



16179 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Cycle: 28, 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) SN2005IP	WFC3/UVIS	1	02-Feb-2022 16:00:32.0	yes
55	(1) SN2005IP	WFC3/UVIS	1	02-Feb-2022 16:00:33.0	yes
02	(2) AT2018COW	WFC3/UVIS	1	02-Feb-2022 16:00:33.0	yes
03	(3) SN2015AS	WFC3/UVIS	1	02-Feb-2022 16:00:34.0	yes
04	(4) SN2017EAW	WFC3/UVIS	1	02-Feb-2022 16:00:34.0	yes
05	(5) SN2016GKG	WFC3/UVIS	1	02-Feb-2022 16:00:35.0	yes
06	(6) SN2012AW	WFC3/UVIS	1	02-Feb-2022 16:00:35.0	yes

Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
07	(7) SN2008BK	WFC3/UVIS	1	02-Feb-2022 16:00:36.0	yes
08	(8) SN2012A	WFC3/UVIS	1	02-Feb-2022 16:00:36.0	yes
09	(9) SN2016BKV	WFC3/UVIS	1	02-Feb-2022 16:00:37.0	yes
10	(10) SN2016ADJ	WFC3/UVIS	1	02-Feb-2022 16:00:37.0	yes
11	(11) SN2017GKK	WFC3/UVIS	1	02-Feb-2022 16:00:38.0	yes
12	(12) SN2013DF	WFC3/UVIS	1	02-Feb-2022 16:00:39.0	yes
13	(13) SN2009IP	WFC3/UVIS	1	02-Feb-2022 16:00:39.0	yes
14	(14) SN2013EJ	WFC3/UVIS	1	02-Feb-2022 16:00:40.0	yes
15	(15) NGC4559-OT	WFC3/UVIS	1	02-Feb-2022 16:00:40.0	yes
16	(16) SN2000CH	WFC3/UVIS	1	02-Feb-2022 16:00:41.0	yes
17	(17) SN2015CP	WFC3/UVIS	1	02-Feb-2022 16:00:41.0	yes
18	(18) SN2016COJ	WFC3/UVIS	1	02-Feb-2022 16:00:42.0	yes
19	(19) SN2010MC	WFC3/UVIS	1	02-Feb-2022 16:00:42.0	yes
20	(20) SN2010JL	WFC3/UVIS	1	02-Feb-2022 16:00:43.0	yes
21	(21) SN2016JBU	WFC3/UVIS	1	02-Feb-2022 16:00:43.0	yes
22	(22) SN2017CFD	WFC3/UVIS	1	02-Feb-2022 16:00:44.0	yes
23	(23) SN2016COI	WFC3/UVIS	1	02-Feb-2022 16:00:44.0	yes
24	(24) SN2017IXV	WFC3/UVIS	1	02-Feb-2022 16:00:45.0	yes
25	(25) SN2016G	WFC3/UVIS	1	02-Feb-2022 16:00:46.0	yes
26	(26) SN2018AOQ	WFC3/UVIS	1	02-Feb-2022 16:00:46.0	yes
27	(27) SN2018GJ	WFC3/UVIS	1	02-Feb-2022 16:00:47.0	yes
28	(28) SN2018ZD	WFC3/UVIS	1	02-Feb-2022 16:00:47.0	yes
29	(29) SN2018IVC	WFC3/UVIS	1	02-Feb-2022 16:00:48.0	yes
30	(30) SNHUNT275	WFC3/UVIS	1	02-Feb-2022 16:00:48.0	yes
31	(31) SN2011DH	WFC3/UVIS	1	02-Feb-2022 16:00:49.0	yes

Proposal 16179 (STScI Edit Number: 1, Created: Wednesday, February 2, 2022 at 4:01:02 PM Eastern Standard Time) - 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>
32	(32) SN2014C	WFC3/UVIS	1	02-Feb-2022 16:00:49.0	yes
33	(33) SN2016AQT	WFC3/UVIS	1	02-Feb-2022 16:00:50.0	yes
34	(34) SN1988Z	WFC3/UVIS	1	02-Feb-2022 16:00:50.0	yes
35	(35) SN2016COK	WFC3/UVIS	1	02-Feb-2022 16:00:51.0	yes
36	(36) SN2017GAX	WFC3/UVIS	1	02-Feb-2022 16:00:51.0	yes
37	(37) SN2020OI	WFC3/UVIS	1	02-Feb-2022 16:00:52.0	yes
38	(38) SN2020DPW	WFC3/UVIS	1	02-Feb-2022 16:00:52.0	yes
39	(39) SN2019NP	WFC3/UVIS	1	02-Feb-2022 16:00:53.0	yes
40	(40) SN2019EIN	WFC3/UVIS	1	02-Feb-2022 16:00:54.0	yes
41	(41) SN2019EHK	WFC3/UVIS	1	02-Feb-2022 16:00:54.0	yes
42	(42) SN2018HNA	WFC3/UVIS	1	02-Feb-2022 16:00:55.0	yes
43	(43) SN2018HFP	WFC3/UVIS	1	02-Feb-2022 16:00:55.0	yes
44	(44) SN2019CTH	WFC3/UVIS	1	02-Feb-2022 16:00:56.0	yes
45	(45) SN2019FCK	WFC3/UVIS	1	02-Feb-2022 16:00:56.0	yes
46	(46) SN2019YVR	WFC3/UVIS	1	02-Feb-2022 16:00:57.0	yes
47	(47) IPTF14HLS	WFC3/UVIS	1	02-Feb-2022 16:00:57.0	yes
48	(48) SN2020JFO	WFC3/UVIS	1	02-Feb-2022 16:00:58.0	yes
49	(49) AT2019KRL	WFC3/UVIS	1	02-Feb-2022 16:00:58.0	yes
50	(50) AT2018AES	WFC3/UVIS	1	02-Feb-2022 16:00:59.0	yes
51	(51) SN2020HVP	WFC3/UVIS	1	02-Feb-2022 16:00:59.0	yes
52	(52) SN2017HCC	WFC3/UVIS	1	02-Feb-2022 16:01:00.0	yes
53	(53) SN1993J	WFC3/UVIS	1	02-Feb-2022 16:01:01.0	yes
54	(54) SN2020FQV	WFC3/UVIS	1	02-Feb-2022 16:01:01.0	yes

55 Total Orbits Used

ABSTRACT

During the past two decades, robotic (or highly automated) searches for supernovae (SNe) have found several thousand SNe, many of them in quite nearby galaxies ($d < 30$ Mpc). 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 obtain HST snapshot images of the sites of some of these nearby objects, to obtain late-time photometry (through two filters) that will help reveal the origin of their lingering energy. We will also search for possible stellar remnants of Type Iax 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 at these SN sites (those of core-collapse SNe often being especially rich in massive, luminous stars), to constrain the reddening and SN progenitor masses. We will search for light echoes around SNe, an important clue to their progenitor systems. When the SN is detected at late times (thereby providing a precise position) and deep HST archival pre-explosion images of the SN site are available, we will search for and characterize the nature of the progenitor. We will also image some "SN impostors" to verify whether they are indeed superoutbursts of luminous blue variable stars and survived the explosions, or a new/weak class of massive-star explosions. Our proposed snapshots in Cycle 28 will complement and extend the set of existing SN sites imaged with HST by various investigators in previous cycles.

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 $2380\text{ s} = 37.66$ minutes.

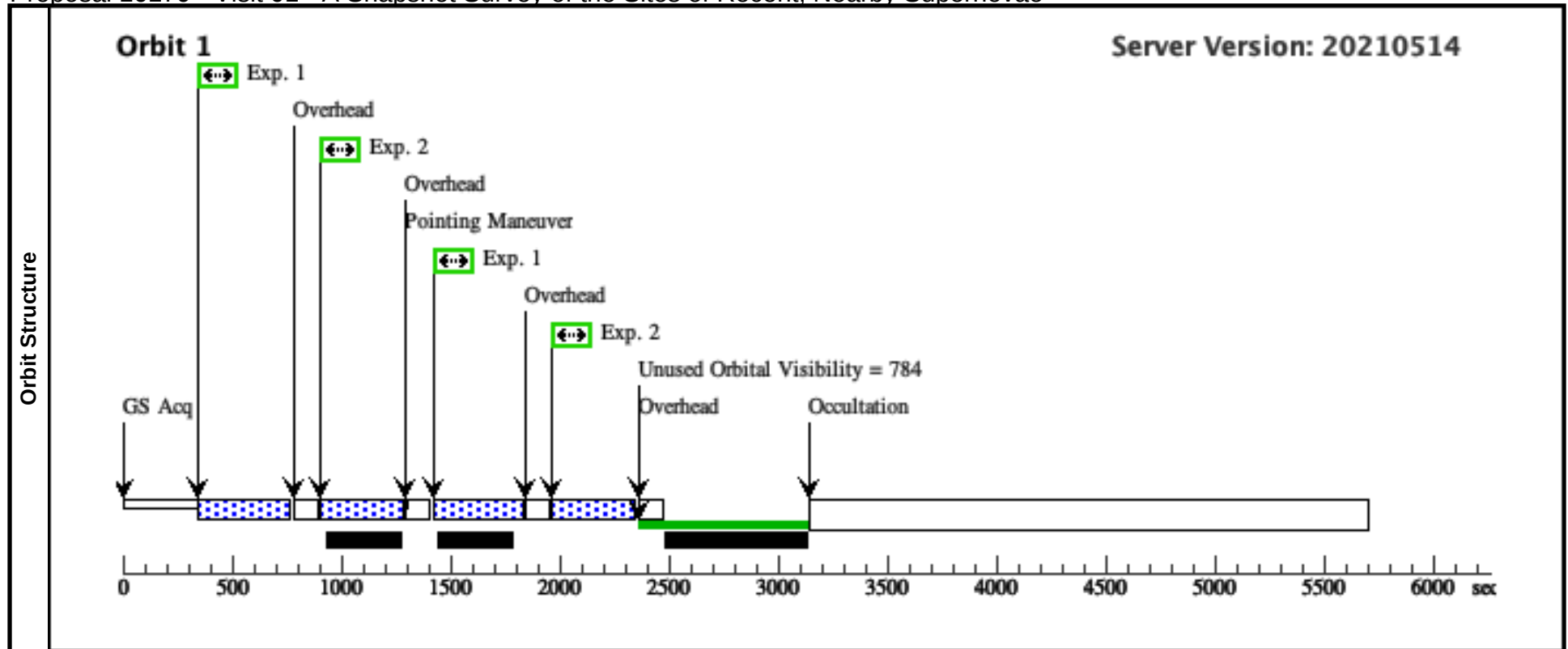
We have verified with existing HST data that uneven integration times (by a factor of 2) in a dithered CR-SPLIT exposure do not pose problems for cosmic-ray removal. The long pair of exposures (totalling 680 s) is used for the F814W filter because it has less sensitivity than the F555W filter. We have chosen 54 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 54 snapshots in 54 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).

Reduced gyro operations will not significantly impact this program. The snapshot visits are only a single orbit, with several exposures during each visit. Targets either will or will not be available during particular times, but that's always the case with Snapshot programs. The orientation of the field is not relevant, nor is the spatial scan speed.

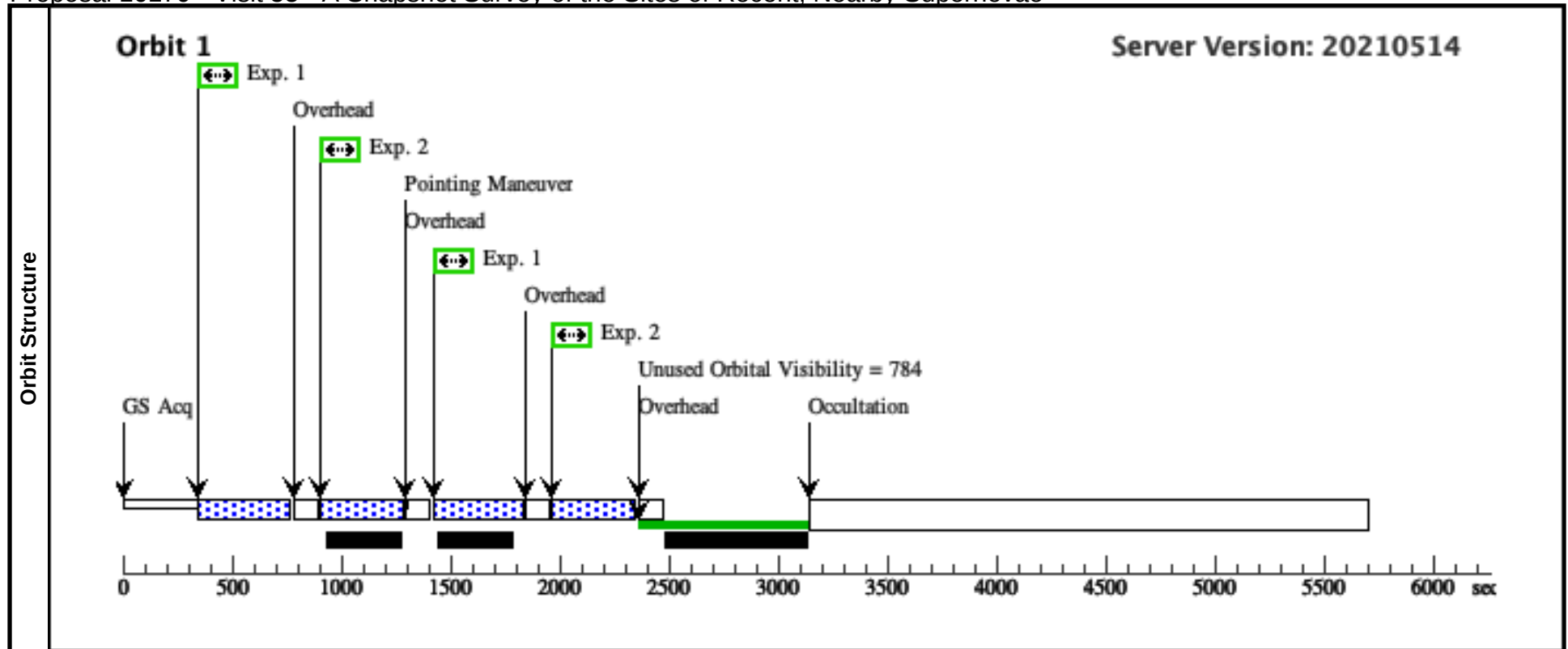
Proposal 16179 - Visit 01 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Visit	Proposal 16179, Visit 01, failed										Wed Feb 02 21:01:02 GMT 2022		
	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			
	(1)	SN2005IP		RA: 09 32 6.4200 (143.0267500d) Dec: +08 26 44.40 (8.44567d) Equinox: J2000				V=25.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[SUPERNOVA]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	F814W	(1) SN2005IP	WFC3/UVIS, ACCUM, UVIS		F814W	FLASH=10		Pattern 1, Exps 1-2 in Visit 01 (1)	390 Secs (780 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	
	2	F336W	(1) SN2005IP	WFC3/UVIS, ACCUM, UVIS		F336W	FLASH=18		Pattern 1, Exps 1-2 in Visit 01 (1)	355 Secs (710 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	



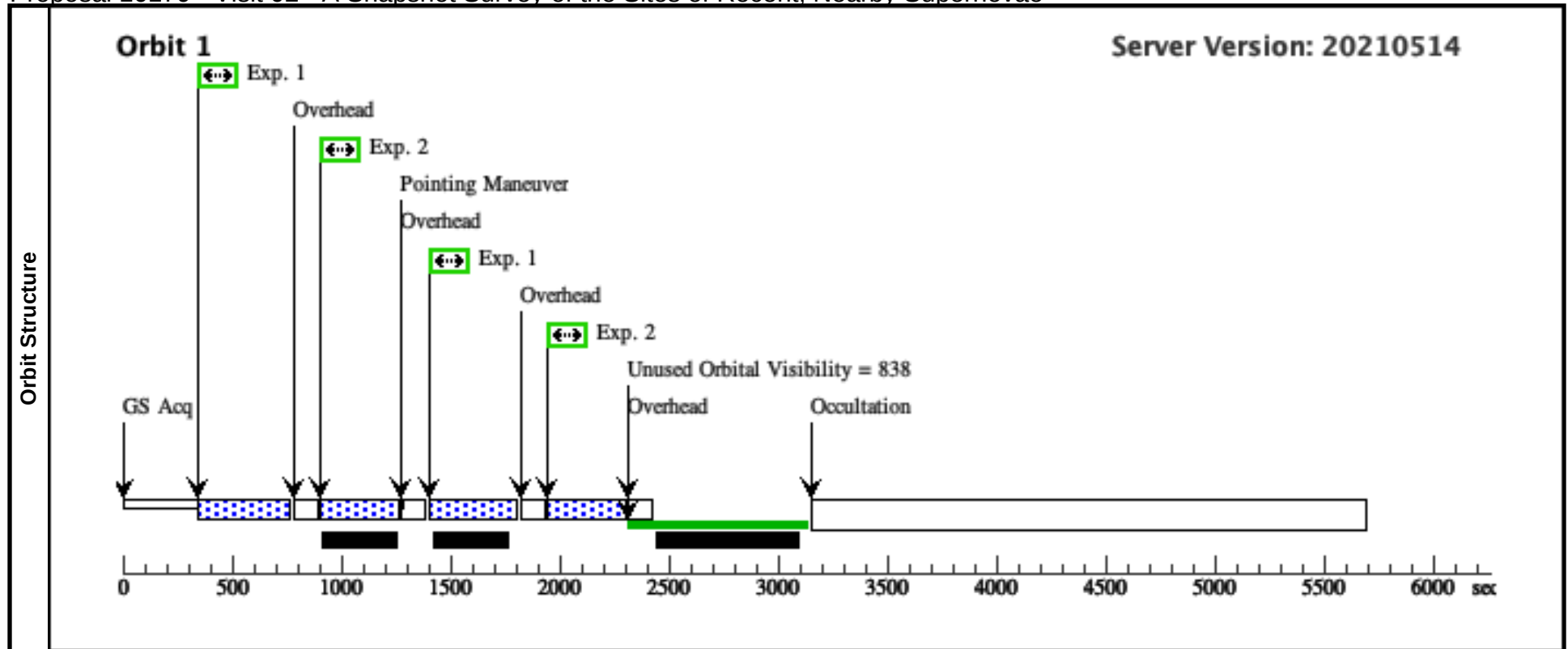
Proposal 16179 - Visit 55 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Visit	Proposal 16179, Visit 55										Wed Feb 02 21:01:02 GMT 2022		
	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			
	(1)	SN2005IP		RA: 09 32 6.4200 (143.0267500d) Dec: +08 26 44.40 (8.44567d) Equinox: J2000				V=25.0		Reference Frame: ICRS			
Comments: Category=STAR Description=[SUPERNOVA]													
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	F814W	(1) SN2005IP	WFC3/UVIS, ACCUM, UVIS		F814W	FLASH=10		Pattern 1, Exps 1-2 in Visit 55 (1)	390 Secs (780 Secs)			
										[=>(Pattern 1)] [=>(Pattern 2)]		[1]	
	2	F336W	(1) SN2005IP	WFC3/UVIS, ACCUM, UVIS		F336W	FLASH=18		Pattern 1, Exps 1-2 in Visit 55 (1)	355 Secs (710 Secs)			
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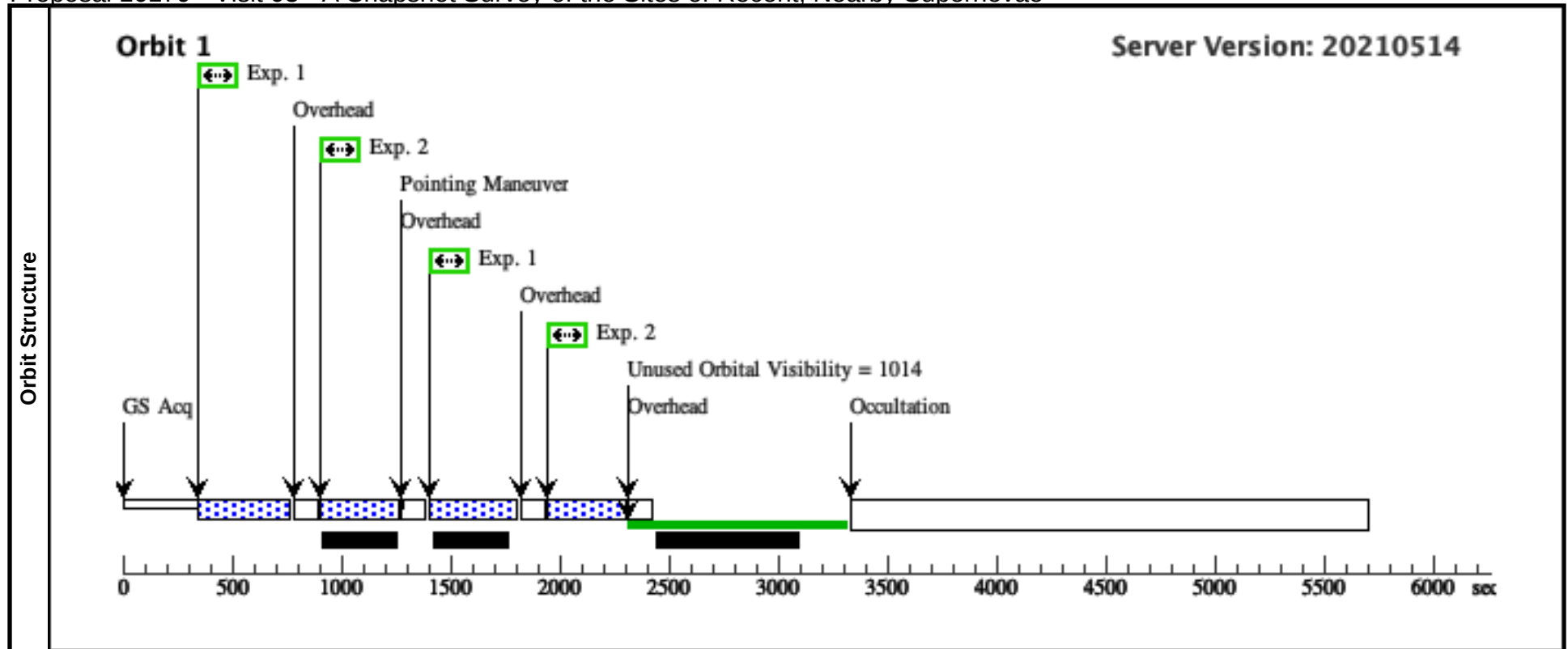
Proposal 16179 - Visit 02 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Visit	Proposal 16179, Visit 02, completed										Wed Feb 02 21:01:02 GMT 2022		
	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			
	(2)	AT2018COW		RA: 16 16 0.2540 (244.0010583d) Dec: +22 16 5.10 (22.26808d) Equinox: J2000				V=25.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[SUPERNOVA]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	F814W	(2) AT2018COW	WFC3/UVIS, ACCUM, UVIS		F814W	FLASH=10		Pattern 1, Exps 1-2 in Visit 02 (1)	390 Secs (780 Secs)			
										[=>(Pattern 1)] [=>(Pattern 2)]		[1]	
	2	F555W	(2) AT2018COW	WFC3/UVIS, ACCUM, UVIS		F555W	FLASH=10		Pattern 1, Exps 1-2 in Visit 02 (1)	355 Secs (710 Secs)			
										[=>(Pattern 1)] [=>(Pattern 2)]		[1]	



