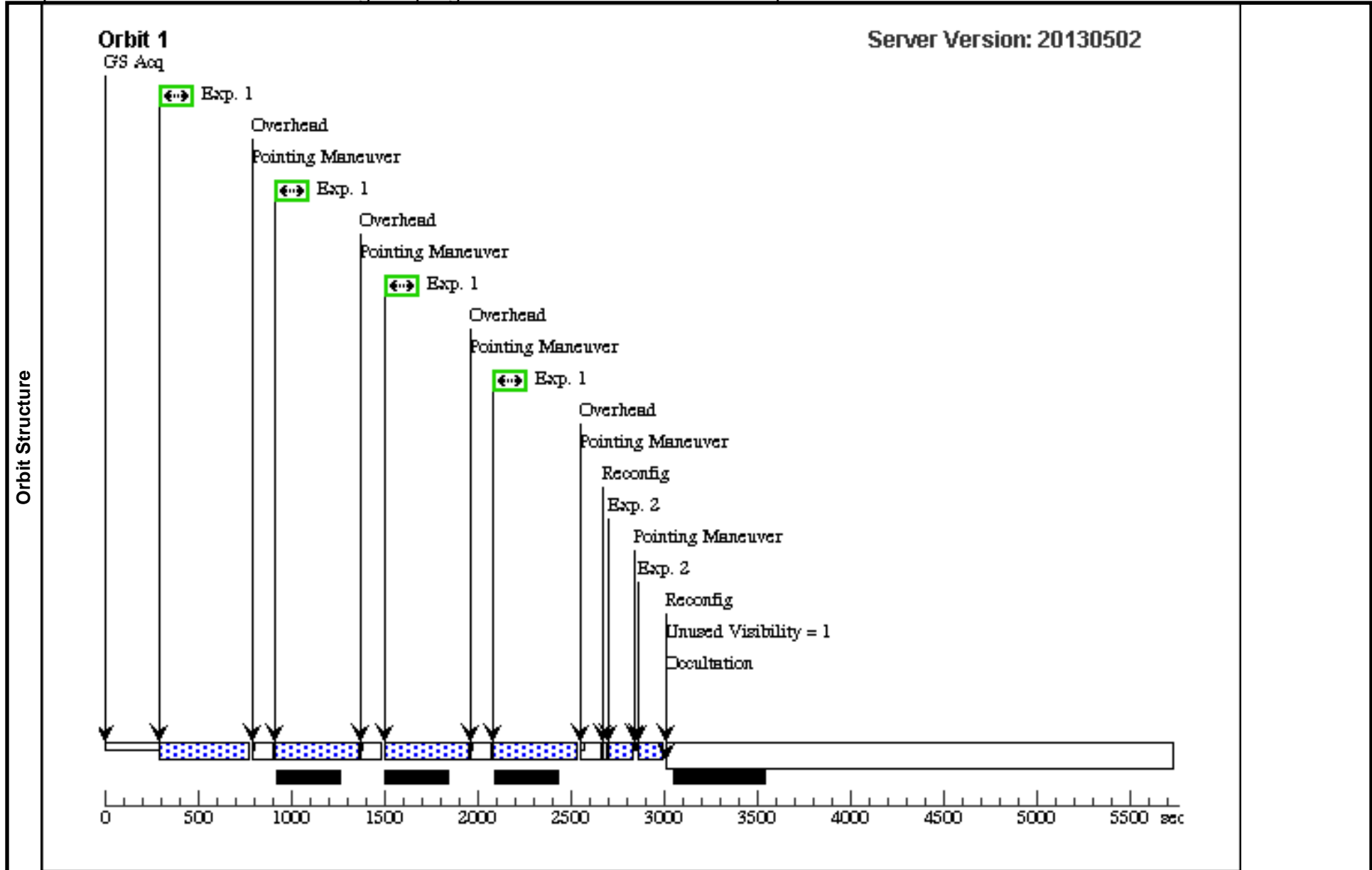
Visit	<b>Proposal 13025, Visit SH, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: SCHED 100%									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(4)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112	Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false	(1)						
	(5)	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	(2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(8)	SN2006TF	RA: 12 46 15.8200 (191.5659167d) Dec: +11 25 56.30 (11.43231d) Equinox: J2000		V=20.75+/-0.5	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(8) SN2006TF		WFC3/UVIS, ACCUM, UVIS	F275W	CR-SPLIT=NO; FLASH=10		Pattern 4, Exps 1-1 in Visit SH (4)	500 Secs (1808 Secs) [==>452.0 Secs (Pattern 1)] [==>452.0 Secs (Pattern 2)] [==>452.0 Secs (Pattern 3)] [==>452.0 Secs (Pattern 4)]	[1]
2	(8) SN2006TF		WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=3; SAMP-SEQ=SPAR S50		Pattern 5, Exps 2-2 in Visit SH (5)	102.933193 Secs (205.866 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]	



Proposal 13025 - Visit SI - Unveiling the progenitors of the most luminous supernovae

Thu Jul 11 15:30:30 GMT 2013

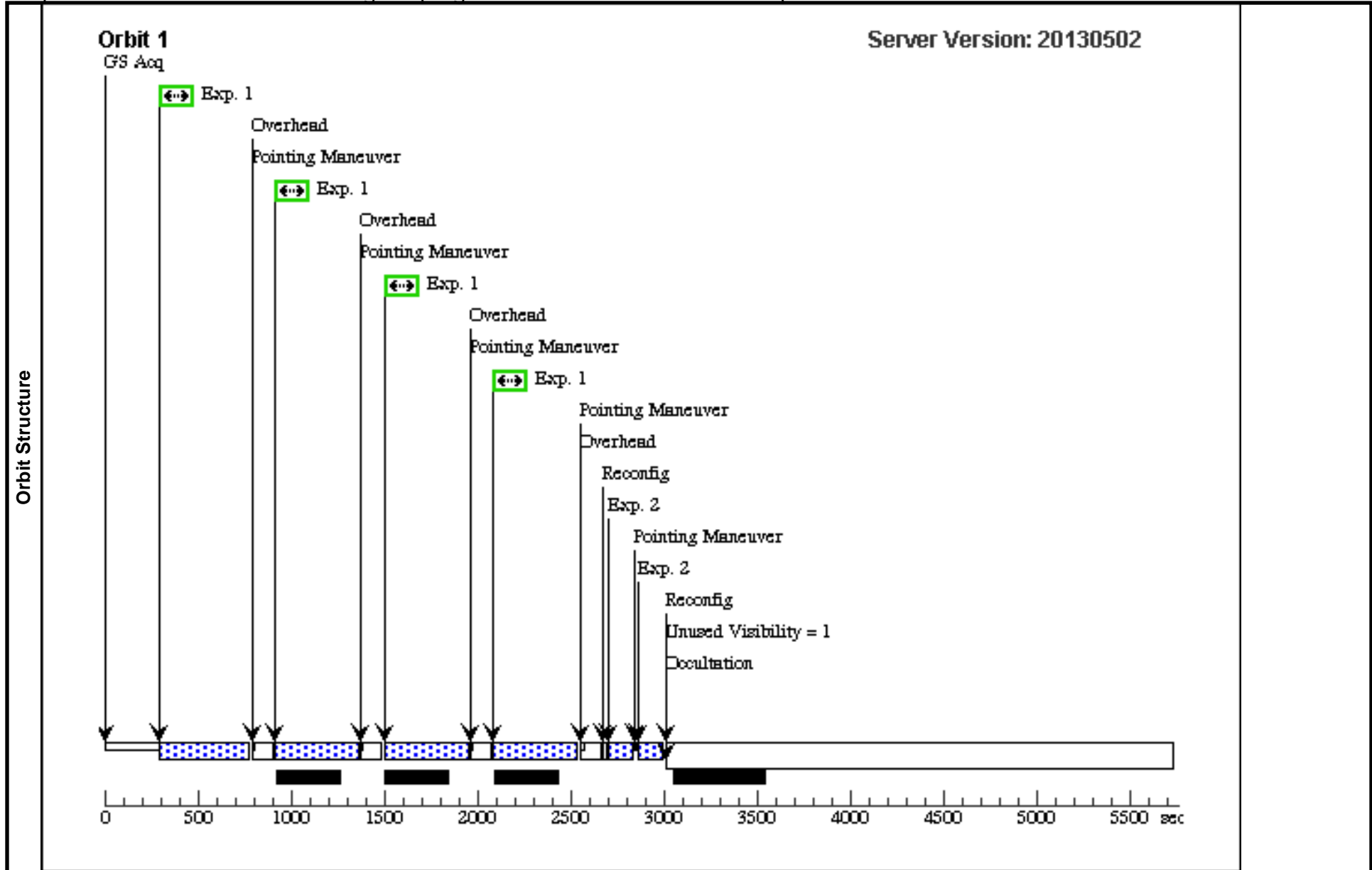
Visit	<b>Proposal 13025, Visit SI, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: SCHED 100%									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(4)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112 Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false		(1)						
	(5)	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		(2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(9)	SN2007BI	RA: 13 19 20.1900 (199.8341250d) Dec: +08 55 44.30 (8.92897d) Equinox: J2000		V=22.41+/-0.5	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(9) SN2007BI	WFC3/UVIS, ACCUM, UVIS	F336W	CR-SPLIT=NO; FLASH=9		Pattern 4, Exps 1-1 in Visit SI (4)	500 Secs (1808 Secs) [==>452.0 Secs (Pattern 1)] [==>452.0 Secs (Pattern 2)] [==>452.0 Secs (Pattern 3)] [==>452.0 Secs (Pattern 4)]	[1]
2		(9) SN2007BI	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=3; SAMP-SEQ=SPAR S50		Pattern 5, Exps 2-2 in Visit SI (5)	102.933193 Secs (205.866 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]	



