



# 14668 - Continuing a Snapshot Survey of the Sites of Recent, Nearby Supernovae: Cycle 24

Cycle: 24, Proposal Category: SNAP

(Availability Mode: SUPPORTED)

## INVESTIGATORS

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## VISITS

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(1) SNHUNT151	WFC3/UVIS	1	06-Feb-2017 21:03:46.0	yes
02	(3) SNHUNT248	WFC3/UVIS	1	06-Feb-2017 21:03:47.0	yes
03	(4) SN2015G	WFC3/UVIS	1	06-Feb-2017 21:03:48.0	yes
04	(5) SN2014C	WFC3/UVIS	1	06-Feb-2017 21:03:49.0	yes
05	(6) MOTJ1204+2659	WFC3/UVIS	1	06-Feb-2017 21:03:49.0	yes
06	(7) SN2012FH	WFC3/UVIS	1	06-Feb-2017 21:03:50.0	yes

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<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
07	(8) SNHUNT275	WFC3/UVIS	1	06-Feb-2017 21:03:51.0	yes
08	(9) SN2012AW	WFC3/UVIS	1	06-Feb-2017 21:03:52.0	yes
09	(10) SN2013EJ	WFC3/UVIS	1	06-Feb-2017 21:03:52.0	yes
10	(11) SN2016BAU	WFC3/UVIS	1	06-Feb-2017 21:03:53.0	yes
11	(12) SN2016BKV	WFC3/UVIS	1	06-Feb-2017 21:03:54.0	yes
13	(14) SN2014DT	WFC3/UVIS	1	06-Feb-2017 21:03:54.0	yes
14	(15) SN2013DF	WFC3/UVIS	1	06-Feb-2017 21:03:55.0	yes
16	(17) SN2009IP	WFC3/UVIS	1	06-Feb-2017 21:03:56.0	yes
18	(19) SN2010MC	WFC3/UVIS	1	06-Feb-2017 21:03:56.0	yes
19	(20) UGC2773-OT	WFC3/UVIS	1	06-Feb-2017 21:03:57.0	yes
20	(44) ASASSN-14HA	WFC3/UVIS	1	06-Feb-2017 21:03:57.0	yes
21	(22) SN2005IP	WFC3/UVIS	1	06-Feb-2017 21:03:58.0	yes
22	(23) PSNJ09132750+7627410	WFC3/UVIS	1	06-Feb-2017 21:03:59.0	yes
23	(24) SNHUNT260	WFC3/UVIS	1	06-Feb-2017 21:03:59.0	yes
24	(25) SN1998S	WFC3/UVIS	1	06-Feb-2017 21:04:00.0	yes
25	(26) SN2008BK	WFC3/UVIS	1	06-Feb-2017 21:04:01.0	yes
26	(27) NGC4559-OT	WFC3/UVIS	1	06-Feb-2017 21:04:01.0	yes
27	(28) SN2016COJ	WFC3/UVIS	1	06-Feb-2017 21:04:02.0	yes
28	(29) SN2016COI	WFC3/UVIS	1	06-Feb-2017 21:04:03.0	yes
29	(30) SN2016AQT	WFC3/UVIS	1	06-Feb-2017 21:04:03.0	yes
30	(31) SN2015AP	WFC3/UVIS	1	06-Feb-2017 21:04:04.0	yes
31	(32) SN2015AH	WFC3/UVIS	1	06-Feb-2017 21:04:05.0	yes
32	(33) PS15BGT	WFC3/UVIS	1	06-Feb-2017 21:04:05.0	yes
33	(34) ASASSN-14DQ	WFC3/UVIS	1	06-Feb-2017 21:04:06.0	yes
35	(36) SN2013GE	WFC3/UVIS	1	06-Feb-2017 21:04:07.0	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>
36	(37) SN2010JL	WFC3/UVIS	1	06-Feb-2017 21:04:07.0	yes
37	(38) IPTF14ATG	WFC3/UVIS	1	06-Feb-2017 21:04:08.0	yes
38	(39) SN2016COK	WFC3/UVIS	1	06-Feb-2017 21:04:09.0	yes
39	(40) SN2016B	WFC3/UVIS	1	06-Feb-2017 21:04:09.0	yes
41	(41) ASASSN-15LH	WFC3/UVIS	1	06-Feb-2017 21:04:10.0	yes
42	(42) SN2008HA	WFC3/UVIS	1	06-Feb-2017 21:04:11.0	yes
43	(43) SN2002ES	WFC3/UVIS	1	06-Feb-2017 21:04:11.0	yes
44	(45) SN2006X	WFC3/UVIS	1	06-Feb-2017 21:04:12.0	yes
45	(46) NGC5775-OT	WFC3/UVIS	1	06-Feb-2017 21:04:13.0	yes
46	(47) SN2000CH	WFC3/UVIS	1	06-Feb-2017 21:04:13.0	yes
47	(8) SNHUNT275	WFC3/UVIS	1	06-Feb-2017 21:04:14.0	yes
48	(48) SN2006TF	WFC3/UVIS	1	06-Feb-2017 21:04:14.0	yes

43 Total Orbits Used

## ABSTRACT

During the past two decades, robotic (or highly automated) searches for supernovae (SNe), most notably our Lick Observatory Supernova Search (LOSS), have found hundreds of SNe, many of them in quite nearby galaxies ( $cz < 4000$  km/s). Most of the objects were discovered before maximum brightness, and have follow-up photometry and spectroscopy; they include some of the best-studied SNe to date. We propose to continue our successful program of imaging the sites of some of these nearby objects, to obtain late-time photometry that will help reveal the origin of their lingering energy. We will also search for possible stellar remnants of Type Ia SNe, an intriguing new possibility. Moreover, the images will provide high-resolution information on the local environments of SNe that are far superior to what we can procure from the ground. For example, we will obtain color-magnitude diagrams of stars in these SN sites, to constrain the reddening and SN progenitor masses. We will search for light echoes around SNe, an important clue to their progenitor systems. We also propose to image some "SN impostors" -- faint SNe II in with massive progenitors -- to verify whether they are indeed superoutbursts of luminous blue variables that survived the explosions or a new/weak class of massive-star explosions.

## **OBSERVING DESCRIPTION**

We wish to obtain WFC3 images of the sites of nearby, recent SNe discovered or monitored by LOSS. Most of the objects are core-collapse SNe, which have massive, short-lived progenitors (making it also possible to study individual stars in their local environment), but several SNe Ia will also be imaged to obtain late-time measurements in crowded environments and provide statistics on light echoes. The use of standard wide bands will permit direct comparisons with other HST observations. Although there are tradeoffs, we feel that WFC3 is superior to ACS for our purposes, due to its higher resolution and, more importantly, shorter overhead time for the relatively brief snapshot visits. Note that a substantial part of the host galaxies of the SNe will be imaged with WFC3, and the data can be used for many other studies, such as galaxy morphology, stellar populations, variable stars, star clusters, H II regions, and the search for future SN progenitors. We will adjust the pointing coordinates of the telescope to make sure the SN sites and the maximum portion of their host galaxies are imaged.

Accurate astrometry will generally be needed in order to locate the faint SN in its environment. This requires imposing an independent reference grid onto the WFC3 image, using stars that have been measured in deep, ground-based images and tied to the USNO B1 systems. We have access to telescopes at the Lick, Palomar, CFHT, Gemini, Magellan, and Keck Observatories, where we have been obtaining such images of each SN field. We have verified in previous studies that the number of stars typically visible in the HST and ground-based images is sufficient for our purposes.

Given our desire to go fairly deep, and the advantage of having some color information for SNe (and their environments), the use of at least two filters is deemed necessary, and we choose F555W (V) and F814W (I) filters for our proposed visits. The F814W filter is sensitive to massive, evolved stars in the neighborhood of core-collapse SNe, and provides constraints on the possible circumstellar material interaction and dust formation around SNe, while the F555W filter provides color information for the SNe and the stellar content of the environment, and is also more sensitive to possible light echoes. The CR-SPLIT exposures will be dithered, as requested (Call for Proposals, Sec. 4.1.7), to improve data quality. As in previous cycles, we have substituted a number of other WFC3-UVIS broadband filters in the cases of a subset of targets to provide improved measurements tailored for each object, or to provide continuity with early time ground-based photometry.

For a single visit to be ~35 minutes long (the peak of the distribution of snapshot visits has historically been around 30-35 minutes, according to the HST Snapshot document at [http://www.stsci.edu/hst/HST overview/documents/](http://www.stsci.edu/hst/HST%20overview/documents/)), there can be only one filter change and only one CR-SPLIT pair of WFC3 exposures through each filter. Due to a severe overhead of 5.8 min for any short (< 339 s) exposures among the first three exposures in a visit, we design a visit with the first pair of exposures having 390 s integration each, while the second pair of exposures have 390 s and 320 s integrations (the last short exposure does not impose the 5.8 min overhead penalty). This yields a total visit time of 2380 s = 37.66 minutes. We have verified

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with existing HST data that uneven integration times (by a factor of 2) in a dithered CR-SPLIT exposure do not pose problems for cosmic-ray removal. The long pair of exposures (totalling 680 s) is used for the F814W filter because it has less sensitivity than the F555W filter.

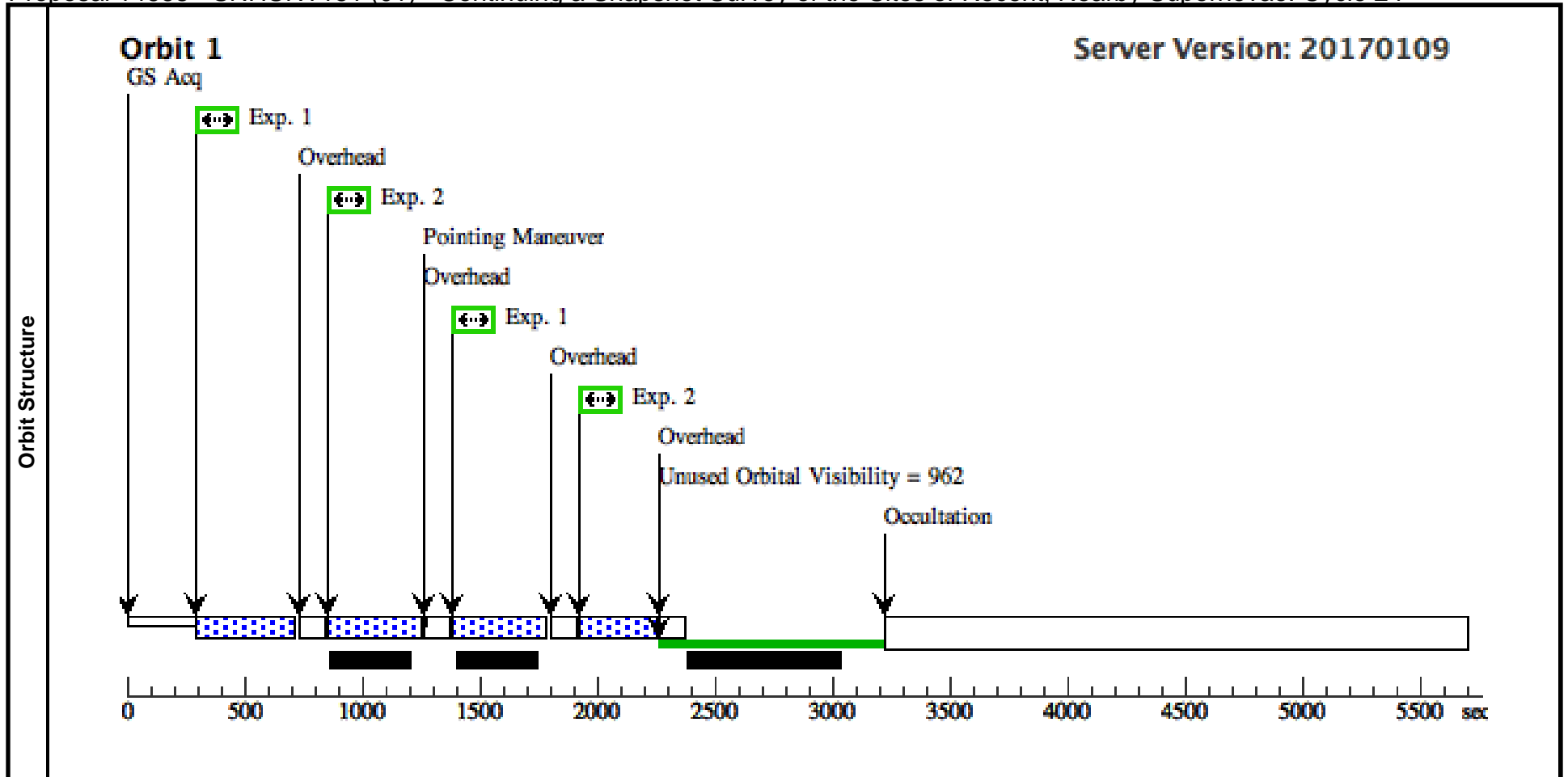
We have chosen 43 nearby SNe/SN impostors as the superset of targets for our snapshot study. We concentrate on the most recent ones (which have the highest probability of being detected in the HST images), as well as on long-lived SNe (as judged from their continually updated ground-based light curves).

Our total request is 43 snapshots in 43 visits (at about 37 minutes per visit). Each visit will target one SN with the F555W and F814W filters (or additional broadband WFC3 UVIS filters).

Proposal 14668 - SNHUNT151 (01) - Continuing a Snapshot Survey of the Sites of Recent, Nearby Supernovae: Cycle 24

Tue Feb 07 02:04:16 GMT 2017

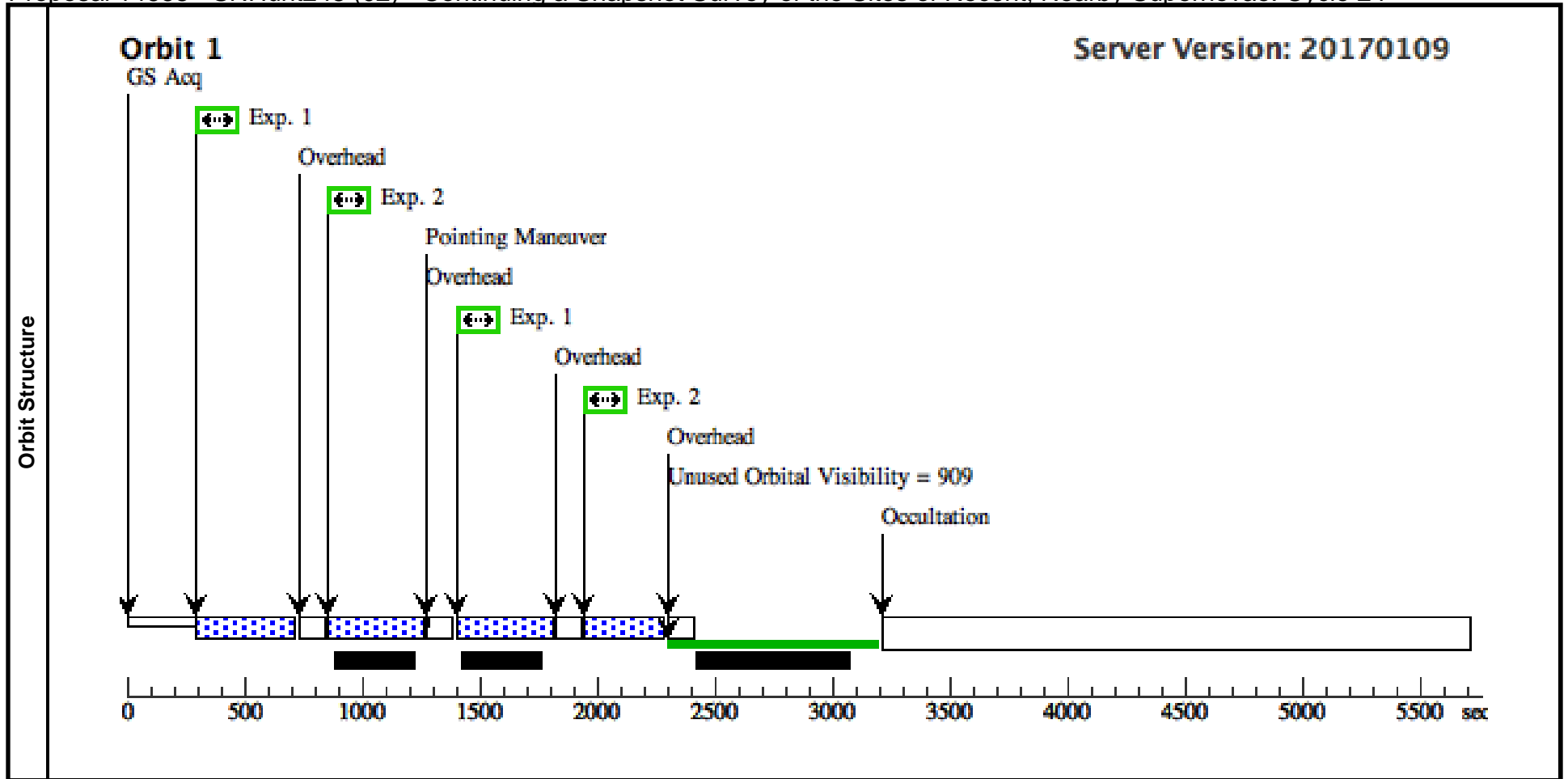
Visit	<b>Proposal 14668, SNHUNT151 (01), completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	SNHUNT151	RA: 04 47 30.0000 (71.8750000d) Dec: +23 58 56.00 (23.98222d) Equinox: J2000		V=25.0	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F814W	(1) SNHUNT151	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=4		Pattern 1, Exps 1-2 in SNHUNT151 (01) (1)	780 Secs (780 Secs) [=>390.0 Secs (Pattern 1)] [=>390.0 Secs (Pattern 2)]	[1]
	2	F555W	(1) SNHUNT151	WFC3/UVIS, ACCUM, UVIS	F555W	FLASH=4		Pattern 1, Exps 1-2 in SNHUNT151 (01) (1)	710 Secs (710 Secs) [=>390.0 Secs (Pattern 1)] [=>320.0 Secs (Pattern 2)]	[1]



Proposal 14668 - SNHunt248 (02) - Continuing a Snapshot Survey of the Sites of Recent, Nearby Supernovae: Cycle 24

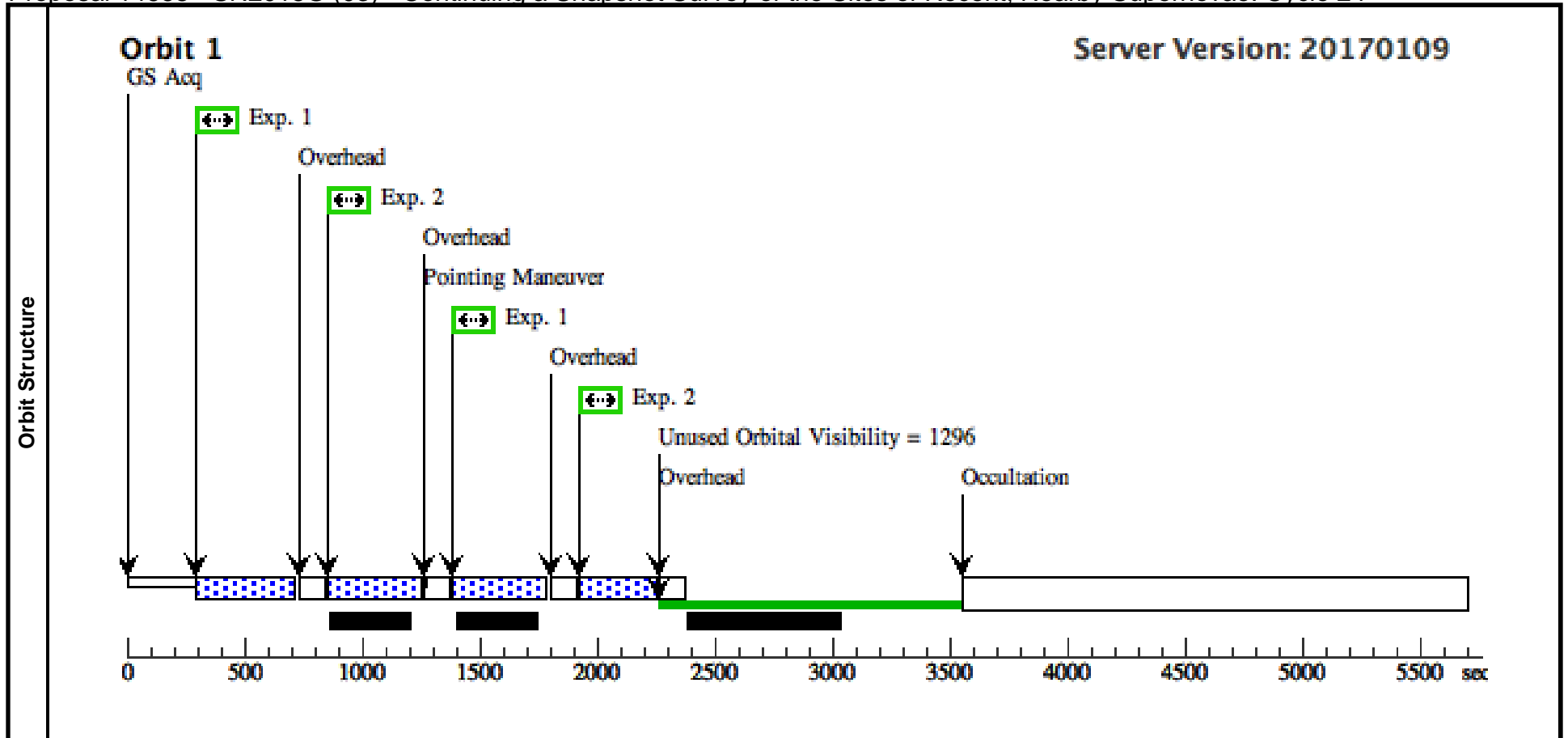
Tue Feb 07 02:04:16 GMT 2017

Visit	Proposal 14668, SNHunt248 (02), scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(1-2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	SNHUNT248	RA: 14 59 59.4700 (224.9977917d) Dec: +01 54 26.60 (1.90739d) Equinox: J2000		V=25.0	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F814W	(3) SNHUNT248	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=4		Pattern 1, Exps 1-2 in SNHunt248 (02) (1)	780 Secs (780 Secs) [==>390.0 Secs (Pattern 1)] [==>390.0 Secs (Pattern 2)]	[1]
	2	F438W	(3) SNHUNT248	WFC3/UVIS, ACCUM, UVIS	F438W	FLASH=10		Pattern 1, Exps 1-2 in SNHunt248 (02) (1)	710 Secs (710 Secs) [==>390.0 Secs (Pattern 1)] [==>320.0 Secs (Pattern 2)]	[1]



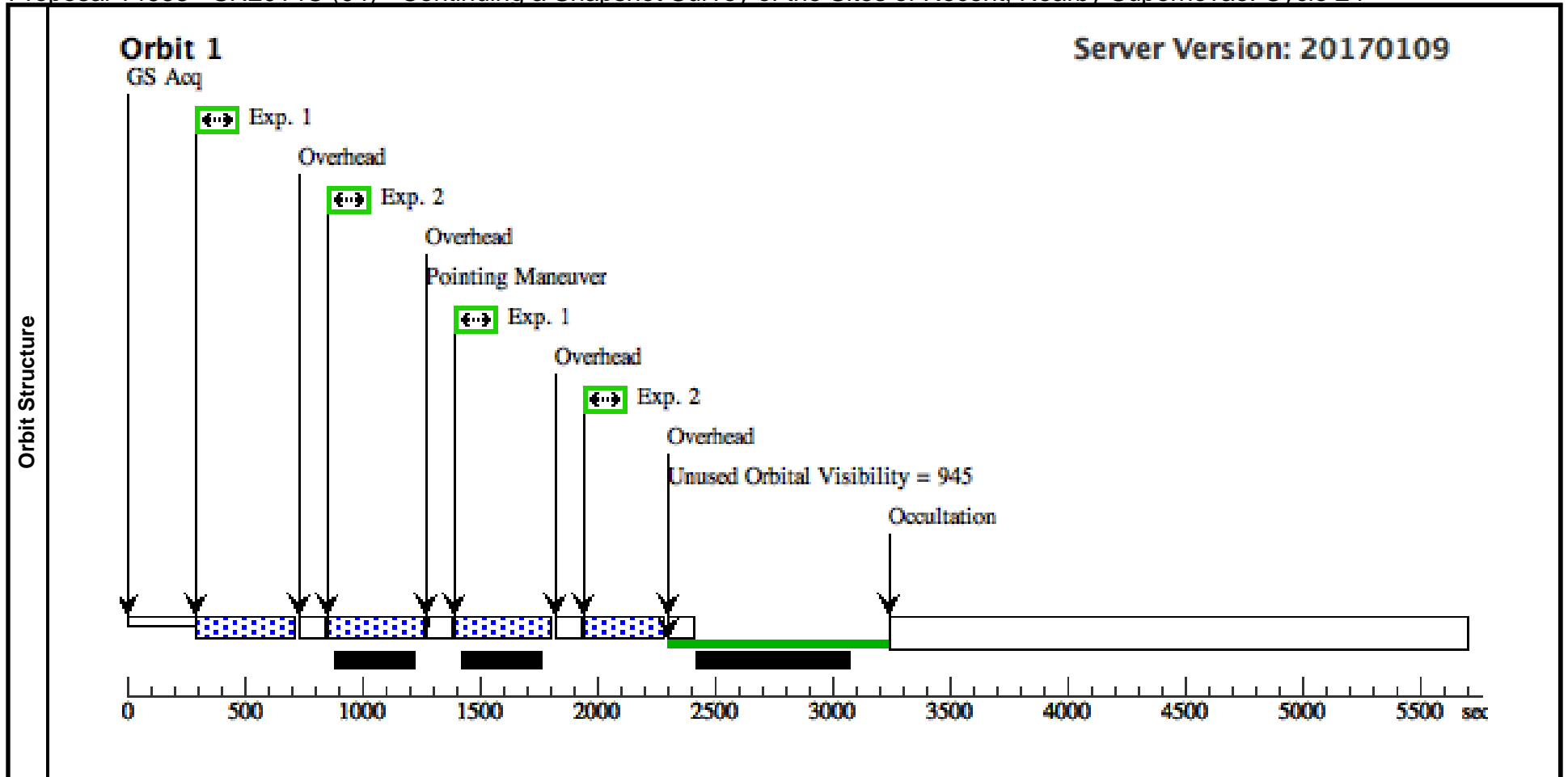
Proposal 14668 - SN2015G (03) - Continuing a Snapshot Survey of the Sites of Recent, Nearby Supernovae: Cycle 24