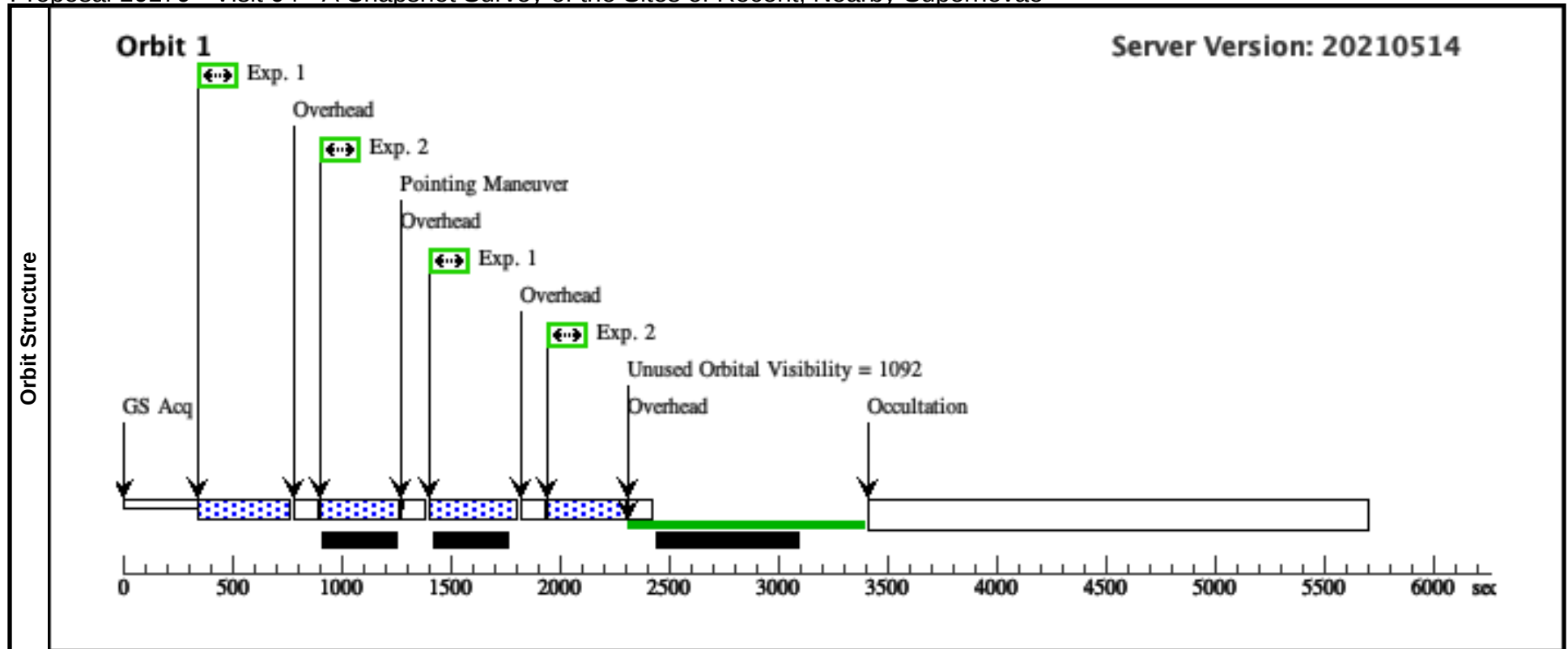
Proposal 16179 - Visit 03 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Visit	Proposal 16179, Visit 03, scheduling										Wed Feb 02 21:01:02 GMT 2022		
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	Scientific Instruments: WFC3/UVIS												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
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Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(3)	SN2015AS		RA: 10 08 11.3690 (152.0473708d) Dec: +51 50 40.88 (51.84469d) Equinox: J2000				V=25.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[SUPERNOVA]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	F814W	(3) SN2015AS	WFC3/UVIS, ACCUM, UVIS		F814W	FLASH=10		Pattern 1, Exps 1-2 in Visit 03 (1)	390 Secs (780 Secs)			
										[=>(Pattern 1)] [=>(Pattern 2)]		[1]	
	2	F555W	(3) SN2015AS	WFC3/UVIS, ACCUM, UVIS		F555W	FLASH=10		Pattern 1, Exps 1-2 in Visit 03 (1)	355 Secs (710 Secs)			
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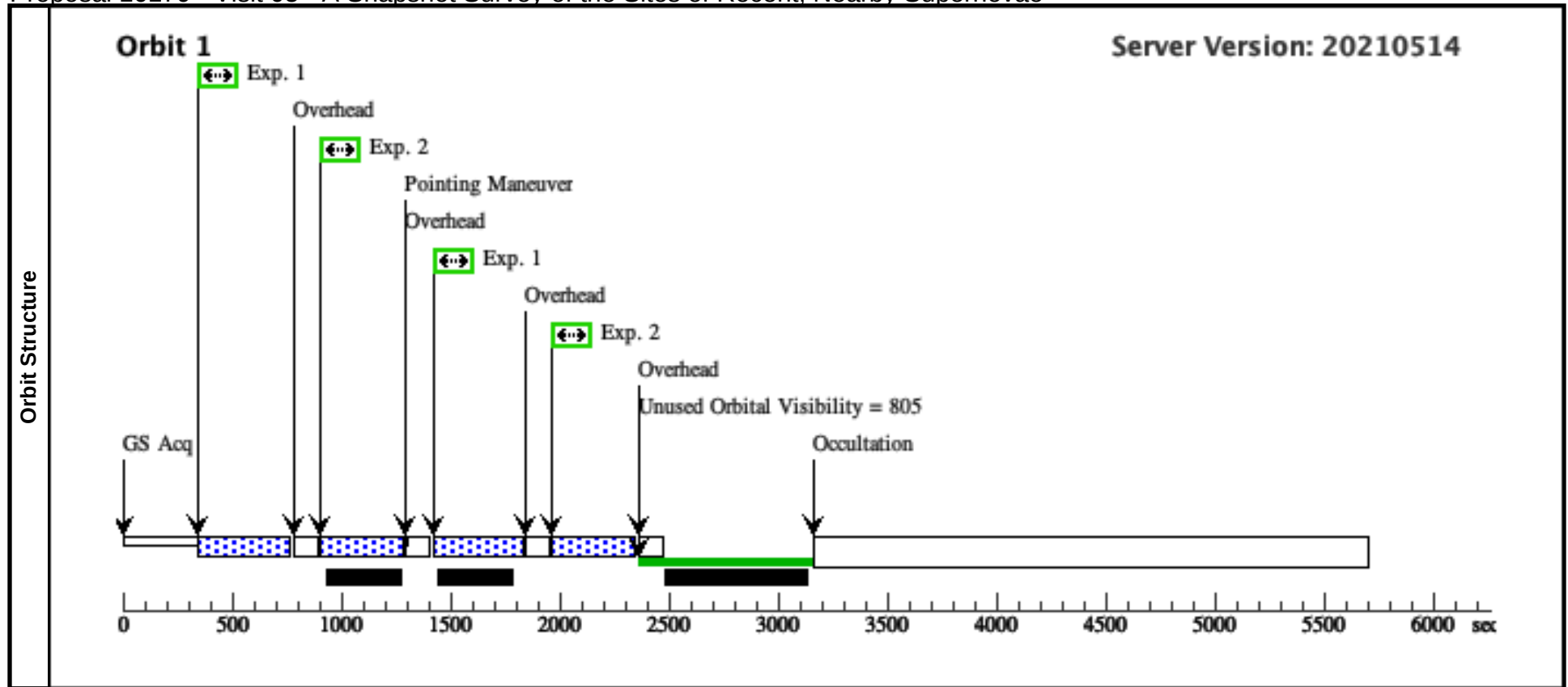
Proposal 16179 - Visit 04 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Visit	Proposal 16179, Visit 04, completed										Wed Feb 02 21:01:02 GMT 2022		
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	Scientific Instruments: WFC3/UVIS												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
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Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(4)	SN2017EAW		RA: 20 34 44.2380 (308.6843250d) Dec: +60 11 36.00 (60.19333d) Equinox: J2000				V=25.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[SUPERNOVA]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	F814W	(4) SN2017EAW	WFC3/UVIS, ACCUM, UVIS		F814W	FLASH=10		Pattern 1, Exps 1-2 in Visit 04 (1)	390 Secs (780 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	
	2	F555W	(4) SN2017EAW	WFC3/UVIS, ACCUM, UVIS		F555W	FLASH=10		Pattern 1, Exps 1-2 in Visit 04 (1)	355 Secs (710 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	



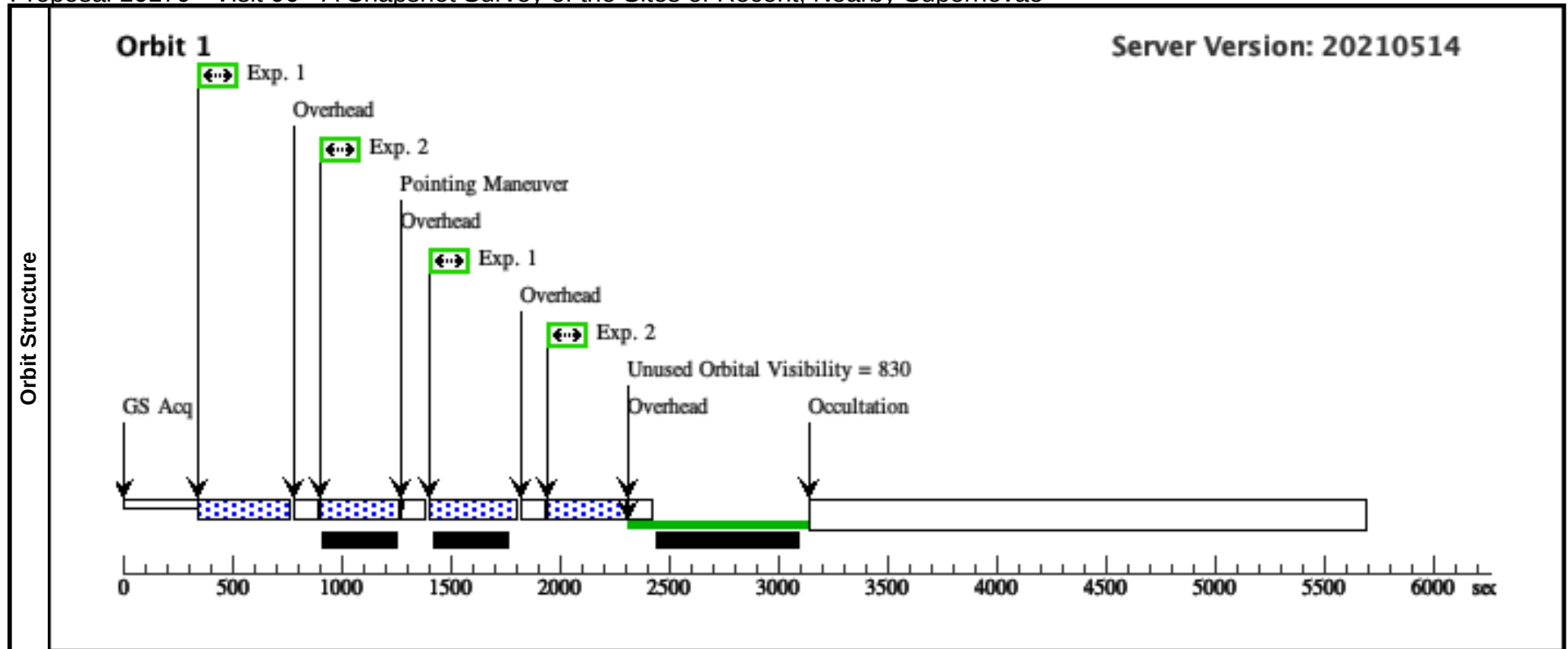
Proposal 16179 - Visit 05 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Visit	Proposal 16179, Visit 05, completed										Wed Feb 02 21:01:02 GMT 2022			
	Diagnostic Status: Warning													
	Scientific Instruments: WFC3/UVIS													
	Special Requirements: (none)													
Diagnostics	(F606W (05.001)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser													
Patterns	#	Primary Pattern						Secondary Pattern				Exposures		
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Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous				
	(5)	SN2016GKG		RA: 01 34 14.4600 (23.5602500d) Dec: -29 26 25.00 (-29.44028d) Equinox: J2000				V=25.0		Reference Frame: ICRS				
	Comments: Category=STAR Description=[SUPERNOVA]													
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit		
	1	F606W	(5) SN2016GKG	WFC3/UVIS, ACCUM, UVIS		F606W	FLASH=10		Pattern 1, Exps 1-2 in Visit 05 (1)	390 Secs (780 Secs)				
										[==>(Pattern 1)]		[1]		
										[==>(Pattern 2)]				
	2	F438W	(5) SN2016GKG	WFC3/UVIS, ACCUM, UVIS		F438W	FLASH=15		Pattern 1, Exps 1-2 in Visit 05 (1)	355 Secs (710 Secs)				
									[==>(Pattern 1)]		[1]			
									[==>(Pattern 2)]					



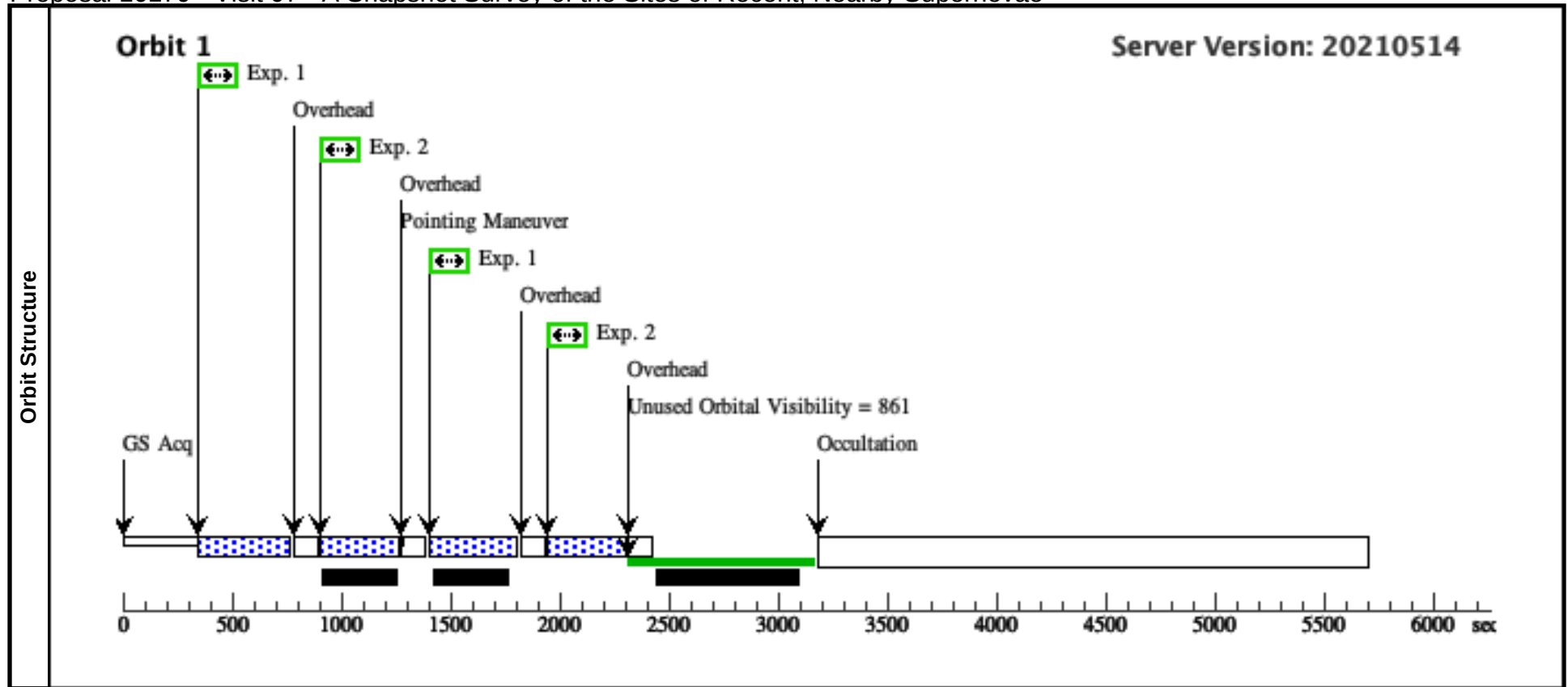
Proposal 16179 - Visit 06 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Visit	Proposal 16179, Visit 06, completed										Wed Feb 02 21:01:02 GMT 2022		
	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)	SN2012AW		RA: 10 43 53.7350 (160.9738958d) Dec: +11 40 17.63 (11.67156d) Equinox: J2000				V=25.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[SUPERNOVA]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	F814W	(6) SN2012AW	WFC3/UVIS, ACCUM, UVIS		F814W	FLASH=10		Pattern 1, Exps 1-2 in Visit 06 (1)	390 Secs (780 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	
	2	F555W	(6) SN2012AW	WFC3/UVIS, ACCUM, UVIS		F555W	FLASH=10		Pattern 1, Exps 1-2 in Visit 06 (1)	355 Secs (710 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	



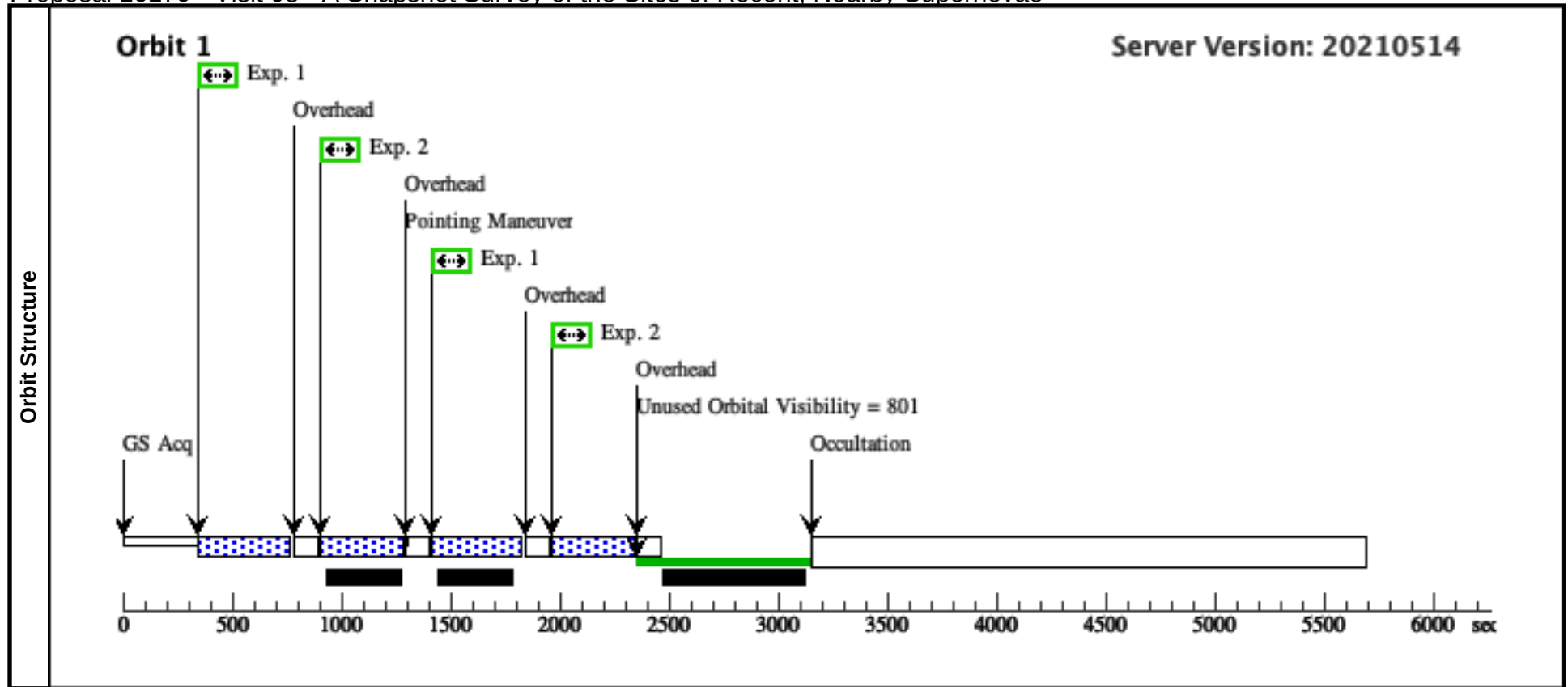
Proposal 16179 - Visit 07 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Visit	Proposal 16179, Visit 07, scheduling										Wed Feb 02 21:01:02 GMT 2022		
	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)	SN2008BK		RA: 23 57 50.4200 (359.4600833d) Dec: -32 33 21.50 (-32.55597d) Equinox: J2000				V=25.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[SUPERNOVA]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	F814W	(7) SN2008BK	WFC3/UVIS, ACCUM, UVIS		F814W	FLASH=10		Pattern 1, Exps 1-2 in Visit 07 (1)	390 Secs (780 Secs)			
										[=>(Pattern 1)] [=>(Pattern 2)]		[1]	
	2	F555W	(7) SN2008BK	WFC3/UVIS, ACCUM, UVIS		F555W	FLASH=10		Pattern 1, Exps 1-2 in Visit 07 (1)	355 Secs (710 Secs)			
										[=>(Pattern 1)] [=>(Pattern 2)]		[1]	



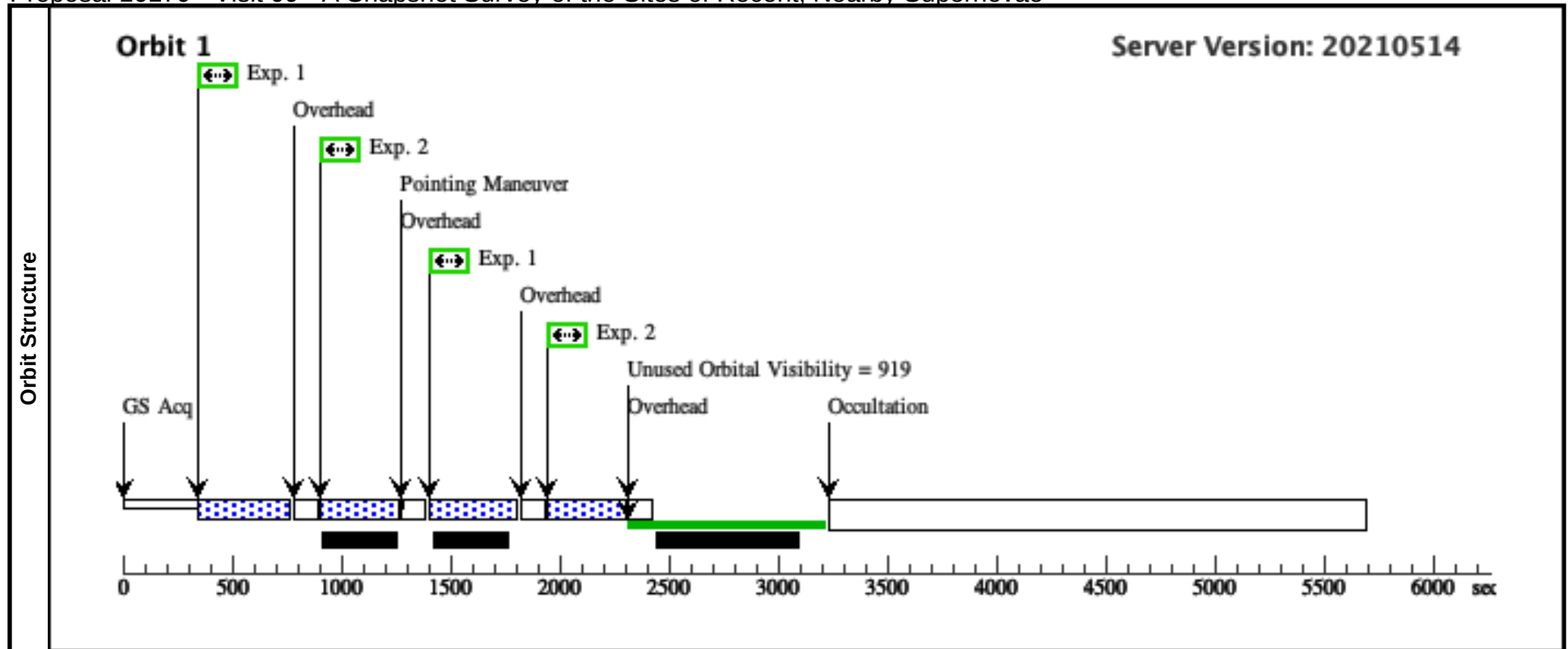
Proposal 16179 - Visit 08 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Visit	Proposal 16179, Visit 08, completed										Wed Feb 02 21:01:02 GMT 2022		
	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			
	(8)	SN2012A		RA: 10 25 7.3900 (156.2807917d) Dec: +17 09 14.62 (17.15406d) Equinox: J2000				V=25.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[SUPERNOVA]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	F814W	(8) SN2012A	WFC3/UVIS, ACCUM, UVIS		F814W	FLASH=10		Pattern 1, Exps 1-2 in Visit 08 (1)	390 Secs (780 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	
	2	F606W	(8) SN2012A	WFC3/UVIS, ACCUM, UVIS		F606W	FLASH=10		Pattern 1, Exps 1-2 in Visit 08 (1)	355 Secs (710 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	