Proposal 13025 - Visit SJ - Unveiling the progenitors of the most luminous supernovae

Thu Jul 11 15:30:31 GMT 2013

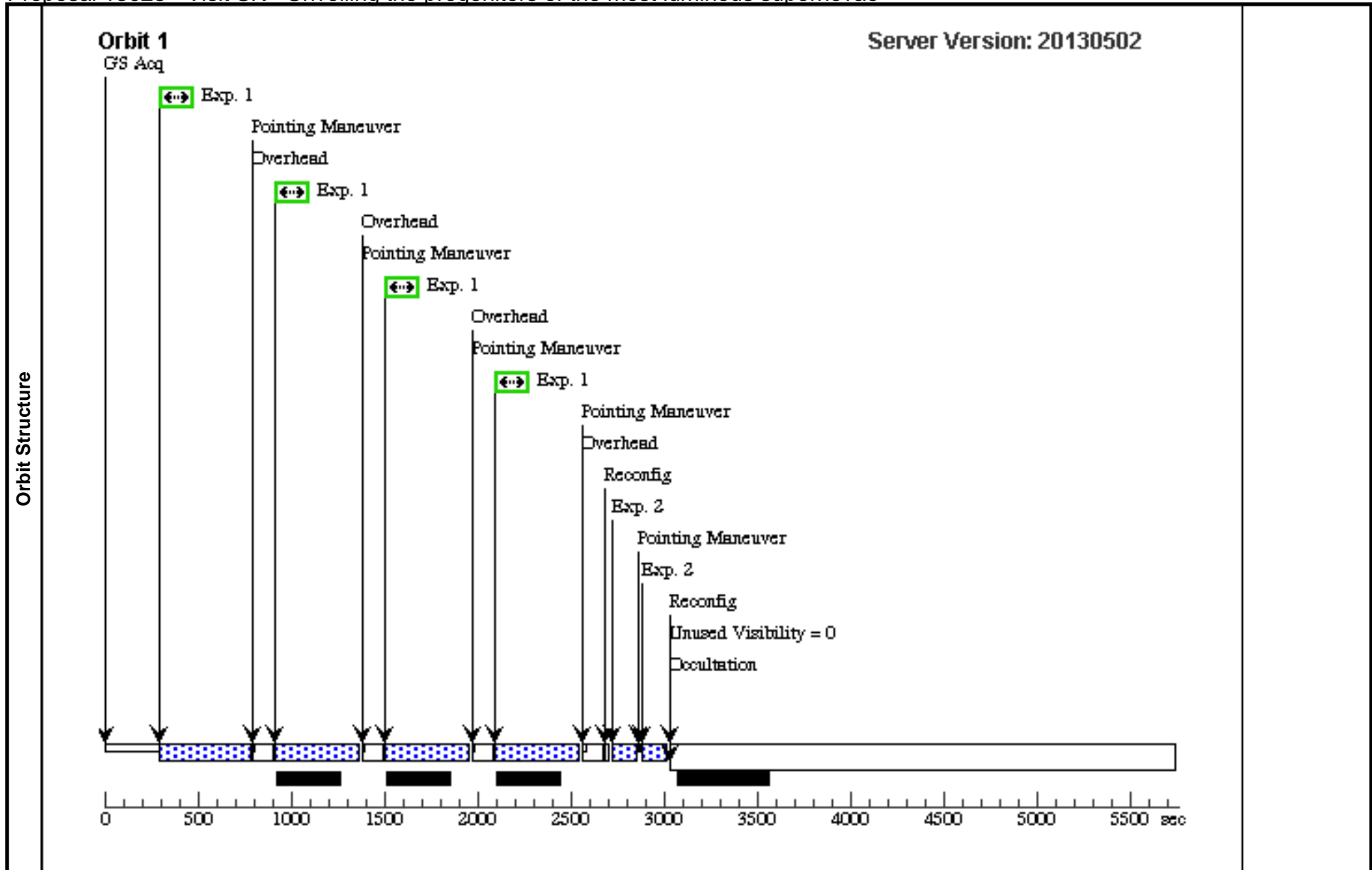
Visit	<b>Proposal 13025, Visit SJ, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: SCHED 100%									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(4)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112 Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false		(1)						
	(5)	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		(2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(10)	SN2008AM	RA: 12 28 36.2500 (187.1510417d) Dec: +15 34 49.10 (15.58031d) Equinox: J2000		V=19.93+/-0.5	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(10) SN2008AM	WFC3/UVIS, ACCUM, UVIS	F336W	CR-SPLIT=NO; FLASH=9		Pattern 4, Exps 1-1 in Visit SJ (4)	500 Secs (1808 Secs) [==>452.0 Secs (Pattern 1)] [==>452.0 Secs (Pattern 2)] [==>452.0 Secs (Pattern 3)] [==>452.0 Secs (Pattern 4)]	[1]
2		(10) SN2008AM	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=3; SAMP-SEQ=SPAR S50		Pattern 5, Exps 2-2 in Visit SJ (5)	102.933193 Secs (205.866 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]	



Proposal 13025 - Visit SK - Unveiling the progenitors of the most luminous supernovae