Visit	Proposal 14668, SN2015G (03), completed <span style="float: right;">Tue Feb 07 02:04:16 GMT 2017</span> Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(4)	SN2015G	RA: 20 37 14.0000 (309.3083333d) Dec: +66 06 20.00 (66.10556d) Equinox: J2000		V=25.0	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F814W	(4) SN2015G	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=4		Pattern 1, Exps 1-2 in SN2015G (03) (1)	780 Secs (780 Secs) [==>390.0 Secs (Pattern 1)] [==>390.0 Secs (Pattern 2)]	[1]
	2	F555W	(4) SN2015G	WFC3/UVIS, ACCUM, UVIS	F555W	FLASH=4		Pattern 1, Exps 1-2 in SN2015G (03) (1)	710 Secs (710 Secs) [==>390.0 Secs (Pattern 1)] [==>320.0 Secs (Pattern 2)]	[1]



Proposal 14668 - SN2014C (04) - Continuing a Snapshot Survey of the Sites of Recent, Nearby Supernovae: Cycle 24

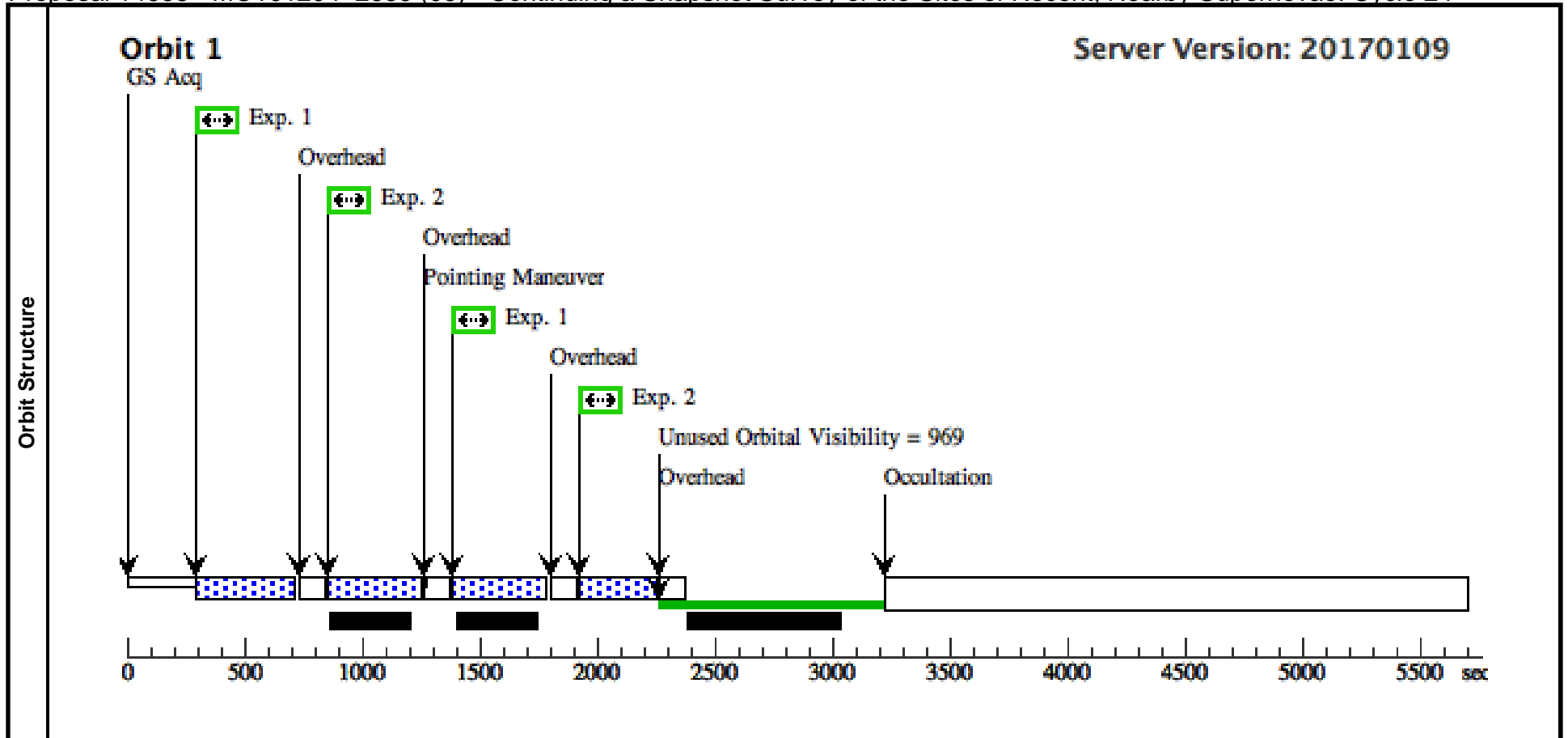
Visit	Proposal 14668, SN2014C (04), completed <span style="float: right;">Tue Feb 07 02:04:16 GMT 2017</span> Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(5)	SN2014C	RA: 22 37 5.6000 (339.2733333d) Dec: +34 24 31.90 (34.40886d) Equinox: J2000		V=25.0	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F336W	(5) SN2014C	WFC3/UVIS, ACCUM, UVIS	F336W	FLASH=10		Pattern 1, Exps 1-2 in SN2014C (04) (1)	780 Secs (780 Secs) [==>390.0 Secs (Pattern 1)] [==>390.0 Secs (Pattern 2)]	[1]
	2	F555W	(5) SN2014C	WFC3/UVIS, ACCUM, UVIS	F555W	FLASH=4		Pattern 1, Exps 1-2 in SN2014C (04) (1)	710 Secs (710 Secs) [==>390.0 Secs (Pattern 1)] [==>320.0 Secs (Pattern 2)]	[1]



Proposal 14668 - MOTJ1204+2659 (05) - Continuing a Snapshot Survey of the Sites of Recent, Nearby Supernovae: Cycle 24

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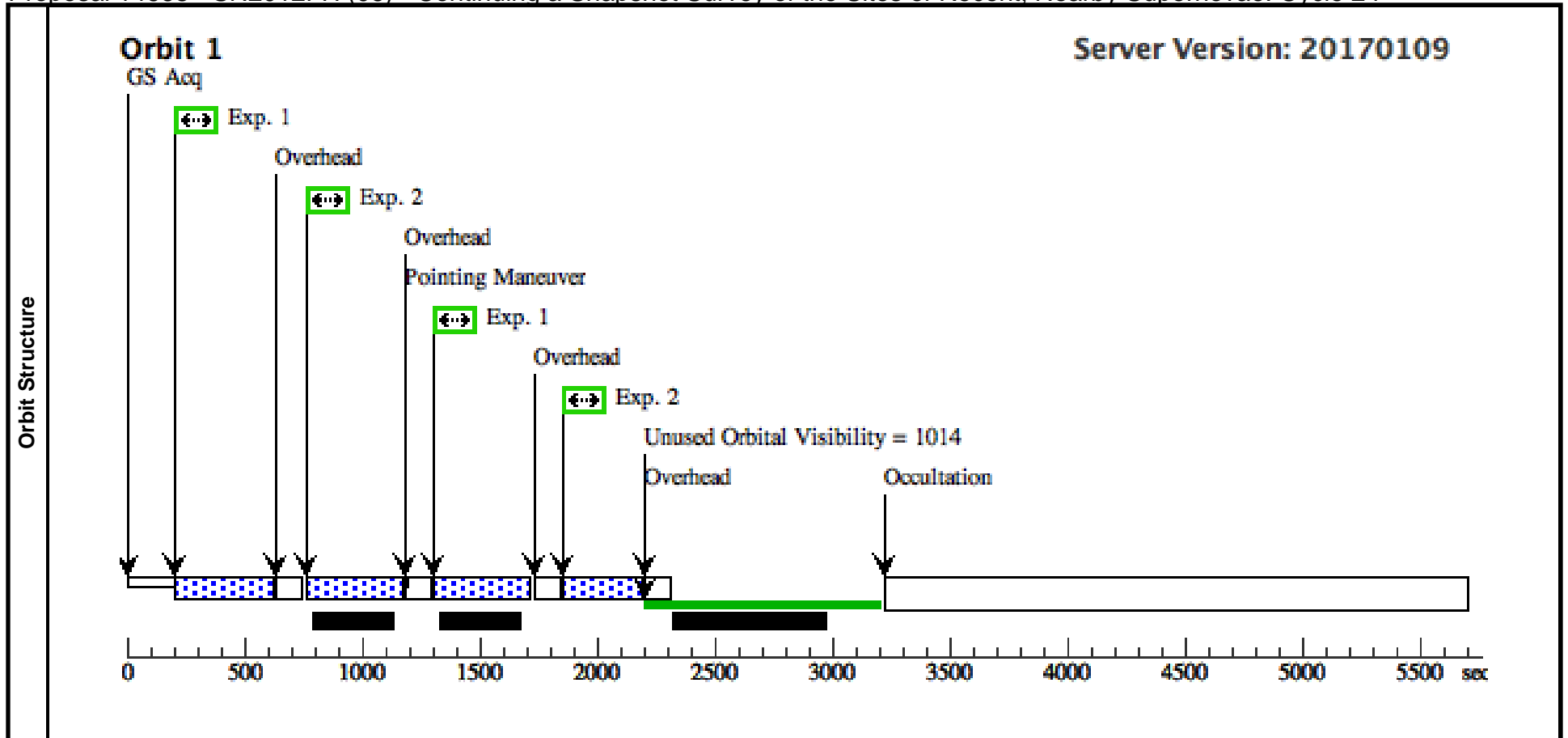
Visit	Proposal 14668, MOTJ1204+2659 (05), scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(6)	MOTJ1204+2659	RA: 12 04 52.0000 (181.2166667d) Dec: +26 59 46.60 (26.99628d) Equinox: J2000		V=25.0	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F814W	(6) MOTJ1204+2659	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=4		Pattern 1, Exps 1-2 in MOTJ1204+2659 (05) (1)	780 Secs (780 Secs) [==>390.0 Secs (Pattern 1)] [==>390.0 Secs (Pattern 2)]	[1]
	2	F555W	(6) MOTJ1204+2659	WFC3/UVIS, ACCUM, UVIS	F555W	FLASH=4		Pattern 1, Exps 1-2 in MOTJ1204+2659 (05) (1)	710 Secs (710 Secs) [==>390.0 Secs (Pattern 1)] [==>320.0 Secs (Pattern 2)]	[1]



Proposal 14668 - SN2012FH (06) - Continuing a Snapshot Survey of the Sites of Recent, Nearby Supernovae: Cycle 24

Tue Feb 07 02:04:16 GMT 2017

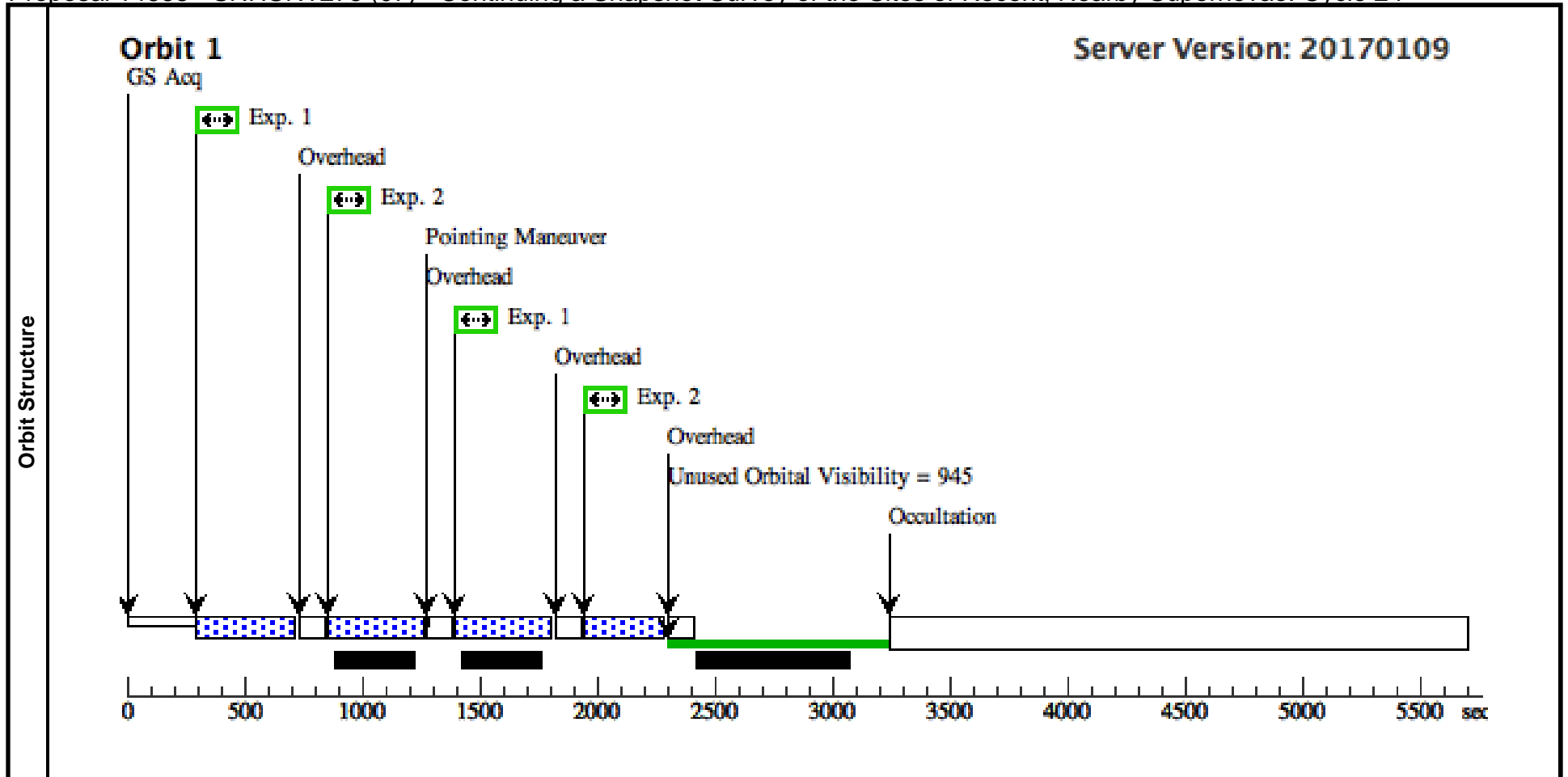
Visit	Proposal 14668, SN2012FH (06), scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)										
	Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
		(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false				(1-2)			
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(7)	SN2012FH	RA: 10 43 34.0500 (160.8918750d) Dec: +24 53 29.00 (24.89139d) Equinox: J2000					V=25.0		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	F336W	(7) SN2012FH	WFC3/UVIS, ACCUM, UVIS	F336W	FLASH=10	GS ACQ SCENARIO SINGLE	Pattern 1, Exps 1-2 in SN2012FH (06) (1)	780 Secs (780 Secs)		
									[=>390.0 Secs (Pattern 1)]		[1]
	2	F555W	(7) SN2012FH	WFC3/UVIS, ACCUM, UVIS	F555W	FLASH=4		Pattern 1, Exps 1-2 in SN2012FH (06) (1)	710 Secs (710 Secs)		
									[=>390.0 Secs (Pattern 1)]		[1]
									[=>320.0 Secs (Pattern 2)]		



Proposal 14668 - SNHUNT275 (07) - Continuing a Snapshot Survey of the Sites of Recent, Nearby Supernovae: Cycle 24

Tue Feb 07 02:04:16 GMT 2017

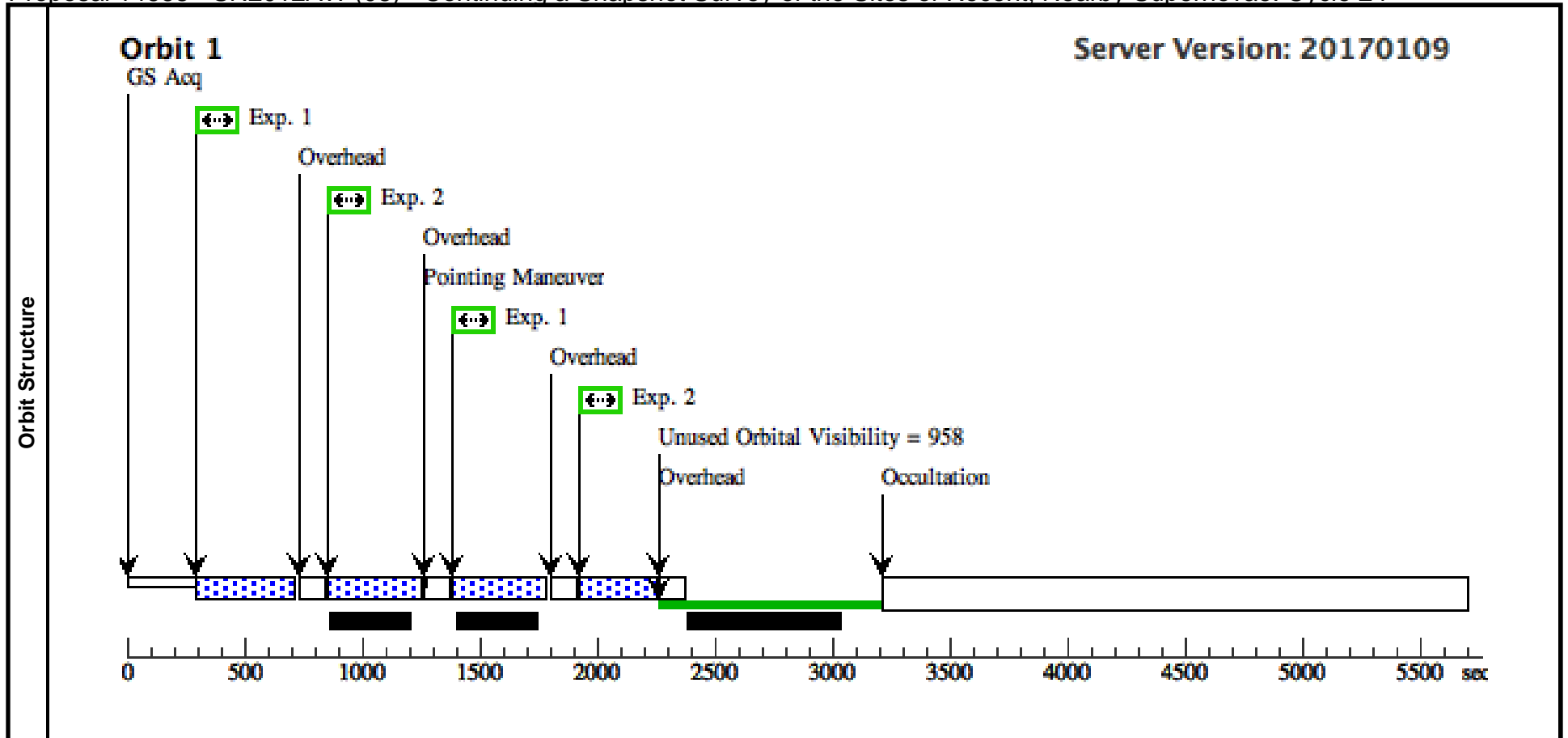
Visit	<b>Proposal 14668, SNHUNT275 (07), implementation</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
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Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(8)	SNHUNT275	RA: 09 09 35.0000 (137.3958333d) Dec: +33 07 21.30 (33.12258d) Equinox: J2000		V=25.0	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F438W	(8) SNHUNT275	WFC3/UVIS, ACCUM, UVIS	F438W	FLASH=8		Pattern 1, Exps 1-2 in SNHUNT275 (07) (1)	780 Secs (780 Secs) [=>390.0 Secs (Pattern 1)] [=>390.0 Secs (Pattern 2)]	[1]
	2	F625W	(8) SNHUNT275	WFC3/UVIS, ACCUM, UVIS	F625W	FLASH=4		Pattern 1, Exps 1-2 in SNHUNT275 (07) (1)	710 Secs (710 Secs) [=>390.0 Secs (Pattern 1)] [=>320.0 Secs (Pattern 2)]	[1]



Proposal 14668 - SN2012AW (08) - Continuing a Snapshot Survey of the Sites of Recent, Nearby Supernovae: Cycle 24

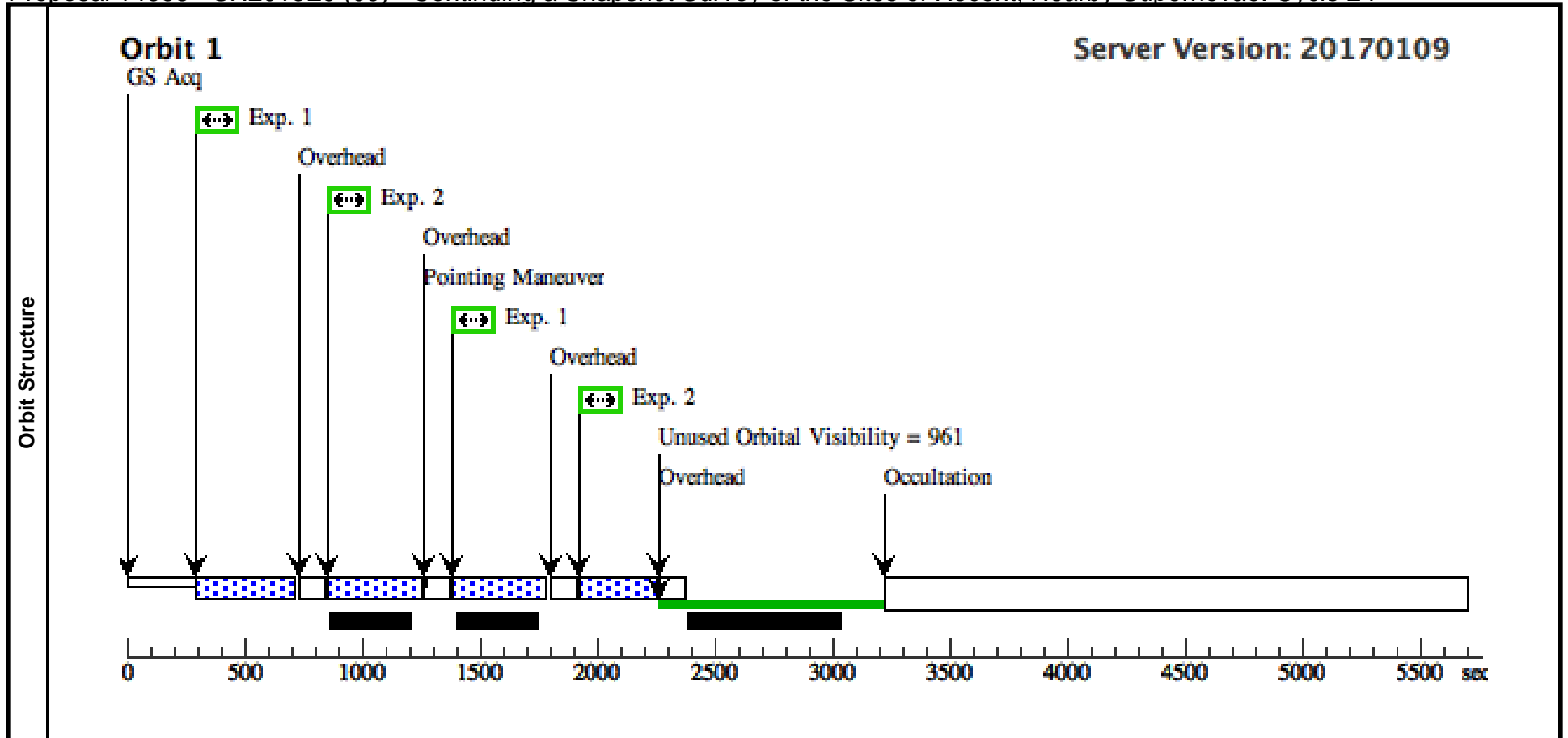
Tue Feb 07 02:04:16 GMT 2017

Visit	<b>Proposal 14668, SN2012AW (08), completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
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Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(9)	SN2012AW	RA: 10 43 54.0000 (160.9750000d) Dec: +11 40 17.90 (11.67164d) Equinox: J2000		V=25.0	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F814W	(9) SN2012AW	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=4		Pattern 1, Exps 1-2 in SN2012AW (08) (1)	780 Secs (780 Secs) [==>390.0 Secs (Pattern 1)] [==>390.0 Secs (Pattern 2)]	[1]
	2	F555W	(9) SN2012AW	WFC3/UVIS, ACCUM, UVIS	F555W	FLASH=4		Pattern 1, Exps 1-2 in SN2012AW (08) (1)	710 Secs (710 Secs) [==>390.0 Secs (Pattern 1)] [==>320.0 Secs (Pattern 2)]	[1]



Proposal 14668 - SN2013EJ (09) - Continuing a Snapshot Survey of the Sites of Recent, Nearby Supernovae: Cycle 24