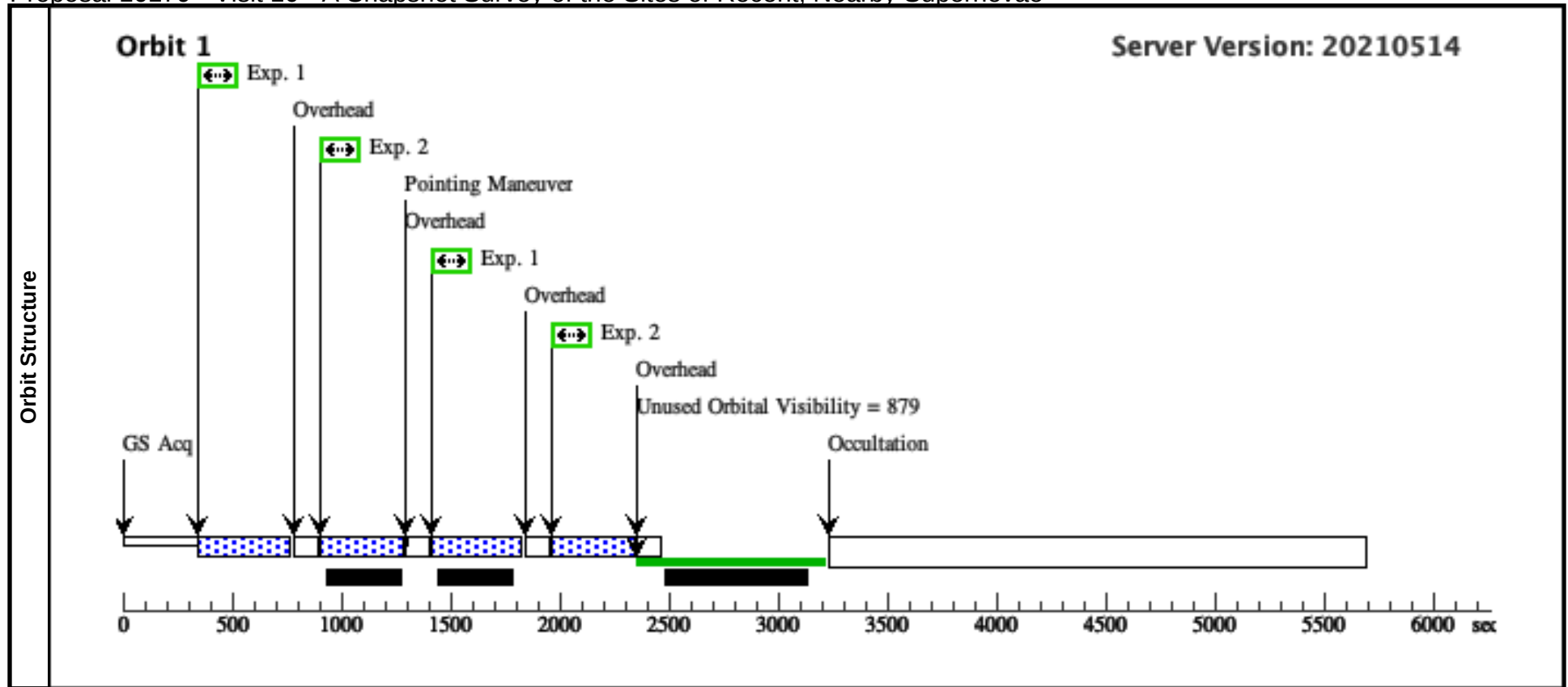
Proposal 16179 - Visit 09 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Visit	Proposal 16179, Visit 09, completed										Wed Feb 02 21:01:02 GMT 2022		
	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			
	(9)	SN2016BKV		RA: 10 18 19.3100 (154.5804583d) Dec: +41 25 39.30 (41.42758d) Equinox: J2000				V=25.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[SUPERNOVA]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	F814W	(9) SN2016BKV	WFC3/UVIS, ACCUM, UVIS		F814W	FLASH=10		Pattern 1, Exps 1-2 in Visit 09 (1)	390 Secs (780 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	
	2	F555W	(9) SN2016BKV	WFC3/UVIS, ACCUM, UVIS		F555W	FLASH=10		Pattern 1, Exps 1-2 in Visit 09 (1)	355 Secs (710 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	



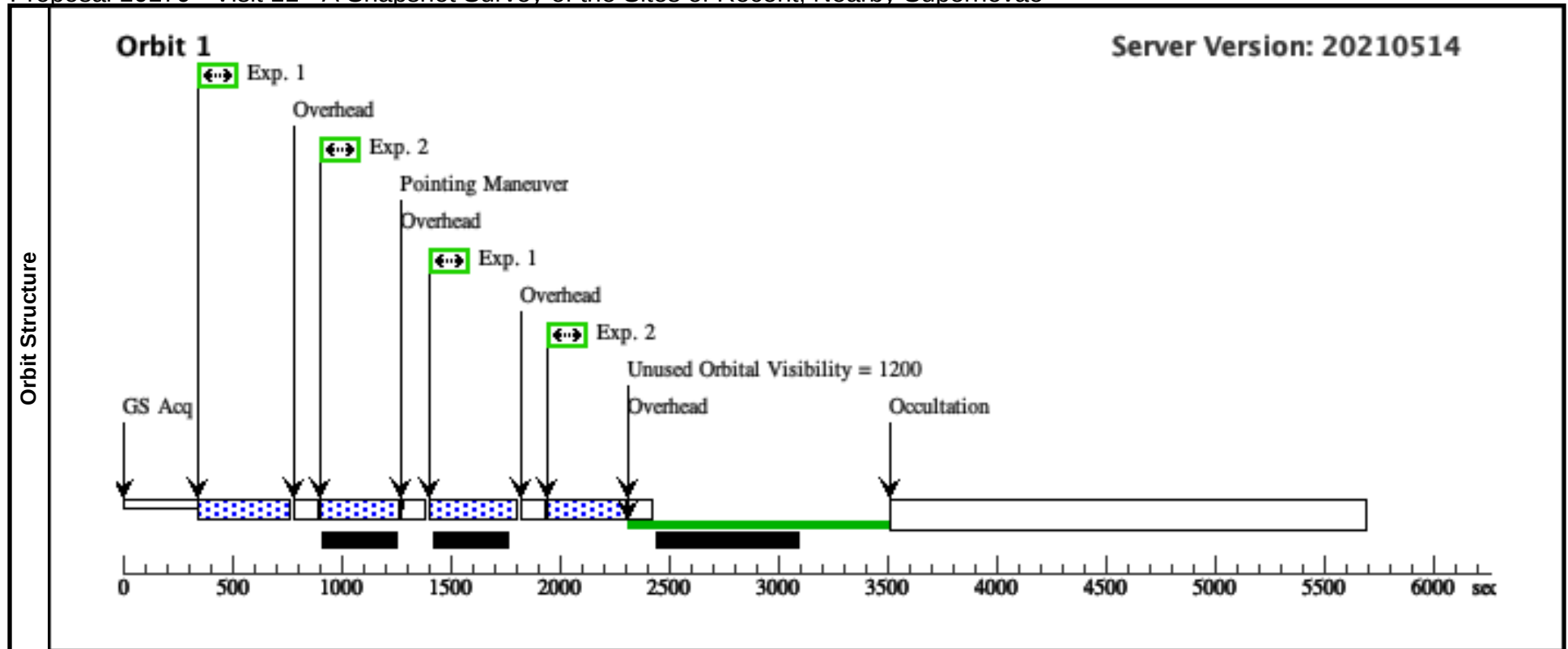
Proposal 16179 - Visit 10 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Visit	Proposal 16179, Visit 10, completed										Wed Feb 02 21:01:02 GMT 2022		
	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)	SN2016ADJ		RA: 13 25 24.1180 (201.3504917d) Dec: -43 00 57.96 (-43.01610d) Equinox: J2000					V=25.0		Reference Frame: ICRS		
	Comments: Category=STAR Description=[SUPERNOVA]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	F438W	(10) SN2016ADJ	WFC3/UVIS, ACCUM, UVIS		F438W	FLASH=15		Pattern 1, Exps 1-2 in Visit 10 (1)	390 Secs (780 Secs)			
										[=>(Pattern 1)] [=>(Pattern 2)]		[1]	
	2	F555W	(10) SN2016ADJ	WFC3/UVIS, ACCUM, UVIS		F555W	FLASH=10		Pattern 1, Exps 1-2 in Visit 10 (1)	355 Secs (710 Secs)			
										[=>(Pattern 1)] [=>(Pattern 2)]		[1]	



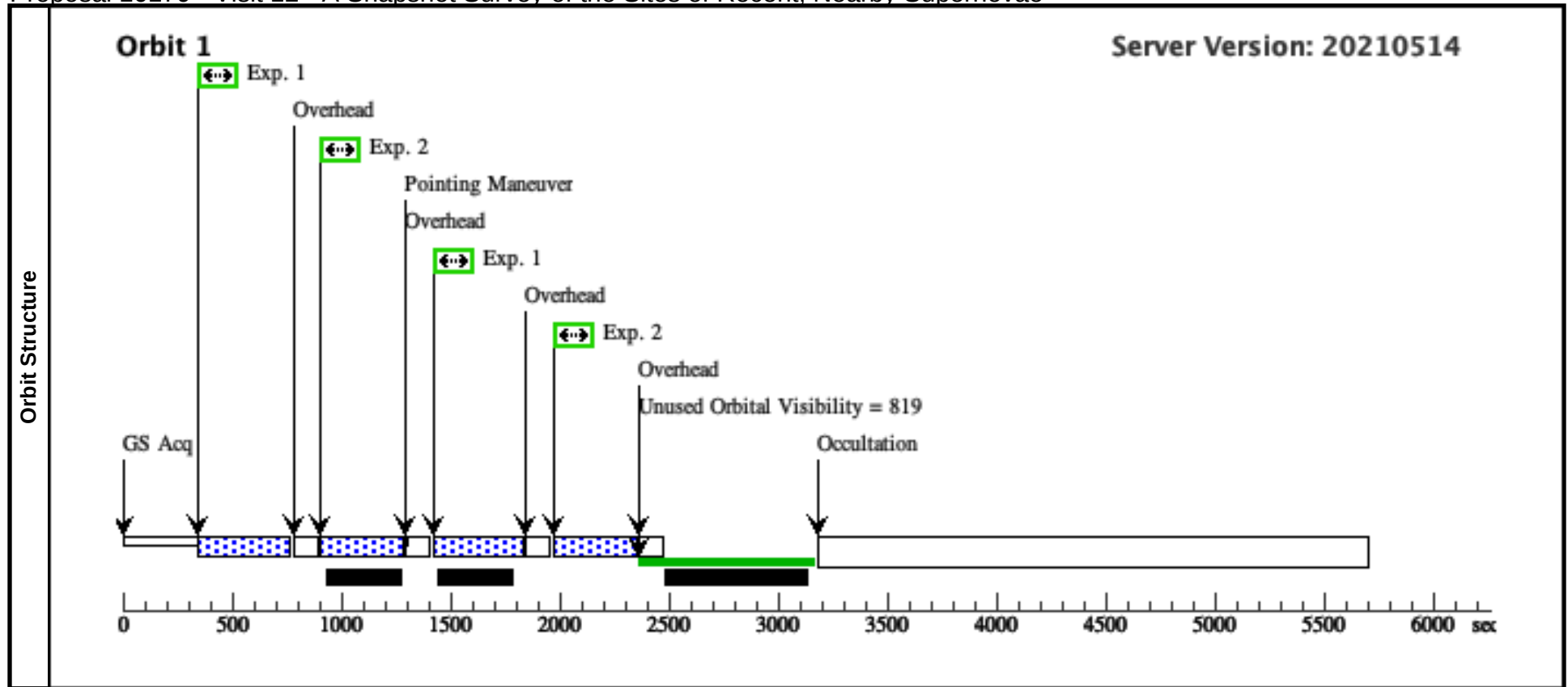
Proposal 16179 - Visit 11 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Visit	Proposal 16179, Visit 11, completed										Wed Feb 02 21:01:02 GMT 2022		
	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			
	(11)	SN2017GKK		RA: 09 13 44.7400 (138.4364167d) Dec: +76 28 44.10 (76.47892d) Equinox: J2000				V=25.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[SUPERNOVA]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	F814W	(11) SN2017GKK	WFC3/UVIS, ACCUM, UVIS		F814W	FLASH=10		Pattern 1, Exps 1-2 in Visit 11 (1)	390 Secs (780 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	
	2	F555W	(11) SN2017GKK	WFC3/UVIS, ACCUM, UVIS		F555W	FLASH=10		Pattern 1, Exps 1-2 in Visit 11 (1)	355 Secs (710 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	



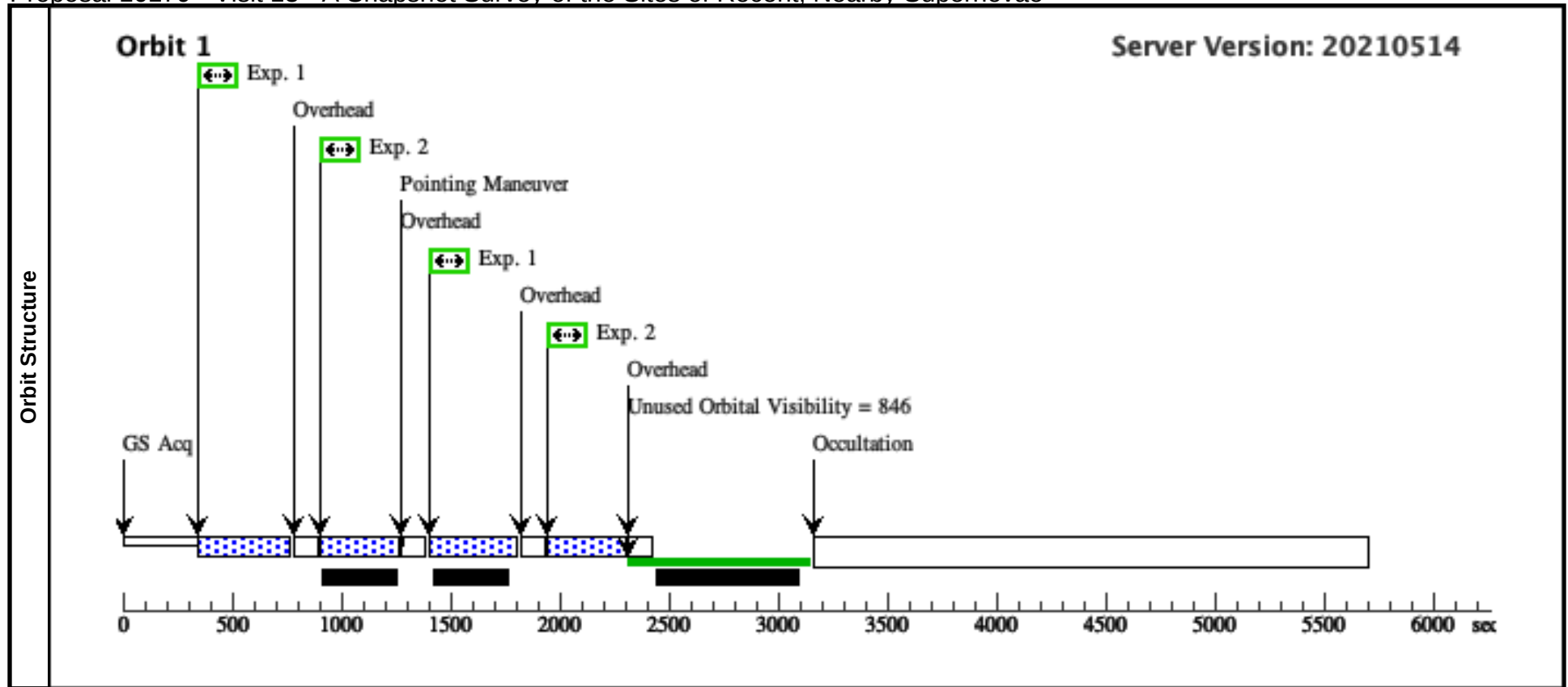
Proposal 16179 - Visit 12 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Visit	Proposal 16179, Visit 12, completed										Wed Feb 02 21:01:02 GMT 2022		
	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)	SN2013DF		RA: 12 26 29.5200 (186.6230000d) Dec: +31 13 37.50 (31.22708d) Equinox: J2000				V=25.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[SUPERNOVA]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	F336W	(12) SN2013DF	WFC3/UVIS, ACCUM, UVIS		F336W	FLASH=18		Pattern 1, Exps 1-2 in Visit 12 (1)	390 Secs (780 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	
	2	F555W	(12) SN2013DF	WFC3/UVIS, ACCUM, UVIS		F555W	FLASH=10		Pattern 1, Exps 1-2 in Visit 12 (1)	355 Secs (710 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	



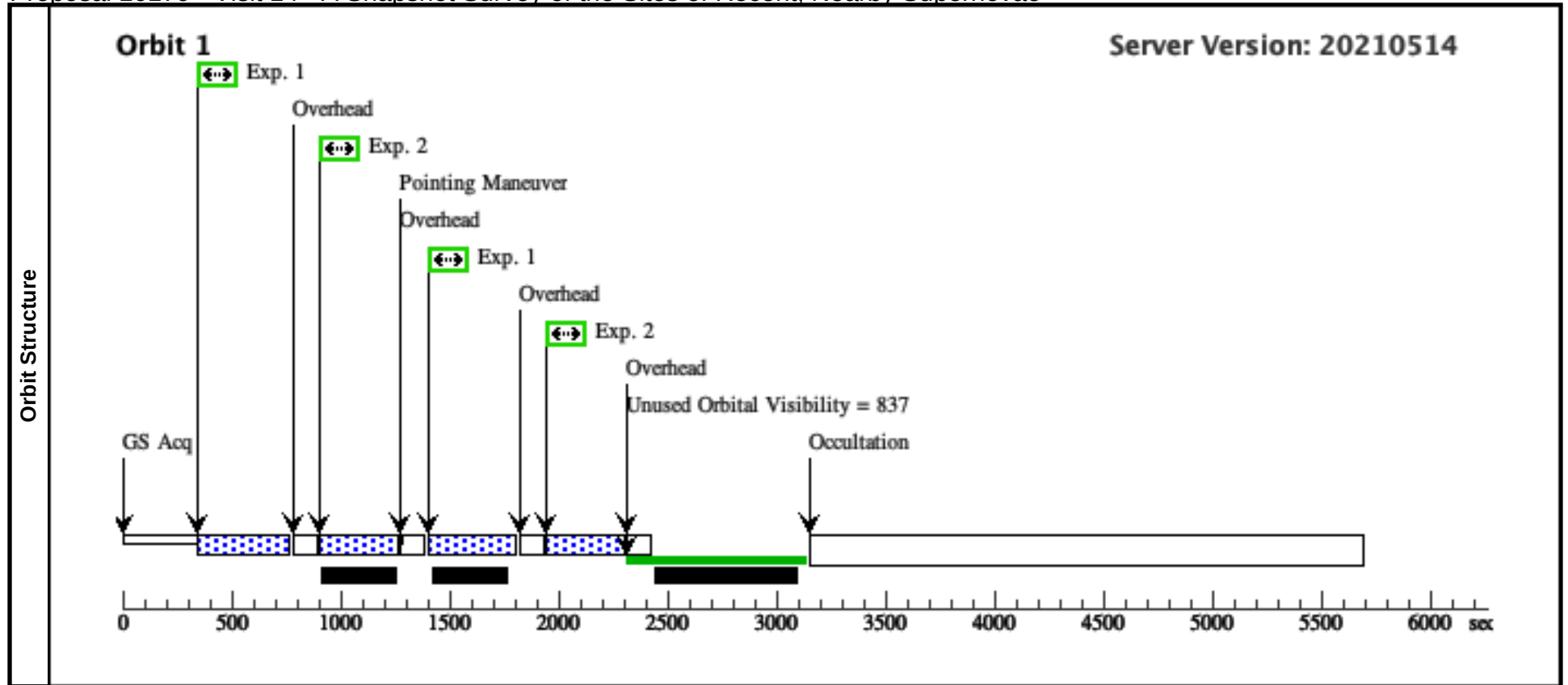
Proposal 16179 - Visit 13 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Visit	Proposal 16179, Visit 13, scheduling										Wed Feb 02 21:01:02 GMT 2022
	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		
	(13)	SN2009IP	RA: 22 23 8.2600 (335.7844167d) Dec: -28 56 52.40 (-28.94789d) Equinox: J2000				V=25.0		Reference Frame: ICRS		
	Comments: Category=STAR Description=[SUPERNOVA]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	F814W	(13) SN2009IP	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=10		Pattern 1, Exps 1-2 in Visit 13 (1)	390 Secs (780 Secs)		
									[=>(Pattern 1)] [=>(Pattern 2)]		[1]
	2	F555W	(13) SN2009IP	WFC3/UVIS, ACCUM, UVIS	F555W	FLASH=10		Pattern 1, Exps 1-2 in Visit 13 (1)	355 Secs (710 Secs)		
									[=>(Pattern 1)] [=>(Pattern 2)]		[1]