Thu Jul 11 15:30:32 GMT 2013

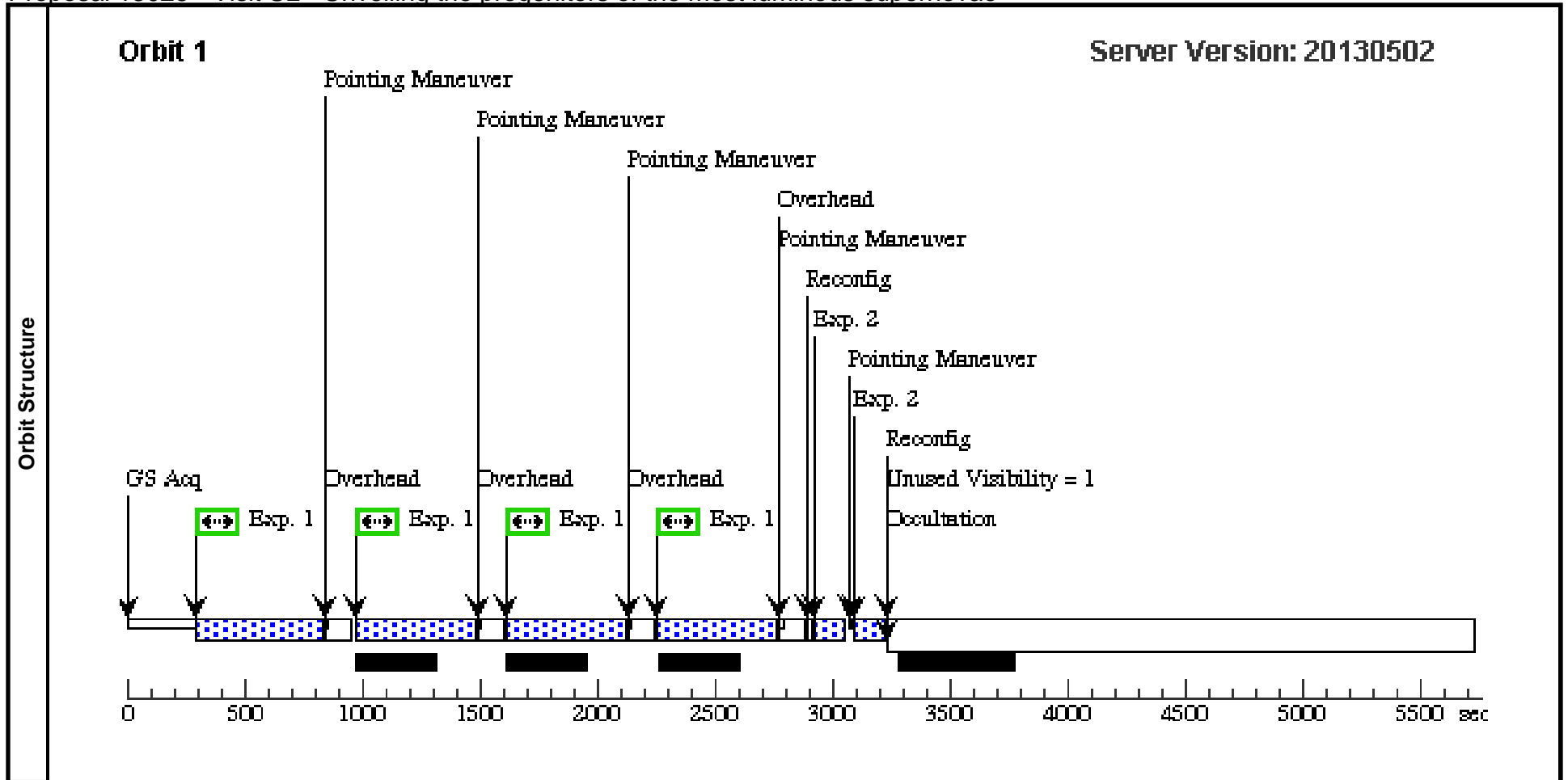
Visit	<b>Proposal 13025, Visit SK, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: SCHED 100%									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(4)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112 Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false		(1)						
	(5)	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		(2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(11)	SN2008ES	RA: 11 56 49.1300 (179.2047083d) Dec: +54 27 25.70 (54.45714d) Equinox: J2000		V=25+/-2	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(11) SN2008ES	WFC3/UVIS, ACCUM, UVIS	F336W	CR-SPLIT=NO; FLASH=9		Pattern 4, Exps 1-1 in Visit SK (4)	500 Secs (1824 Secs) [==>456.0 Secs (Pattern 1)] [==>456.0 Secs (Pattern 2)] [==>456.0 Secs (Pattern 3)] [==>456.0 Secs (Pattern 4)]	[1]
2		(11) SN2008ES	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=3; SAMP-SEQ=SPAR S50		Pattern 5, Exps 2-2 in Visit SK (5)	102.933193 Secs (205.866 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]	



Proposal 13025 - Visit SL - Unveiling the progenitors of the most luminous supernovae

Thu Jul 11 15:30:32 GMT 2013

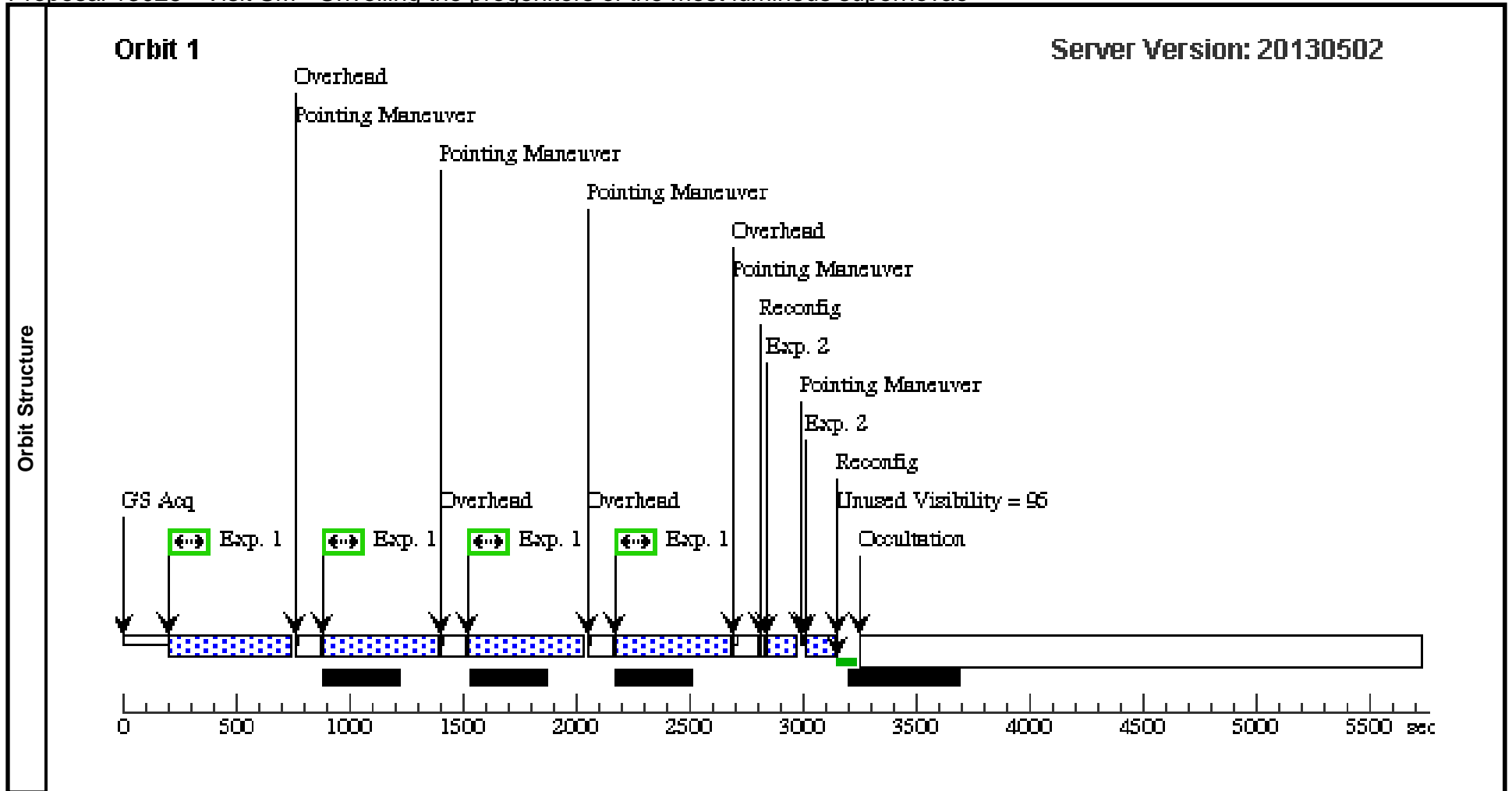
Visit	<b>Proposal 13025, Visit SL, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(4)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112 Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false		(1)						
	(5)	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		(2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(12)	SN2008FZ	RA: 23 16 16.6000 (349.0691667d) Dec: +11 42 47.50 (11.71319d) Equinox: J2000		V=25+/-2	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(12) SN2008FZ	WFC3/UVIS, ACCUM, UVIS	F336W	CR-SPLIT=NO; FLASH=9		Pattern 4, Exps 1-1 in Visit SL (4)	500 Secs (2032 Secs) [==>508.0 Secs (Pattern 1)] [==>508.0 Secs (Pattern 2)] [==>508.0 Secs (Pattern 3)] [==>508.0 Secs (Pattern 4)]	[1]
2		(12) SN2008FZ	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=3; SAMP-SEQ=SPAR S50		Pattern 5, Exps 2-2 in Visit SL (5)	102.933193 Secs (205.866 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]	