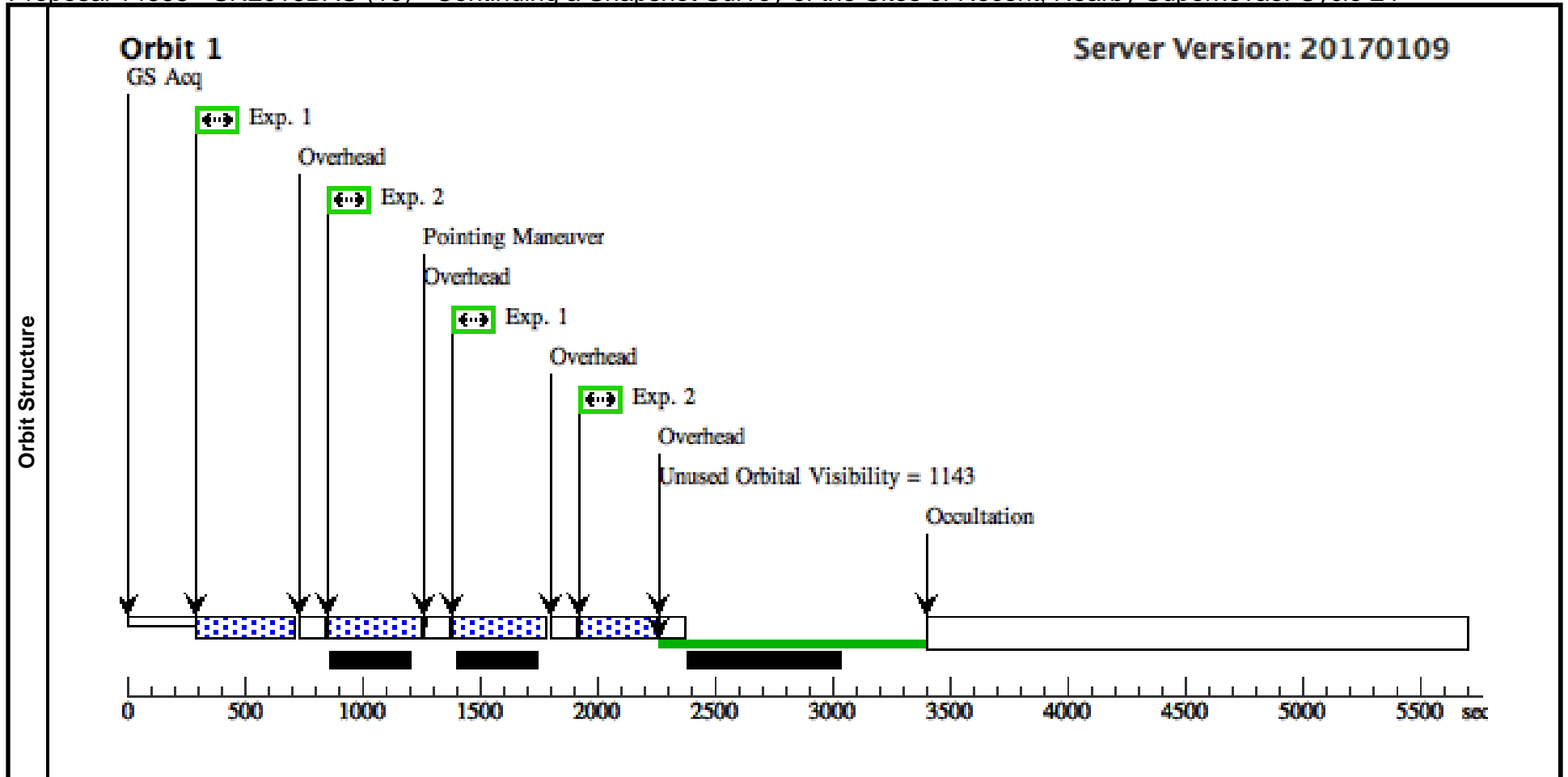
Visit	Proposal 14668, SN2013EJ (09), completed <span style="float: right;">Tue Feb 07 02:04:16 GMT 2017</span> Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(10)	SN2013EJ	RA: 01 36 48.0000 (24.2000000d) Dec: +15 45 31.00 (15.75861d) Equinox: J2000		V=25.0	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F814W	(10) SN2013EJ	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=4		Pattern 1, Exps 1-2 in SN2013EJ (09) (1)	780 Secs (780 Secs) [==>390.0 Secs (Pattern 1)] [==>390.0 Secs (Pattern 2)]	[1]
	2	F555W	(10) SN2013EJ	WFC3/UVIS, ACCUM, UVIS	F555W	FLASH=4		Pattern 1, Exps 1-2 in SN2013EJ (09) (1)	710 Secs (710 Secs) [==>390.0 Secs (Pattern 1)] [==>320.0 Secs (Pattern 2)]	[1]



Proposal 14668 - SN2016BAU (10) - Continuing a Snapshot Survey of the Sites of Recent, Nearby Supernovae: Cycle 24

Tue Feb 07 02:04:17 GMT 2017

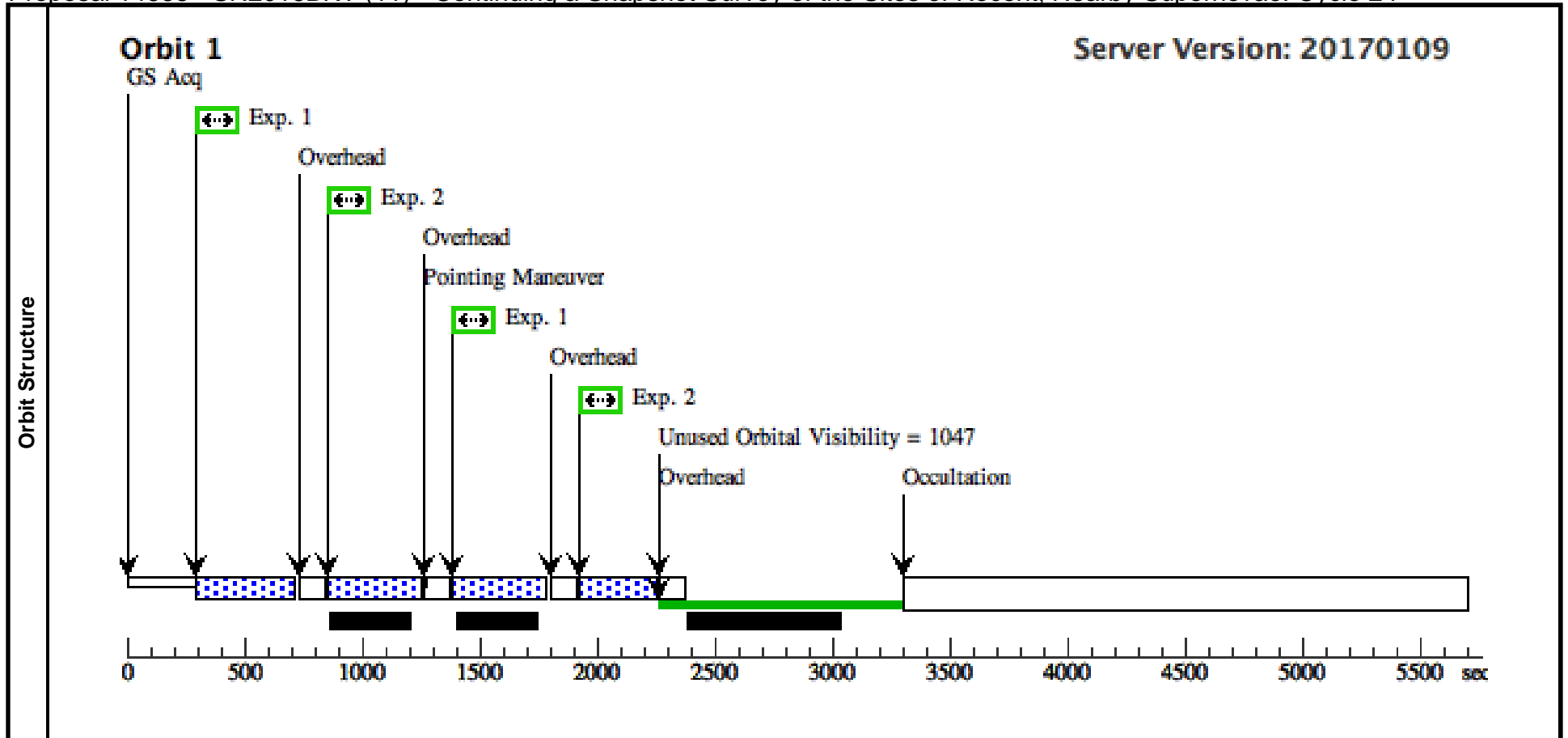
<b>Visit</b>	Proposal 14668, SN2016BAU (10), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>	<b>Secondary Pattern</b>			<b>Exposures</b>				
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false				(1-2)				
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(11)	SN2016BAU	RA: 11 20 59.0200 (170.2459167d) Dec: +53 10 25.60 (53.17378d) Equinox: J2000		V=25.0	Reference Frame: ICRS				
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time (Total)/[Actual Dur.]</b>	<b>Orbit</b>
	1	F814W	(11) SN2016BAU	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=4		Pattern 1, Exps 1-2 in SN2016BAU (10) (1)	780 Secs (780 Secs)	
									[==>390.0 Secs (Pattern 1)]	[1]
									[==>390.0 Secs (Pattern 2)]	
2	F555W	(11) SN2016BAU	WFC3/UVIS, ACCUM, UVIS	F555W	FLASH=4			Pattern 1, Exps 1-2 in SN2016BAU (10) (1)	710 Secs (710 Secs)	
									[==>390.0 Secs (Pattern 1)]	[1]
									[==>320.0 Secs (Pattern 2)]	



Proposal 14668 - SN2016BKV (11) - Continuing a Snapshot Survey of the Sites of Recent, Nearby Supernovae: Cycle 24

Tue Feb 07 02:04:17 GMT 2017

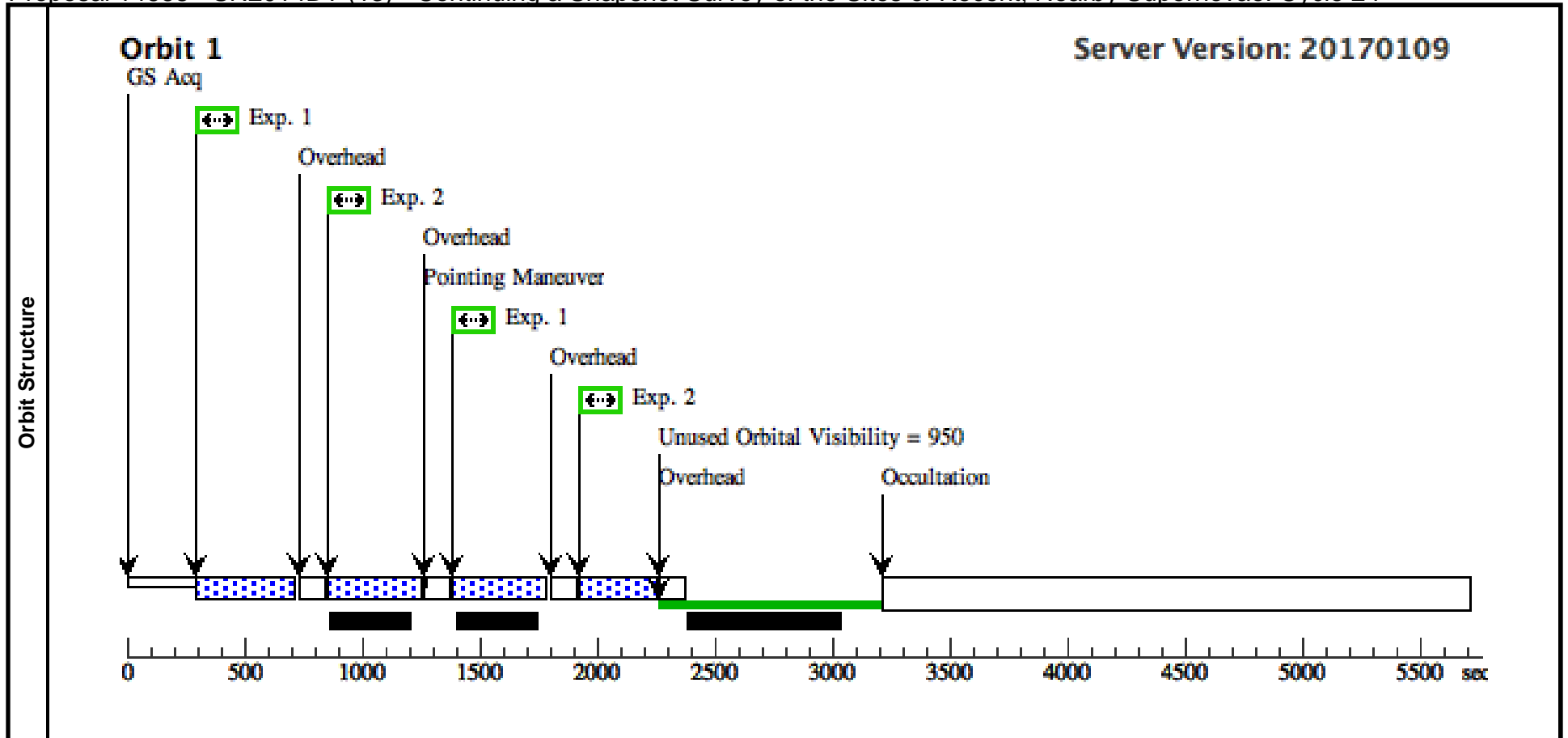
Visit	Proposal 14668, SN2016BKV (11), scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(12)	SN2016BKV	RA: 10 18 19.0000 (154.5791667d) Dec: +41 25 39.30 (41.42758d) Equinox: J2000		V=25.0	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F814W	(12) SN2016BKV	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=4		Pattern 1, Exps 1-2 in SN2016BKV (11) (1)	780 Secs (780 Secs) [=>390.0 Secs (Pattern 1)] [=>390.0 Secs (Pattern 2)]	[1]
	2	F555W	(12) SN2016BKV	WFC3/UVIS, ACCUM, UVIS	F555W	FLASH=4		Pattern 1, Exps 1-2 in SN2016BKV (11) (1)	710 Secs (710 Secs) [=>390.0 Secs (Pattern 1)] [=>320.0 Secs (Pattern 2)]	[1]



Proposal 14668 - SN2014DT (13) - Continuing a Snapshot Survey of the Sites of Recent, Nearby Supernovae: Cycle 24

Tue Feb 07 02:04:17 GMT 2017

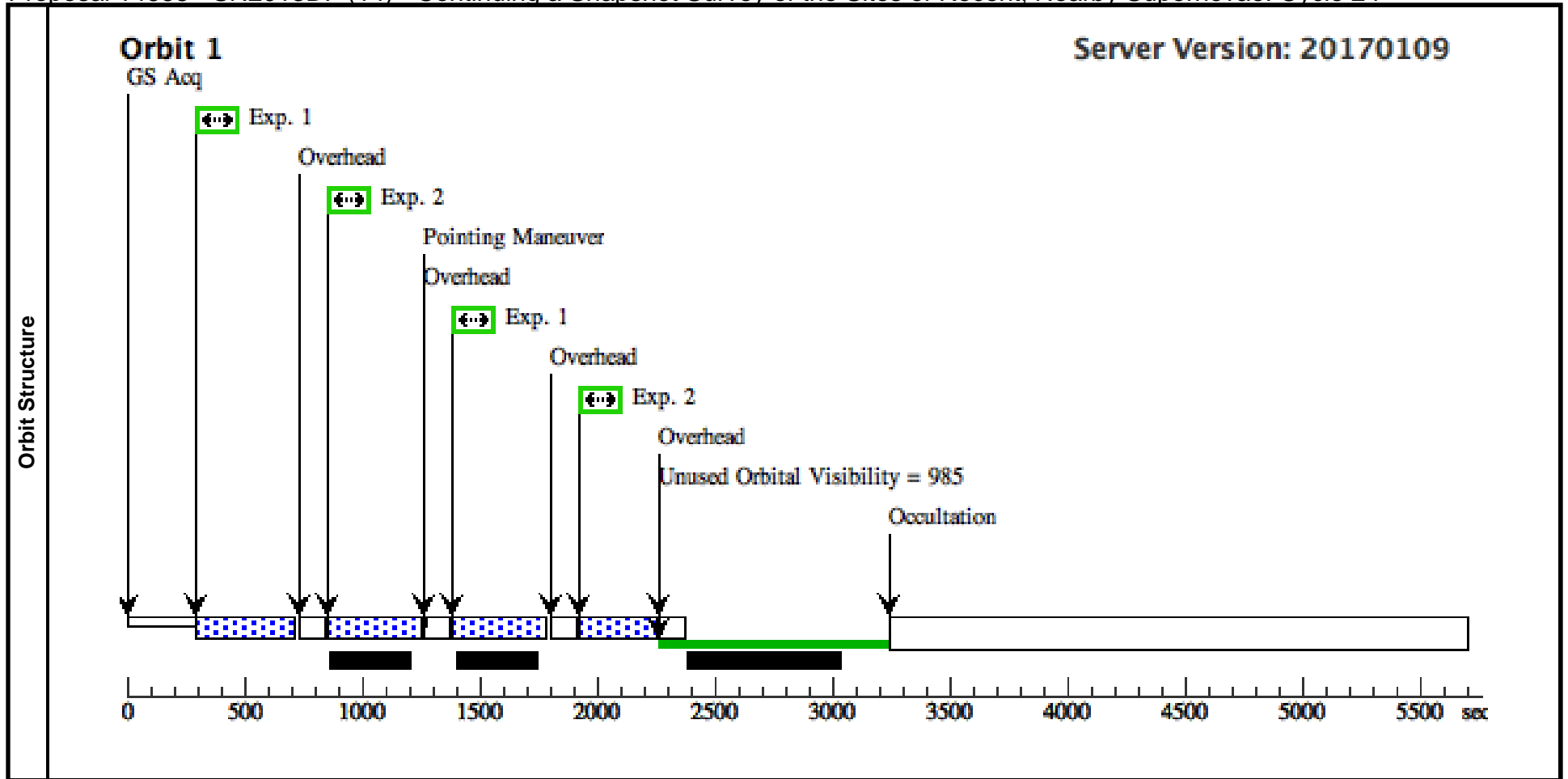
Visit	Proposal 14668, SN2014DT (13), scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(14)	SN2014DT	RA: 12 21 58.0000 (185.4916667d) Dec: +04 28 18.50 (4.47181d) Equinox: J2000		V=25.0	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F814W	(14) SN2014DT	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=4		Pattern 1, Exps 1-2 in SN2014DT (13) (1)	780 Secs (780 Secs)	
									[==>390.0 Secs (Pattern 1)]	[1]
	2	F555W	(14) SN2014DT	WFC3/UVIS, ACCUM, UVIS	F555W	FLASH=4		Pattern 1, Exps 1-2 in SN2014DT (13) (1)	710 Secs (710 Secs)	
									[==>390.0 Secs (Pattern 1)]	[1]
									[==>320.0 Secs (Pattern 2)]	



Proposal 14668 - SN2013DF (14) - Continuing a Snapshot Survey of the Sites of Recent, Nearby Supernovae: Cycle 24

Tue Feb 07 02:04:17 GMT 2017

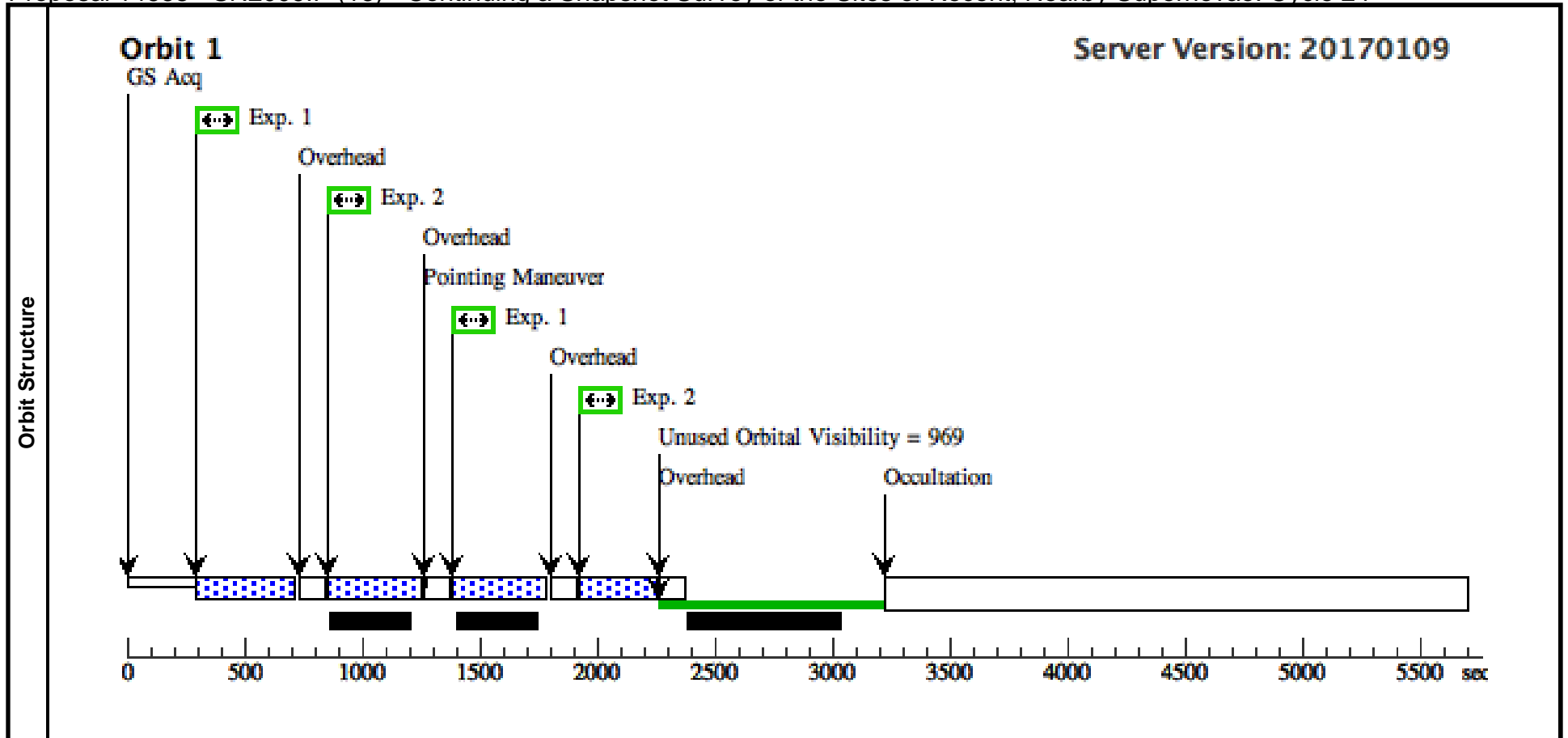
Visit	<b>Proposal 14668, SN2013DF (14), scheduling</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(15)	SN2013DF	RA: 12 26 29.0000 (186.6208333d) Dec: +31 13 38.30 (31.22731d) Equinox: J2000		V=25.0	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F814W	(15) SN2013DF	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=4		Pattern 1, Exps 1-2 in SN2013DF (14) (1)	780 Secs (780 Secs)	
									[==>390.0 Secs (Pattern 1)]	[1]
	2	F555W	(15) SN2013DF	WFC3/UVIS, ACCUM, UVIS	F555W	FLASH=4		Pattern 1, Exps 1-2 in SN2013DF (14) (1)	710 Secs (710 Secs)	
									[==>390.0 Secs (Pattern 1)]	[1]
									[==>320.0 Secs (Pattern 2)]	



Proposal 14668 - SN2009IP (16) - Continuing a Snapshot Survey of the Sites of Recent, Nearby Supernovae: Cycle 24

Tue Feb 07 02:04:17 GMT 2017

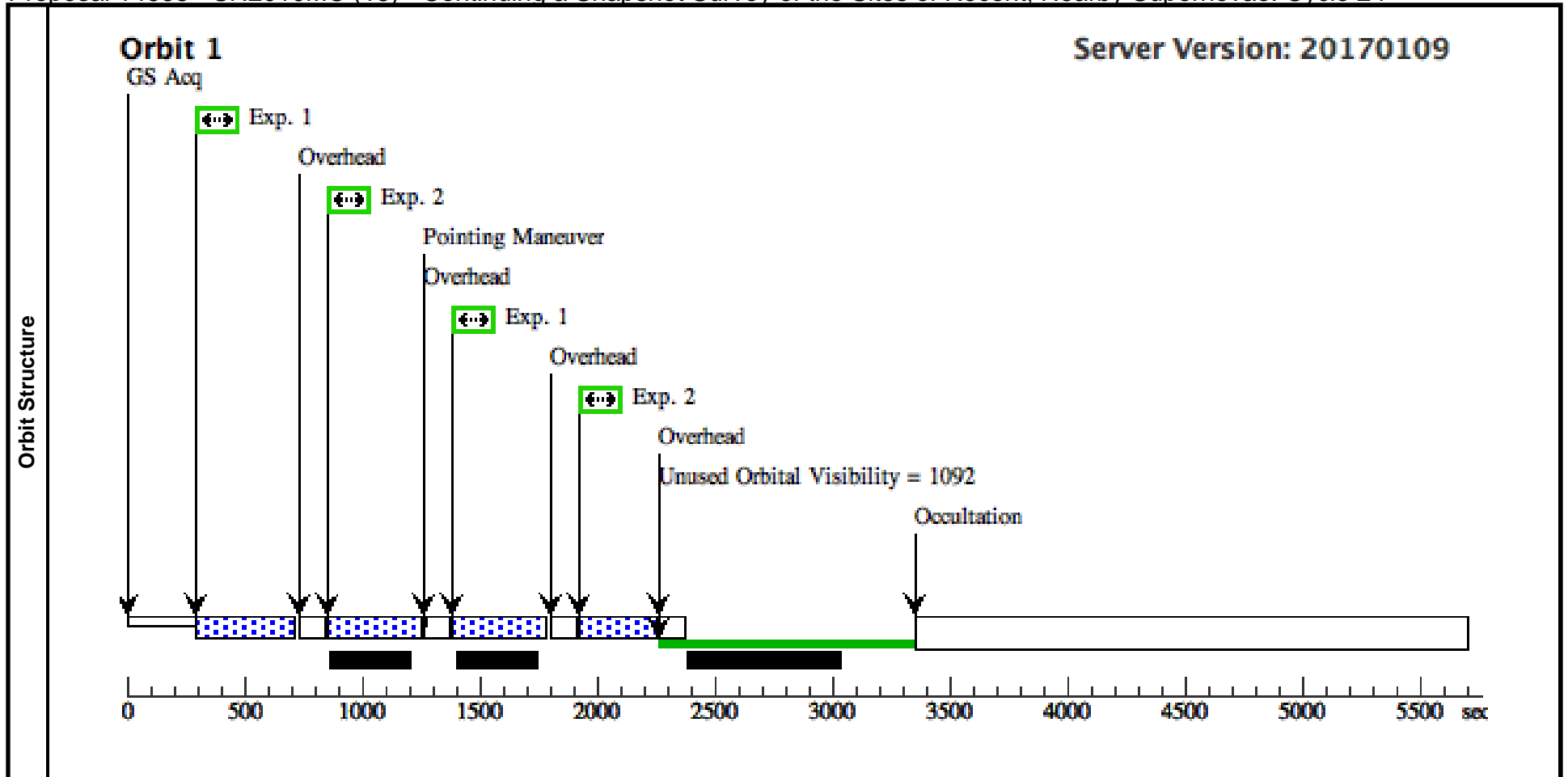
Visit	<b>Proposal 14668, SN2009IP (16), scheduling</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(17)	SN2009IP	RA: 22 23 8.0000 (335.7833333d) Dec: -28 56 52.40 (-28.94789d) Equinox: J2000		V=25.0	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F814W	(17) SN2009IP	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=4		Pattern 1, Exps 1-2 in SN2009IP (16) (1)	780 Secs (780 Secs)	
									[==>390.0 Secs (Pattern 1)] [==>390.0 Secs (Pattern 2)]	[1]
2	F555W	(17) SN2009IP	WFC3/UVIS, ACCUM, UVIS	F555W	FLASH=4			Pattern 1, Exps 1-2 in SN2009IP (16) (1)	710 Secs (710 Secs)	
									[==>390.0 Secs (Pattern 1)] [==>320.0 Secs (Pattern 2)]	[1]