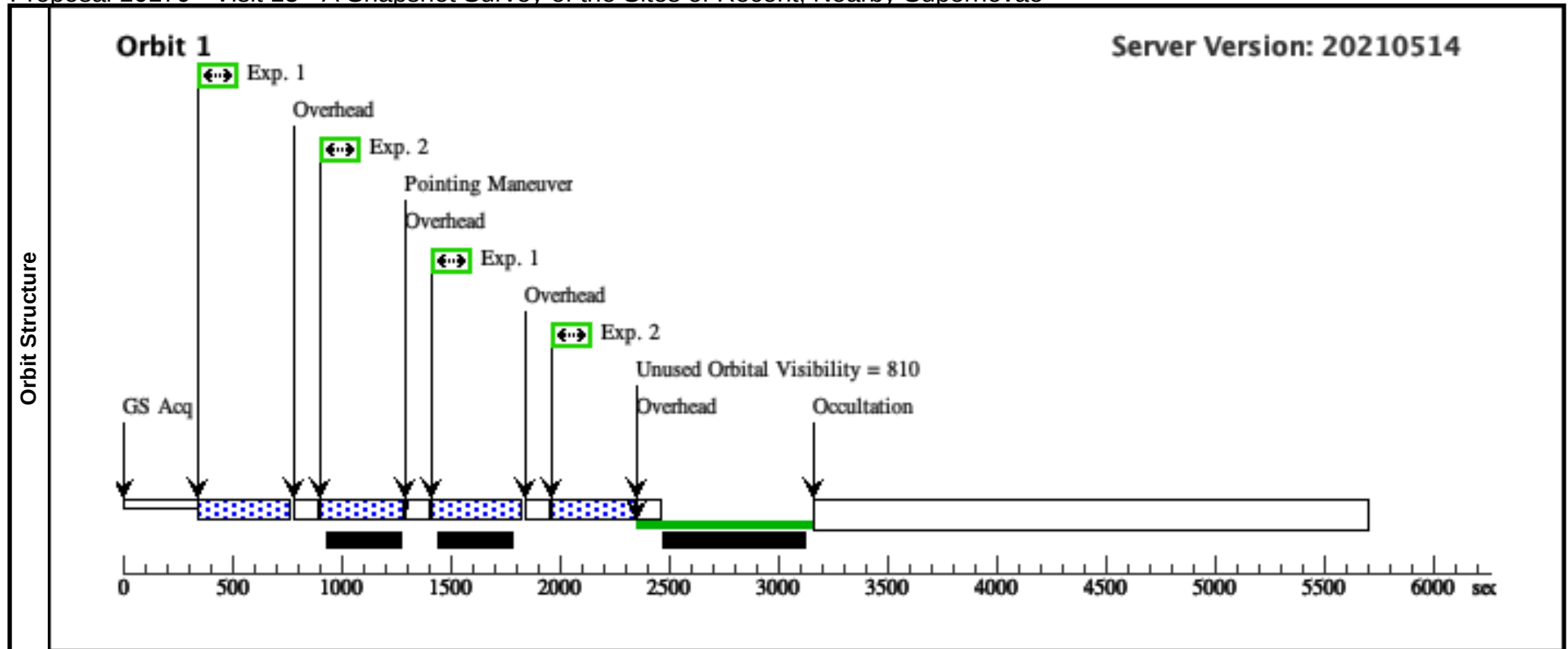
Proposal 16179 - Visit 14 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Visit	Proposal 16179, Visit 14, completed										Wed Feb 02 21:01:02 GMT 2022		
	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)	SN2013EJ		RA: 01 36 48.1600 (24.2006667d) Dec: +15 45 31.00 (15.75861d) Equinox: J2000				V=25.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[SUPERNOVA]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	F814W	(14) SN2013EJ	WFC3/UVIS, ACCUM, UVIS		F814W	FLASH=10		Pattern 1, Exps 1-2 in Visit 14 (1)	390 Secs (780 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	
	2	F555W	(14) SN2013EJ	WFC3/UVIS, ACCUM, UVIS		F555W	FLASH=10		Pattern 1, Exps 1-2 in Visit 14 (1)	355 Secs (710 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	



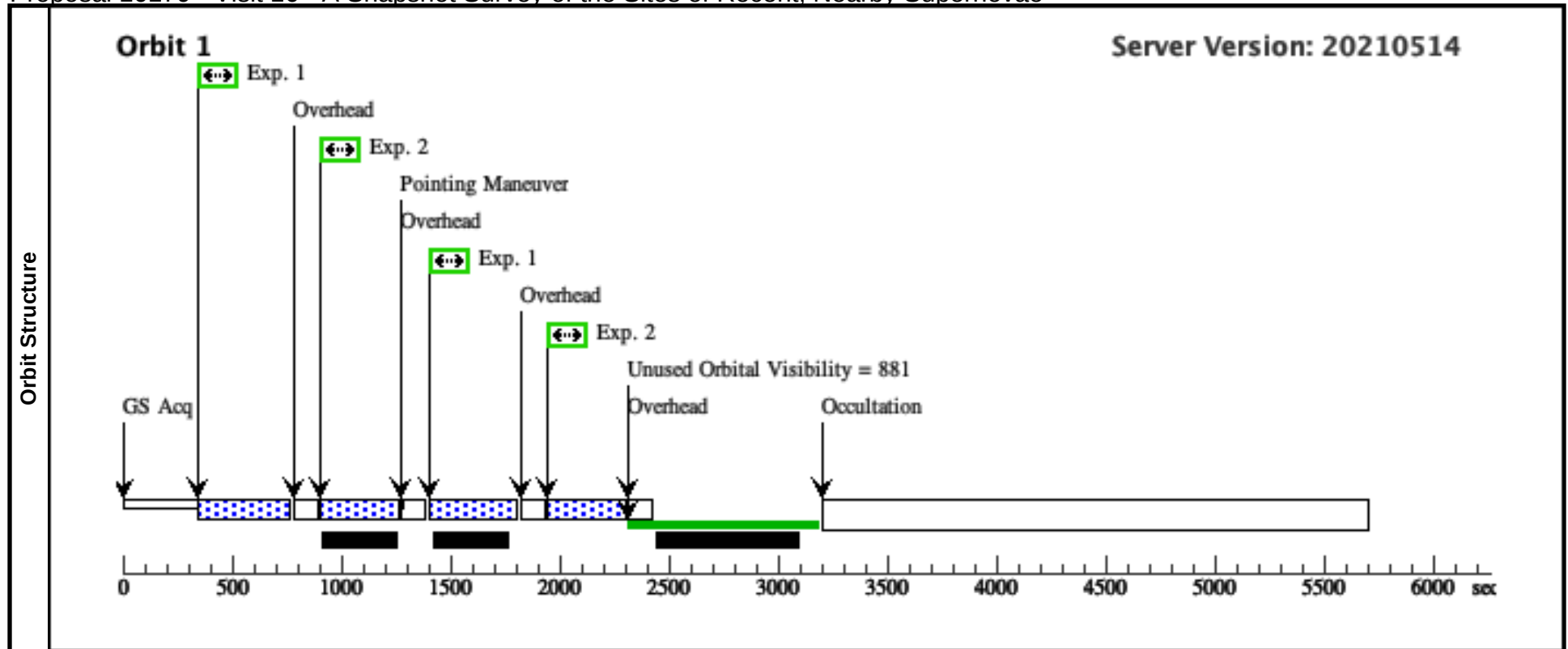
Proposal 16179 - Visit 15 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Visit	Proposal 16179, Visit 15, completed										Wed Feb 02 21:01:02 GMT 2022		
	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			
	(15)	NGC4559-OT		RA: 12 35 52.2600 (188.9677500d) Dec: +27 55 55.30 (27.93203d) Equinox: J2000				V=25.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[SUPERNOVA]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	F814W	(15) NGC4559-OT	WFC3/UVIS, ACCUM, UVIS		F814W	FLASH=10		Pattern 1, Exps 1-2 in Visit 15 (1)	390 Secs (780 Secs)			
										[=>(Pattern 1)]		[1]	
										[=>(Pattern 2)]			
	2	F606W	(15) NGC4559-OT	WFC3/UVIS, ACCUM, UVIS		F606W	FLASH=10		Pattern 1, Exps 1-2 in Visit 15 (1)	355 Secs (710 Secs)			
										[=>(Pattern 1)]		[1]	
										[=>(Pattern 2)]			



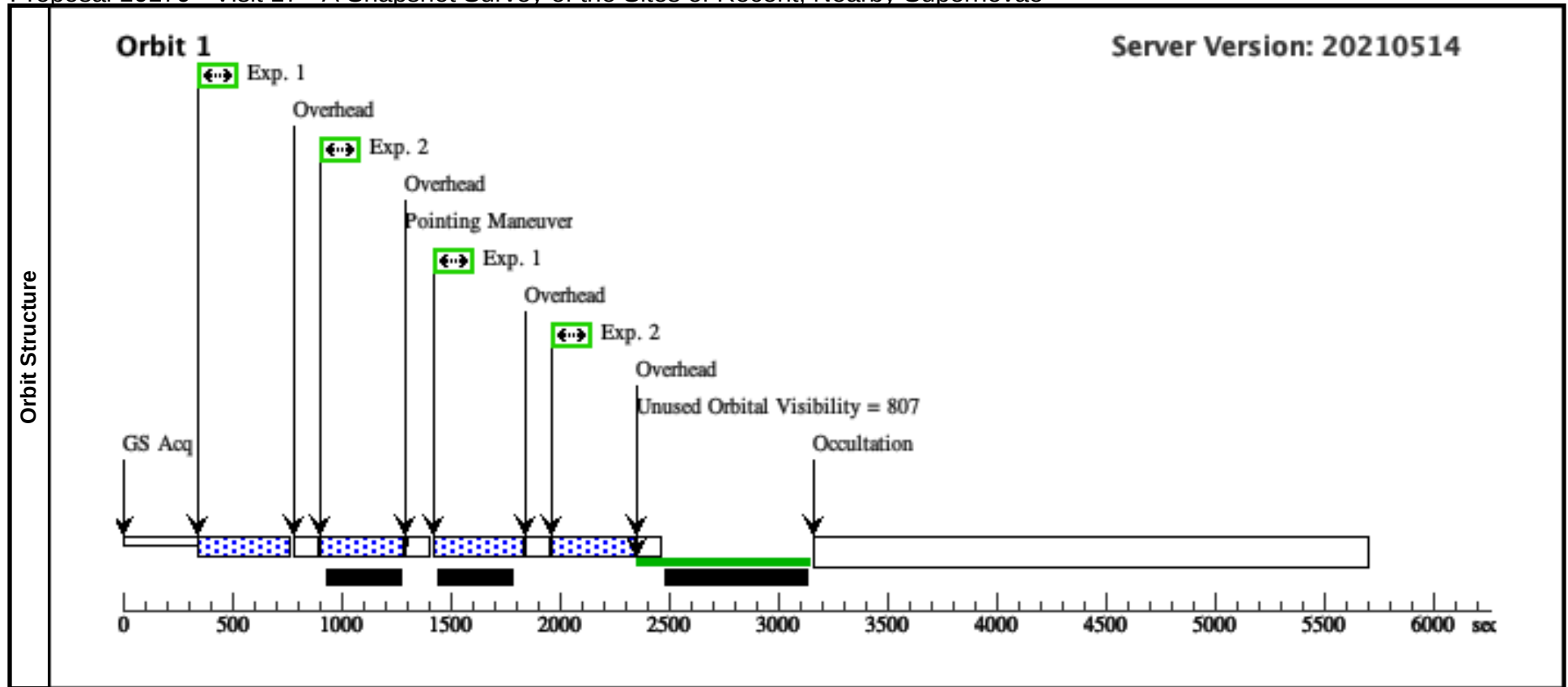
Proposal 16179 - Visit 16 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Visit	Proposal 16179, Visit 16, completed										Wed Feb 02 21:01:03 GMT 2022		
	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			
	(16)	SN2000CH		RA: 10 52 41.4000 (163.1725000d) Dec: +36 40 8.50 (36.66903d) Equinox: J2000				V=25.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[SUPERNOVA]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	F814W	(16) SN2000CH	WFC3/UVIS, ACCUM, UVIS		F814W	FLASH=10		Pattern 1, Exps 1-2 in Visit 16 (1)	390 Secs (780 Secs)			
										[=>(Pattern 1)] [=>(Pattern 2)]		[1]	
	2	F555W	(16) SN2000CH	WFC3/UVIS, ACCUM, UVIS		F555W	FLASH=10		Pattern 1, Exps 1-2 in Visit 16 (1)	355 Secs (710 Secs)			
										[=>(Pattern 1)] [=>(Pattern 2)]		[1]	



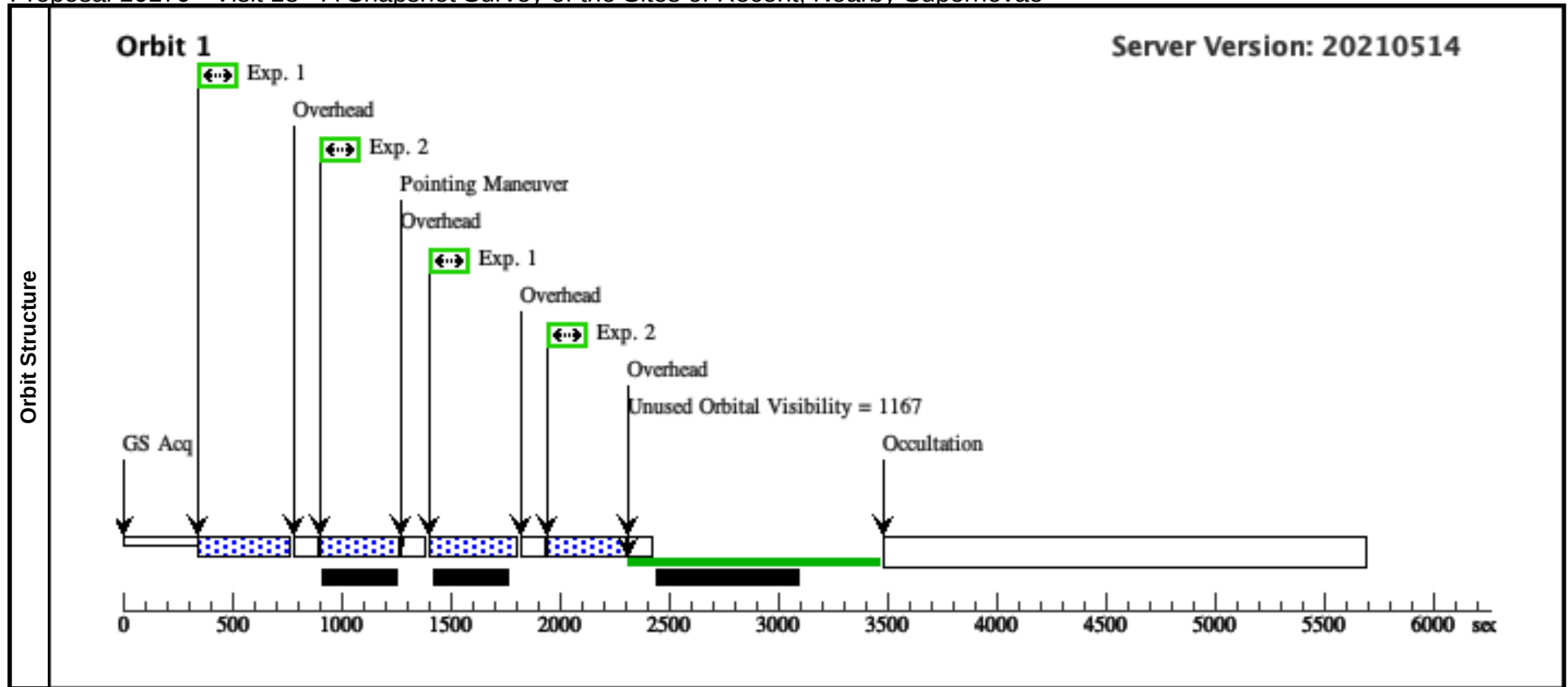
Proposal 16179 - Visit 17 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Visit	Proposal 16179, Visit 17, completed										Wed Feb 02 21:01:03 GMT 2022		
	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			
	(17)	SN2015CP		RA: 03 09 12.7400 (47.3030833d) Dec: +27 31 16.90 (27.52136d) Equinox: J2000				V=25.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[SUPERNOVA]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	F625W	(17) SN2015CP	WFC3/UVIS, ACCUM, UVIS		F625W	FLASH=10		Pattern 1, Exps 1-2 in Visit 17 (1)	390 Secs (780 Secs)			
										[==>(Pattern 1)]		[1]	
										[==>(Pattern 2)]			
	2	F275W	(17) SN2015CP	WFC3/UVIS, ACCUM, UVIS		F275W	FLASH=18		Pattern 1, Exps 1-2 in Visit 17 (1)	355 Secs (710 Secs)			
										[==>(Pattern 1)]		[1]	
										[==>(Pattern 2)]			



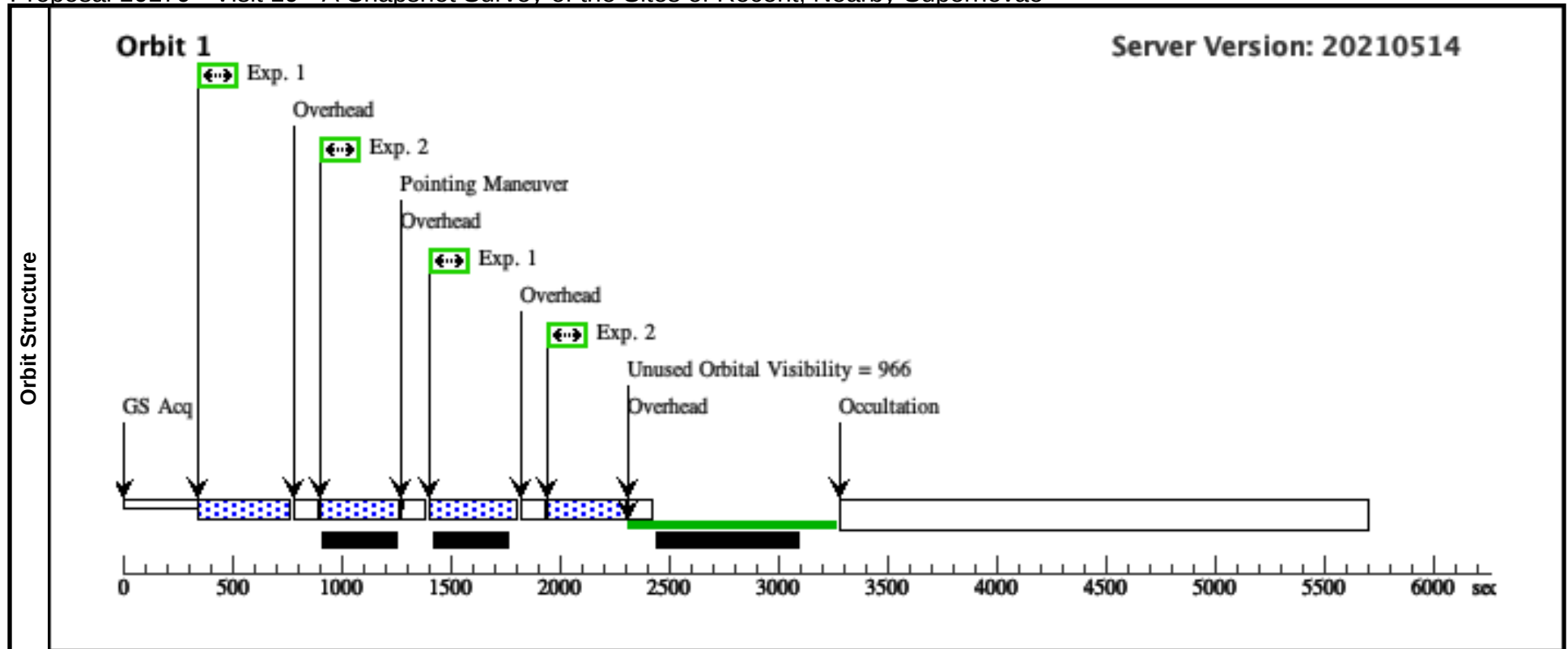
Proposal 16179 - Visit 18 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Visit	Proposal 16179, Visit 18, completed										Wed Feb 02 21:01:03 GMT 2022		
	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			
	(18)	SN2016COJ		RA: 12 08 6.8000 (182.0283333d) Dec: +65 10 38.24 (65.17729d) Equinox: J2000				V=25.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[SUPERNOVA]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	F814W	(18) SN2016COJ	WFC3/UVIS, ACCUM, UVIS		F814W	FLASH=10		Pattern 1, Exps 1-2 in Visit 18 (1)	390 Secs (780 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	
	2	F555W	(18) SN2016COJ	WFC3/UVIS, ACCUM, UVIS		F555W	FLASH=10		Pattern 1, Exps 1-2 in Visit 18 (1)	355 Secs (710 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	



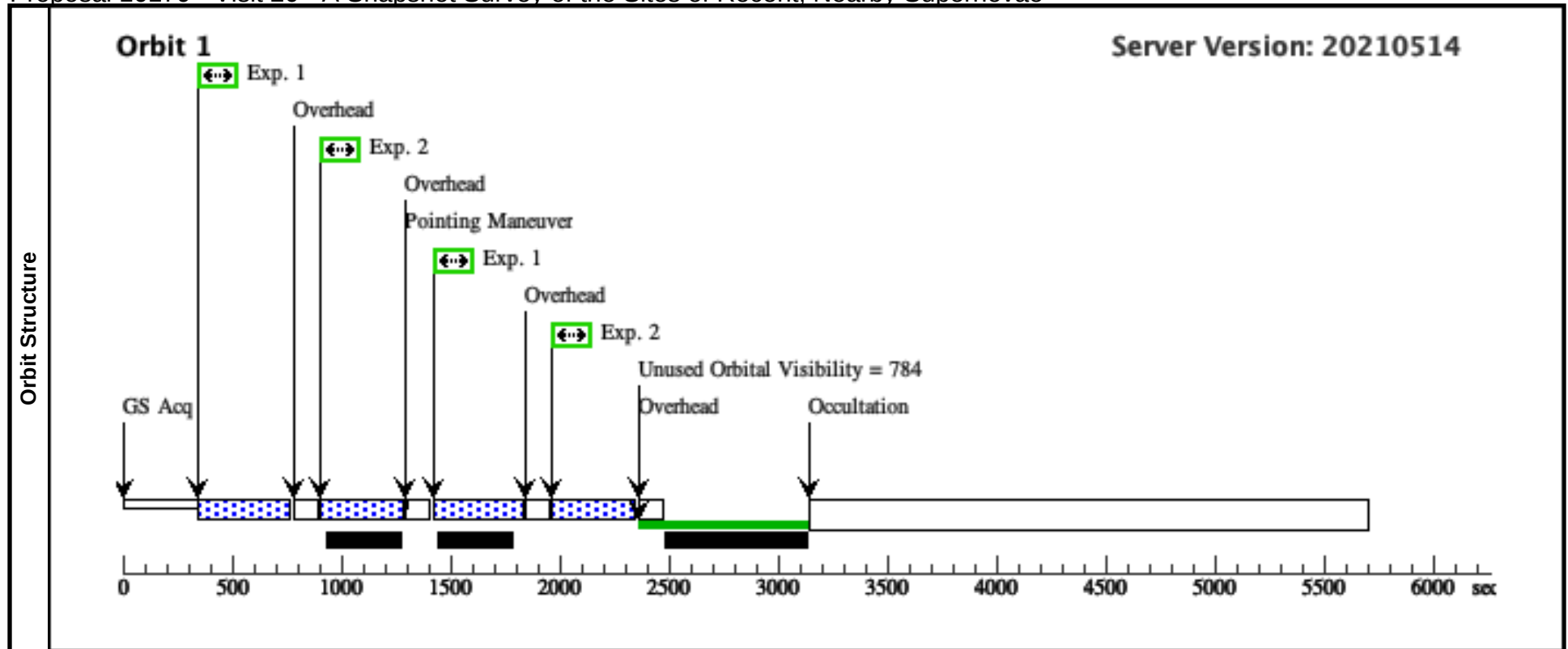
Proposal 16179 - Visit 19 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Visit	Proposal 16179, Visit 19, completed										Wed Feb 02 21:01:03 GMT 2022		
	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			
	(19)	SN2010MC		RA: 17 21 30.6800 (260.3778333d) Dec: +48 07 47.40 (48.12983d) Equinox: J2000				V=25.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[SUPERNOVA]												
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=10		Pattern 1, Exps 1-2 in Visit 19 (1)	390 Secs (780 Secs)			
										[==>(Pattern 1)]		[1]	
										[==>(Pattern 2)]			
	2	F555W	(19) SN2010MC	WFC3/UVIS, ACCUM, UVIS		F555W	FLASH=10		Pattern 1, Exps 1-2 in Visit 19 (1)	355 Secs (710 Secs)			
										[==>(Pattern 1)]		[1]	
										[==>(Pattern 2)]			