Proposal 13025 - Visit SM - Unveiling the progenitors of the most luminous supernovae

Thu Jul 11 15:30:33 GMT 2013

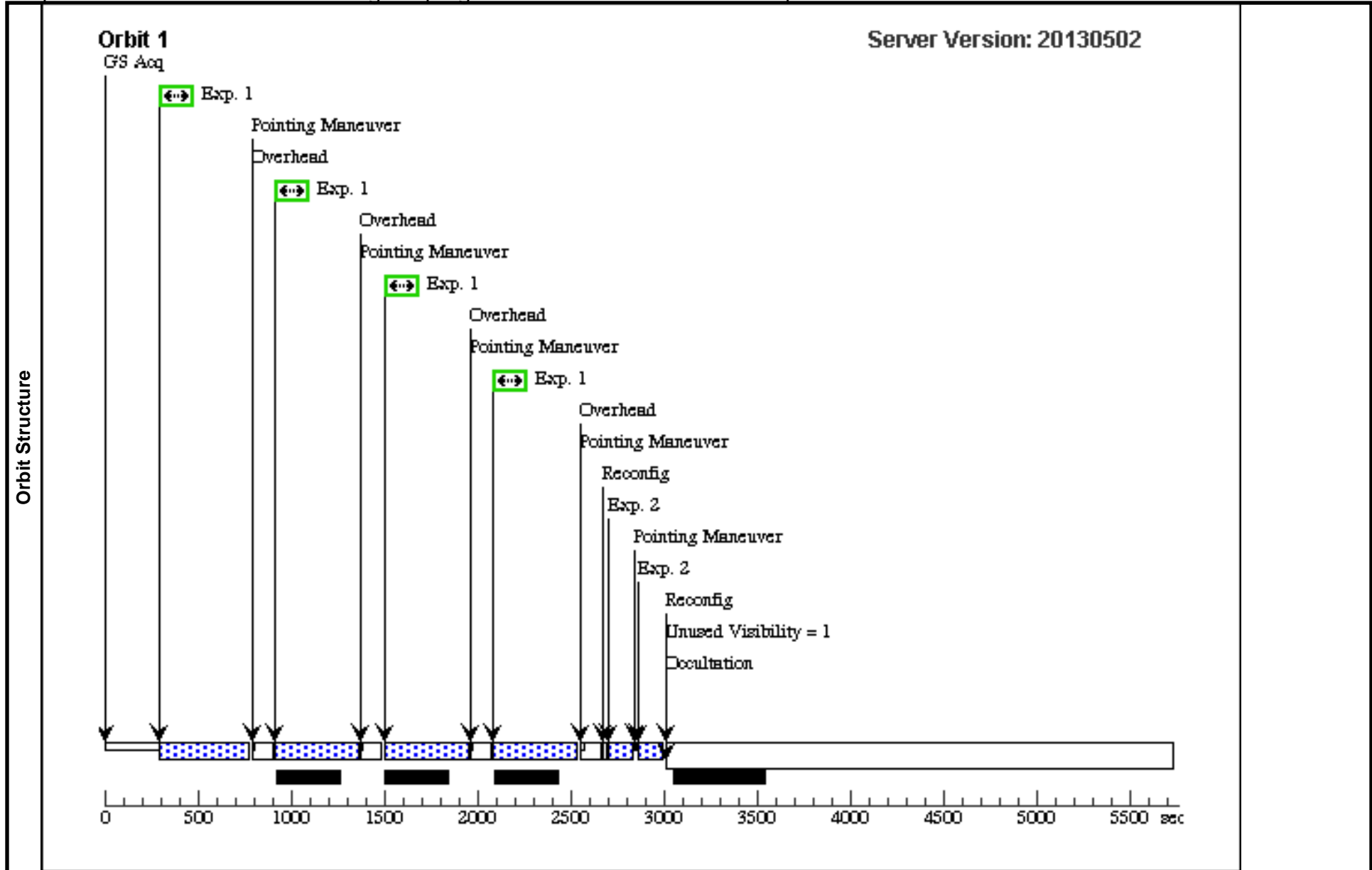
Visit	<b>Proposal 13025, Visit SM, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(4)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112 Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false		(1)						
	(5)	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		(2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(14)	SN2009JH	RA: 14 49 10.0900 (222.2920417d) Dec: +29 25 10.40 (29.41956d) Equinox: J2000		V=25+/-2	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(14) SN2009JH	WFC3/UVIS, ACCUM, UVIS	F390W	CR-SPLIT=NO; FLASH=8	GS ACQ SCENARI O SINGLE	Pattern 4, Exps 1-1 i n Visit SM (4)	500 Secs (2044 Secs) [=>511.0 Secs (Pattern 1)] [=>511.0 Secs (Pattern 2)] [=>511.0 Secs (Pattern 3)] [=>511.0 Secs (Pattern 4)]	[1]
2		(14) SN2009JH	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=3; SAMP-SEQ=SPAR S50		Pattern 5, Exps 2-2 i n Visit SM (5)	102.933193 Secs (205.866 Secs) [=>(Pattern 1)] [=>(Pattern 2)]	[1]	



Proposal 13025 - Visit SN - Unveiling the progenitors of the most luminous supernovae