Proposal 14668 - SN2010MC (18) - Continuing a Snapshot Survey of the Sites of Recent, Nearby Supernovae: Cycle 24

Tue Feb 07 02:04:17 GMT 2017

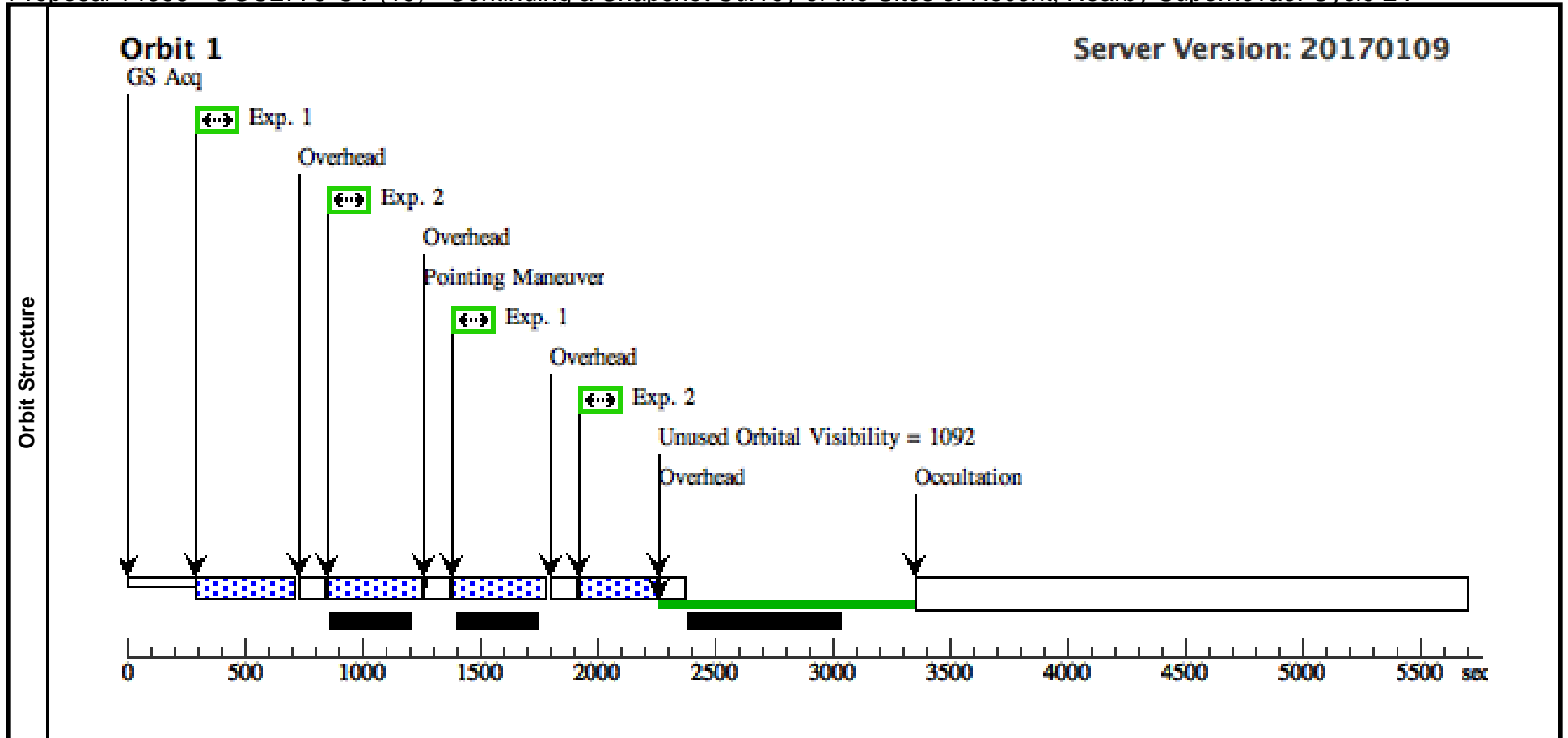
Visit	<b>Proposal 14668, SN2010MC (18), scheduling</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(19)	SN2010MC	RA: 17 21 31.0000 (260.3791667d) Dec: +48 07 47.40 (48.12983d) Equinox: J2000		V=25.0	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F814W	(19) SN2010MC	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=4		Pattern 1, Exps 1-2 in SN2010MC (18) (1)	780 Secs (780 Secs) [==>390.0 Secs (Pattern 1)] [==>390.0 Secs (Pattern 2)]	[1]
	2	F555W	(19) SN2010MC	WFC3/UVIS, ACCUM, UVIS	F555W	FLASH=4		Pattern 1, Exps 1-2 in SN2010MC (18) (1)	710 Secs (710 Secs) [==>390.0 Secs (Pattern 1)] [==>320.0 Secs (Pattern 2)]	[1]



Proposal 14668 - UGC2773-OT (19) - Continuing a Snapshot Survey of the Sites of Recent, Nearby Supernovae: Cycle 24

Tue Feb 07 02:04:17 GMT 2017

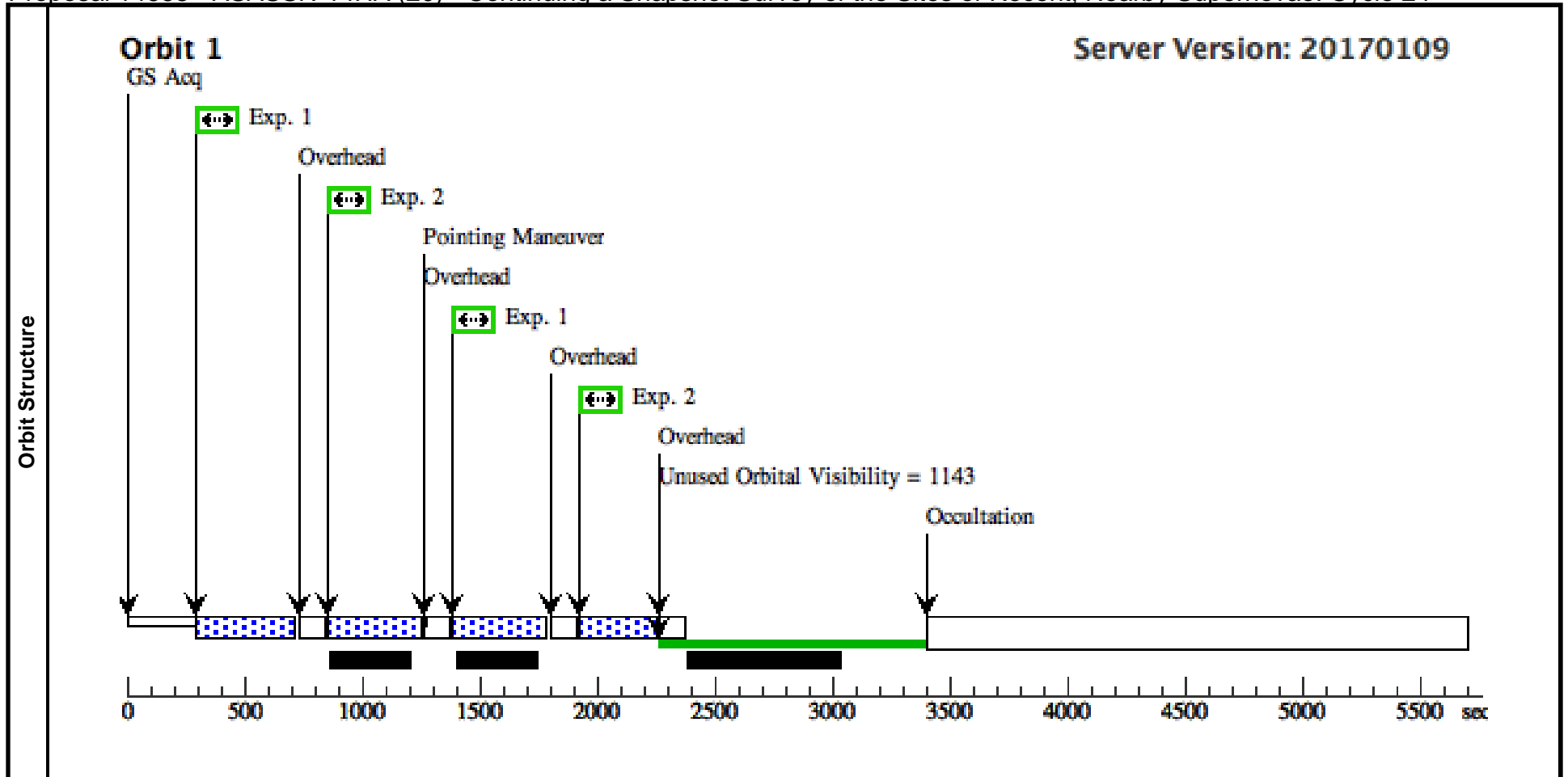
Visit	<b>Proposal 14668, UGC2773-OT (19), completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(20)	UGC2773-OT	RA: 03 32 7.0000 (53.0291667d) Dec: +47 47 39.60 (47.79433d) Equinox: J2000		V=25.0	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F814W	(20) UGC2773-OT	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=4		Pattern 1, Exps 1-2 in UGC2773-OT (19) (1)	780 Secs (780 Secs) [==>390.0 Secs (Pattern 1)] [==>390.0 Secs (Pattern 2)]	[1]
	2	F555W	(20) UGC2773-OT	WFC3/UVIS, ACCUM, UVIS	F555W	FLASH=4		Pattern 1, Exps 1-2 in UGC2773-OT (19) (1)	710 Secs (710 Secs) [==>390.0 Secs (Pattern 1)] [==>320.0 Secs (Pattern 2)]	[1]



Proposal 14668 - ASASSN-14HA (20) - Continuing a Snapshot Survey of the Sites of Recent, Nearby Supernovae: Cycle 24

Tue Feb 07 02:04:17 GMT 2017

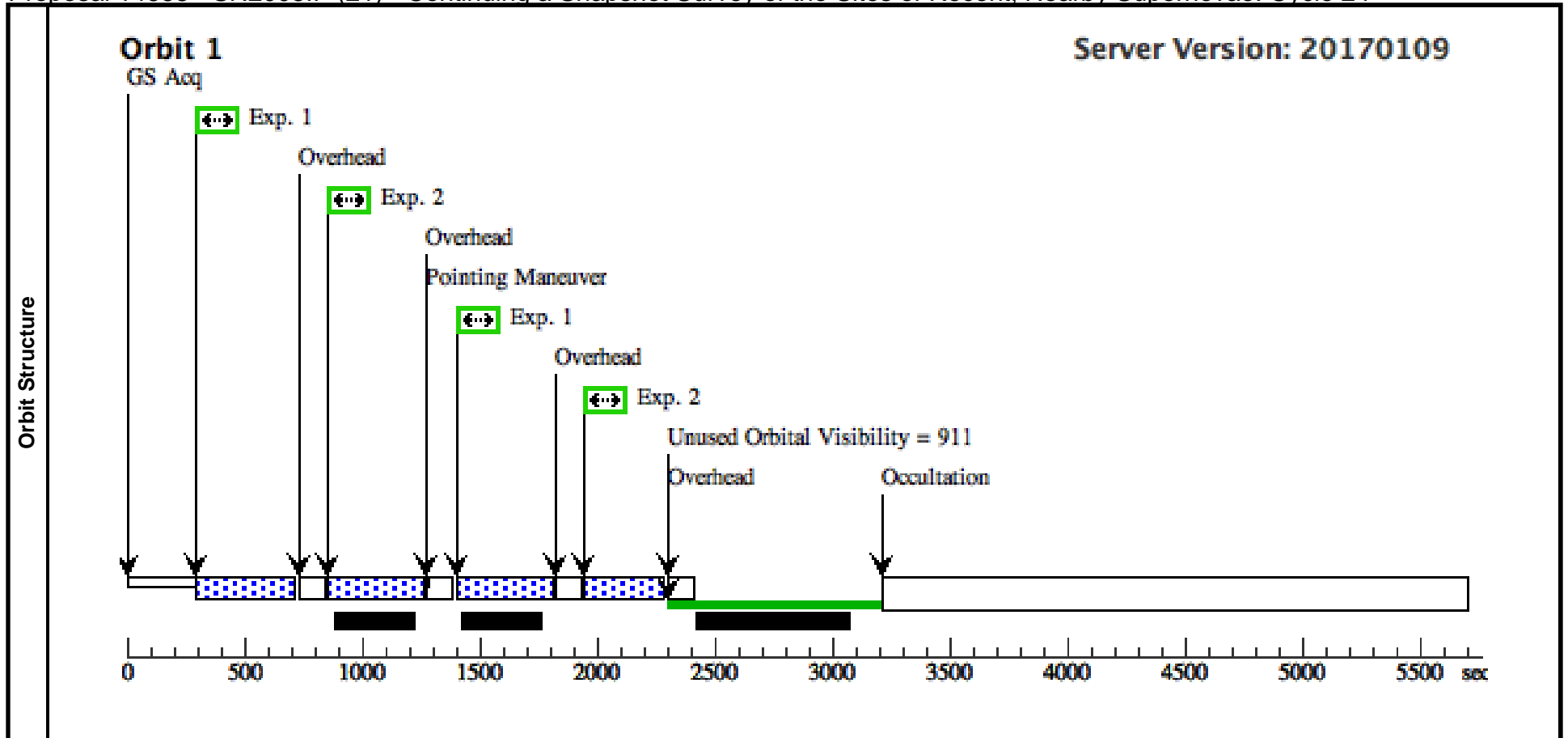
<b>Visit</b>	Proposal 14668, ASASSN-14HA (20), scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	<b>Patterns</b>	#	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			<b>Exposures</b>
(1)		Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false			(1-2)	
<b>Fixed Targets</b>	#	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>	<b>Miscellaneous</b>		
	(44)	ASASSN-14HA	RA: 04 20 1.0000 (65.0041667d) Dec: -54 56 17.00 (-54.93806d) Equinox: J2000				V=25	Reference Frame: ICRS		
<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 (Total)/[Actual Dur.]</b>	<b>Orbit</b>
	1	F814W	(44) ASASSN-14HA	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=4		Pattern 1, Exps 1-2 in ASASSN-14HA (20) (1)	780 Secs (780 Secs) [=>390.0 Secs (Pattern 1)] [=>390.0 Secs (Pattern 2)]	[1]
	2	F555W	(44) ASASSN-14HA	WFC3/UVIS, ACCUM, UVIS	F555W	FLASH=4		Pattern 1, Exps 1-2 in ASASSN-14HA (20) (1)	710 Secs (710 Secs) [=>390.0 Secs (Pattern 1)] [=>320.0 Secs (Pattern 2)]	[1]



Proposal 14668 - SN2005IP (21) - Continuing a Snapshot Survey of the Sites of Recent, Nearby Supernovae: Cycle 24

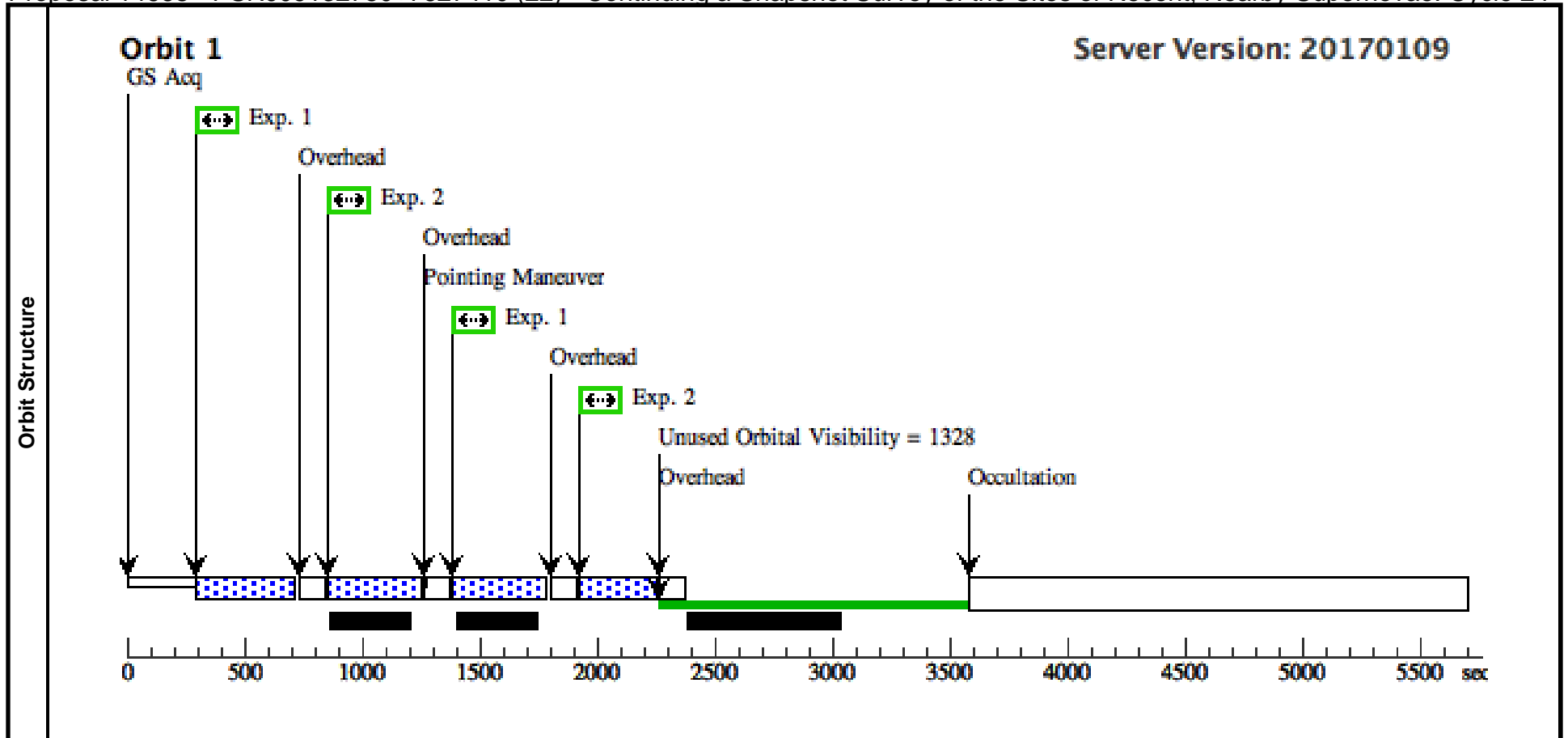
Tue Feb 07 02:04:17 GMT 2017

Visit	<b>Proposal 14668, SN2005IP (21), completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(22)	SN2005IP	RA: 09 32 6.0000 (143.0250000d) Dec: +08 26 44.40 (8.44567d) Equinox: J2000		V=25.0	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F814W	(22) SN2005IP	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=4		Pattern 1, Exps 1-2 in SN2005IP (21) (1)	780 Secs (780 Secs)	
									[==>390.0 Secs (Pattern 1)] [==>390.0 Secs (Pattern 2)]	[1]
2	F336W	(22) SN2005IP	WFC3/UVIS, ACCUM, UVIS	F336W	FLASH=12			Pattern 1, Exps 1-2 in SN2005IP (21) (1)	710 Secs (710 Secs)	
									[==>390.0 Secs (Pattern 1)] [==>320.0 Secs (Pattern 2)]	[1]



Proposal 14668 - PSNJ09132750+7627410 (22) - Continuing a Snapshot Survey of the Sites of Recent, Nearby Supernovae: Cycle 24

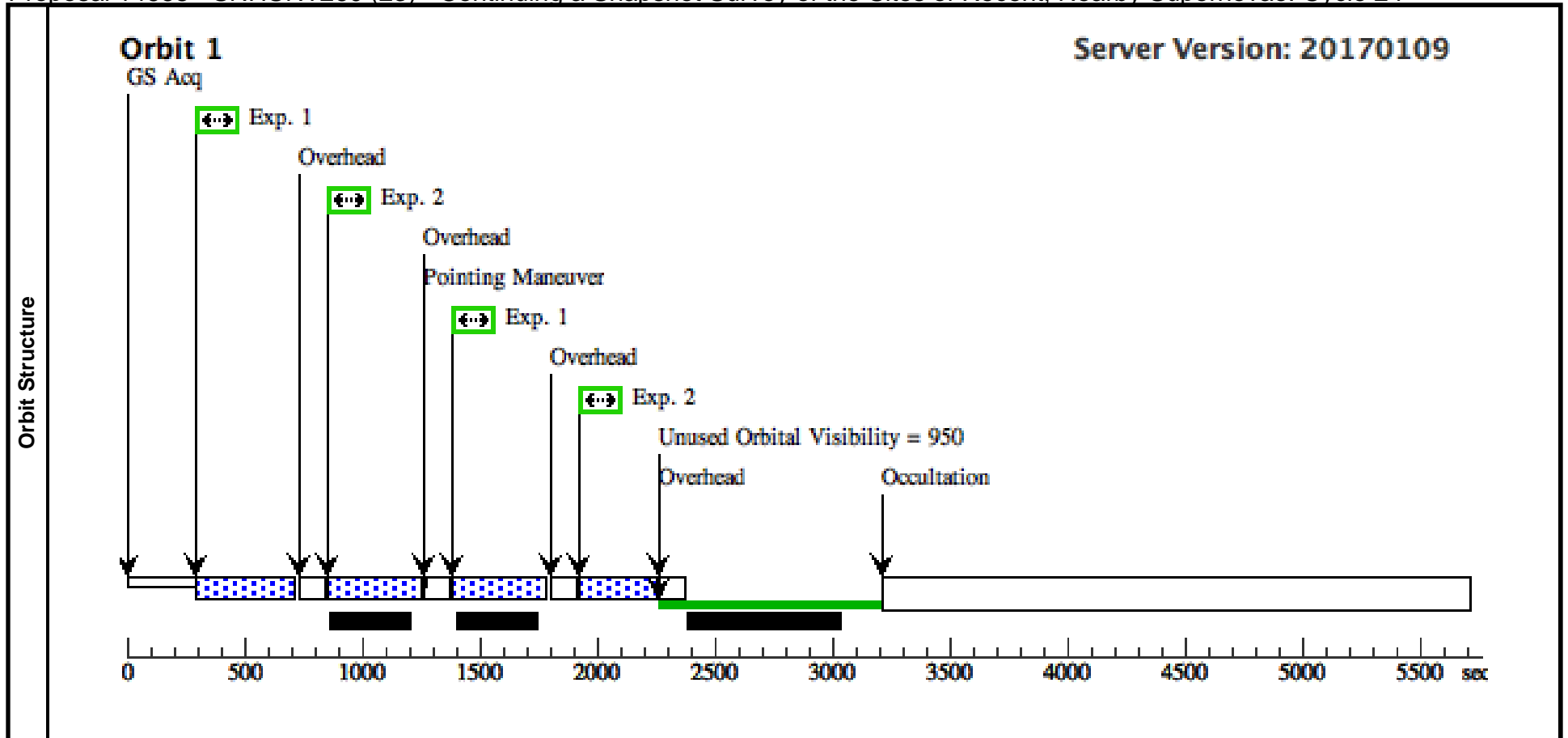
Visit	Proposal 14668, PSNJ09132750+7627410 (22), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)						Tue Feb 07 02:04:17 GMT 2017			
Patterns	#	Primary Pattern	Secondary Pattern	Exposures						
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(23)	PSNJ09132750+7627410	RA: 09 13 28.0000 (138.3666667d) Dec: +76 27 41.00 (76.46139d) Equinox: J2000		V=25.0	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F814W	(23) PSNJ09132750+7627410	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=4		Pattern 1, Exps 1-2 in PSNJ09132750+7627410 (22) (1)	780 Secs (780 Secs) [==>390.0 Secs (Pattern 1)] [==>390.0 Secs (Pattern 2)]	[1]
	2	F555W	(23) PSNJ09132750+7627410	WFC3/UVIS, ACCUM, UVIS	F555W	FLASH=4		Pattern 1, Exps 1-2 in PSNJ09132750+7627410 (22) (1)	710 Secs (710 Secs) [==>390.0 Secs (Pattern 1)] [==>320.0 Secs (Pattern 2)]	[1]



Proposal 14668 - SNHUNT260 (23) - Continuing a Snapshot Survey of the Sites of Recent, Nearby Supernovae: Cycle 24