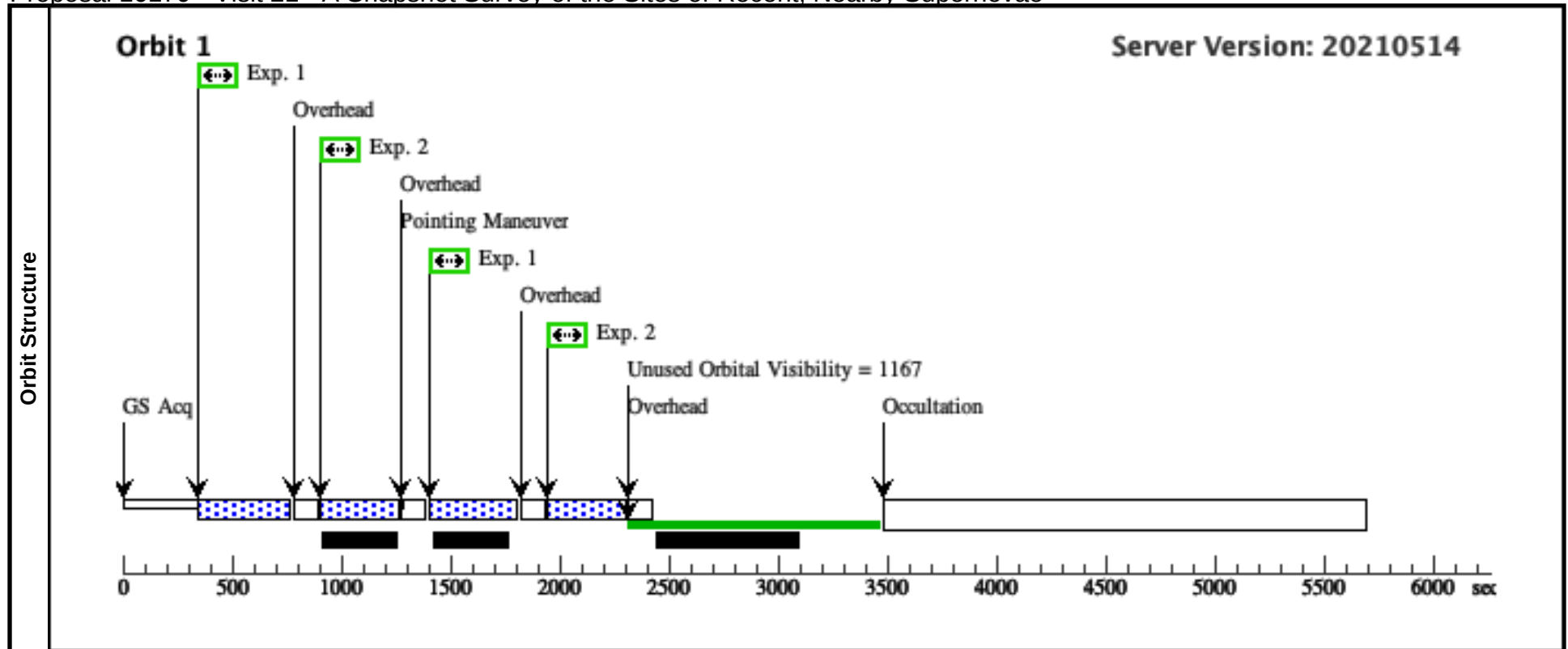
Proposal 16179 - Visit 20 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Visit	Proposal 16179, Visit 20, completed										Wed Feb 02 21:01:03 GMT 2022		
	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			
	(20)	SN2010JL		RA: 09 42 53.3300 (145.7222083d) Dec: +09 29 41.80 (9.49494d) Equinox: J2000				V=25.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[SUPERNOVA]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	F814W	(20) SN2010JL	WFC3/UVIS, ACCUM, UVIS		F814W	FLASH=10		Pattern 1, Exps 1-2 in Visit 20 (1)	390 Secs (780 Secs)			
										[=>(Pattern 1)] [=>(Pattern 2)]		[1]	
	2	F336W	(20) SN2010JL	WFC3/UVIS, ACCUM, UVIS		F336W	FLASH=18		Pattern 1, Exps 1-2 in Visit 20 (1)	355 Secs (710 Secs)			
										[=>(Pattern 1)] [=>(Pattern 2)]		[1]	



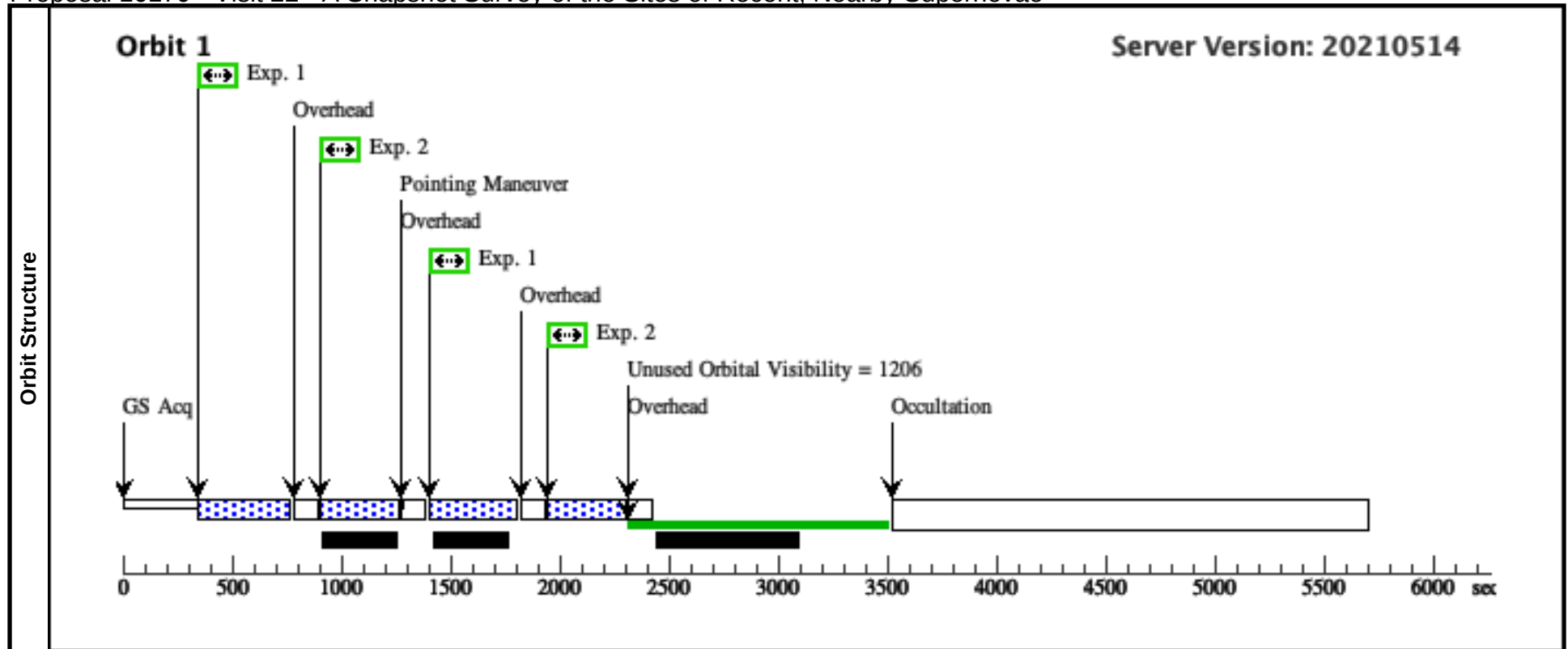
Proposal 16179 - Visit 21 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Visit	Proposal 16179, Visit 21, completed										Wed Feb 02 21:01:03 GMT 2022		
	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			
	(21)	SN2016JBU		RA: 07 36 25.9550 (114.1081458d) Dec: -69 32 55.25 (-69.54868d) Equinox: J2000				V=25.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[SUPERNOVA]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	F814W	(21) SN2016JBU	WFC3/UVIS, ACCUM, UVIS		F814W	FLASH=10		Pattern 1, Exps 1-2 in Visit 21 (1)	390 Secs (780 Secs)			
										[=>(Pattern 1)] [=>(Pattern 2)]		[1]	
	2	F555W	(21) SN2016JBU	WFC3/UVIS, ACCUM, UVIS		F555W	FLASH=10		Pattern 1, Exps 1-2 in Visit 21 (1)	355 Secs (710 Secs)			
										[=>(Pattern 1)] [=>(Pattern 2)]		[1]	



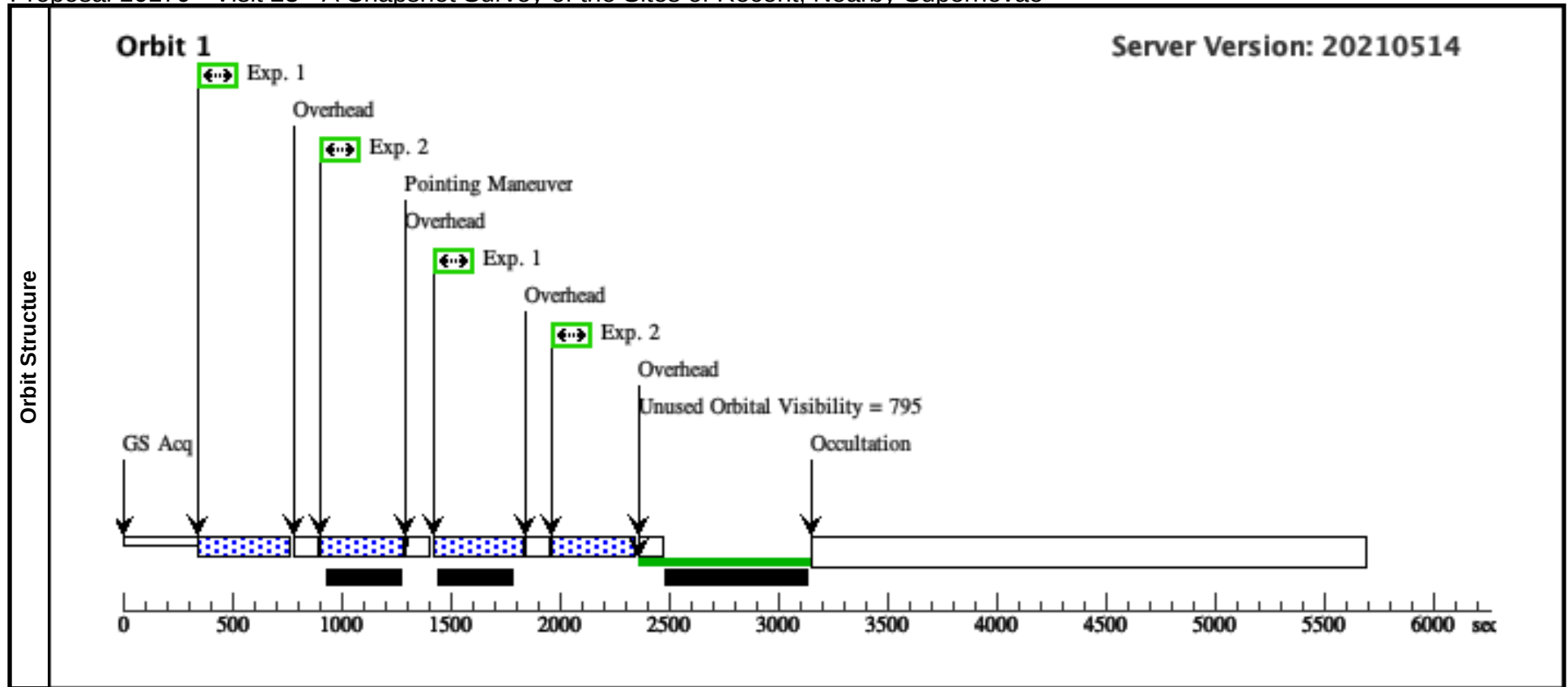
Proposal 16179 - Visit 22 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Visit	Proposal 16179, Visit 22, completed										Wed Feb 02 21:01:03 GMT 2022		
	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			
	(22)	SN2017CFD		RA: 08 40 49.0900 (130.2045417d) Dec: +73 29 15.10 (73.48753d) Equinox: J2000				V=25.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[SUPERNOVA]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	F814W	(22) SN2017CFD	WFC3/UVIS, ACCUM, UVIS		F814W	FLASH=10		Pattern 1, Exps 1-2 in Visit 22 (1)	390 Secs (780 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	
	2	F555W	(22) SN2017CFD	WFC3/UVIS, ACCUM, UVIS		F555W	FLASH=10		Pattern 1, Exps 1-2 in Visit 22 (1)	355 Secs (710 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	



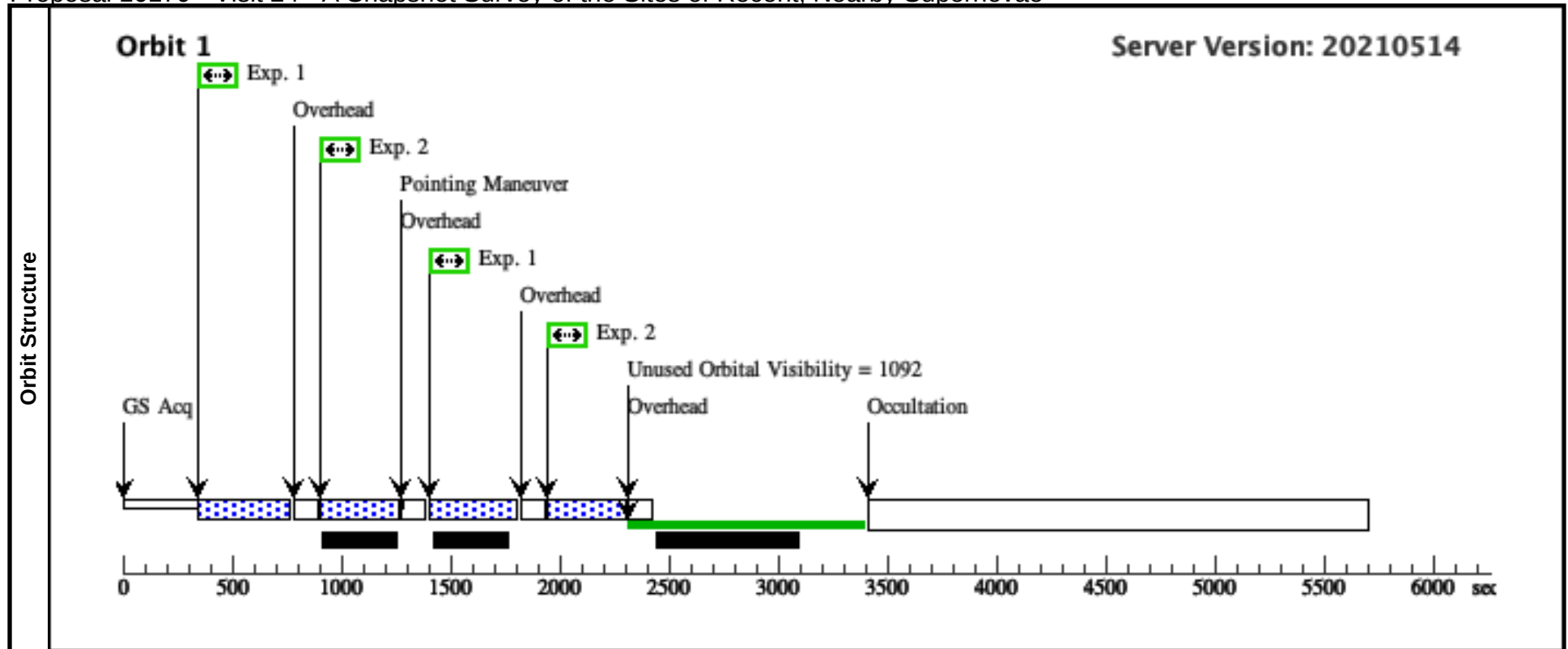
Proposal 16179 - Visit 23 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Visit	Proposal 16179, Visit 23, completed										Wed Feb 02 21:01:03 GMT 2022		
	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			
	(23)	SN2016COI		RA: 21 59 4.2100 (329.7675417d) Dec: +18 11 11.80 (18.18661d) Equinox: J2000				V=25.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[SUPERNOVA]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	F814W	(23) SN2016COI	WFC3/UVIS, ACCUM, UVIS		F814W	FLASH=10		Pattern 1, Exps 1-2 in Visit 23 (1)	390 Secs (780 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	
	2	F336W	(23) SN2016COI	WFC3/UVIS, ACCUM, UVIS		F336W	FLASH=18		Pattern 1, Exps 1-2 in Visit 23 (1)	355 Secs (710 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	



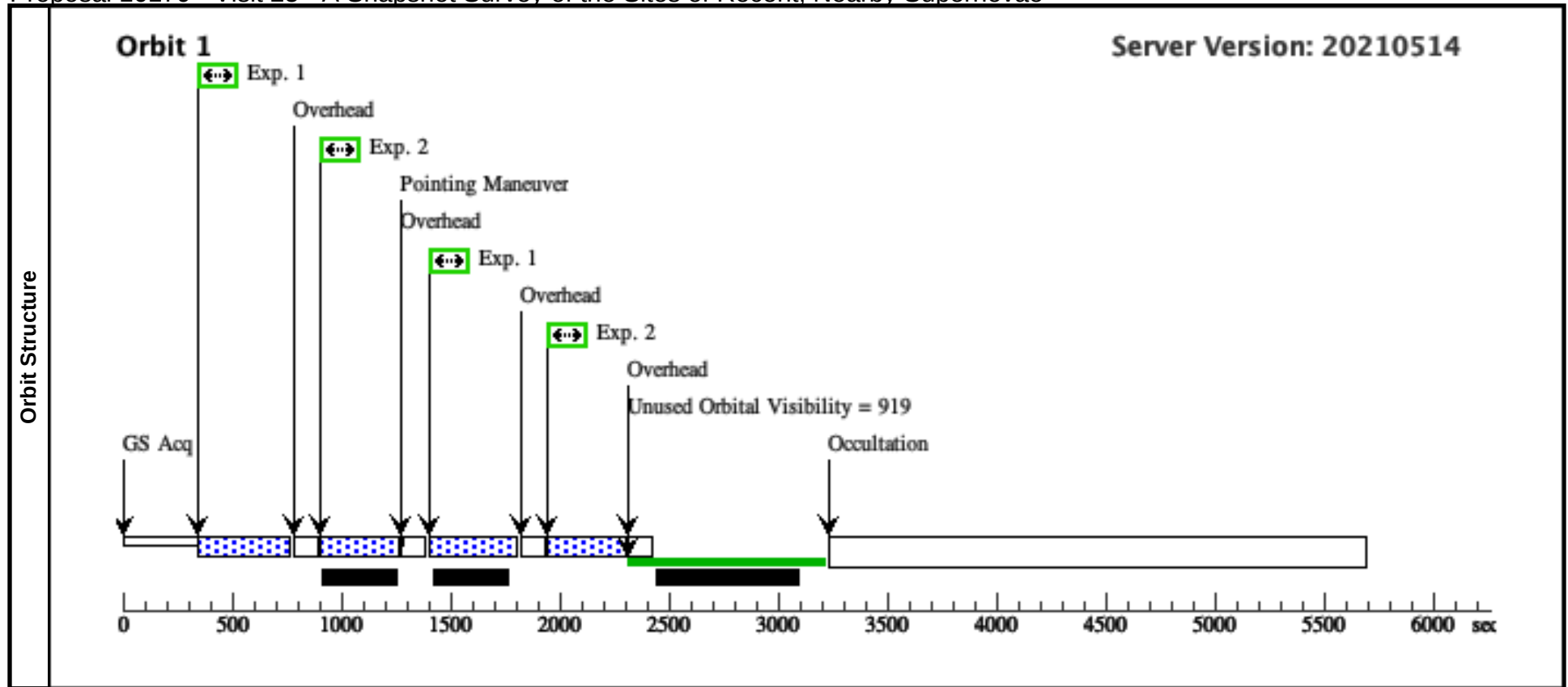
Proposal 16179 - Visit 24 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Visit	Proposal 16179, Visit 24, completed										Wed Feb 02 21:01:03 GMT 2022		
	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			
	(24)	SN2017IXV		RA: 19 21 31.2400 (290.3801667d) Dec: +61 08 51.76 (61.14771d) Equinox: J2000				V=25.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[SUPERNOVA]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	F814W	(24) SN2017IXV	WFC3/UVIS, ACCUM, UVIS		F814W	FLASH=10		Pattern 1, Exps 1-2 in Visit 24 (1)	390 Secs (780 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	
	2	F555W	(24) SN2017IXV	WFC3/UVIS, ACCUM, UVIS		F555W	FLASH=10		Pattern 1, Exps 1-2 in Visit 24 (1)	355 Secs (710 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	



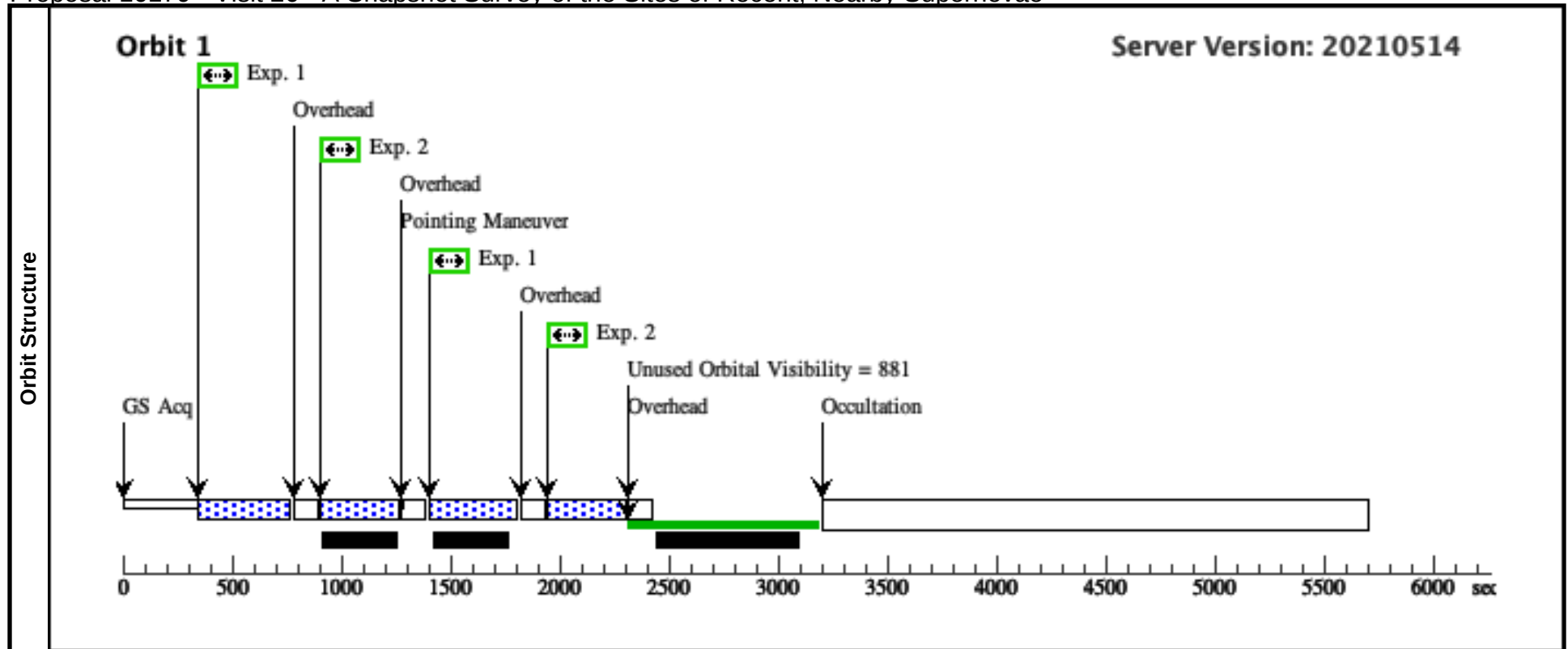
Proposal 16179 - Visit 25 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Visit	Proposal 16179, Visit 25, completed										Wed Feb 02 21:01:03 GMT 2022		
	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			
	(25)	SN2016G		RA: 03 03 57.7400 (45.9905833d) Dec: +43 24 3.50 (43.40097d) Equinox: J2000				V=25.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[SUPERNOVA]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	F814W	(25) SN2016G	WFC3/UVIS, ACCUM, UVIS		F814W	FLASH=10		Pattern 1, Exps 1-2 in Visit 25 (1)	390 Secs (780 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	
	2	F555W	(25) SN2016G	WFC3/UVIS, ACCUM, UVIS		F555W	FLASH=10		Pattern 1, Exps 1-2 in Visit 25 (1)	355 Secs (710 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	