Thu Jul 11 15:30:34 GMT 2013

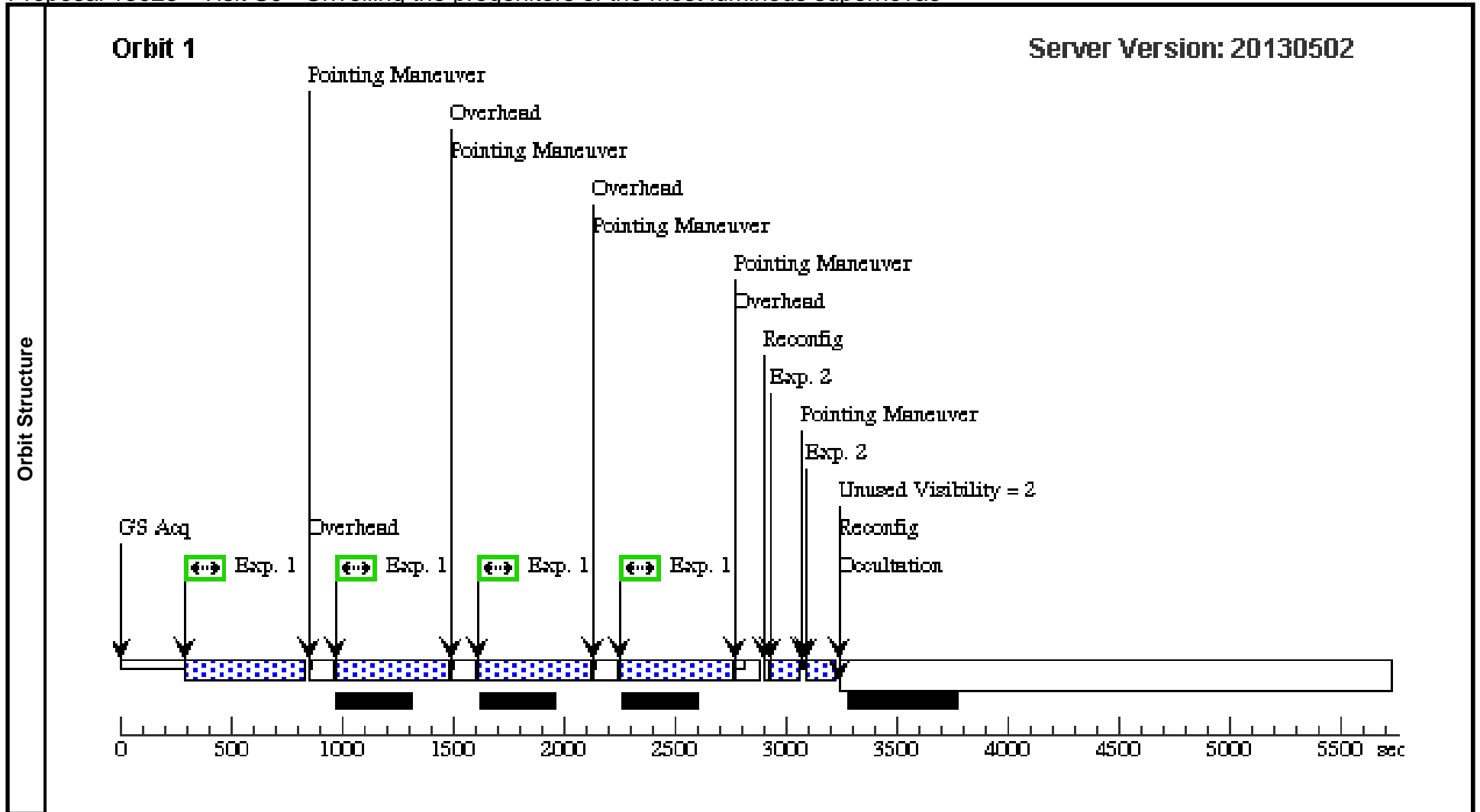
Visit	<b>Proposal 13025, Visit SN, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: SCHED 100%									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(4)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112 Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false		(1)						
	(5)	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		(2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(15)	SN2010GX	RA: 11 25 46.7100 (171.4446250d) Dec: -08 49 41.40 (-8.82817d) Equinox: J2000		V=22.42+/-0.5	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(15) SN2010GX	(15) SN2010GX	WFC3/UVIS, ACCUM, UVIS	F390W	CR-SPLIT=NO; FLASH=9			Pattern 4, Exps 1-1 i n Visit SN (4)	500 Secs (1808 Secs) [==>452.0 Secs (Pattern 1)] [==>452.0 Secs (Pattern 2)] [==>452.0 Secs (Pattern 3)] [==>452.0 Secs (Pattern 4)]
2	(15) SN2010GX	(15) SN2010GX	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=3; SAMP-SEQ=SPAR S50			Pattern 5, Exps 2-2 i n Visit SN (5)	102.933193 Secs (205.866 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]



Proposal 13025 - Visit S0 - Unveiling the progenitors of the most luminous supernovae

Thu Jul 11 15:30:34 GMT 2013

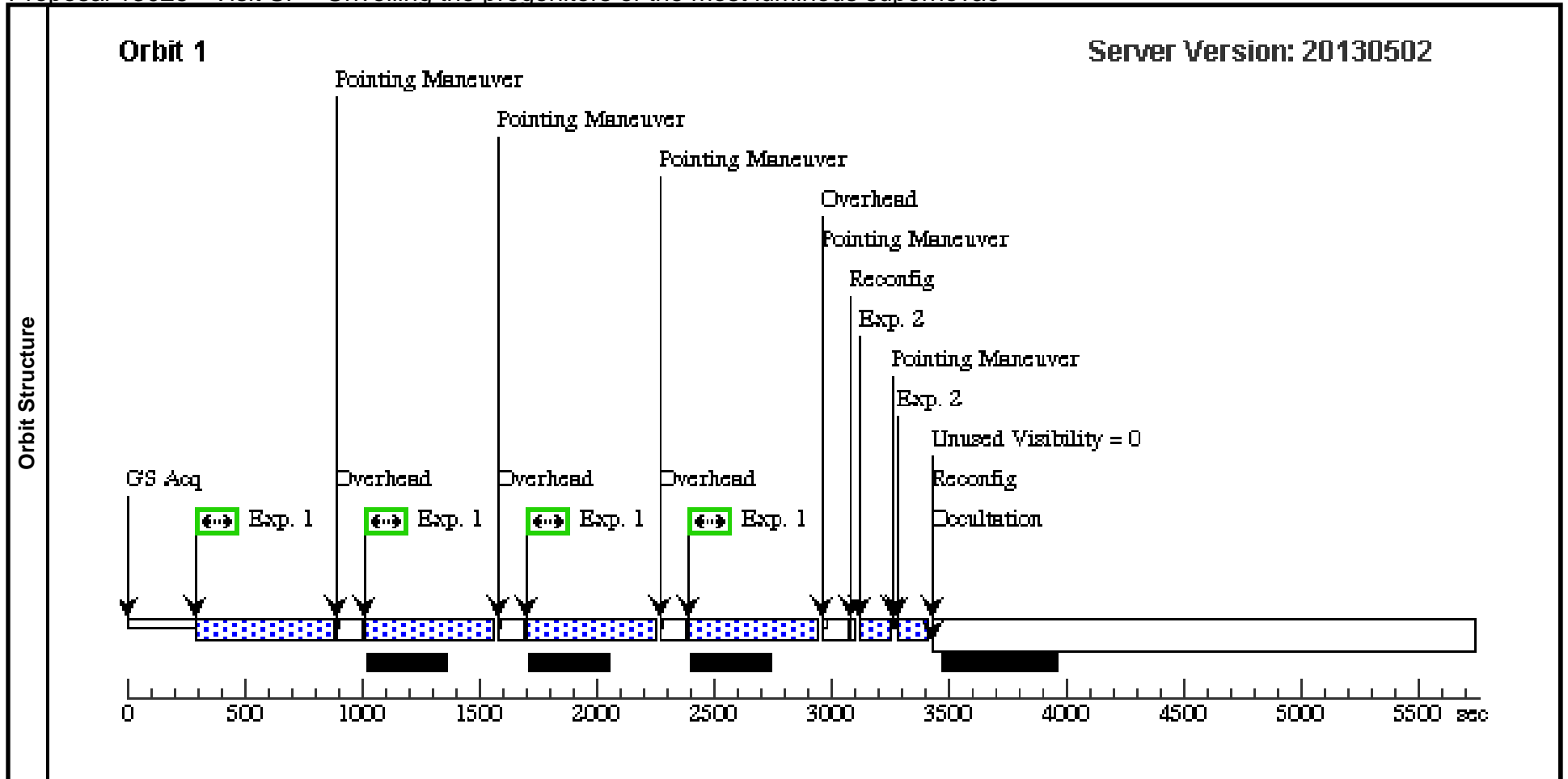
Visit	<b>Proposal 13025, Visit S0, scheduling</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(4)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112 Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false		(1)						
	(5)	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		(2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(16)	PTF09ATU	RA: 16 30 24.5500 (247.6022917d) Dec: +23 38 25.00 (23.64028d) Equinox: J2000		V=25+/-2	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(16) PTF09ATU	WFC3/UVIS, ACCUM, UVIS	F390W	CR-SPLIT=NO; FLASH=8	POS TARG 60,55	Pattern 4, Exps 1-1 in Visit S0 (4)	500 Secs (2036 Secs) [=>509.0 Secs (Pattern 1)] [=>509.0 Secs (Pattern 2)] [=>509.0 Secs (Pattern 3)] [=>509.0 Secs (Pattern 4)]	[1]
2		(16) PTF09ATU	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=3; SAMP-SEQ=SPAR S50		Pattern 5, Exps 2-2 in Visit S0 (5)	102.933193 Secs (205.866 Secs) [=>(Pattern 1)] [=>(Pattern 2)]	[1]	