Tue Feb 07 02:04:17 GMT 2017

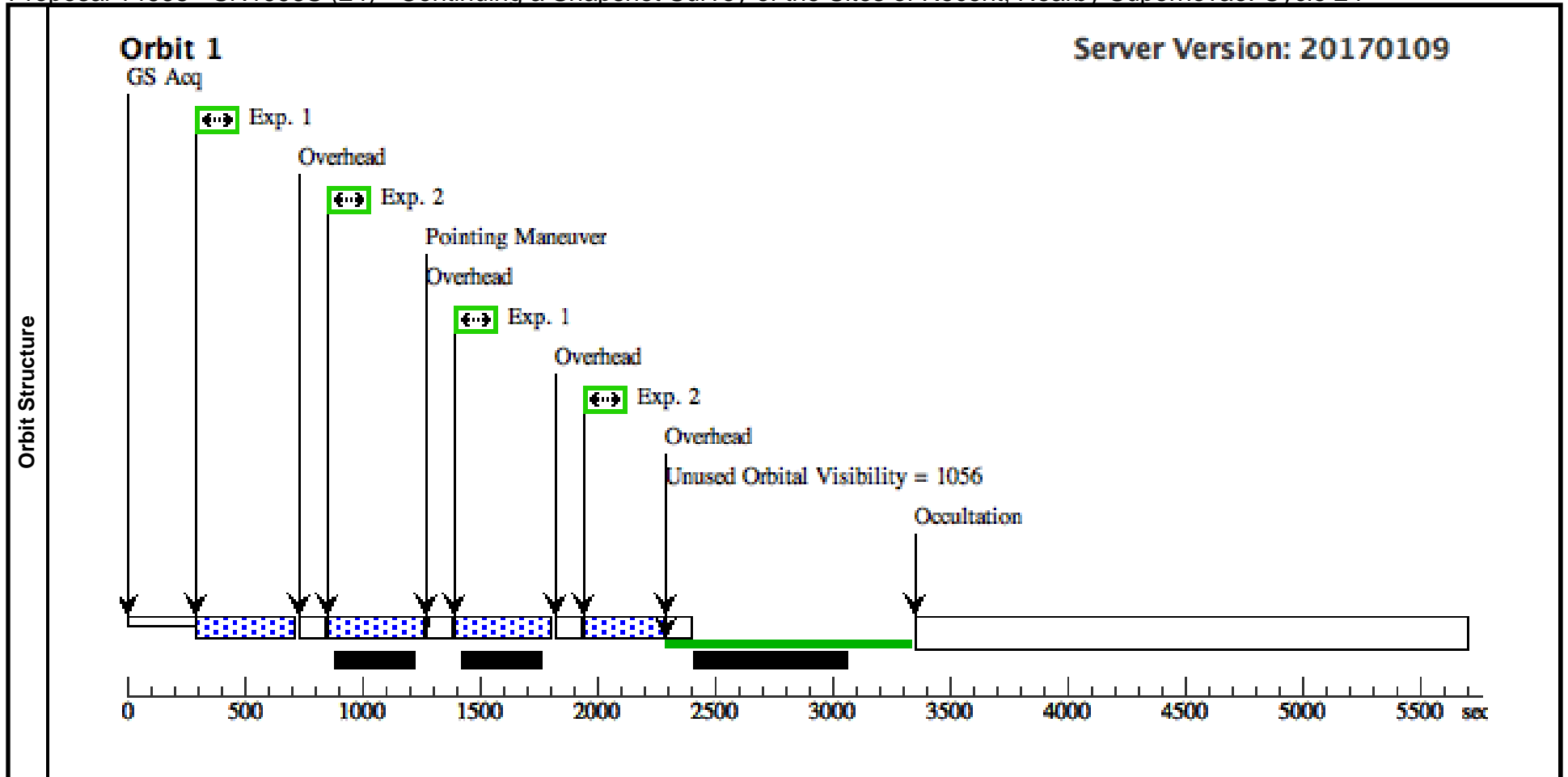
Visit	<b>Proposal 14668, SNHUNT260 (23), scheduling</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(24)	SNHUNT260	RA: 00 39 35.0000 (9.8958333d) Dec: +00 51 17.60 (.85489d) Equinox: J2000		V=25.0	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F814W	(24) SNHUNT260	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=4		Pattern 1, Exps 1-2 in SNHUNT260 (23) (1)	780 Secs (780 Secs) [=>390.0 Secs (Pattern 1)] [=>390.0 Secs (Pattern 2)]	[1]
	2	F555W	(24) SNHUNT260	WFC3/UVIS, ACCUM, UVIS	F555W	FLASH=4		Pattern 1, Exps 1-2 in SNHUNT260 (23) (1)	710 Secs (710 Secs) [=>390.0 Secs (Pattern 1)] [=>320.0 Secs (Pattern 2)]	[1]



Proposal 14668 - SN1998S (24) - Continuing a Snapshot Survey of the Sites of Recent, Nearby Supernovae: Cycle 24

Tue Feb 07 02:04:17 GMT 2017

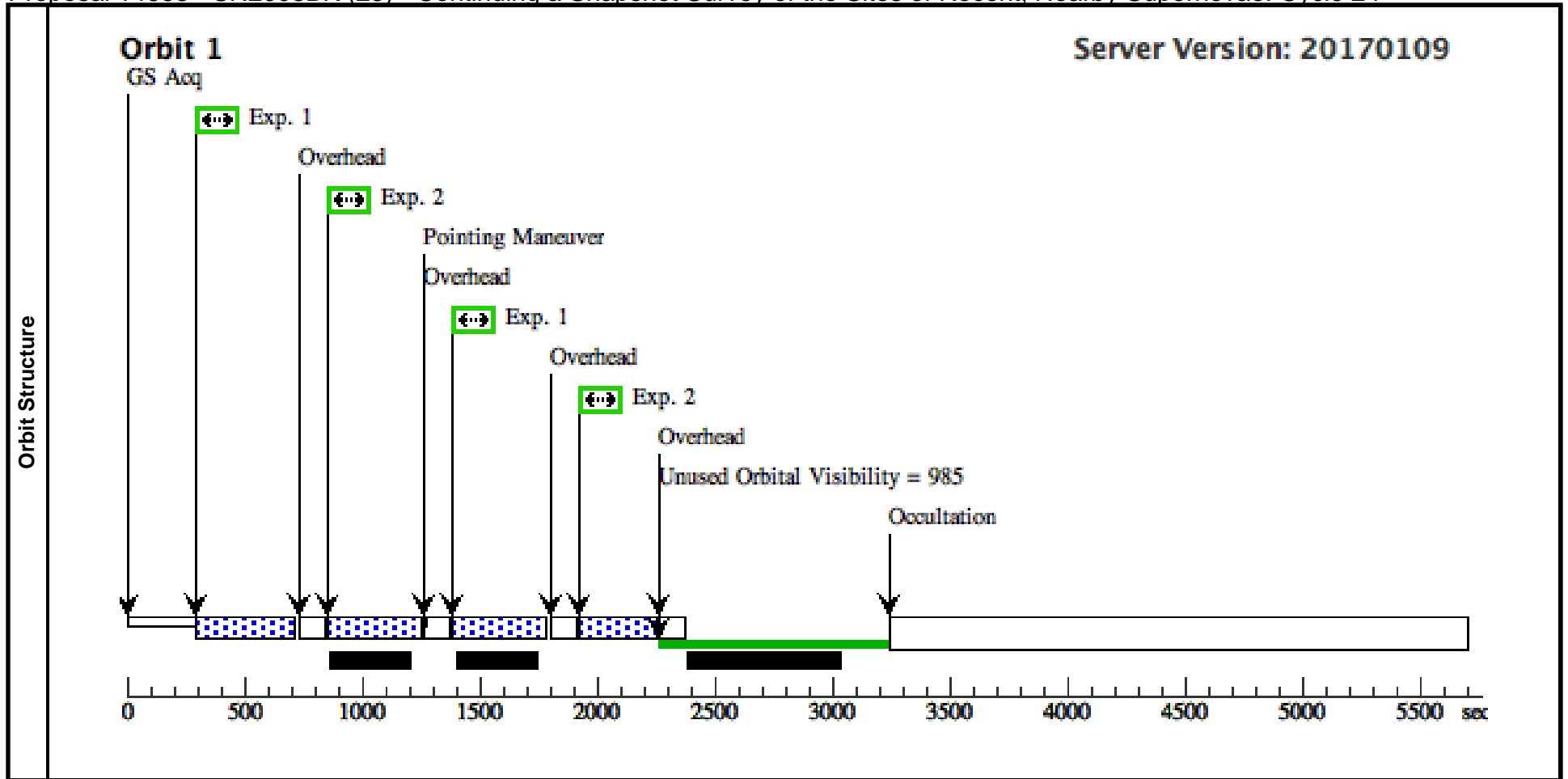
Visit	<b>Proposal 14668, SN1998S (24), completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(25)	SN1998S	RA: 11 46 6.1000 (176.5254167d) Dec: +47 28 55.00 (47.48194d) Equinox: J2000		V=25.0	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F625W	(25) SN1998S	WFC3/UVIS, ACCUM, UVIS	F625W	FLASH=4		Pattern 1, Exps 1-2 in SN1998S (24) (1)	780 Secs (780 Secs)	
									[==>390.0 Secs (Pattern 1)] [==>390.0 Secs (Pattern 2)]	[1]
2	F555W	(25) SN1998S	WFC3/UVIS, ACCUM, UVIS	F555W	FLASH=4		Pattern 1, Exps 1-2 in SN1998S (24) (1)	710 Secs (710 Secs)		
								[==>390.0 Secs (Pattern 1)] [==>320.0 Secs (Pattern 2)]	[1]	



Proposal 14668 - SN2008BK (25) - Continuing a Snapshot Survey of the Sites of Recent, Nearby Supernovae: Cycle 24

Tue Feb 07 02:04:17 GMT 2017

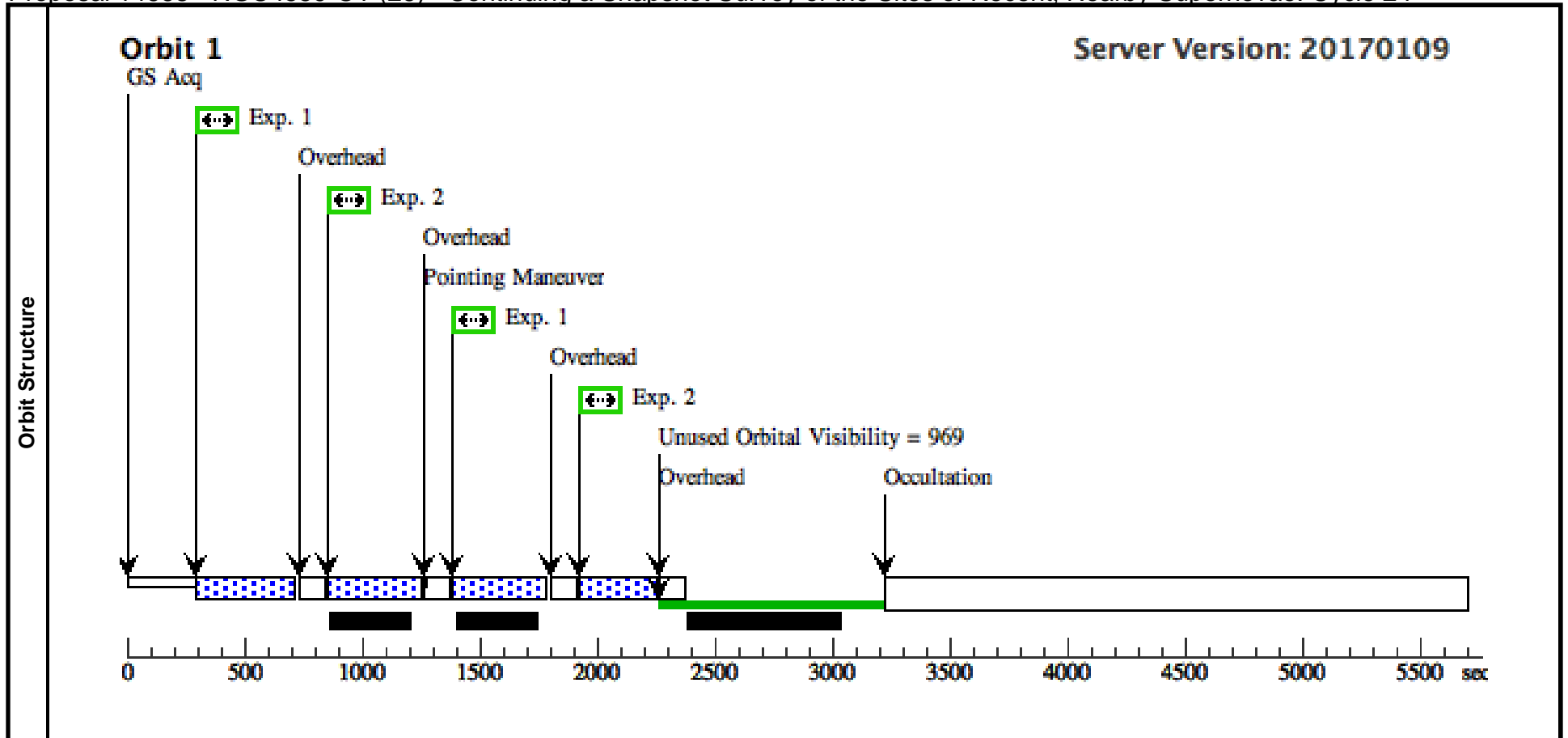
Visit	Proposal 14668, SN2008BK (25), scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(26)	SN2008BK	RA: 23 57 50.4000 (359.4600000d) Dec: -32 33 21.00 (-32.55583d) Equinox: J2000		V=25.0	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F814W	(26) SN2008BK	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=4		Pattern 1, Exps 1-2 in SN2008BK (25) (1)	780 Secs (780 Secs) [==>390.0 Secs (Pattern 1)] [==>390.0 Secs (Pattern 2)]	[1]
	2	F555W	(26) SN2008BK	WFC3/UVIS, ACCUM, UVIS	F555W	FLASH=4		Pattern 1, Exps 1-2 in SN2008BK (25) (1)	710 Secs (710 Secs) [==>390.0 Secs (Pattern 1)] [==>320.0 Secs (Pattern 2)]	[1]



Proposal 14668 - NGC4559-OT (26) - Continuing a Snapshot Survey of the Sites of Recent, Nearby Supernovae: Cycle 24

Tue Feb 07 02:04:17 GMT 2017

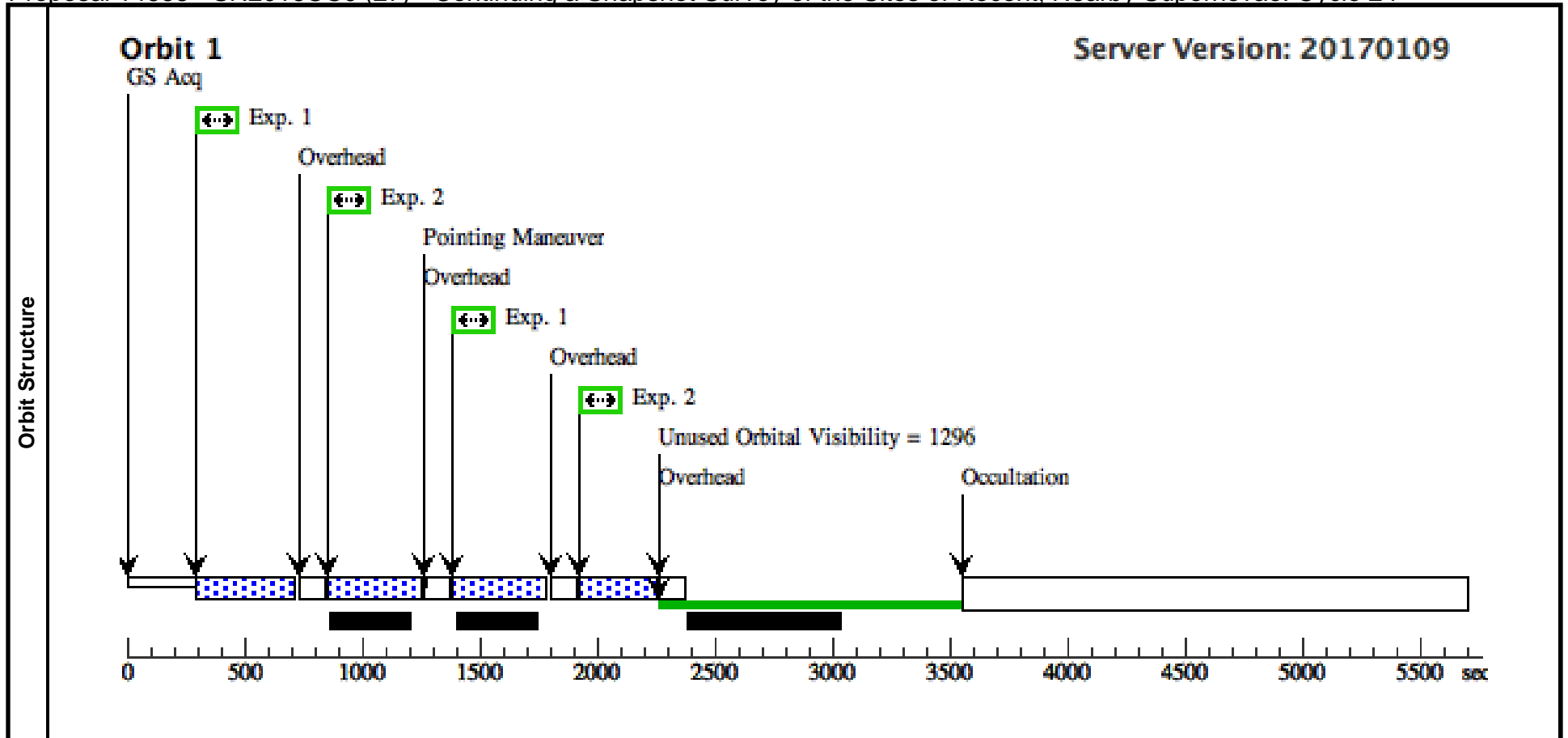
<b>Visit</b>	Proposal 14668, NGC4559-OT (26), scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	<b>Patterns</b>	#	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			<b>Exposures</b>
(1)		Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false					(1-2)	
<b>Fixed Targets</b>	#	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>	<b>Miscellaneous</b>		
	(27)	NGC4559-OT	RA: 12 35 52.0000 (188.9666667d) Dec: +27 55 55.90 (27.93219d) Equinox: J2000				V=25.0	Reference Frame: ICRS		
<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 (Total)/[Actual Dur.]</b>	<b>Orbit</b>
	1	F814W	(27) NGC4559-OT	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=4		Pattern 1, Exps 1-2 in NGC4559-OT (26) (1)	780 Secs (780 Secs) [==>390.0 Secs (Pattern 1)] [==>390.0 Secs (Pattern 2)]	[1]
	2	F555W	(27) NGC4559-OT	WFC3/UVIS, ACCUM, UVIS	F555W	FLASH=4		Pattern 1, Exps 1-2 in NGC4559-OT (26) (1)	710 Secs (710 Secs) [==>390.0 Secs (Pattern 1)] [==>320.0 Secs (Pattern 2)]	[1]



Proposal 14668 - SN2016COJ (27) - Continuing a Snapshot Survey of the Sites of Recent, Nearby Supernovae: Cycle 24

Tue Feb 07 02:04:17 GMT 2017

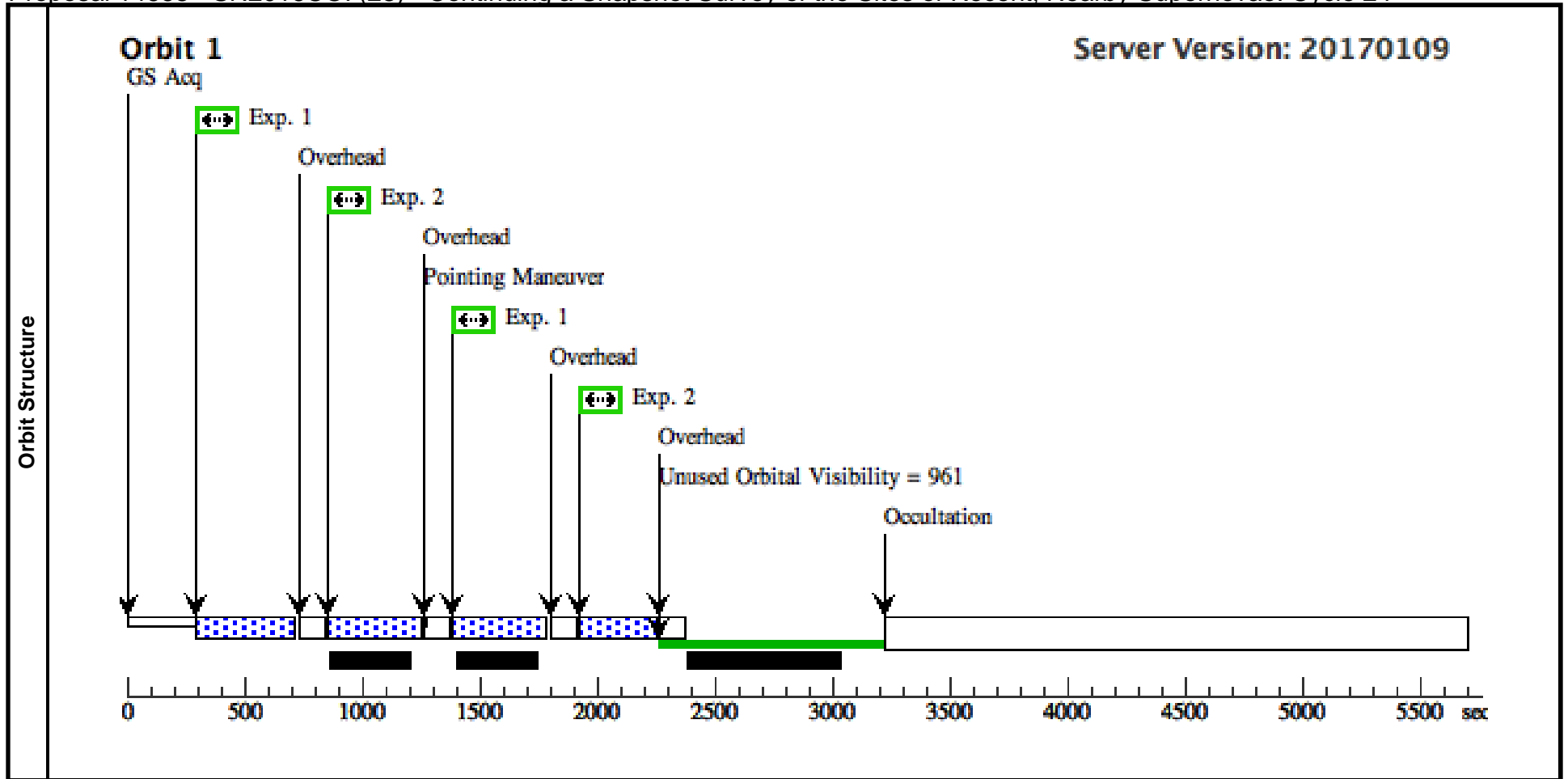
Visit	Proposal 14668, SN2016COJ (27), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(28)	SN2016COJ	RA: 12 08 6.8000 (182.0283333d) Dec: +65 10 38.24 (65.17729d) Equinox: J2000		V=25.0	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F814W	(28) SN2016COJ	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=4		Pattern 1, Exps 1-2 in SN2016COJ (27) (1)	780 Secs (780 Secs) [==>390.0 Secs (Pattern 1)] [==>390.0 Secs (Pattern 2)]	[1]
	2	F555W	(28) SN2016COJ	WFC3/UVIS, ACCUM, UVIS	F555W	FLASH=4		Pattern 1, Exps 1-2 in SN2016COJ (27) (1)	710 Secs (710 Secs) [==>390.0 Secs (Pattern 1)] [==>320.0 Secs (Pattern 2)]	[1]



Proposal 14668 - SN2016COI (28) - Continuing a Snapshot Survey of the Sites of Recent, Nearby Supernovae: Cycle 24

Tue Feb 07 02:04:17 GMT 2017

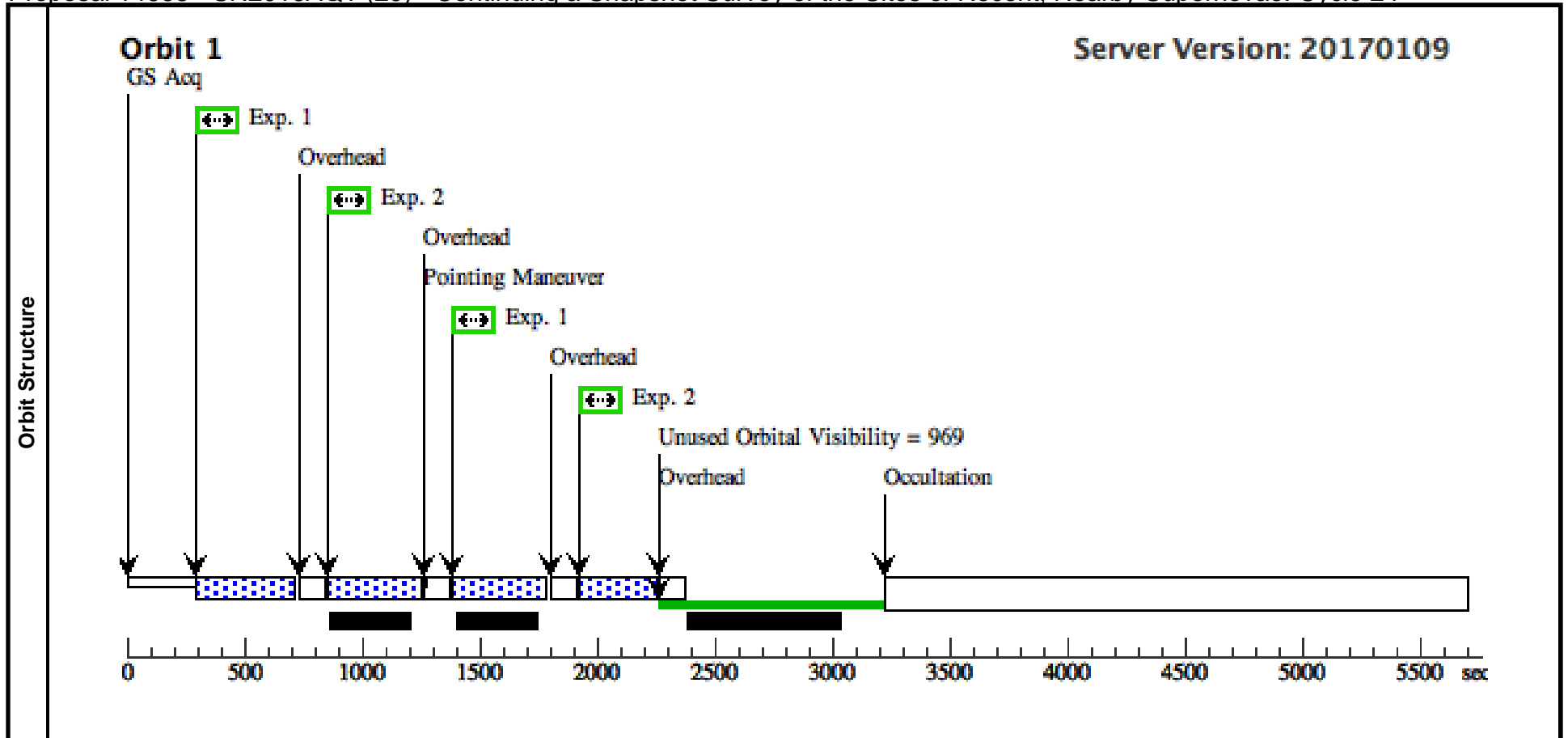
Visit	<b>Proposal 14668, SN2016COI (28), completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(29)	SN2016COI	RA: 21 59 4.1400 (329.7672500d) Dec: +18 11 10.46 (18.18624d) Equinox: J2000		V=25.0	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F814W	(29) SN2016COI	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=4		Pattern 1, Exps 1-2 in SN2016COI (28) (1)	780 Secs (780 Secs) [==>390.0 Secs (Pattern 1)] [==>390.0 Secs (Pattern 2)]	[1]
	2	F555W	(29) SN2016COI	WFC3/UVIS, ACCUM, UVIS	F555W	FLASH=4		Pattern 1, Exps 1-2 in SN2016COI (28) (1)	710 Secs (710 Secs) [==>390.0 Secs (Pattern 1)] [==>320.0 Secs (Pattern 2)]	[1]