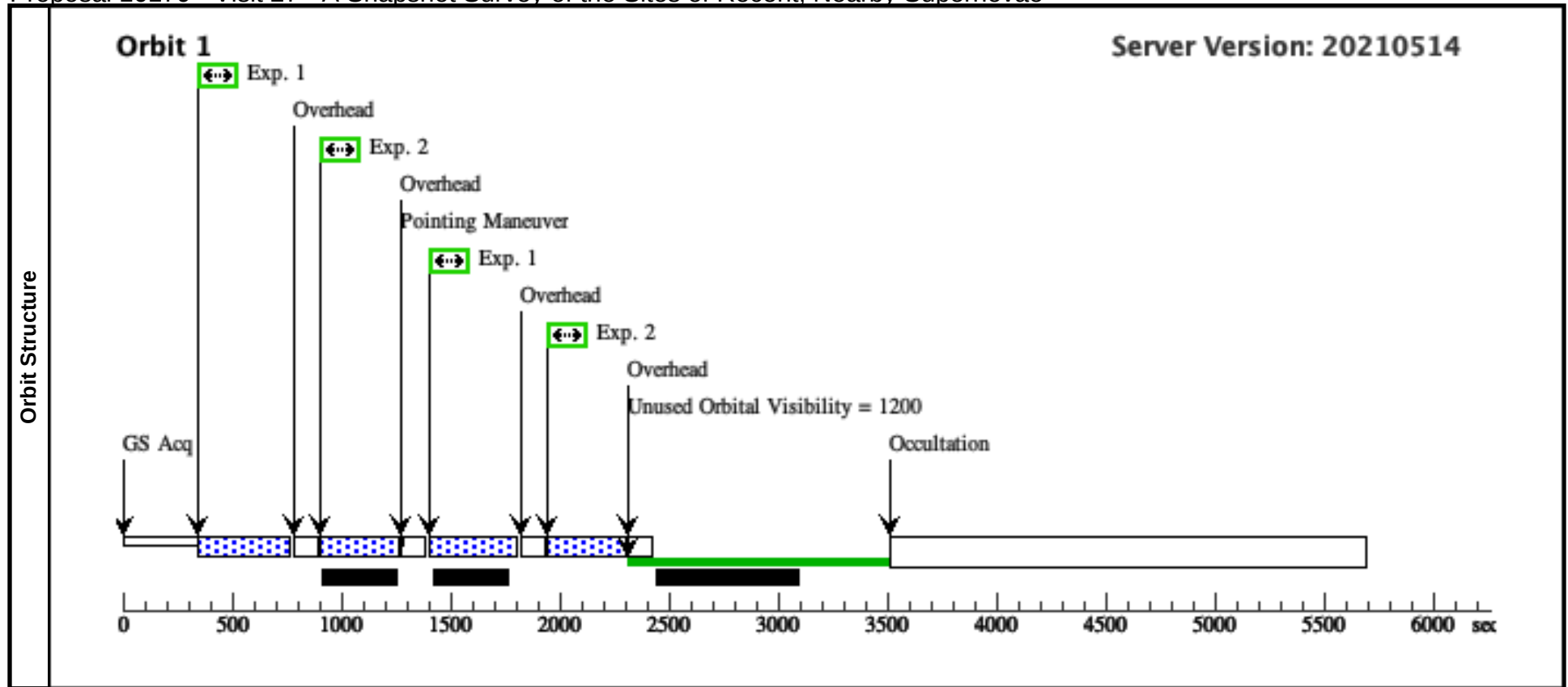
Proposal 16179 - Visit 26 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Visit	Proposal 16179, Visit 26, completed										Wed Feb 02 21:01:03 GMT 2022		
	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)	SN2018AOQ		RA: 12 10 38.2400 (182.6593333d) Dec: +39 23 47.90 (39.39664d) Equinox: J2000				V=25.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[SUPERNOVA]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	F814W	(26) SN2018AOQ	WFC3/UVIS, ACCUM, UVIS		F814W	FLASH=10		Pattern 1, Exps 1-2 in Visit 26 (1)	390 Secs (780 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	
	2	F555W	(26) SN2018AOQ	WFC3/UVIS, ACCUM, UVIS		F555W	FLASH=10		Pattern 1, Exps 1-2 in Visit 26 (1)	355 Secs (710 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	



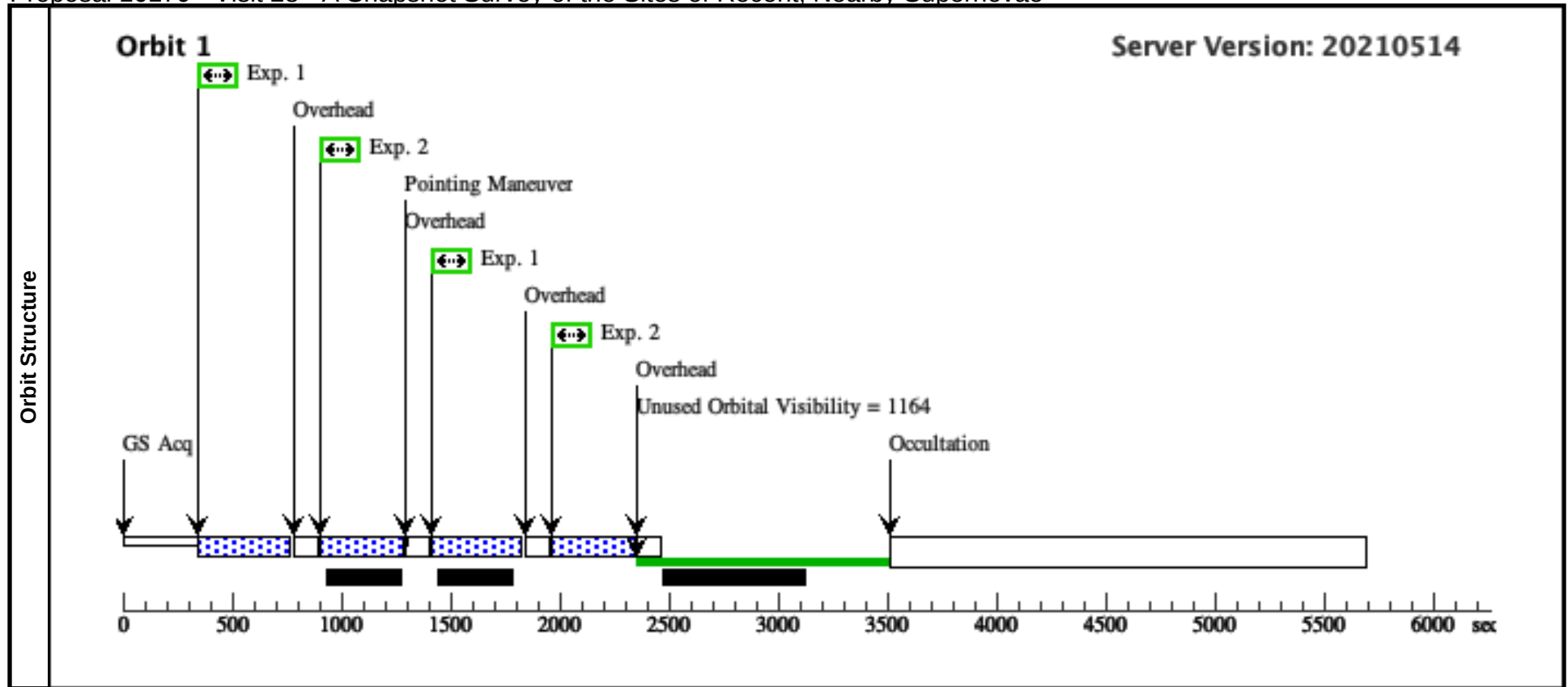
Proposal 16179 - Visit 27 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Visit	Proposal 16179, Visit 27, completed										Wed Feb 02 21:01:03 GMT 2022		
	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			
	(27)	SN2018GJ		RA: 16 32 2.3050 (248.0096042d) Dec: +78 12 40.90 (78.21136d) Equinox: J2000				V=25.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[SUPERNOVA]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	F814W	(27) SN2018GJ	WFC3/UVIS, ACCUM, UVIS		F814W	FLASH=10		Pattern 1, Exps 1-2 in Visit 27 (1)	390 Secs (780 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	
	2	F555W	(27) SN2018GJ	WFC3/UVIS, ACCUM, UVIS		F555W	FLASH=10		Pattern 1, Exps 1-2 in Visit 27 (1)	355 Secs (710 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	



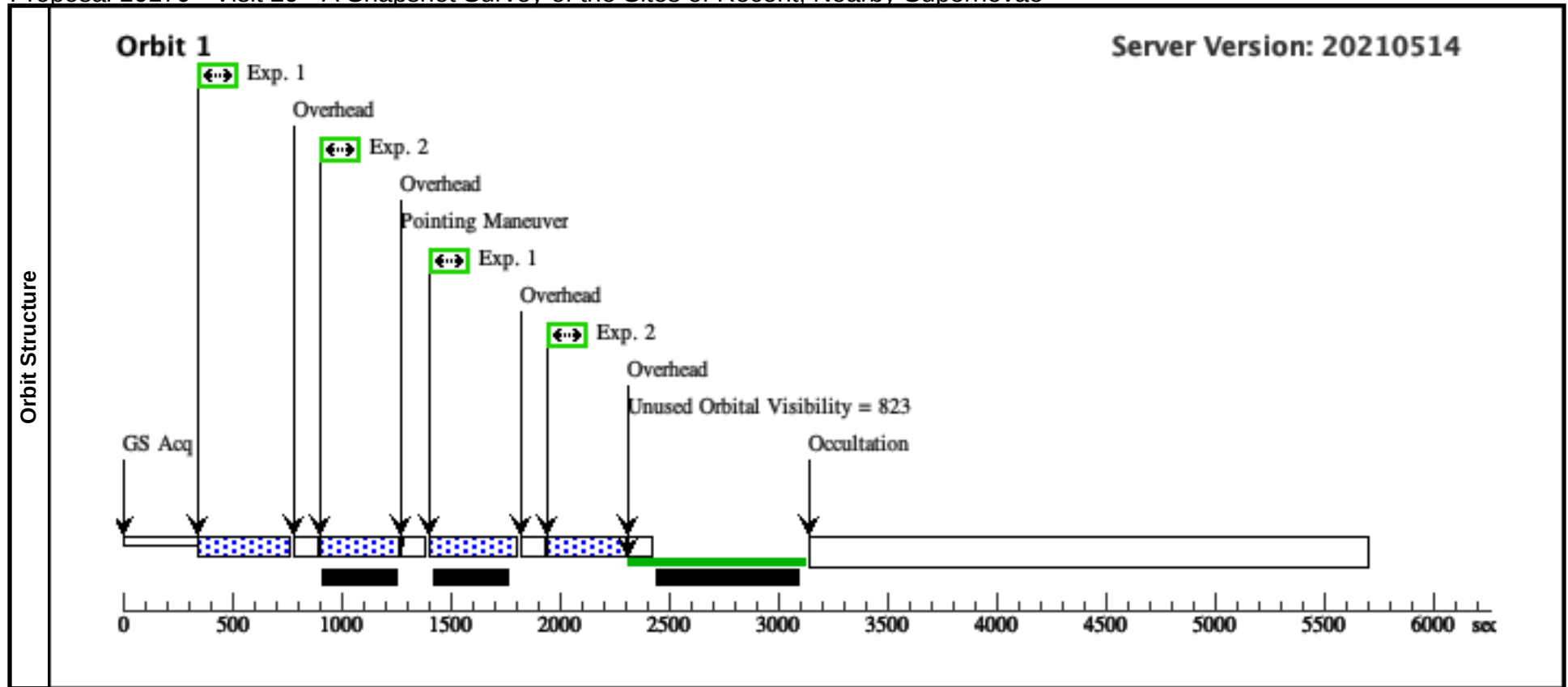
Proposal 16179 - Visit 28 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Visit	Proposal 16179, Visit 28, completed										Wed Feb 02 21:01:03 GMT 2022		
	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)	SN2018ZD		RA: 06 18 3.1800 (94.5132500d) Dec: +78 22 0.90 (78.36692d) Equinox: J2000				V=25.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[SUPERNOVA]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	F814W	(28) SN2018ZD	WFC3/UVIS, ACCUM, UVIS		F814W	FLASH=10		Pattern 1, Exps 1-2 in Visit 28 (1)	390 Secs (780 Secs)			
										[=>(Pattern 1)] [=>(Pattern 2)]		[1]	
	2	F606W	(28) SN2018ZD	WFC3/UVIS, ACCUM, UVIS		F606W	FLASH=10		Pattern 1, Exps 1-2 in Visit 28 (1)	355 Secs (710 Secs)			
										[=>(Pattern 1)] [=>(Pattern 2)]		[1]	



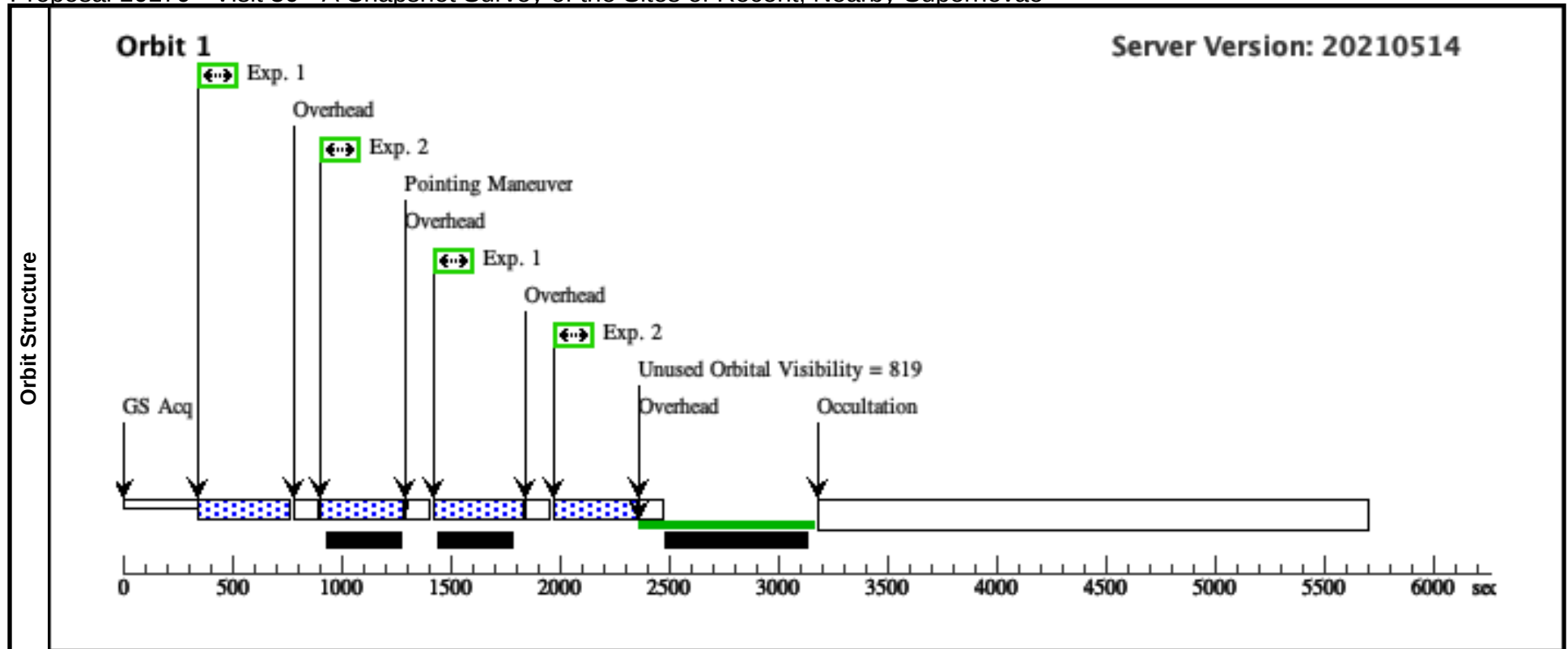
Proposal 16179 - Visit 29 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Visit	Proposal 16179, Visit 29, completed										Wed Feb 02 21:01:03 GMT 2022		
	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			
	(29)	SN2018IVC		RA: 02 42 41.2900 (40.6720417d) Dec: -00 00 31.71 (-.00881d) Equinox: J2000				V=25.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[SUPERNOVA]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	F814W	(29) SN2018IVC	WFC3/UVIS, ACCUM, UVIS		F814W	FLASH=10		Pattern 1, Exps 1-2 in Visit 29 (1)	390 Secs (780 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	
	2	F555W	(29) SN2018IVC	WFC3/UVIS, ACCUM, UVIS		F555W	FLASH=10		Pattern 1, Exps 1-2 in Visit 29 (1)	355 Secs (710 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	



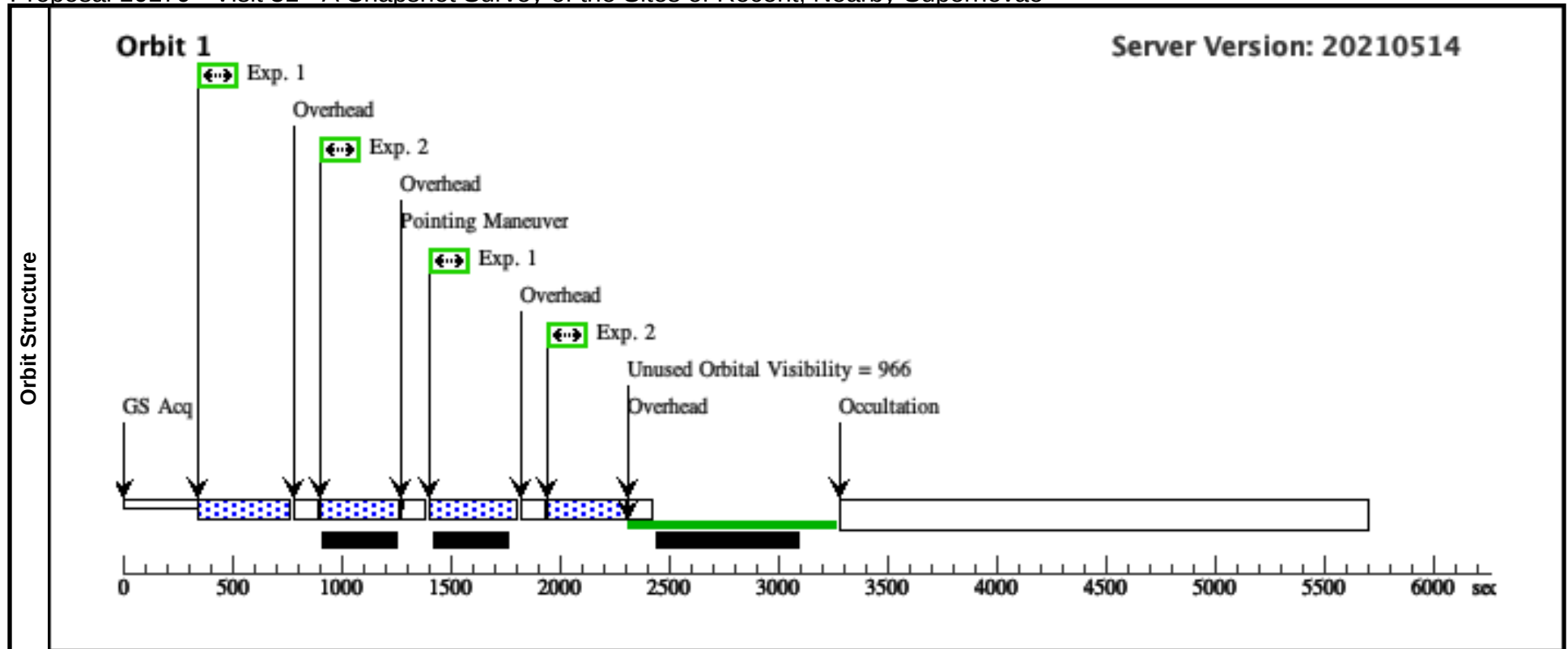
Proposal 16179 - Visit 30 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Visit	Proposal 16179, Visit 30, scheduling										Wed Feb 02 21:01:03 GMT 2022		
	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			
	(30)	SNHUNT275		RA: 09 09 35.0590 (137.3960792d) Dec: +33 07 22.12 (33.12281d) Equinox: J2000				V=25.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[SUPERNOVA]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	F336W	(30) SNHUNT275	WFC3/UVIS, ACCUM, UVIS		F336W	FLASH=18		Pattern 1, Exps 1-2 in Visit 30 (1)	390 Secs (780 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	
	2	F555W	(30) SNHUNT275	WFC3/UVIS, ACCUM, UVIS		F555W	FLASH=10		Pattern 1, Exps 1-2 in Visit 30 (1)	355 Secs (710 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	



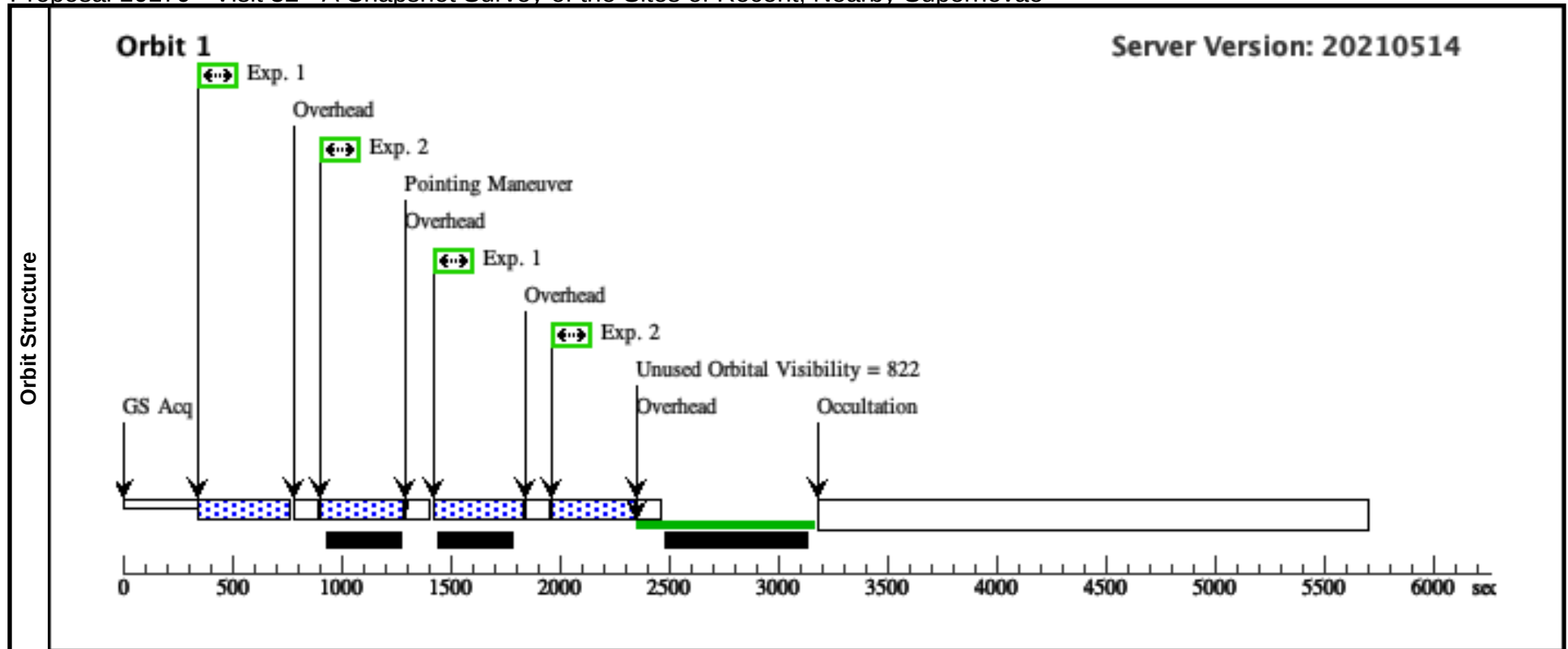
Proposal 16179 - Visit 31 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Visit	Proposal 16179, Visit 31, completed										Wed Feb 02 21:01:03 GMT 2022		
	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)	SN2011DH		RA: 13 30 5.1055 (202.5212729d) Dec: +47 10 10.92 (47.16970d) Equinox: J2000				V=25.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[SUPERNOVA]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	F814W	(31) SN2011DH	WFC3/UVIS, ACCUM, UVIS		F814W	FLASH=10		Pattern 1, Exps 1-2 in Visit 31 (1)	390 Secs (780 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	
	2	F555W	(31) SN2011DH	WFC3/UVIS, ACCUM, UVIS		F555W	FLASH=10		Pattern 1, Exps 1-2 in Visit 31 (1)	355 Secs (710 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	