Proposal 13025 - Visit SP - Unveiling the progenitors of the most luminous supernovae

Thu Jul 11 15:30:35 GMT 2013

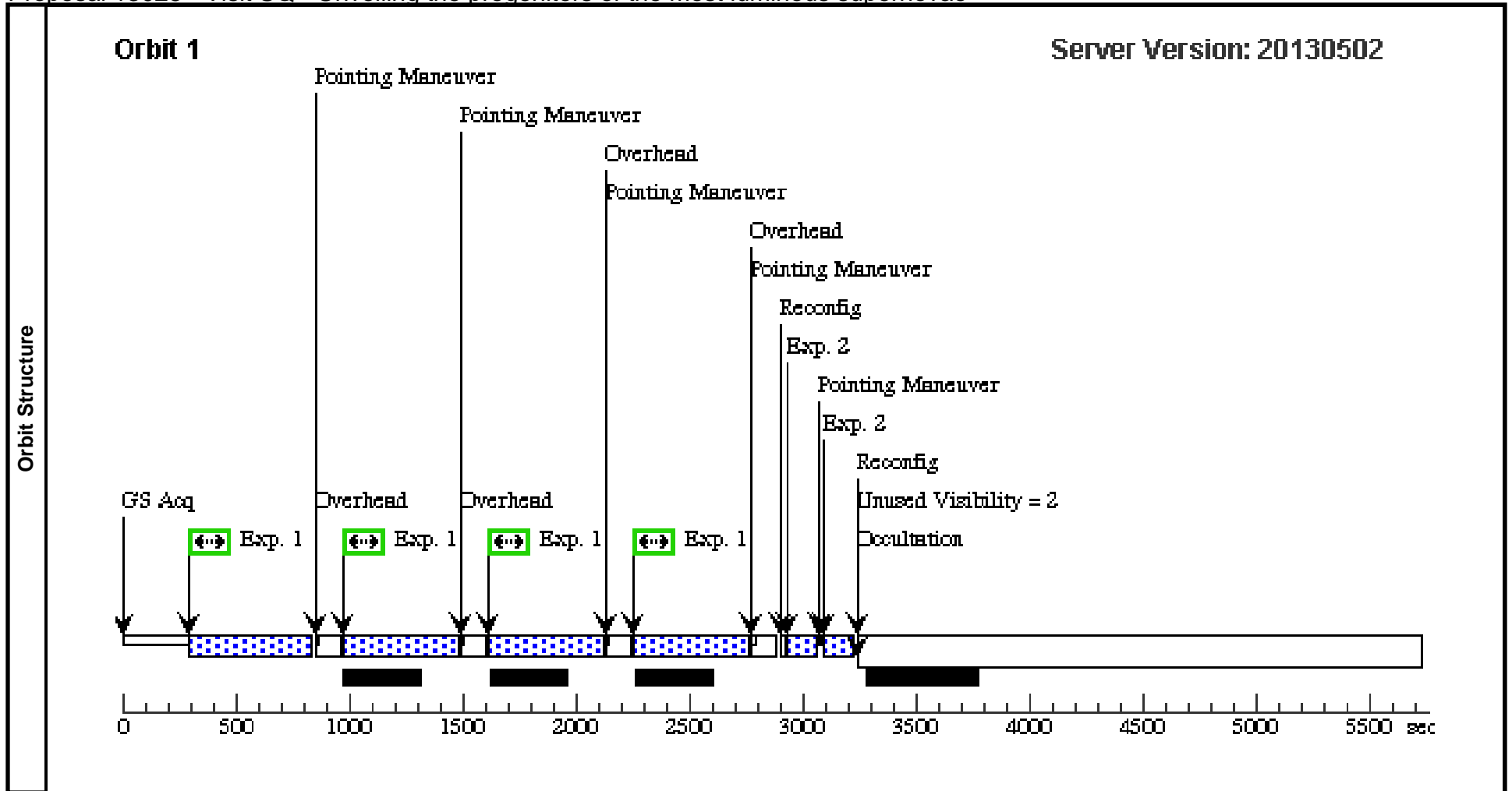
Visit	<b>Proposal 13025, Visit SP, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(4)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112	Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false		(1)				
	(5)	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		(2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(17)	PTF09CND	RA: 16 12 8.9400 (243.0372500d) Dec: +51 29 16.10 (51.48781d) Equinox: J2000		V=25+/-2	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(17) PTF09CND	WFC3/UVIS, ACCUM, UVIS	F390W	CR-SPLIT=NO; FLASH=8		Pattern 4, Exps 1-1 in Visit SP (4)	500 Secs (2224 Secs) [=>556.0 Secs (Pattern 1)] [=>556.0 Secs (Pattern 2)] [=>556.0 Secs (Pattern 3)] [=>556.0 Secs (Pattern 4)]	[1]
	2		(17) PTF09CND	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=3; SAMP-SEQ=SPAR S50		Pattern 5, Exps 2-2 in Visit SP (5)	102.933193 Secs (205.866 Secs) [=>(Pattern 1)] [=>(Pattern 2)]	[1]



Proposal 13025 - Visit SQ - Unveiling the progenitors of the most luminous supernovae