Proposal 14668 - SN2016AQT (29) - Continuing a Snapshot Survey of the Sites of Recent, Nearby Supernovae: Cycle 24

Tue Feb 07 02:04:17 GMT 2017

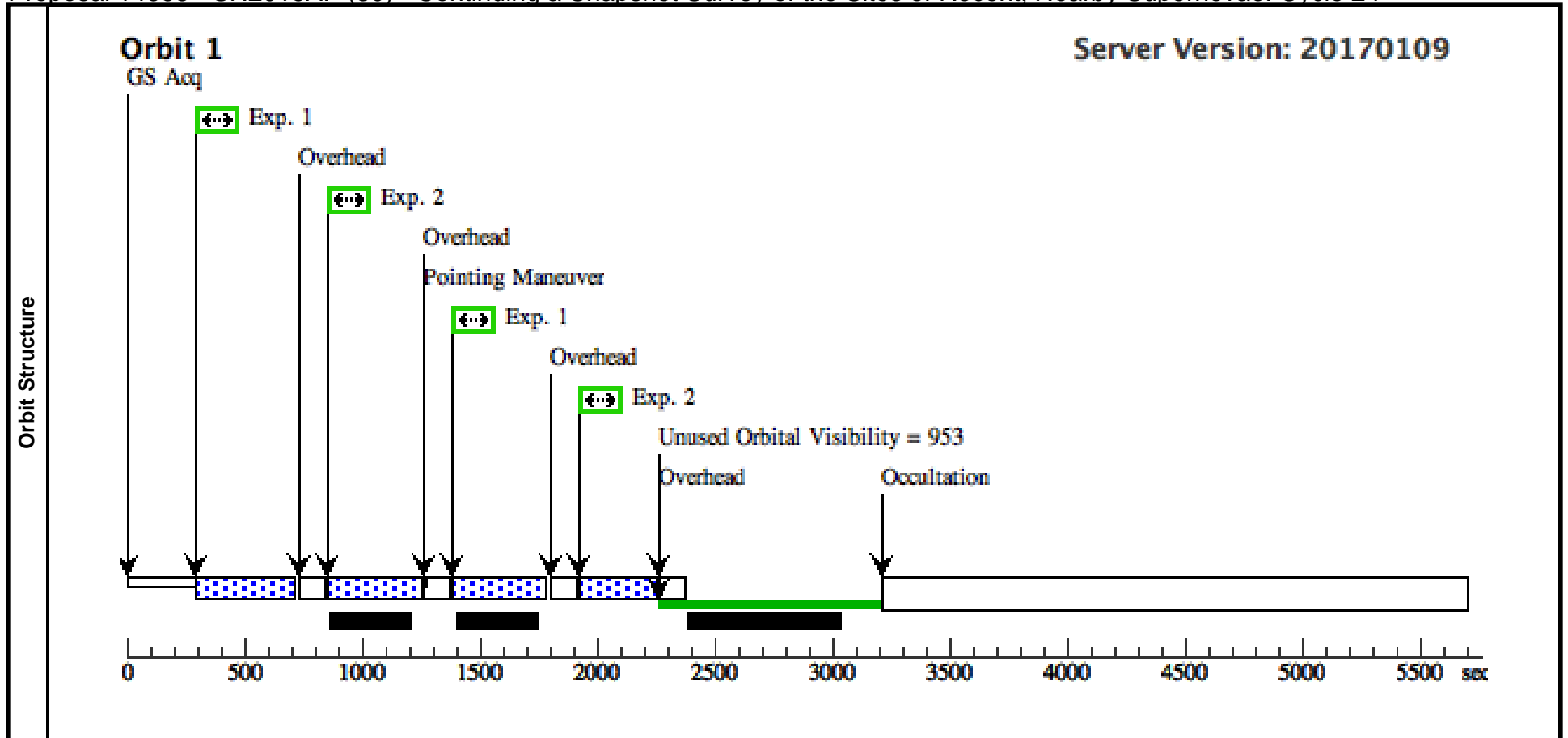
<b>Visit</b>	Proposal 14668, SN2016AQT (29), scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	<b>Patterns</b>		<b>Primary Pattern</b>		<b>Secondary Pattern</b>					
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false			(1-2)				
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(30)	SN2016AQT	RA: 13 45 51.0000 (206.4625000d) Dec: +26 47 47.40 (26.79650d) Equinox: J2000		V=25.0	Reference Frame: ICRS				
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time (Total)/[Actual Dur.]</b>	<b>Orbit</b>
	1	F814W	(30) SN2016AQT	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=4		Pattern 1, Exps 1-2 in SN2016AQT (29) (1)	780 Secs (780 Secs) [==>390.0 Secs (Pattern 1)] [==>390.0 Secs (Pattern 2)]	[1]
	2	F555W	(30) SN2016AQT	WFC3/UVIS, ACCUM, UVIS	F555W	FLASH=4		Pattern 1, Exps 1-2 in SN2016AQT (29) (1)	710 Secs (710 Secs) [==>390.0 Secs (Pattern 1)] [==>320.0 Secs (Pattern 2)]	[1]



Proposal 14668 - SN2015AP (30) - Continuing a Snapshot Survey of the Sites of Recent, Nearby Supernovae: Cycle 24

Tue Feb 07 02:04:17 GMT 2017

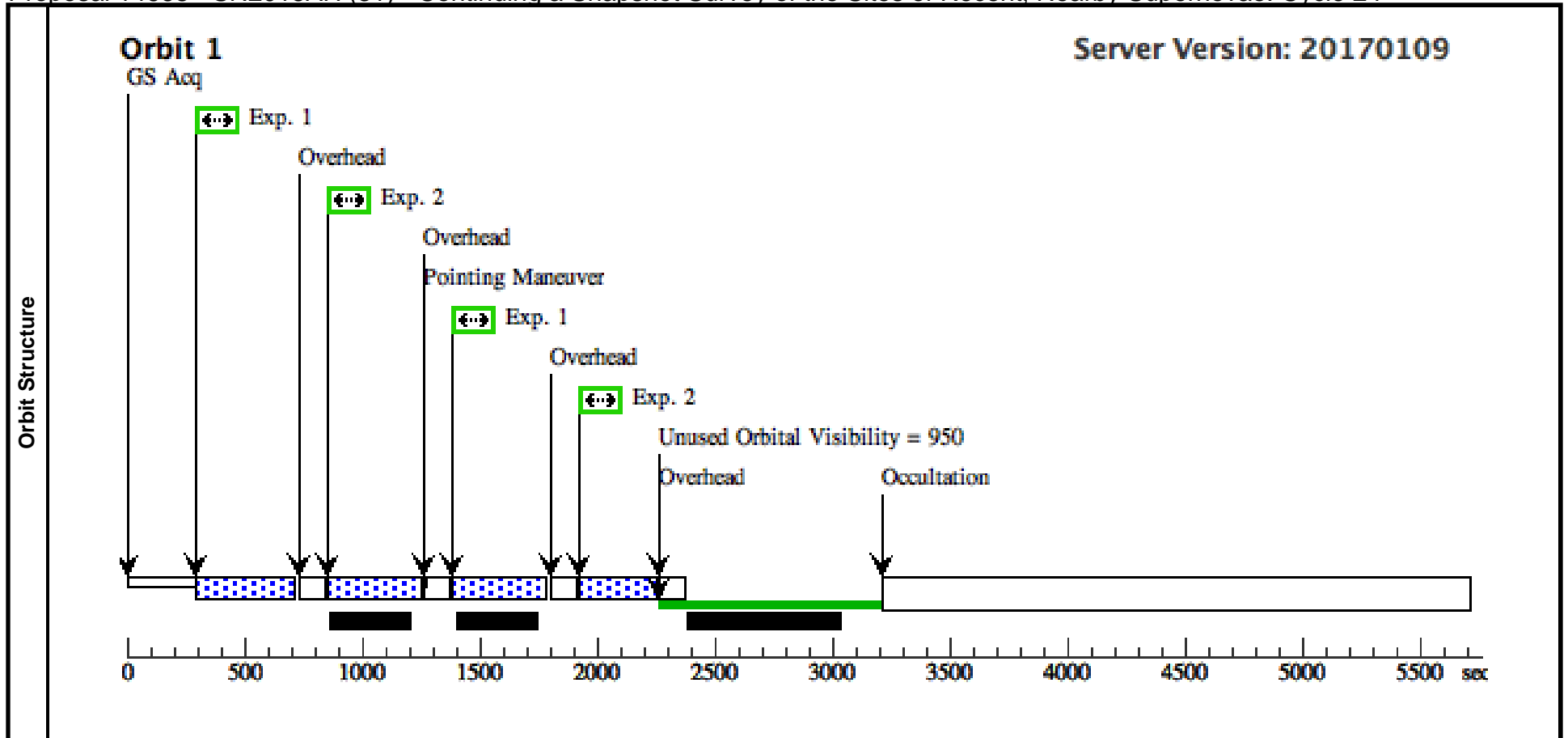
Visit	Proposal 14668, SN2015AP (30), scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(31)	SN2015AP	RA: 02 05 13.3200 (31.3055000d) Dec: +06 06 8.40 (6.10233d) Equinox: J2000		V=25.0	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F814W	(31) SN2015AP	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=4		Pattern 1, Exps 1-2 in SN2015AP (30) (1)	780 Secs (780 Secs) [==>390.0 Secs (Pattern 1)] [==>390.0 Secs (Pattern 2)]	[1]
	2	F555W	(31) SN2015AP	WFC3/UVIS, ACCUM, UVIS	F555W	FLASH=4		Pattern 1, Exps 1-2 in SN2015AP (30) (1)	710 Secs (710 Secs) [==>390.0 Secs (Pattern 1)] [==>320.0 Secs (Pattern 2)]	[1]



Proposal 14668 - SN2015AH (31) - Continuing a Snapshot Survey of the Sites of Recent, Nearby Supernovae: Cycle 24

Tue Feb 07 02:04:17 GMT 2017

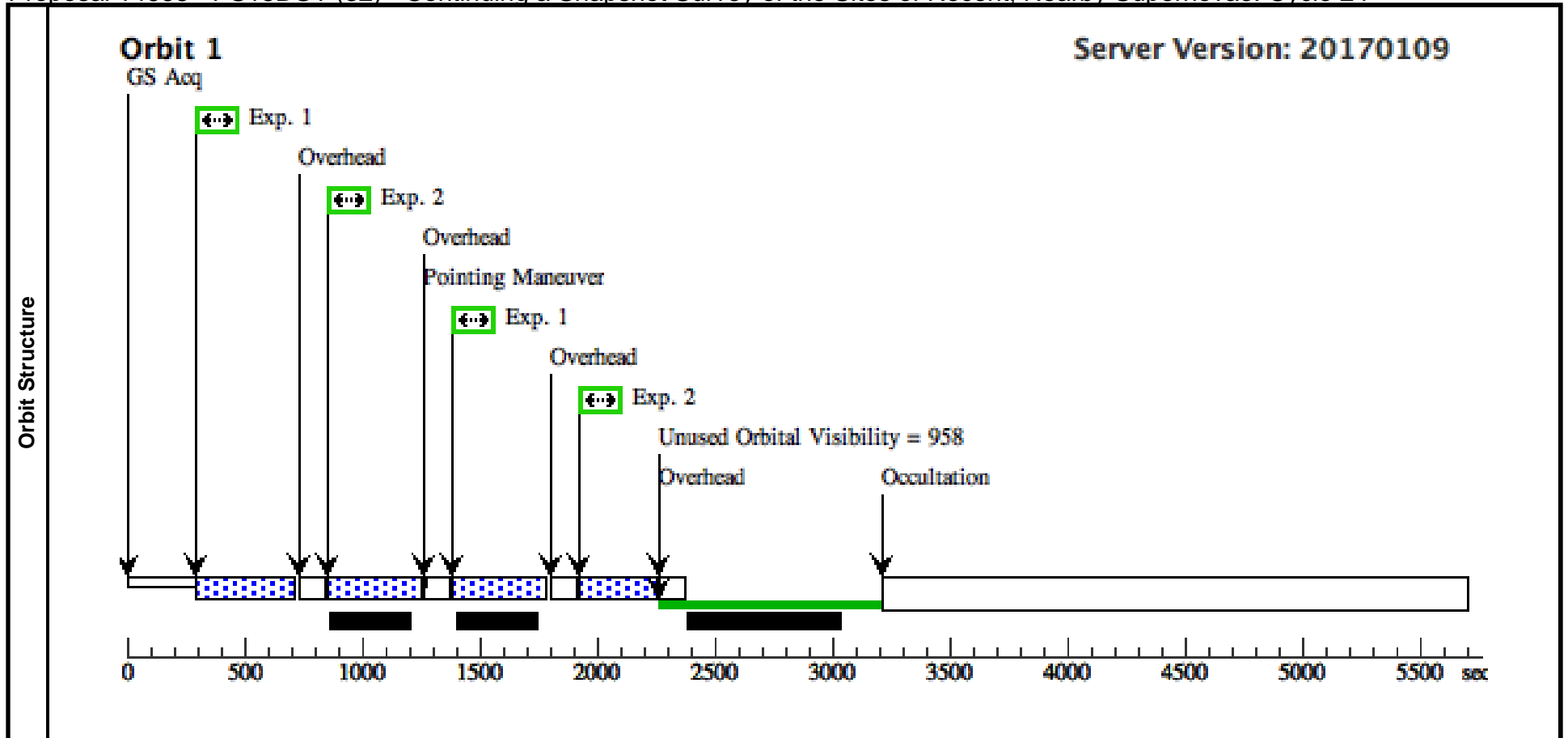
Visit	Proposal 14668, SN2015AH (31), scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(32)	SN2015AH	RA: 23 00 24.6300 (345.1026250d) Dec: +01 37 36.80 (1.62689d) Equinox: J2000		V=25.0	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F814W	(32) SN2015AH	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=4		Pattern 1, Exps 1-2 in SN2015AH (31) (1)	780 Secs (780 Secs) [=>390.0 Secs (Pattern 1)] [=>390.0 Secs (Pattern 2)]	[1]
	2	F555W	(32) SN2015AH	WFC3/UVIS, ACCUM, UVIS	F555W	FLASH=4		Pattern 1, Exps 1-2 in SN2015AH (31) (1)	710 Secs (710 Secs) [=>390.0 Secs (Pattern 1)] [=>320.0 Secs (Pattern 2)]	[1]



Proposal 14668 - PS15BGT (32) - Continuing a Snapshot Survey of the Sites of Recent, Nearby Supernovae: Cycle 24

Tue Feb 07 02:04:17 GMT 2017

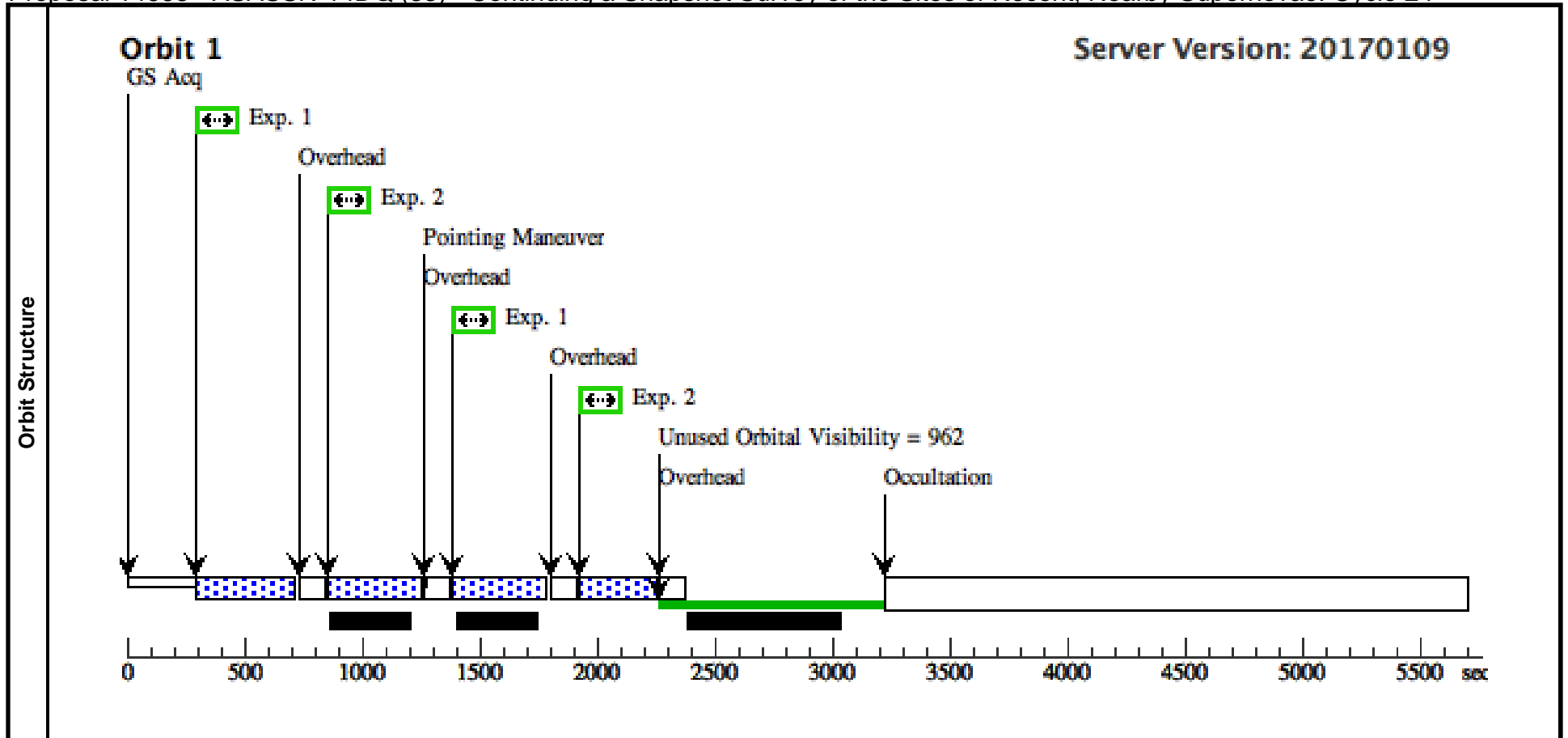
Visit	Proposal 14668, PS15BGT (32), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)										
	Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
		(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false			(1-2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(33)	PS15BGT	RA: 22 46 5.0400 (341.5210000d) Dec: -10 59 48.40 (-10.99678d) Equinox: J2000				V=25.0		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	F814W	(33) PS15BGT	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=4		Pattern 1, Exps 1-2 in PS15BGT (32) (1)	780 Secs (780 Secs)		
									[==>390.0 Secs (Pattern 1)]		[1]
	2	F555W	(33) PS15BGT	WFC3/UVIS, ACCUM, UVIS	F555W	FLASH=4		Pattern 1, Exps 1-2 in PS15BGT (32) (1)	710 Secs (710 Secs)		
									[==>390.0 Secs (Pattern 1)]		[1]
									[==>320.0 Secs (Pattern 2)]		



Proposal 14668 - ASASSN-14DQ (33) - Continuing a Snapshot Survey of the Sites of Recent, Nearby Supernovae: Cycle 24

Tue Feb 07 02:04:17 GMT 2017

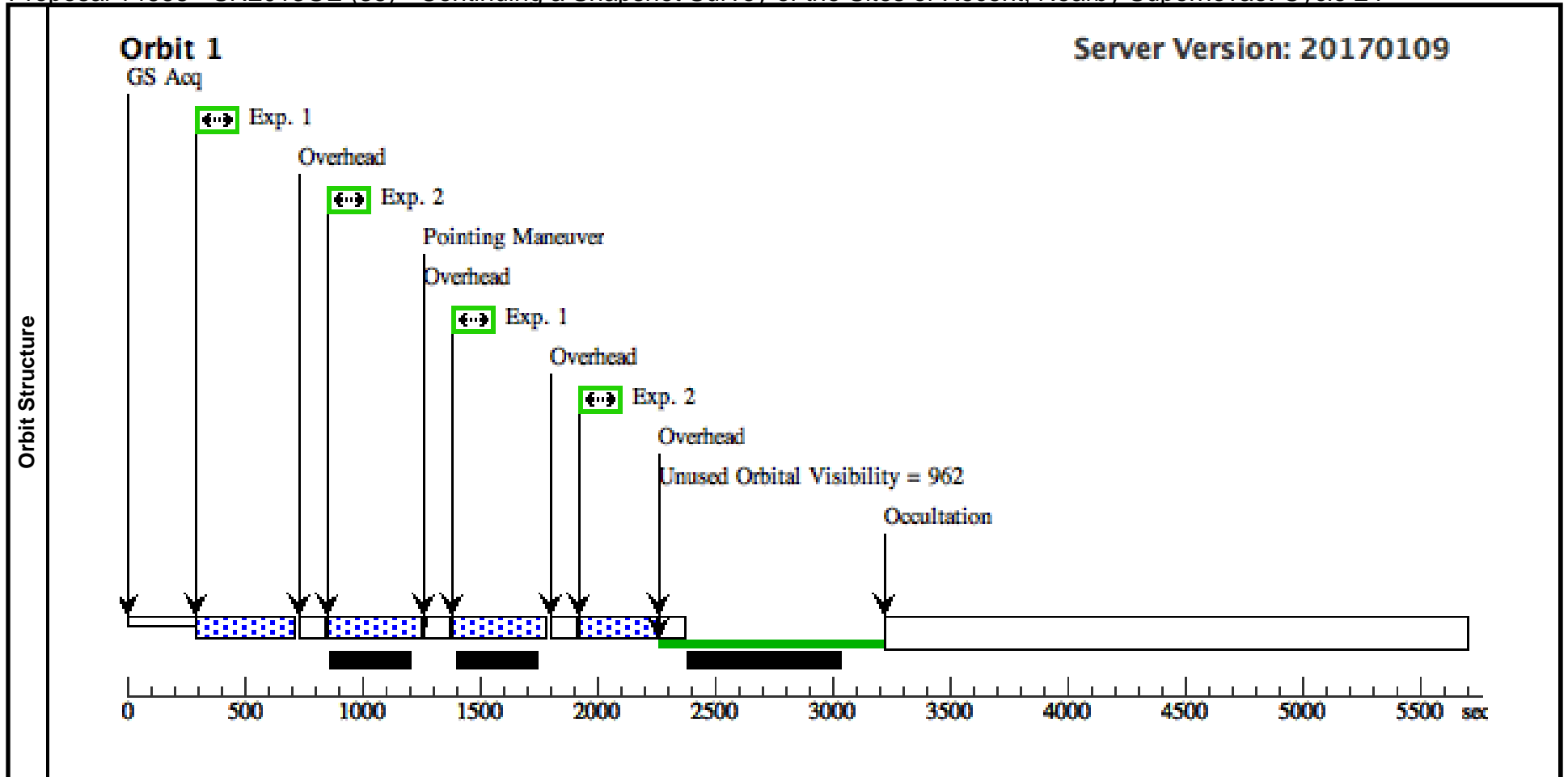
Visit	Proposal 14668, ASASSN-14DQ (33), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(34)	ASASSN-14DQ	RA: 21 57 59.9700 (329.4998750d) Dec: +24 16 8.10 (24.26892d) Equinox: J2000		V=25.0	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F814W	(34) ASASSN-14DQ	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=4		Pattern 1, Exps 1-2 in ASASSN-14DQ (33) (1)	780 Secs (780 Secs) [==>390.0 Secs (Pattern 1)] [==>390.0 Secs (Pattern 2)]	[1]
	2	F555W	(34) ASASSN-14DQ	WFC3/UVIS, ACCUM, UVIS	F555W	FLASH=4		Pattern 1, Exps 1-2 in ASASSN-14DQ (33) (1)	710 Secs (710 Secs) [==>390.0 Secs (Pattern 1)] [==>320.0 Secs (Pattern 2)]	[1]



Proposal 14668 - SN2013GE (35) - Continuing a Snapshot Survey of the Sites of Recent, Nearby Supernovae: Cycle 24