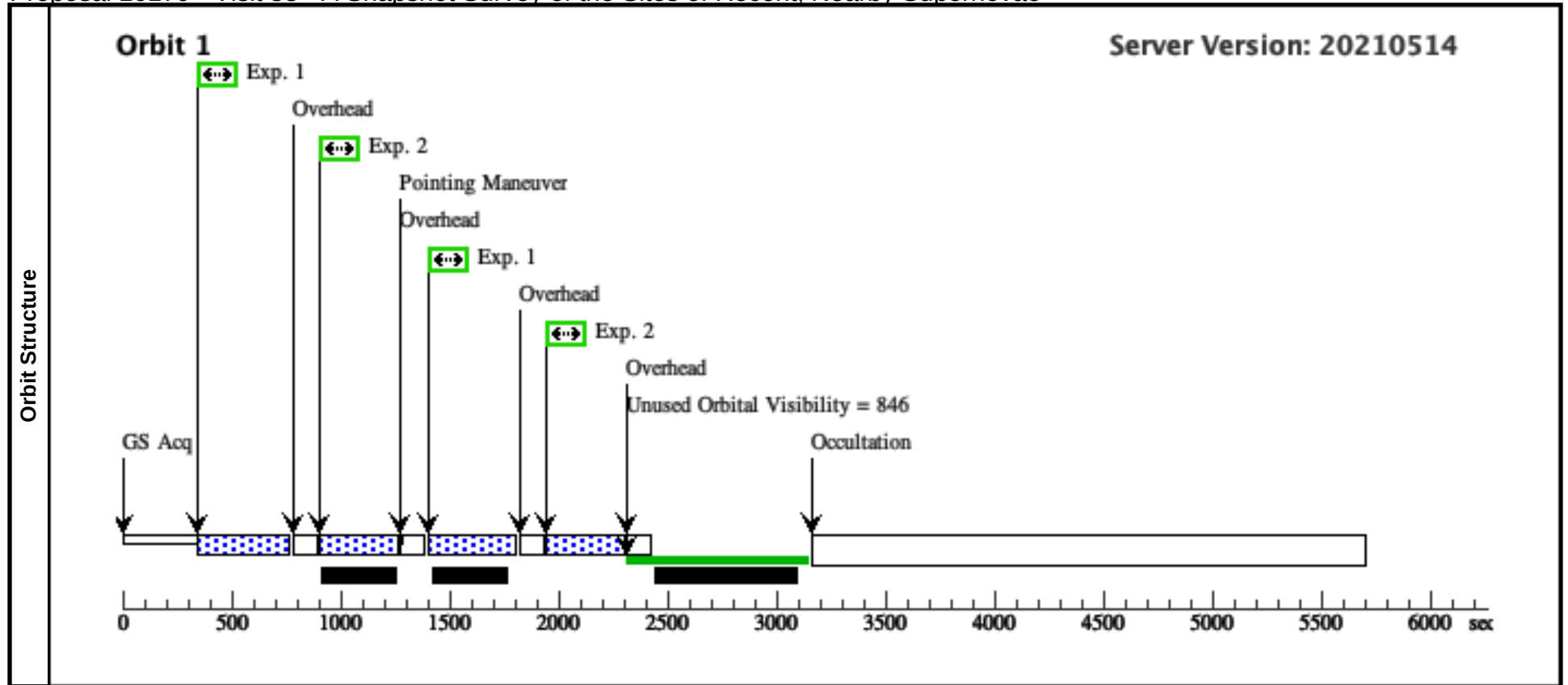
Proposal 16179 - Visit 32 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Visit	Proposal 16179, Visit 32, completed										Wed Feb 02 21:01:03 GMT 2022		
	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)	SN2014C		RA: 22 37 5.5600 (339.2731667d) Dec: +34 24 31.90 (34.40886d) Equinox: J2000				V=25.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[SUPERNOVA]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	F625W	(32) SN2014C	WFC3/UVIS, ACCUM, UVIS		F625W	FLASH=10		Pattern 1, Exps 1-2 in Visit 32 (1)	390 Secs (780 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	
	2	F336W	(32) SN2014C	WFC3/UVIS, ACCUM, UVIS		F336W	FLASH=18		Pattern 1, Exps 1-2 in Visit 32 (1)	355 Secs (710 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	



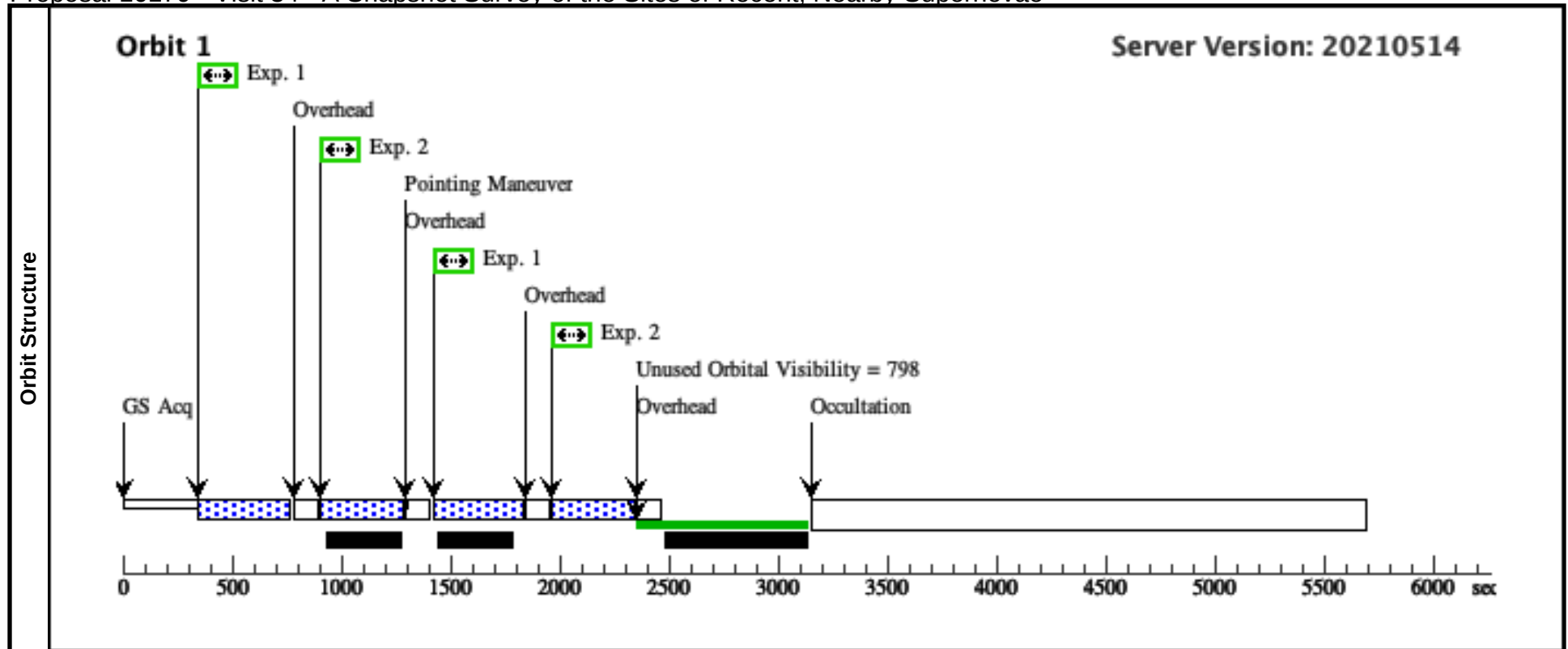
Proposal 16179 - Visit 33 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Visit	Proposal 16179, Visit 33, scheduling										Wed Feb 02 21:01:03 GMT 2022
	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)	SN2016AQT	RA: 13 45 50.7500 (206.4614583d) Dec: +26 47 47.40 (26.79650d) Equinox: J2000				V=25.0		Reference Frame: ICRS		
Comments: Category=STAR Description=[SUPERNOVA]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	F814W	(33) SN2016AQT	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=10		Pattern 1, Exps 1-2 in Visit 33 (1)	390 Secs (780 Secs)		
									[=>(Pattern 1)] [=>(Pattern 2)]		[1]
	2	F555W	(33) SN2016AQT	WFC3/UVIS, ACCUM, UVIS	F555W	FLASH=10		Pattern 1, Exps 1-2 in Visit 33 (1)	355 Secs (710 Secs)		
									[=>(Pattern 1)] [=>(Pattern 2)]		[1]



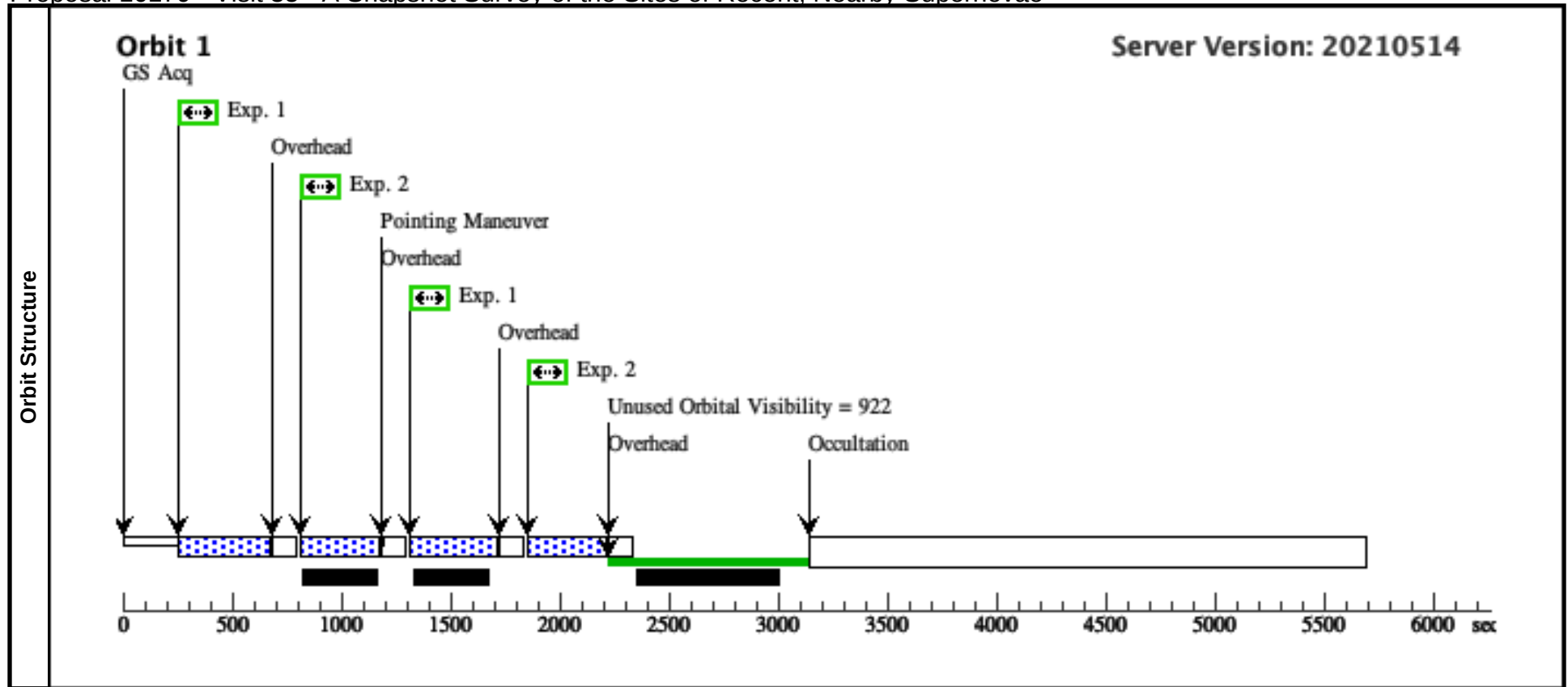
Proposal 16179 - Visit 34 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Visit	Proposal 16179, Visit 34, completed										Wed Feb 02 21:01:03 GMT 2022		
	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)	SN1988Z		RA: 10 51 50.1210 (162.9588375d) Dec: +16 00 0.20 (16.00006d) Equinox: J2000				V=25.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[SUPERNOVA]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	F814W	(34) SN1988Z	WFC3/UVIS, ACCUM, UVIS		F814W	FLASH=10		Pattern 1, Exps 1-2 in Visit 34 (1)	390 Secs (780 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	
	2	F625W	(34) SN1988Z	WFC3/UVIS, ACCUM, UVIS		F625W	FLASH=10		Pattern 1, Exps 1-2 in Visit 34 (1)	355 Secs (710 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	



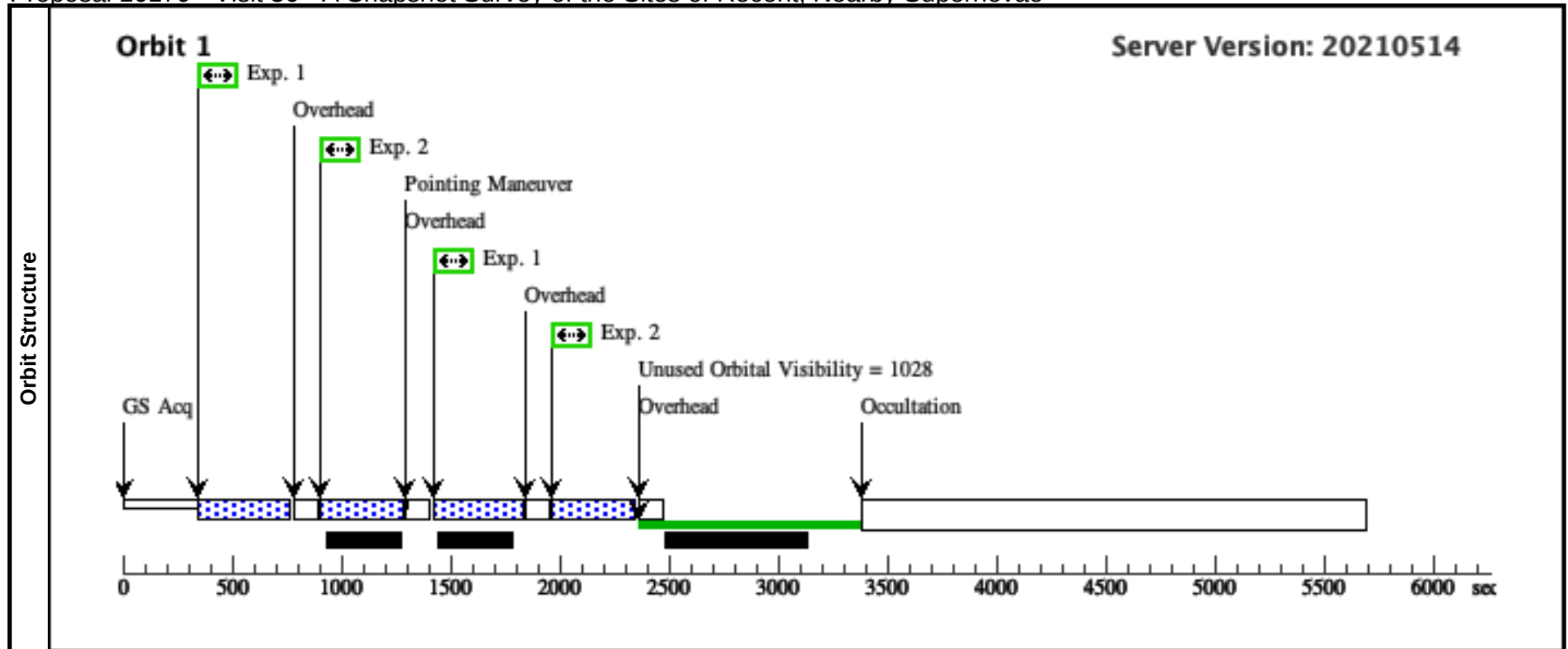
Proposal 16179 - Visit 35 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Visit	Proposal 16179, Visit 35, scheduling										Wed Feb 02 21:01:03 GMT 2022		
	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			
	(35)	SN2016COK		RA: 11 20 19.0330 (170.0793042d) Dec: +12 58 56.64 (12.98240d) Equinox: J2000				V=25.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[SUPERNOVA]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	F814W	(35) SN2016COK	WFC3/UVIS, ACCUM, UVIS		F814W	FLASH=10	GS ACQ SCENARIO SINGLE	Pattern 1, Exps 1-2 in Visit 35 (1)	390 Secs (780 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	
	2	F555W	(35) SN2016COK	WFC3/UVIS, ACCUM, UVIS		F555W	FLASH=10		Pattern 1, Exps 1-2 in Visit 35 (1)	355 Secs (710 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	



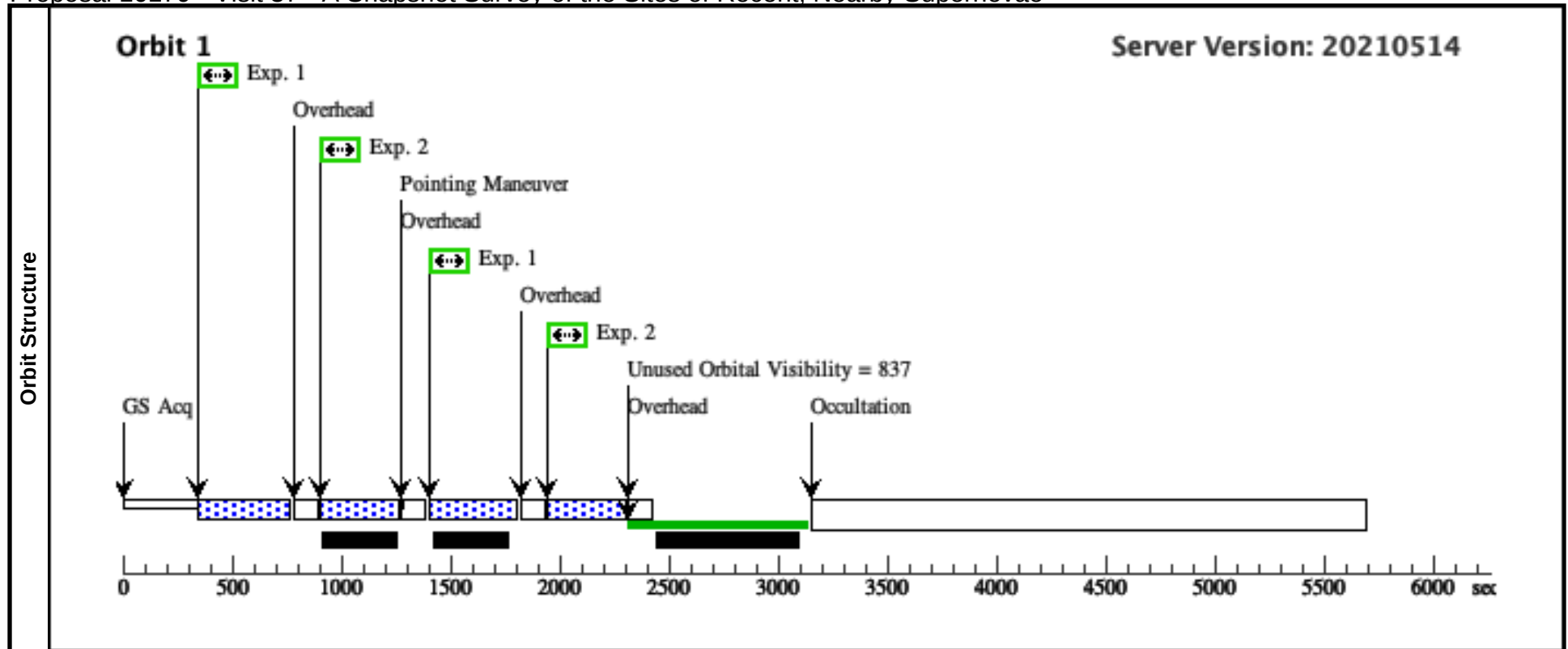
Proposal 16179 - Visit 36 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Visit	Proposal 16179, Visit 36, completed										Wed Feb 02 21:01:03 GMT 2022		
	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			
	(36)	SN2017GAX		RA: 04 45 49.5000 (71.4562500d) Dec: -59 14 42.50 (-59.24514d) Equinox: J2000				V=25.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[SUPERNOVA]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	F814W	(36) SN2017GAX	WFC3/UVIS, ACCUM, UVIS		F814W	FLASH=10		Pattern 1, Exps 1-2 in Visit 36 (1)	390 Secs (780 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	
	2	F336W	(36) SN2017GAX	WFC3/UVIS, ACCUM, UVIS		F336W	FLASH=18		Pattern 1, Exps 1-2 in Visit 36 (1)	355 Secs (710 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	