Thu Jul 11 15:30:36 GMT 2013

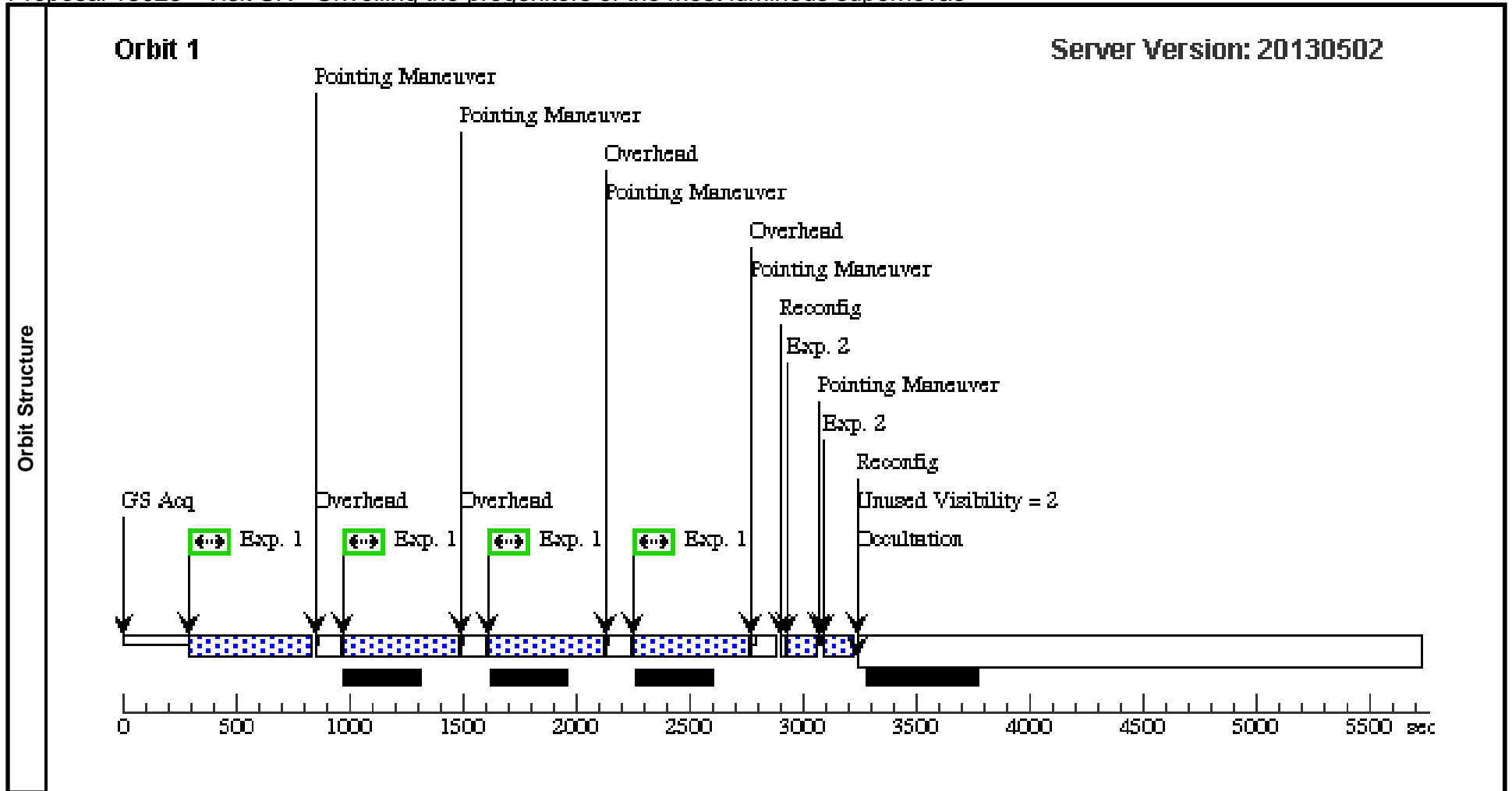
Visit	<b>Proposal 13025, Visit SQ, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(4)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112 Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false		(1)						
	(5)	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		(2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(18)	PS1-12FO	RA: 09 46 12.9100 (146.5537917d) Dec: +19 50 28.70 (19.84131d) Equinox: J2000		V=21.47+/-0.1	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(18) PS1-12FO	WFC3/UVIS, ACCUM, UVIS	F336W	CR-SPLIT=NO; FLASH=9	GS ACQ SCENARI O BASE1B3	Pattern 4, Exps 1-1 i n Visit SQ (4)	500 Secs (2036 Secs) [=>509.0 Secs (Pattern 1)] [=>509.0 Secs (Pattern 2)] [=>509.0 Secs (Pattern 3)] [=>509.0 Secs (Pattern 4)]	[1]
2		(18) PS1-12FO	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=3; SAMP-SEQ=SPAR S50		Pattern 5, Exps 2-2 i n Visit SQ (5)	102.933193 Secs (205.866 Secs) [=>(Pattern 1)] [=>(Pattern 2)]	[1]	



Proposal 13025 - Visit SR - Unveiling the progenitors of the most luminous supernovae

Thu Jul 11 15:30:36 GMT 2013

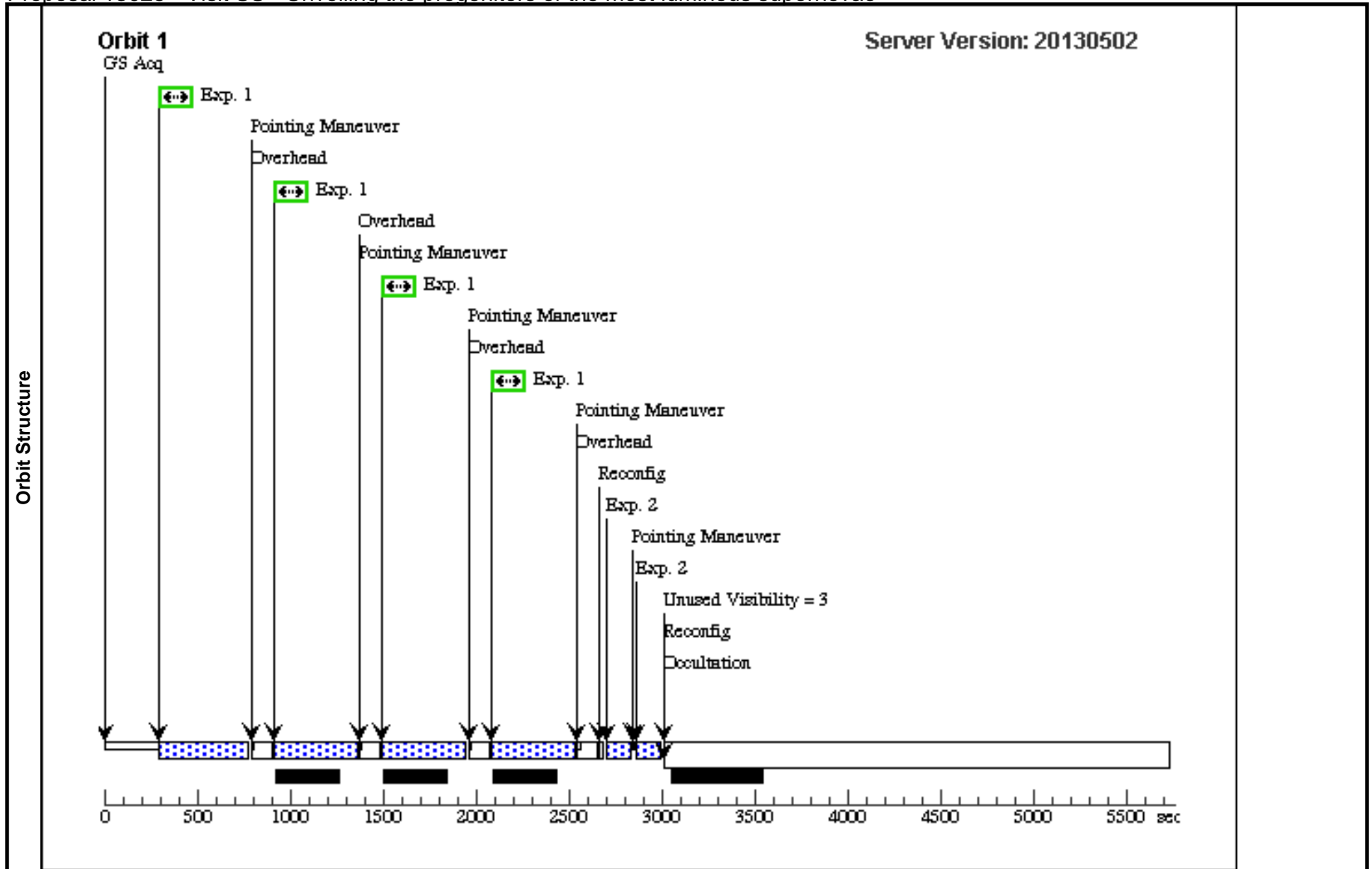
Visit	<b>Proposal 13025, Visit SR, scheduled</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(4)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112	Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false		(1)				
	(5)	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		(2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(19)	CSS111230	RA: 14 36 57.5300 (219.2397083d) Dec: +16 30 56.70 (16.51575d) Equinox: J2000		V=23.17+/-0.1	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(19) CSS111230	WFC3/UVIS, ACCUM, UVIS	F336W	CR-SPLIT=NO; FLASH=9		Pattern 4, Exps 1-1 in Visit SR (4)	500 Secs (2036 Secs) [=>509.0 Secs (Pattern 1)] [=>509.0 Secs (Pattern 2)] [=>509.0 Secs (Pattern 3)] [=>509.0 Secs (Pattern 4)]	[1]
	2		(19) CSS111230	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=3; SAMP-SEQ=SPAR S50		Pattern 5, Exps 2-2 in Visit SR (5)	102.933193 Secs (205.866 Secs) [=>(Pattern 1)] [=>(Pattern 2)]	[1]