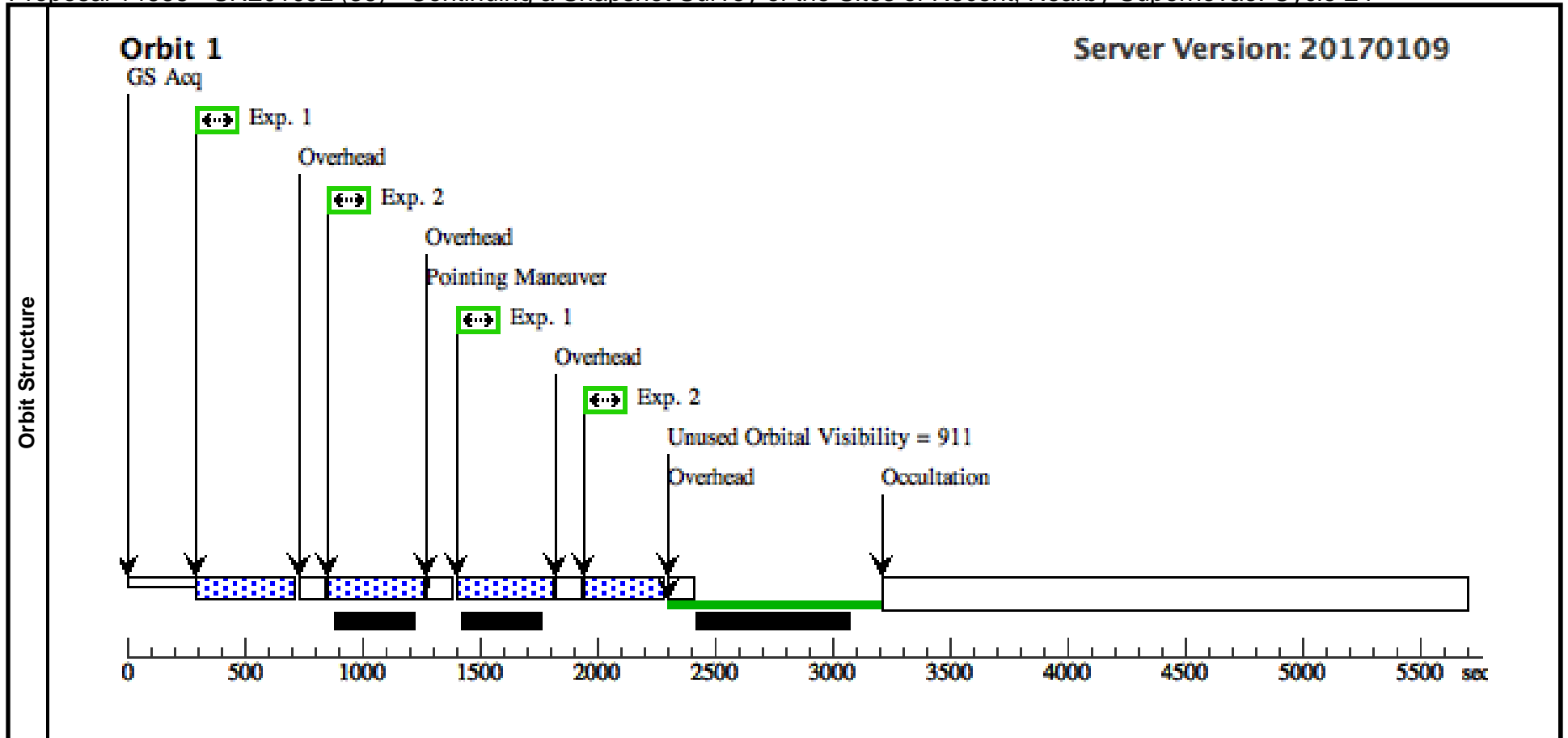
Tue Feb 07 02:04:17 GMT 2017

Visit	<b>Proposal 14668, SN2013GE (35), completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(36)	SN2013GE	RA: 10 34 48.4600 (158.7019167d) Dec: +21 39 41.90 (21.66164d) Equinox: J2000		V=25.0	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F814W	(36) SN2013GE	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=4		Pattern 1, Exps 1-2 in SN2013GE (35) (1)	780 Secs (780 Secs) [==>390.0 Secs (Pattern 1)] [==>390.0 Secs (Pattern 2)]	[1]
	2	F555W	(36) SN2013GE	WFC3/UVIS, ACCUM, UVIS	F555W	FLASH=4		Pattern 1, Exps 1-2 in SN2013GE (35) (1)	710 Secs (710 Secs) [==>390.0 Secs (Pattern 1)] [==>320.0 Secs (Pattern 2)]	[1]



Proposal 14668 - SN2010JL (36) - Continuing a Snapshot Survey of the Sites of Recent, Nearby Supernovae: Cycle 24

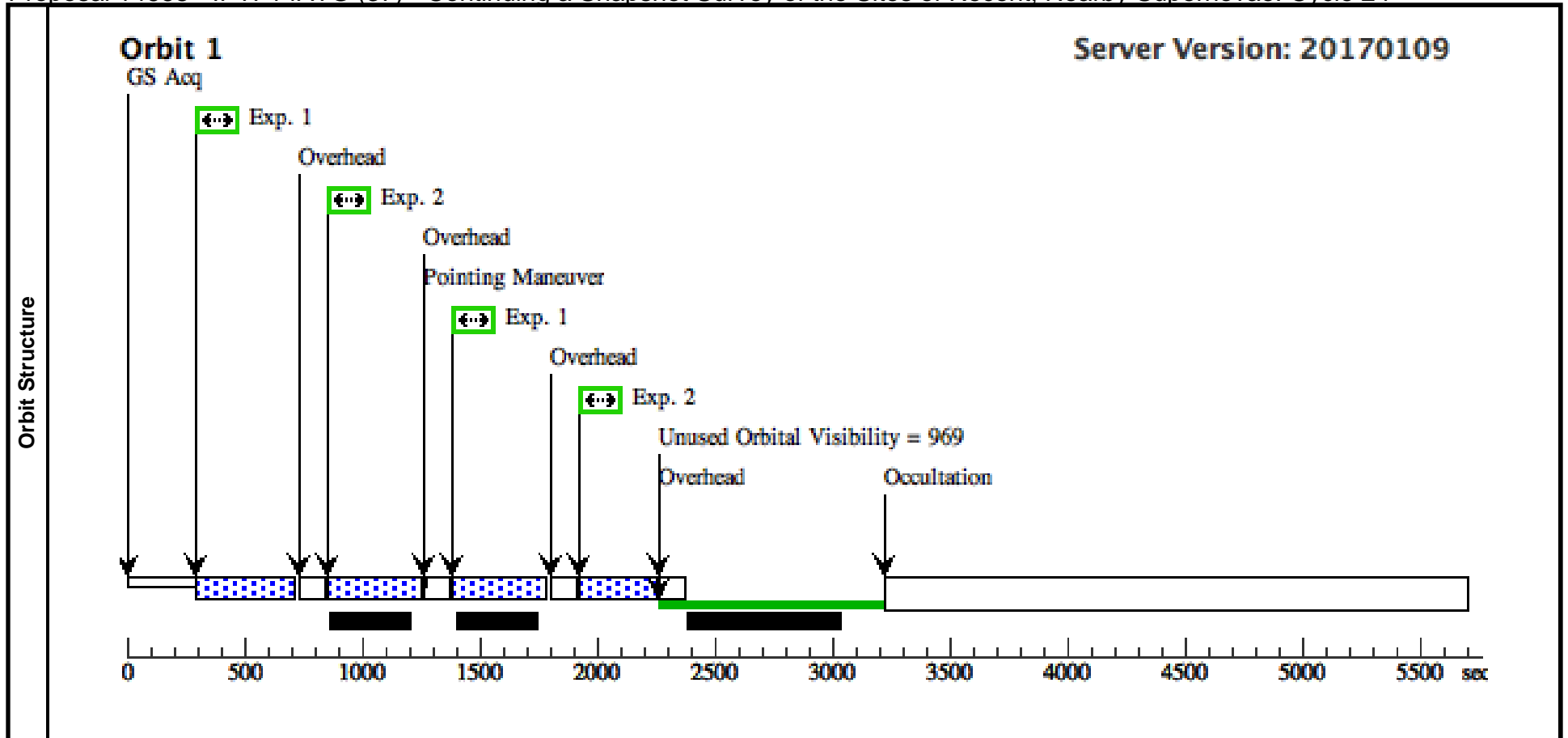
<b>Visit</b>	Proposal 14668, SN2010JL (36), completed <span style="float: right;">Tue Feb 07 02:04:17 GMT 2017</span> Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	<b>Patterns</b>	#	<b>Primary Pattern</b>	<b>Secondary Pattern</b>			<b>Exposures</b>			
(1)		Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false				(1-2)				
<b>Fixed Targets</b>	#	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(37)	SN2010JL	RA: 09 42 53.0000 (145.7208333d) Dec: +09 29 41.80 (9.49494d) Equinox: J2000		V=25.0	Reference Frame: ICRS				
<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 (Total)/[Actual Dur.]</b>	<b>Orbit</b>
	1	F814W	(37) SN2010JL	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=4		Pattern 1, Exps 1-2 in SN2010JL (36) (1)	780 Secs (780 Secs)	
									[==>390.0 Secs (Pattern 1)] [==>390.0 Secs (Pattern 2)]	[1]
2	F336W	(37) SN2010JL	WFC3/UVIS, ACCUM, UVIS	F336W	FLASH=11			Pattern 1, Exps 1-2 in SN2010JL (36) (1)	710 Secs (710 Secs)	
									[==>390.0 Secs (Pattern 1)] [==>320.0 Secs (Pattern 2)]	[1]



Proposal 14668 - IPTF14ATG (37) - Continuing a Snapshot Survey of the Sites of Recent, Nearby Supernovae: Cycle 24

Tue Feb 07 02:04:17 GMT 2017

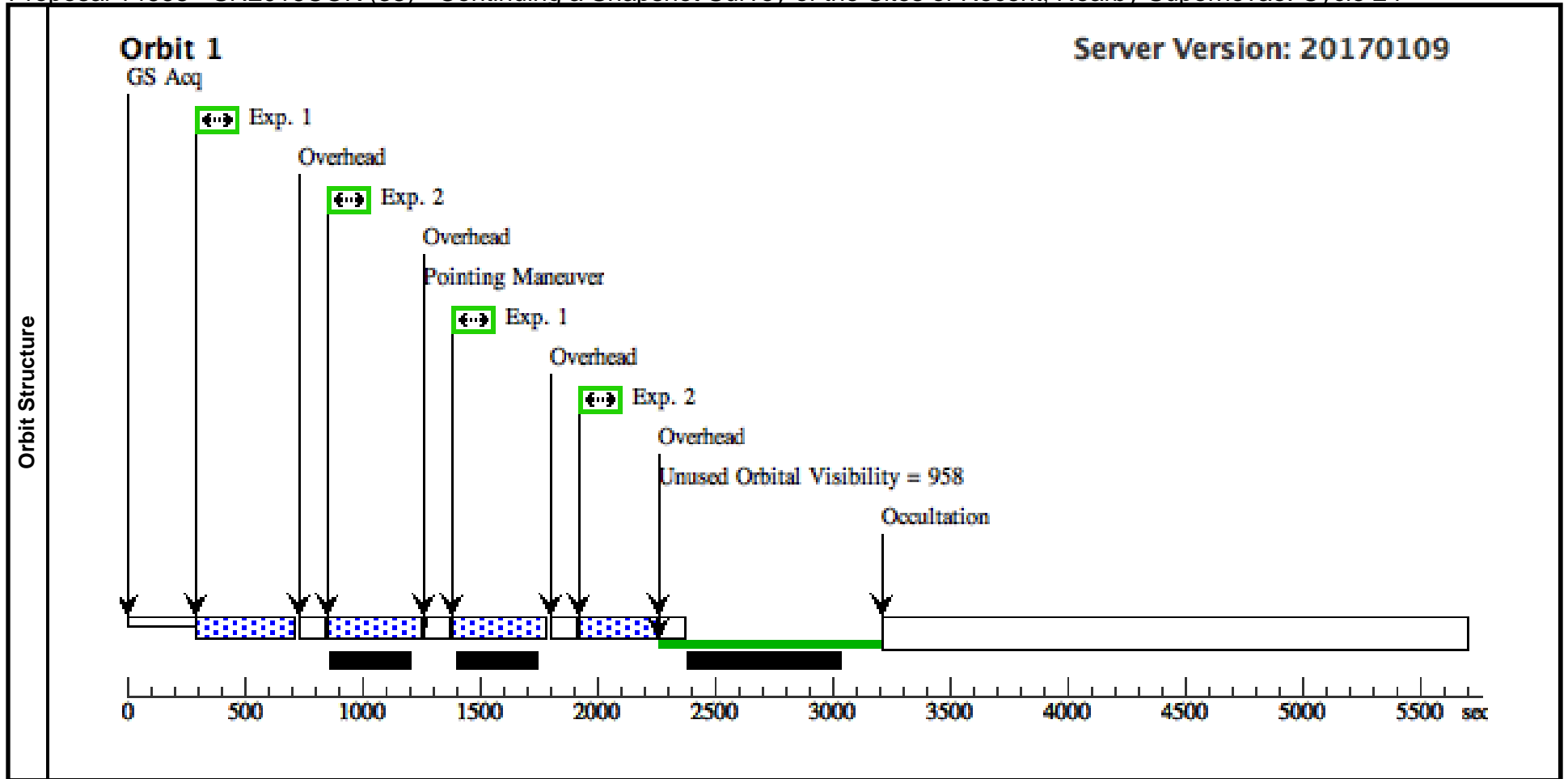
Visit	<b>Proposal 14668, IPTF14ATG (37), scheduling</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(38)	IPTF14ATG	RA: 12 52 45.0000 (193.1875000d) Dec: +26 28 13.00 (26.47028d) Equinox: J2000		V=25.0	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F814W	(38) IPTF14ATG	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=4		Pattern 1, Exps 1-2 in IPTF14ATG (37) (1)	780 Secs (780 Secs) [==>390.0 Secs (Pattern 1)] [==>390.0 Secs (Pattern 2)]	[1]
	2	F555W	(38) IPTF14ATG	WFC3/UVIS, ACCUM, UVIS	F555W	FLASH=4		Pattern 1, Exps 1-2 in IPTF14ATG (37) (1)	710 Secs (710 Secs) [==>390.0 Secs (Pattern 1)] [==>320.0 Secs (Pattern 2)]	[1]



Proposal 14668 - SN2016COK (38) - Continuing a Snapshot Survey of the Sites of Recent, Nearby Supernovae: Cycle 24

Tue Feb 07 02:04:17 GMT 2017

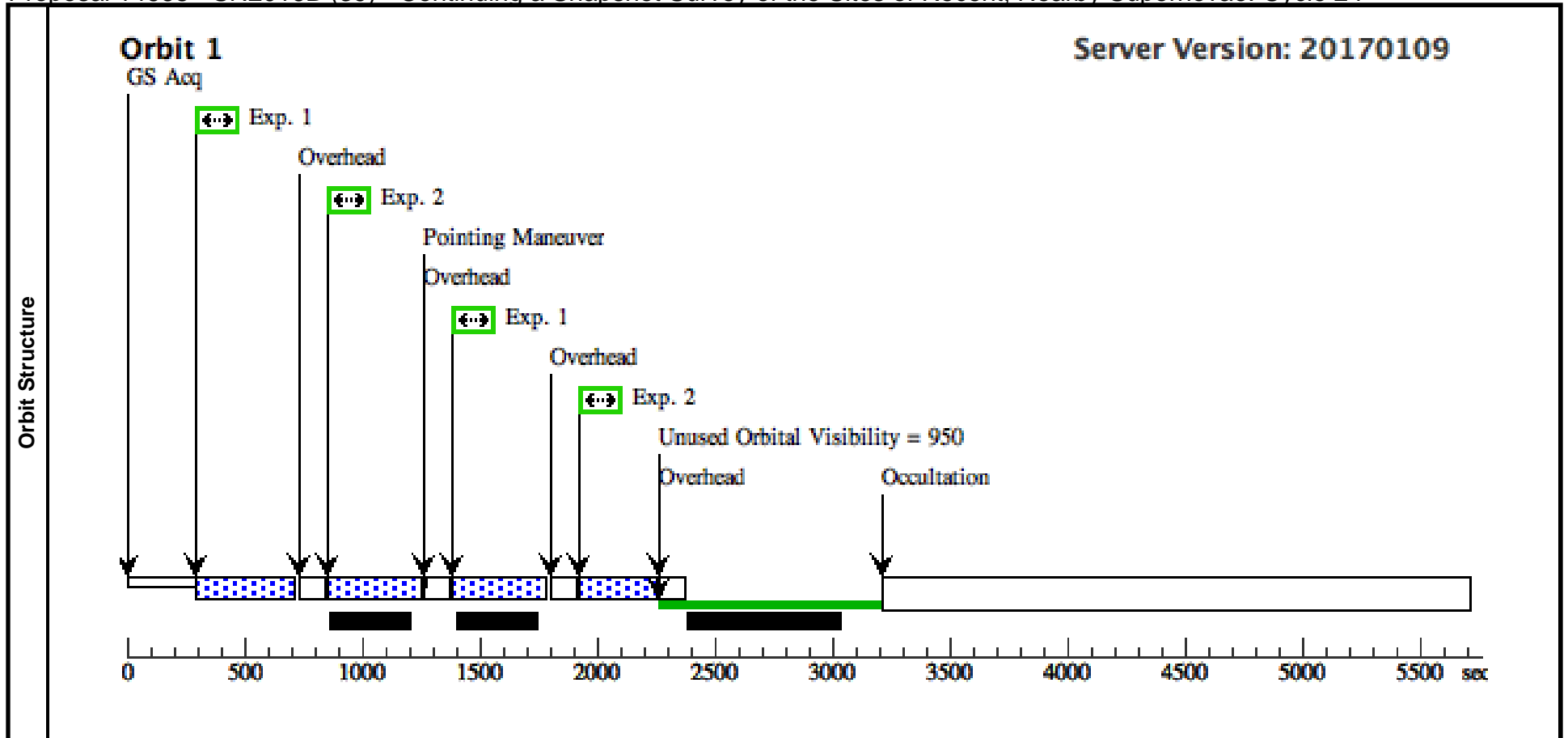
Visit	Proposal 14668, SN2016COK (38), scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(39)	SN2016COK	RA: 11 20 19.1000 (170.0795833d) Dec: +12 58 56.01 (12.98222d) Equinox: J2000		V=25.0	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F814W	(39) SN2016COK	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=4		Pattern 1, Exps 1-2 in SN2016COK (38) (1)	780 Secs (780 Secs) [==>390.0 Secs (Pattern 1)] [==>390.0 Secs (Pattern 2)]	[1]
2	F555W	(39) SN2016COK	WFC3/UVIS, ACCUM, UVIS	F555W	FLASH=4		Pattern 1, Exps 1-2 in SN2016COK (38) (1)	710 Secs (710 Secs) [==>390.0 Secs (Pattern 1)] [==>320.0 Secs (Pattern 2)]	[1]	



Proposal 14668 - SN2016B (39) - Continuing a Snapshot Survey of the Sites of Recent, Nearby Supernovae: Cycle 24

Tue Feb 07 02:04:17 GMT 2017

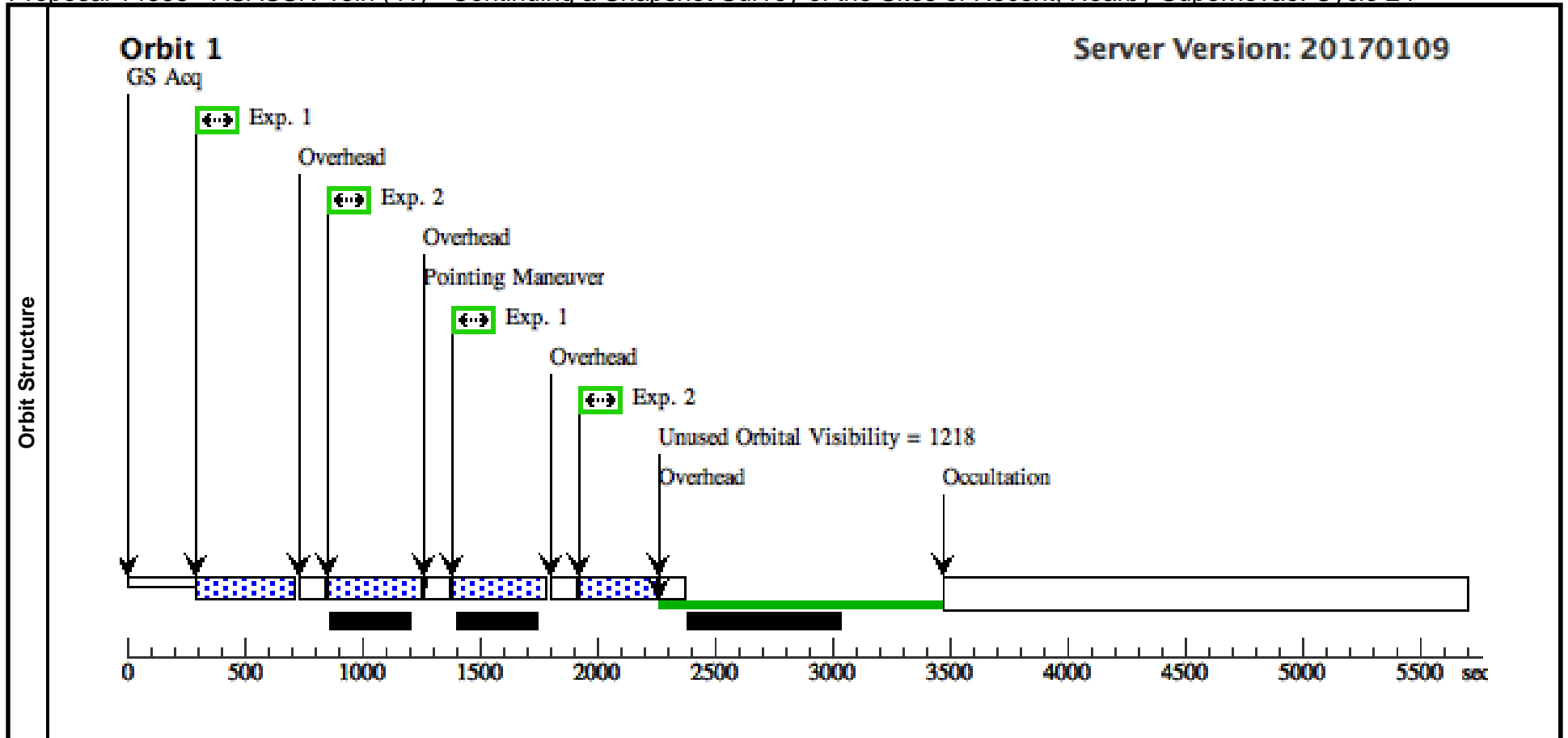
Visit	Proposal 14668, SN2016B (39), scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(40)	SN2016B	RA: 11 55 4.2500 (178.7677083d) Dec: +01 43 6.80 (1.71856d) Equinox: J2000		V=25.0	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F814W	(40) SN2016B	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=4		Pattern 1, Exps 1-2 in SN2016B (39) (1)	780 Secs (780 Secs) [==>390.0 Secs (Pattern 1)] [==>390.0 Secs (Pattern 2)]	[1]
2	F555W	(40) SN2016B	WFC3/UVIS, ACCUM, UVIS	F555W	FLASH=4		Pattern 1, Exps 1-2 in SN2016B (39) (1)	710 Secs (710 Secs) [==>390.0 Secs (Pattern 1)] [==>320.0 Secs (Pattern 2)]	[1]	



Proposal 14668 - ASASSN-15lh (41) - Continuing a Snapshot Survey of the Sites of Recent, Nearby Supernovae: Cycle 24

Tue Feb 07 02:04:17 GMT 2017

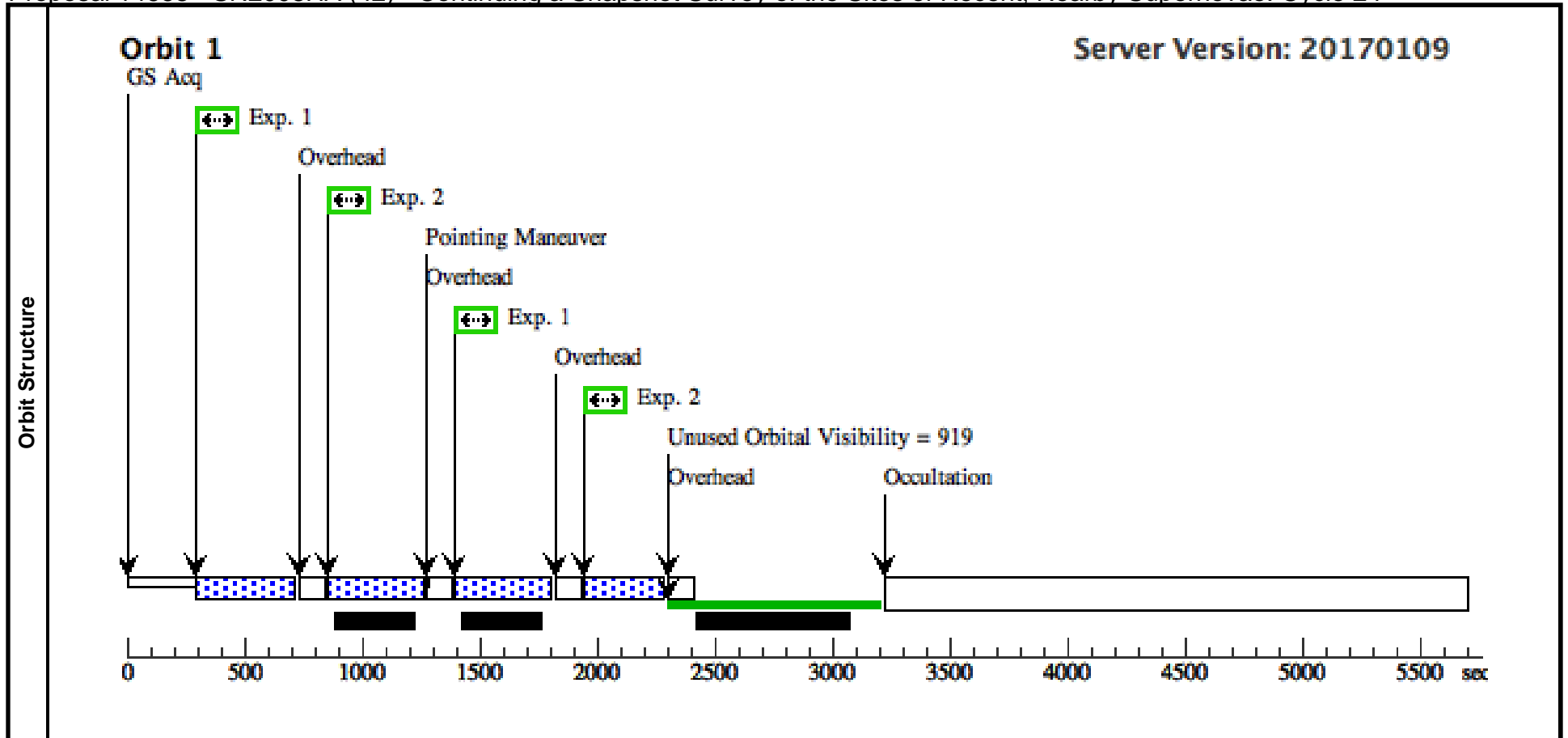
Visit	<b>Proposal 14668, ASASSN-15lh (41), scheduling</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(41)	ASASSN-15LH	RA: 22 02 15.0000 (330.5625000d) Dec: -61 39 34.64 (-61.65962d) Equinox: J2000	Redshift: 0.2326	V=25	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F814W	(41) ASASSN-15LH	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=4		Pattern 1, Exps 1-2 in ASASSN-15lh (41) (1)	780 Secs (780 Secs) [=>390.0 Secs (Pattern 1)] [=>390.0 Secs (Pattern 2)]	[1]
	2	F555W	(41) ASASSN-15LH	WFC3/UVIS, ACCUM, UVIS	F555W	FLASH=4		Pattern 1, Exps 1-2 in ASASSN-15lh (41) (1)	710 Secs (710 Secs) [=>390.0 Secs (Pattern 1)] [=>320.0 Secs (Pattern 2)]	[1]



Proposal 14668 - SN2008HA (42) - Continuing a Snapshot Survey of the Sites of Recent, Nearby Supernovae: Cycle 24