Proposal 13025 - Visit SS - Unveiling the progenitors of the most luminous supernovae

Thu Jul 11 15:30:37 GMT 2013

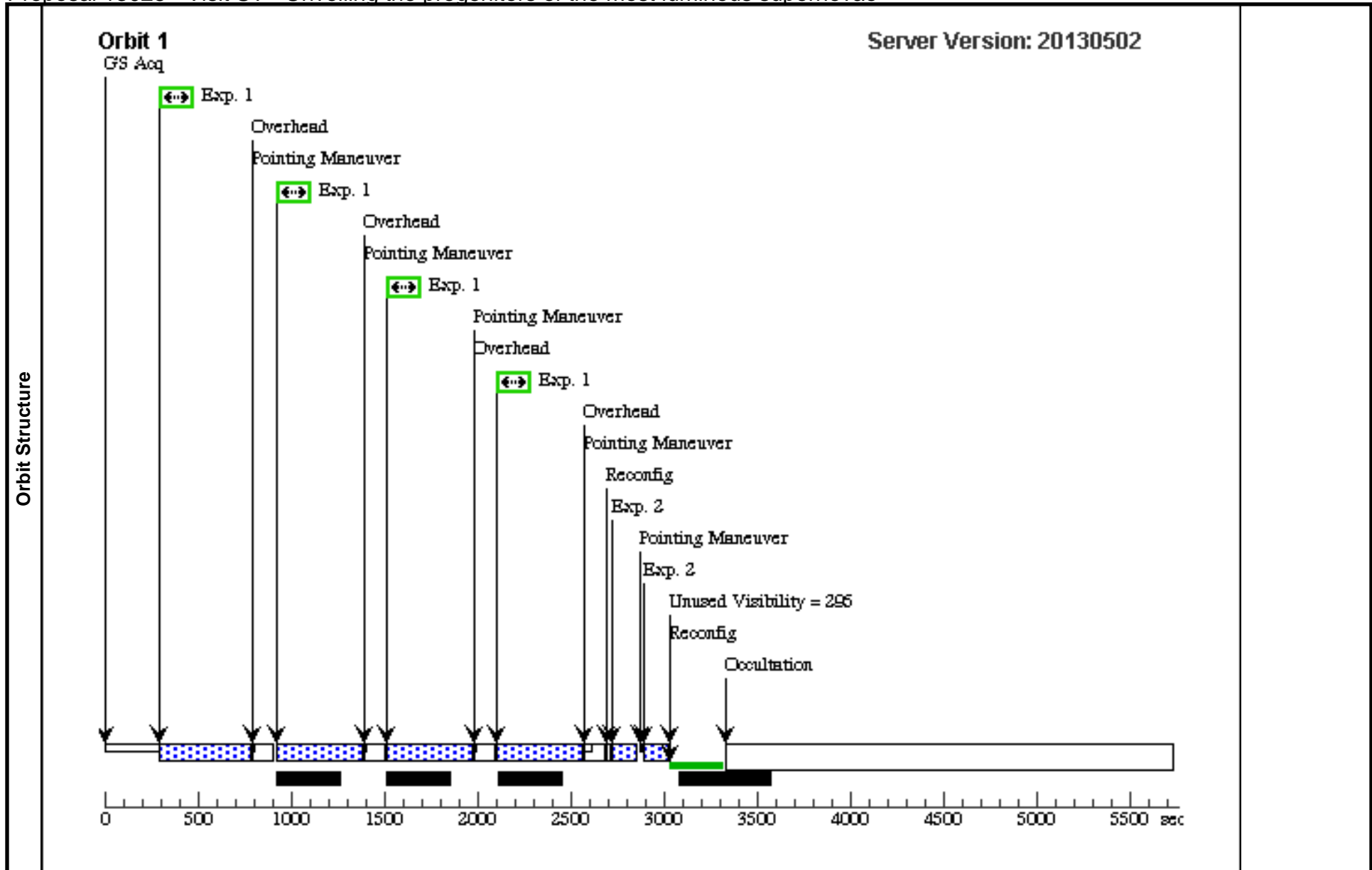
Visit	<b>Proposal 13025, Visit SS, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: SCHED 100%									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(4)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112 Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false		(1)						
	(5)	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		(2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(20)	PTF11RKS	RA: 01 39 45.5100 (24.9396250d) Dec: +29 55 27.00 (29.92417d) Equinox: J2000		V=20.90+/-0.1	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(20) PTF11RKS	WFC3/UVIS, ACCUM, UVIS	F336W	CR-SPLIT=NO; FLASH=9		Pattern 4, Exps 1-1 in Visit SS (4)	500 Secs (1804 Secs) [==>451.0 Secs (Pattern 1)] [==>451.0 Secs (Pattern 2)] [==>451.0 Secs (Pattern 3)] [==>451.0 Secs (Pattern 4)]	[1]
2		(20) PTF11RKS	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=3; SAMP-SEQ=SPAR S50		Pattern 5, Exps 2-2 in Visit SS (5)	102.933193 Secs (205.866 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]	



Proposal 13025 - Visit ST - Unveiling the progenitors of the most luminous supernovae

Thu Jul 11 15:30:38 GMT 2013

Visit	<b>Proposal 13025, Visit ST, scheduling</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(4)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112 Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false		(1)						
	(5)	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		(2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(21)	PTF11DSF	RA: 16 11 33.5500 (242.8897917d) Dec: +40 18 3.50 (40.30097d) Equinox: J2000		V=22.56+/-0.1	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(21) PTF11DSF	WFC3/UVIS, ACCUM, UVIS	F390W	CR-SPLIT=NO; FLASH=9	POS TARG 60,55	Pattern 4, Exps 1-1 i n Visit ST (4)	500 Secs (1832 Secs) [==>458.0 Secs (Pattern 1)] [==>458.0 Secs (Pattern 2)] [==>458.0 Secs (Pattern 3)] [==>458.0 Secs (Pattern 4)]	[1]
2		(21) PTF11DSF	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=3; SAMP-SEQ=SPAR S50		Pattern 5, Exps 2-2 i n Visit ST (5)	102.933193 Secs (205.866 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]	



Proposal 13025 - Visit SU - Unveiling the progenitors of the most luminous supernovae

Thu Jul 11 15:30:38 GMT 2013

Visit	<b>Proposal 13025, Visit SU, completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(4)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112 Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false		(1)						
	(5)	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		(2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(22)	PTF11DIJ	RA: 13 50 57.7700 (207.7407083d) Dec: +26 16 42.80 (26.27856d) Equinox: J2000		V=20.740+/-0.10	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(22) PTF11DIJ	WFC3/UVIS, ACCUM, UVIS	F336W	CR-SPLIT=NO; FLASH=9			Pattern 4, Exps 1-1 in Visit SU (4)	500 Secs (2044 Secs) [=>511.0 Secs (Pattern 1)] [=>511.0 Secs (Pattern 2)] [=>511.0 Secs (Pattern 3)] [=>511.0 Secs (Pattern 4)]
2		(22) PTF11DIJ	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=3; SAMP-SEQ=SPAR S50			Pattern 5, Exps 2-2 in Visit SU (5)	102.933193 Secs (205.866 Secs) [=>(Pattern 1)] [=>(Pattern 2)]	[1]