Tue Feb 07 02:04:17 GMT 2017

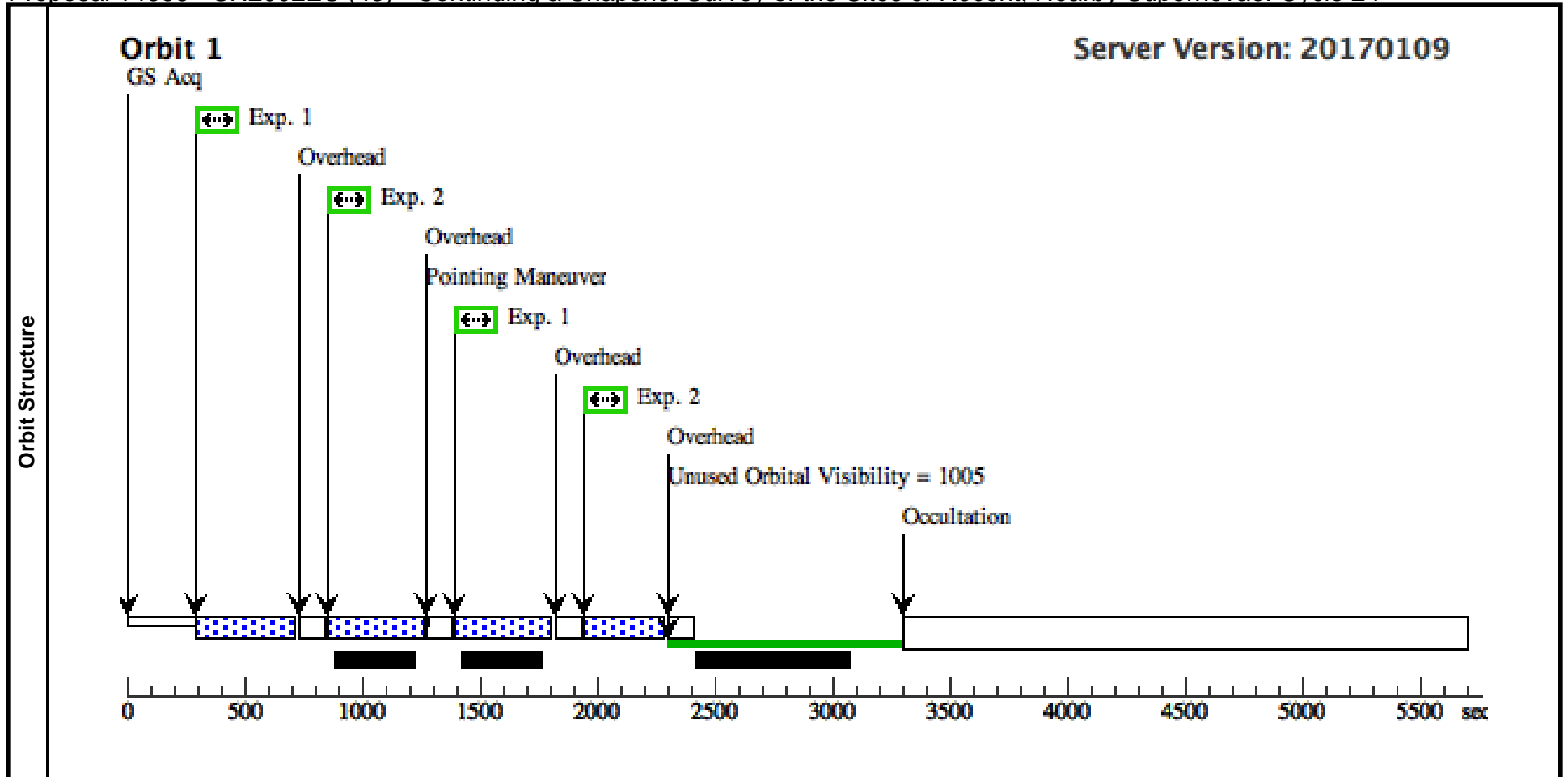
Visit	<b>Proposal 14668, SN2008HA (42), completed</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(42)	SN2008HA	RA: 23 34 53.0000 (353.7208333d) Dec: +18 13 35.40 (18.22650d) Equinox: J2000		V=25	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F275W	(42) SN2008HA	WFC3/UVIS, ACCUM, UVIS	F275W	FLASH=12		Pattern 1, Exps 1-2 in SN2008HA (42) (1)	780 Secs (780 Secs) [==>390.0 Secs (Pattern 1)] [==>390.0 Secs (Pattern 2)]	[1]
	2	F555W	(42) SN2008HA	WFC3/UVIS, ACCUM, UVIS	F555W	FLASH=4		Pattern 1, Exps 1-2 in SN2008HA (42) (1)	710 Secs (710 Secs) [==>390.0 Secs (Pattern 1)] [==>320.0 Secs (Pattern 2)]	[1]



Proposal 14668 - SN2002ES (43) - Continuing a Snapshot Survey of the Sites of Recent, Nearby Supernovae: Cycle 24

Tue Feb 07 02:04:17 GMT 2017

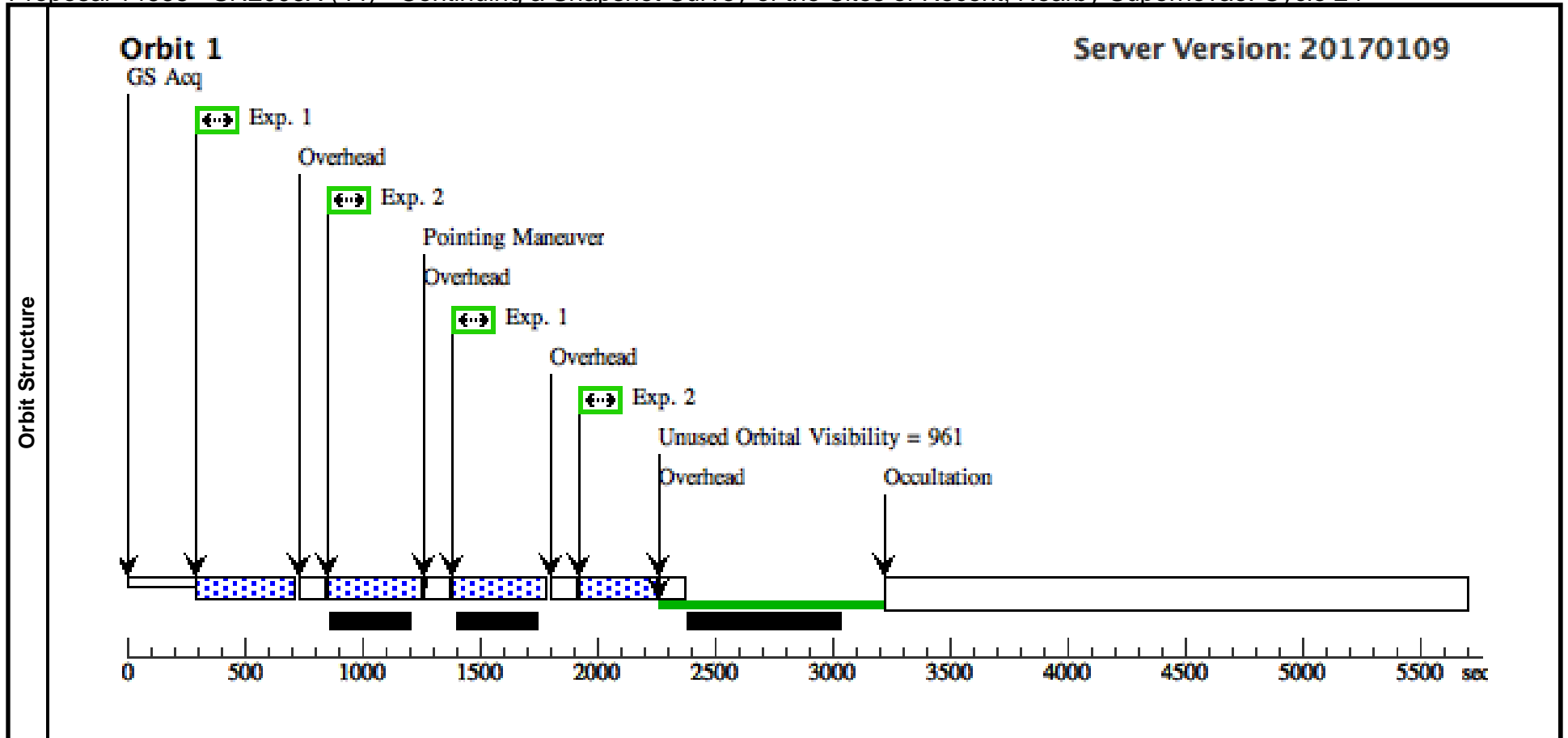
Visit	Proposal 14668, SN2002ES (43), scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(43)	SN2002ES	RA: 03 23 47.2000 (50.9466667d) Dec: +40 33 53.00 (40.56472d) Equinox: J2000		V=25	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F275W	(43) SN2002ES	WFC3/UVIS, ACCUM, UVIS	F275W	FLASH=12		Pattern 1, Exps 1-2 in SN2002ES (43) (1)	780 Secs (780 Secs) [=>390.0 Secs (Pattern 1)] [=>390.0 Secs (Pattern 2)]	[1]
	2	F555W	(43) SN2002ES	WFC3/UVIS, ACCUM, UVIS	F555W	FLASH=4		Pattern 1, Exps 1-2 in SN2002ES (43) (1)	710 Secs (710 Secs) [=>390.0 Secs (Pattern 1)] [=>320.0 Secs (Pattern 2)]	[1]



Proposal 14668 - SN2006X (44) - Continuing a Snapshot Survey of the Sites of Recent, Nearby Supernovae: Cycle 24

Tue Feb 07 02:04:17 GMT 2017

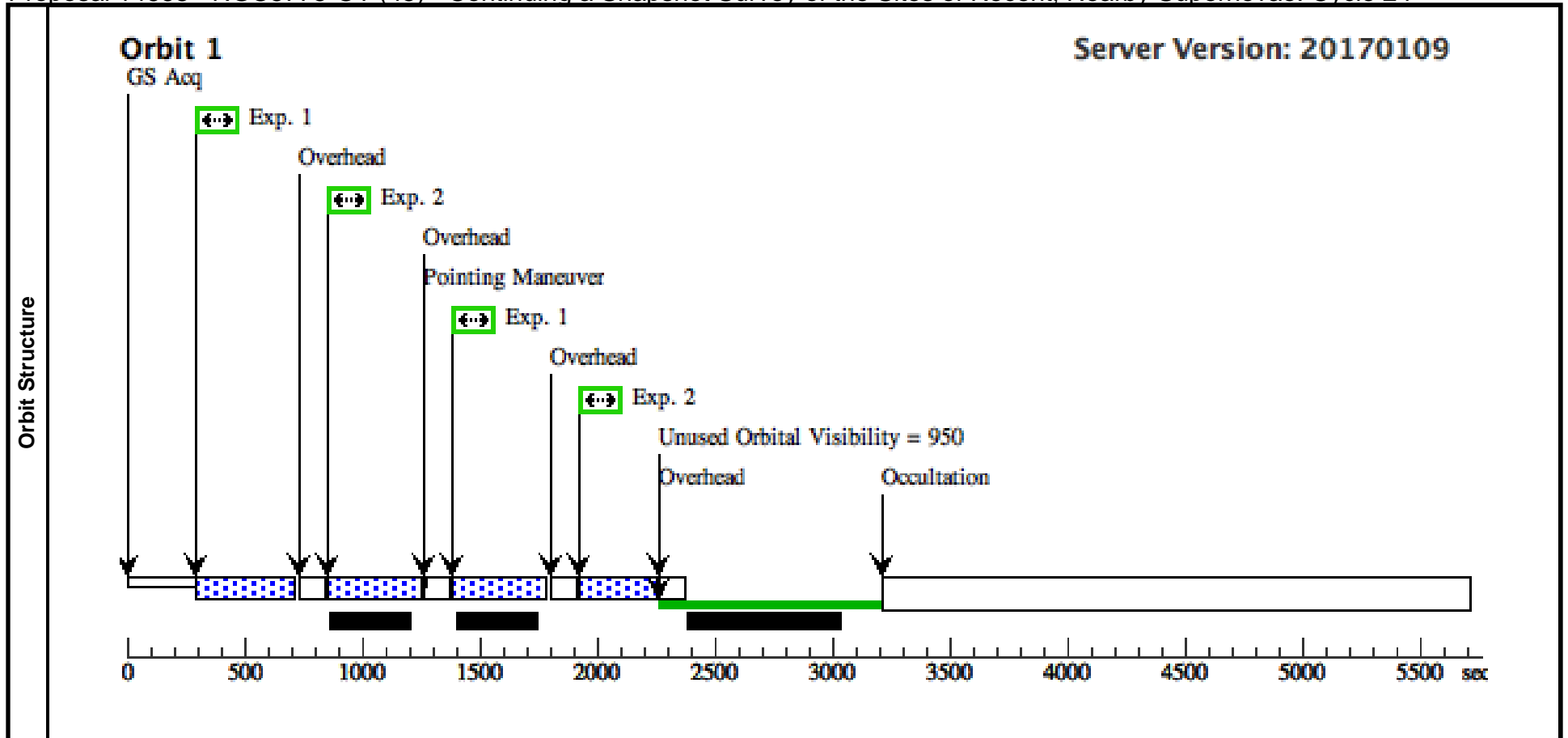
<b>Visit</b>	Proposal 14668, SN2006X (44), scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	<b>Patterns</b>	#	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			<b>Exposures</b>
(1)		Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false			(1-2)	
<b>Fixed Targets</b>	#	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>	<b>Miscellaneous</b>		
	(45)	SN2006X	RA: 12 22 54.0000 (185.7250000d) Dec: +15 48 33.10 (15.80919d) Equinox: J2000		Redshift: 0.00529		V=26	Reference Frame: ICRS		
<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 (Total)/[Actual Dur.]</b>	<b>Orbit</b>
	1	F814W	(45) SN2006X	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=4		Pattern 1, Exps 1-2 in SN2006X (44) (1)	780 Secs (780 Secs)	
									[==>390.0 Secs (Pattern 1)]	[1]
									[==>390.0 Secs (Pattern 2)]	
2	F555W	(45) SN2006X	WFC3/UVIS, ACCUM, UVIS	F555W	FLASH=4			Pattern 1, Exps 1-2 in SN2006X (44) (1)	710 Secs (710 Secs)	
									[==>390.0 Secs (Pattern 1)]	[1]
									[==>320.0 Secs (Pattern 2)]	



Proposal 14668 - NGC5775-OT (45) - Continuing a Snapshot Survey of the Sites of Recent, Nearby Supernovae: Cycle 24

Tue Feb 07 02:04:17 GMT 2017

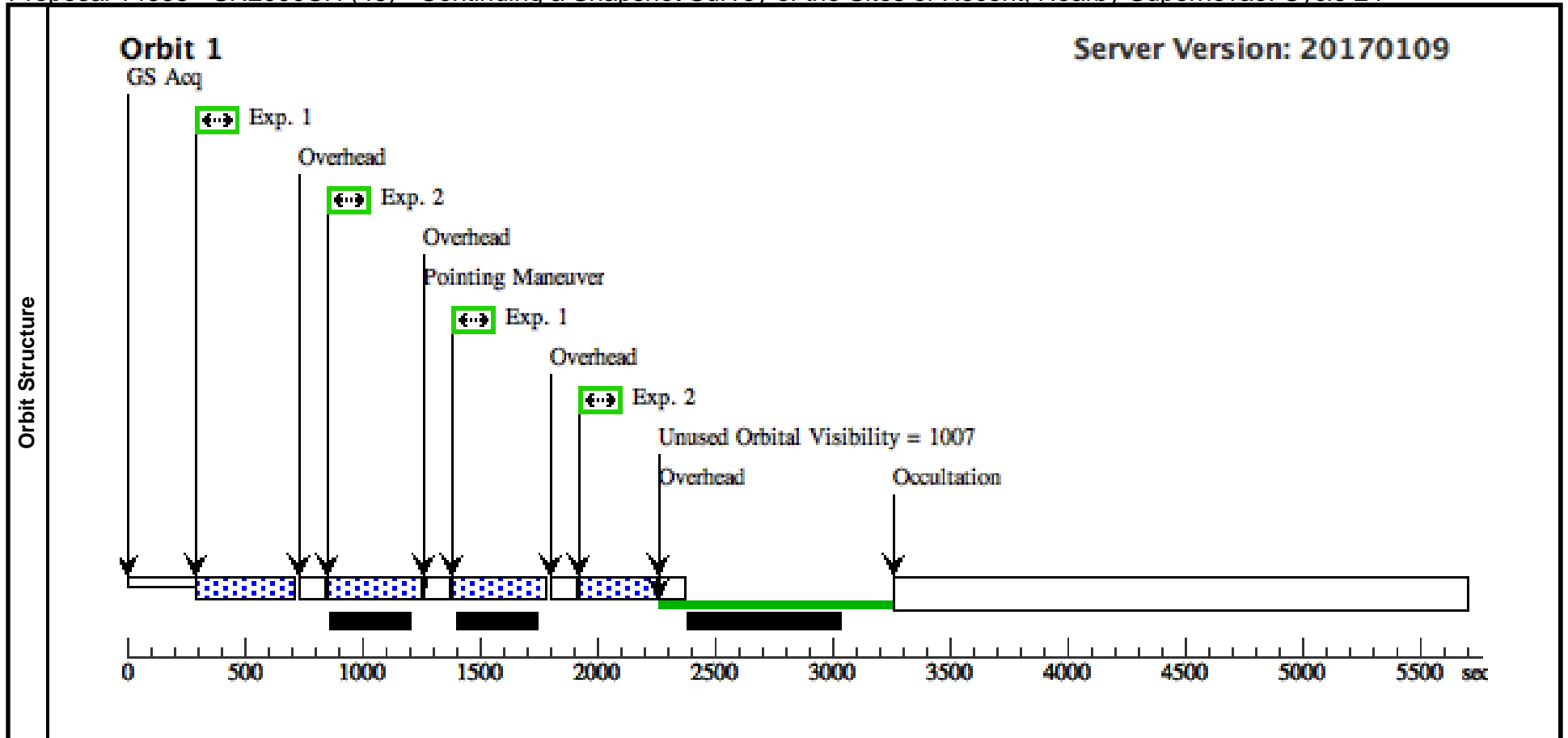
Visit	<b>Proposal 14668, NGC5775-OT (45), scheduling</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(46)	NGC5775-OT	RA: 14 53 54.0000 (223.4750000d) Dec: +03 34 4.90 (3.56803d) Equinox: J2000	Redshift: 0.0	V=25	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F814W	(46) NGC5775-OT	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=4		Pattern 1, Exps 1-2 in NGC5775-OT (45) (1)	780 Secs (780 Secs) [=>390.0 Secs (Pattern 1)] [=>390.0 Secs (Pattern 2)]	[1]
	2	F555W	(46) NGC5775-OT	WFC3/UVIS, ACCUM, UVIS	F555W	FLASH=4		Pattern 1, Exps 1-2 in NGC5775-OT (45) (1)	710 Secs (710 Secs) [=>390.0 Secs (Pattern 1)] [=>320.0 Secs (Pattern 2)]	[1]



Proposal 14668 - SN2000CH (46) - Continuing a Snapshot Survey of the Sites of Recent, Nearby Supernovae: Cycle 24

Tue Feb 07 02:04:17 GMT 2017

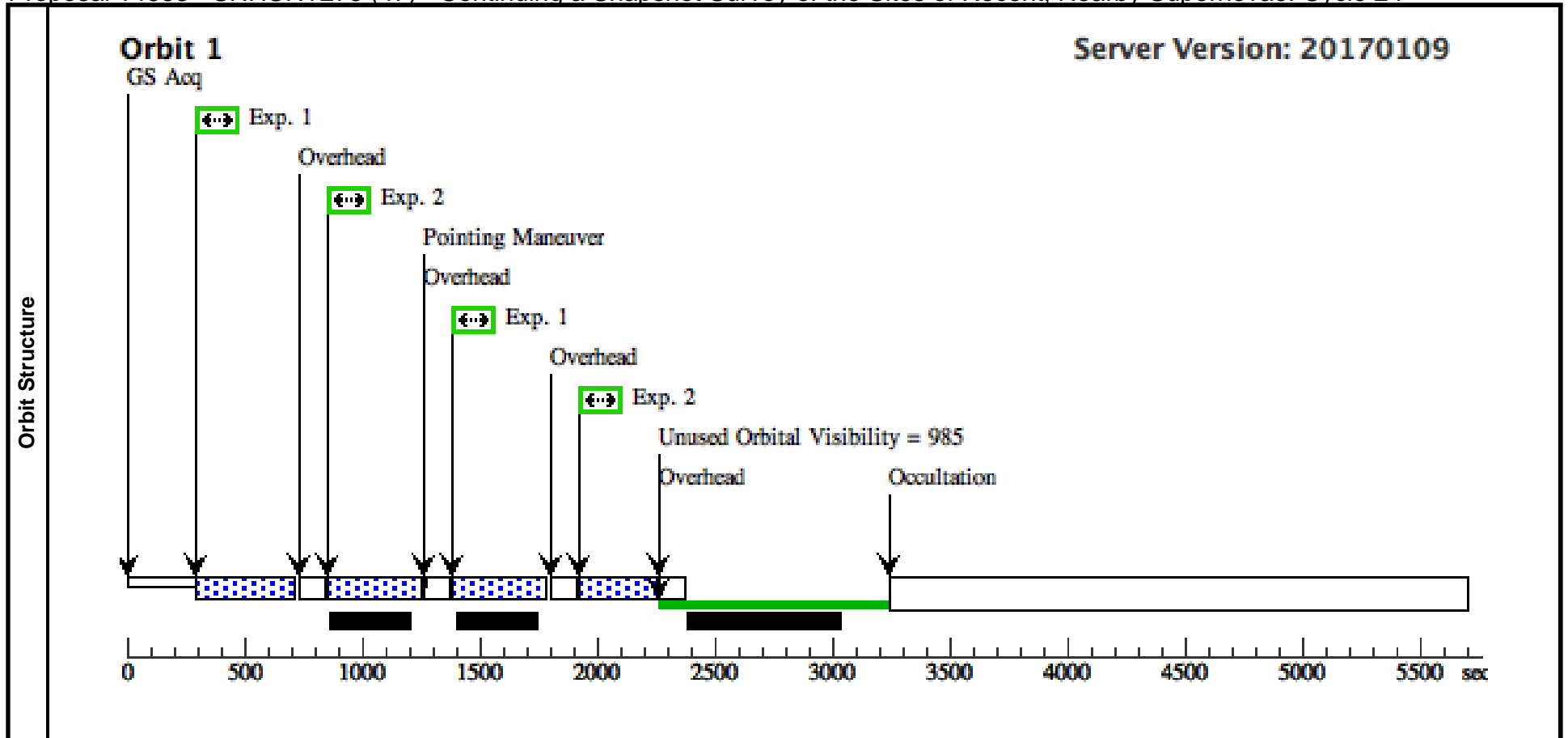
Visit	Proposal 14668, SN2000CH (46), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	#	Primary Pattern	Secondary Pattern	Exposures						
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(47)	SN2000CH	RA: 10 52 41.0000 (163.1708333d) Dec: +36 40 8.50 (36.66903d) Equinox: J2000	Redshift: 0.002063333333	V=25	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F814W	(47) SN2000CH	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=4		Pattern 1, Exps 1-2 in SN2000CH (46) (1)	780 Secs (780 Secs)	
									[==>390.0 Secs (Pattern 1)]	[1]
									[==>390.0 Secs (Pattern 2)]	
2	F555W	(47) SN2000CH	WFC3/UVIS, ACCUM, UVIS	F555W	FLASH=4			Pattern 1, Exps 1-2 in SN2000CH (46) (1)	710 Secs (710 Secs)	
									[==>390.0 Secs (Pattern 1)]	[1]
									[==>320.0 Secs (Pattern 2)]	



Proposal 14668 - SNHUNT275 (47) - Continuing a Snapshot Survey of the Sites of Recent, Nearby Supernovae: Cycle 24

Tue Feb 07 02:04:17 GMT 2017

<b>Visit</b>	Proposal 14668, SNHUNT275 (47), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)										
	<b>Patterns</b>	#	<b>Primary Pattern</b>				<b>Secondary Pattern</b>				<b>Exposures</b>
(1)		Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false				(1-2)	
<b>Fixed Targets</b>	#	<b>Name</b>	<b>Target Coordinates</b>			<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>	<b>Miscellaneous</b>		
	(8)	SNHUNT275	RA: 09 09 35.0000 (137.3958333d) Dec: +33 07 21.30 (33.12258d) Equinox: J2000					V=25.0	Reference Frame: ICRS		
<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 (Total)/[Actual Dur.]</b>		<b>Orbit</b>
	1	F814W	(8) SNHUNT275	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=4		Pattern 1, Exps 1-2 in SNHUNT275 (47) (1)	780 Secs (780 Secs)		
									[=>390.0 Secs (Pattern 1)]		[1]
									[=>390.0 Secs (Pattern 2)]		
2	F555W	(8) SNHUNT275	WFC3/UVIS, ACCUM, UVIS	F555W	FLASH=4			Pattern 1, Exps 1-2 in SNHUNT275 (47) (1)	710 Secs (710 Secs)		
									[=>390.0 Secs (Pattern 1)]		[1]
									[=>320.0 Secs (Pattern 2)]		



Proposal 14668 - SN2006TF (48) - Continuing a Snapshot Survey of the Sites of Recent, Nearby Supernovae: Cycle 24

Tue Feb 07 02:04:17 GMT 2017

<b>Visit</b>	Proposal 14668, SN2006TF (48), scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>	<b>Secondary Pattern</b>			<b>Exposures</b>				
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false				(1-2)			
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(48)	SN2006TF	RA: 12 46 15.8000 (191.5658333d) Dec: +11 25 56.00 (11.43222d) Equinox: J2000	Redshift: 0.002063333333	V=25	Reference Frame: ICRS				
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time (Total)/[Actual Dur.]</b>	<b>Orbit</b>
	1	F814W	(48) SN2006TF	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=4		Pattern 1, Exps 1-2 in SN2006TF (48) (1)	780 Secs (780 Secs)	
									[==>390.0 Secs (Pattern 1)]	[1]
									[==>390.0 Secs (Pattern 2)]	
2	F555W	(48) SN2006TF	WFC3/UVIS, ACCUM, UVIS	F555W	FLASH=4			Pattern 1, Exps 1-2 in SN2006TF (48) (1)	710 Secs (710 Secs)	
									[==>390.0 Secs (Pattern 1)]	[1]
									[==>320.0 Secs (Pattern 2)]	