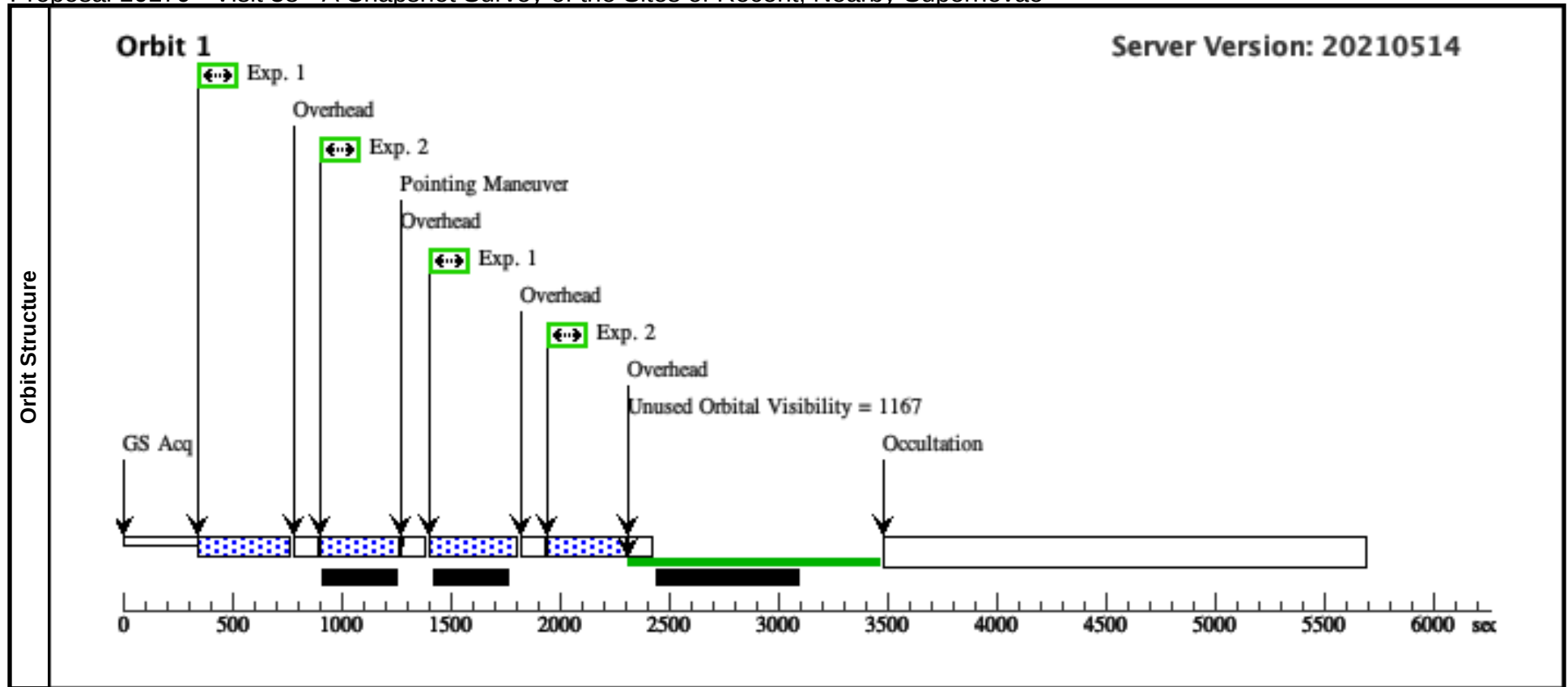
Proposal 16179 - Visit 37 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Visit	Proposal 16179, Visit 37, scheduling										Wed Feb 02 21:01:03 GMT 2022
	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		
	(37)	SN2020OI	RA: 12 22 54.9300 (185.7288750d) Dec: +15 49 25.00 (15.82361d) Equinox: J2000				V=25.0		Reference Frame: ICRS		
	Comments: Category=STAR Description=[SUPERNOVA]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	F814W	(37) SN2020OI	WFC3/UVIS, ACCUM, UVIS	F814W	FLASH=10		Pattern 1, Exps 1-2 in Visit 37 (1)	390 Secs (780 Secs)		
									[==>(Pattern 1)] [==>(Pattern 2)]		[1]
	2	F555W	(37) SN2020OI	WFC3/UVIS, ACCUM, UVIS	F555W	FLASH=10		Pattern 1, Exps 1-2 in Visit 37 (1)	355 Secs (710 Secs)		
									[==>(Pattern 1)] [==>(Pattern 2)]		[1]



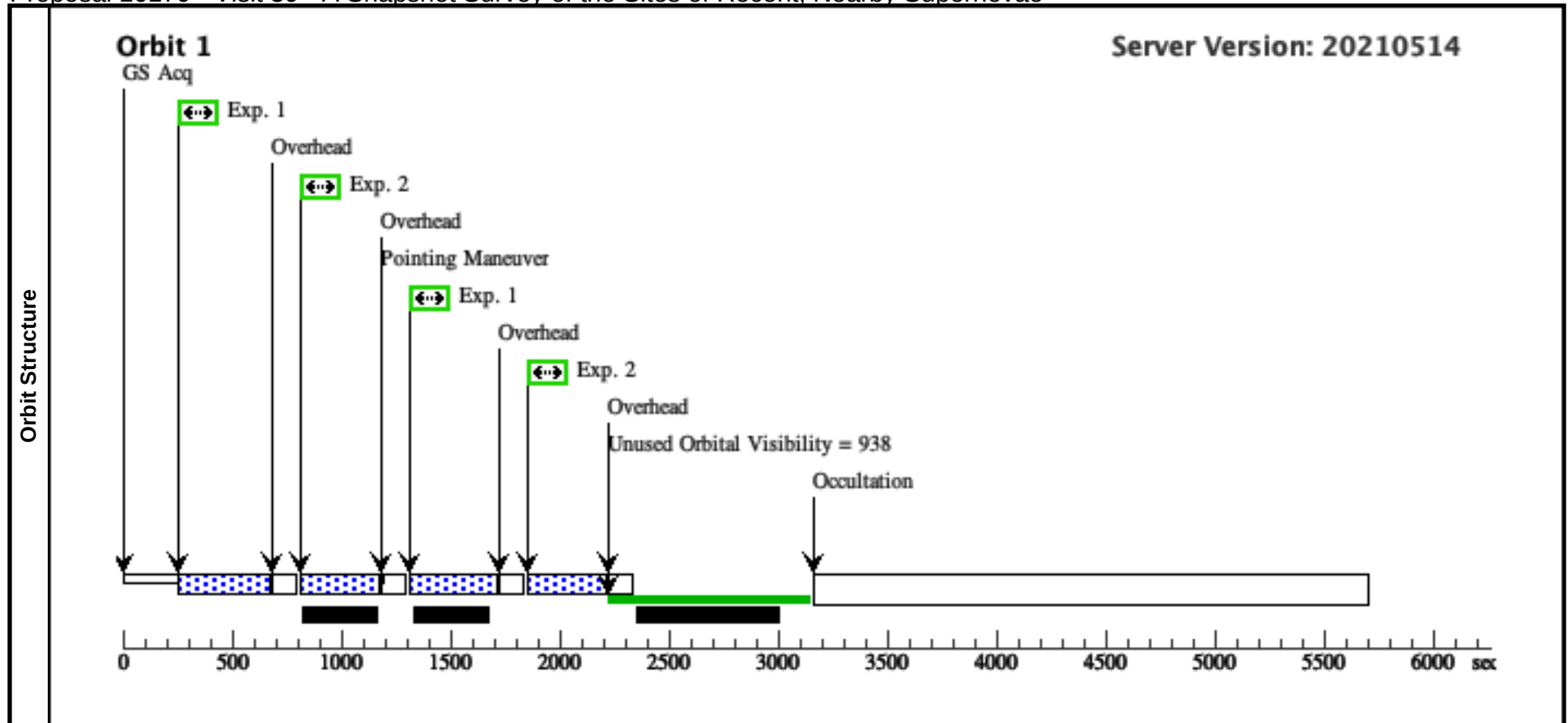
Proposal 16179 - Visit 38 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Visit	Proposal 16179, Visit 38, completed										Wed Feb 02 21:01:03 GMT 2022		
	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			
	(38)	SN2020DPW		RA: 20 37 10.5500 (309.2939583d) Dec: +66 06 10.66 (66.10296d) Equinox: J2000				V=25.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[SUPERNOVA]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	F814W	(38) SN2020DPW	WFC3/UVIS, ACCUM, UVIS		F814W	FLASH=10		Pattern 1, Exps 1-2 in Visit 38 (1)	390 Secs (780 Secs)			
										[=>(Pattern 1)] [=>(Pattern 2)]		[1]	
	2	F555W	(38) SN2020DPW	WFC3/UVIS, ACCUM, UVIS		F555W	FLASH=10		Pattern 1, Exps 1-2 in Visit 38 (1)	355 Secs (710 Secs)			
										[=>(Pattern 1)] [=>(Pattern 2)]		[1]	



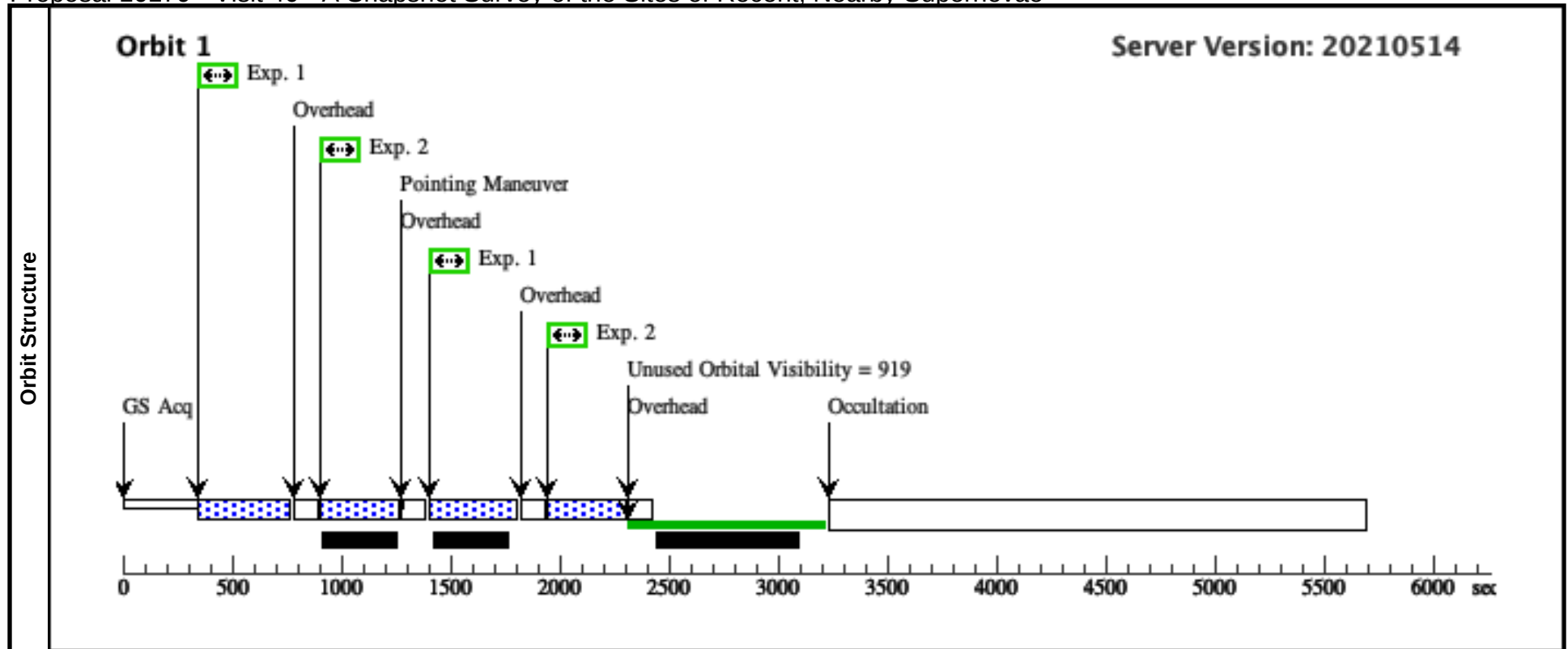
Proposal 16179 - Visit 39 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Visit	Proposal 16179, Visit 39, scheduling										Wed Feb 02 21:01:03 GMT 2022		
	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)	SN2019NP		RA: 10 29 21.9800 (157.3415833d) Dec: +29 30 38.30 (29.51064d) Equinox: J2000				V=25.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[SUPERNOVA]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	F814W	(39) SN2019NP	WFC3/UVIS, ACCUM, UVIS		F814W	FLASH=10	GS ACQ SCENARIO SINGLE	Pattern 1, Exps 1-2 in Visit 39 (1)	390 Secs (780 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	
	2	F555W	(39) SN2019NP	WFC3/UVIS, ACCUM, UVIS		F555W	FLASH=10		Pattern 1, Exps 1-2 in Visit 39 (1)	355 Secs (710 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	



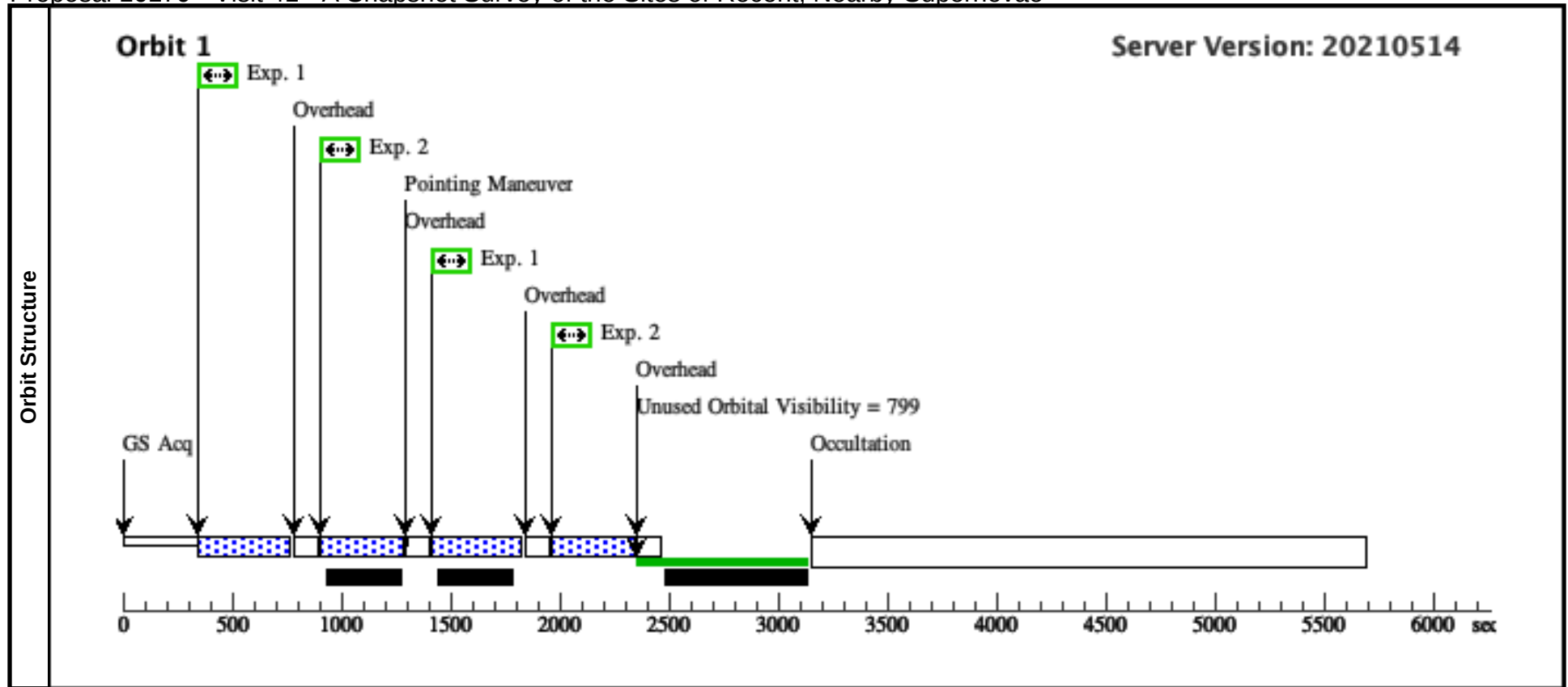
Proposal 16179 - Visit 40 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Visit	Proposal 16179, Visit 40, scheduling										Wed Feb 02 21:01:03 GMT 2022		
	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)	SN2019EIN		RA: 13 53 29.1100 (208.3712917d) Dec: +40 16 31.33 (40.27537d) Equinox: J2000				V=25.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[SUPERNOVA]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	F814W	(40) SN2019EIN	WFC3/UVIS, ACCUM, UVIS		F814W	FLASH=10		Pattern 1, Exps 1-2 in Visit 40 (1)	390 Secs (780 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	
	2	F555W	(40) SN2019EIN	WFC3/UVIS, ACCUM, UVIS		F555W	FLASH=10		Pattern 1, Exps 1-2 in Visit 40 (1)	355 Secs (710 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	



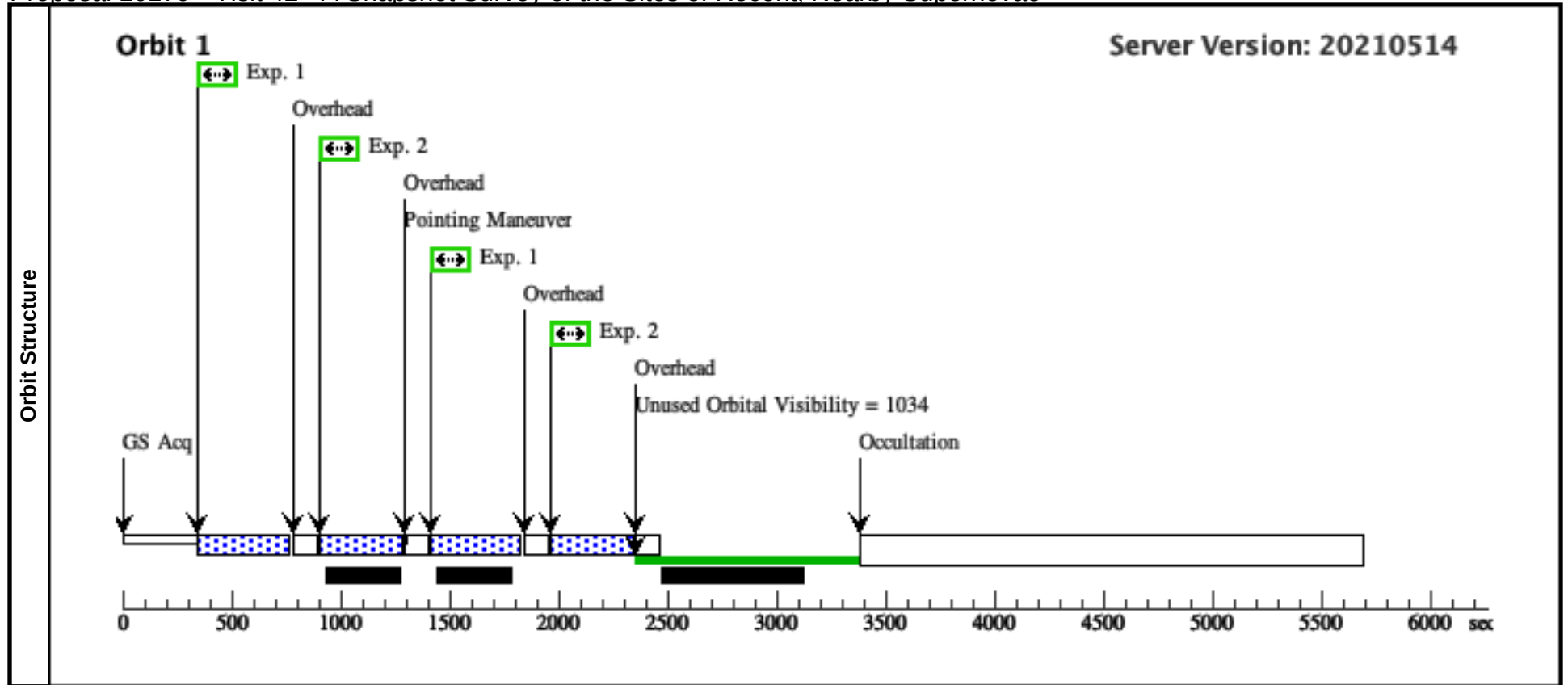
Proposal 16179 - Visit 41 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Visit	Proposal 16179, Visit 41, completed										Wed Feb 02 21:01:03 GMT 2022	
	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		
	(41)	SN2019EHK		RA: 12 22 56.1300 (185.7338750d) Dec: +15 49 33.60 (15.82600d) Equinox: J2000				V=25.0		Reference Frame: ICRS		
	Comments: Category=STAR Description=[SUPERNOVA]											
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	F625W	(41) SN2019EHK	WFC3/UVIS, ACCUM, UVIS		F625W	FLASH=10		Pattern 1, Exps 1-2 in Visit 41 (1)	390 Secs (780 Secs)		
										[=>(Pattern 1)]		[1]
										[=>(Pattern 2)]		
	2	F438W	(41) SN2019EHK	WFC3/UVIS, ACCUM, UVIS		F438W	FLASH=15		Pattern 1, Exps 1-2 in Visit 41 (1)	355 Secs (710 Secs)		
										[=>(Pattern 1)]		[1]
										[=>(Pattern 2)]		



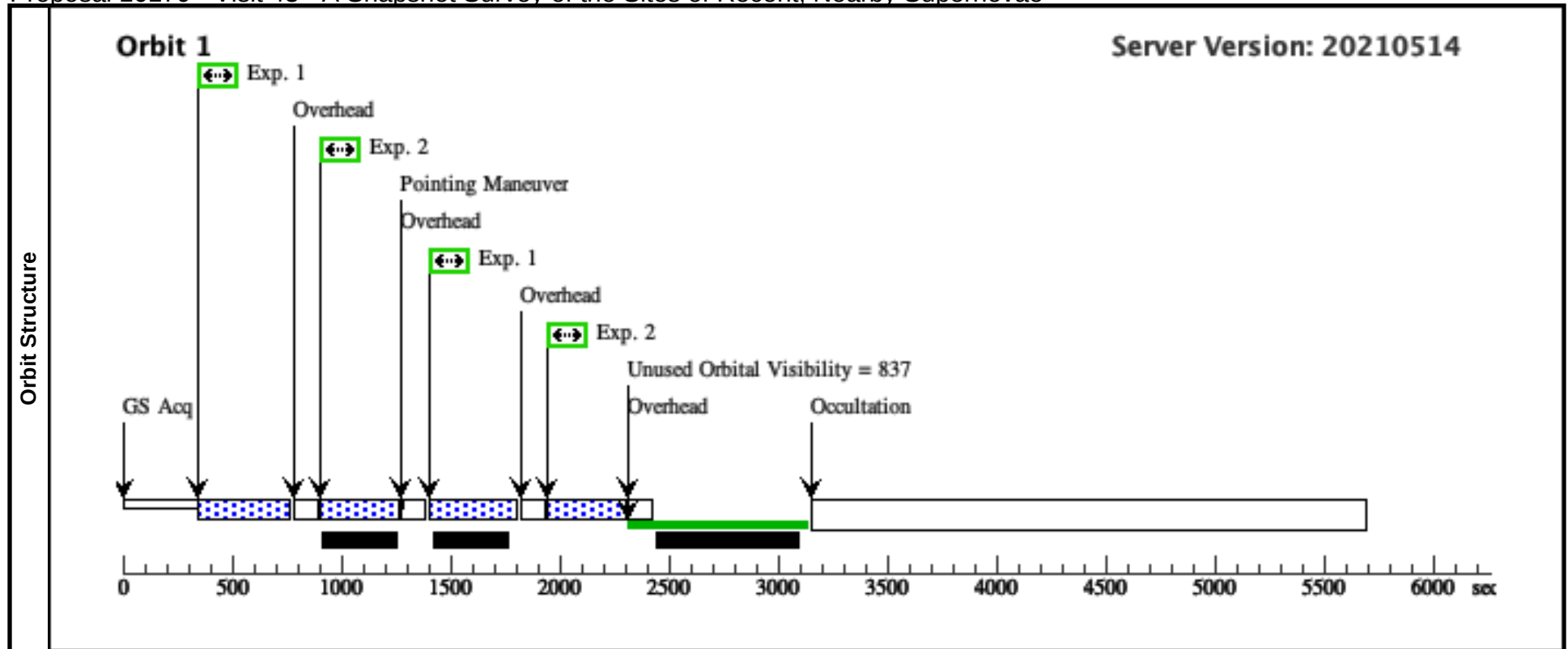
Proposal 16179 - Visit 42 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Visit	Proposal 16179, Visit 42, scheduling										Wed Feb 02 21:01:03 GMT 2022		
	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			
	(42)	SN2018HNA		RA: 12 26 12.0700 (186.5502917d) Dec: +58 18 50.83 (58.31412d) Equinox: J2000				V=25.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[SUPERNOVA]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	F814W	(42) SN2018HNA	WFC3/UVIS, ACCUM, UVIS		F814W	FLASH=10		Pattern 1, Exps 1-2 in Visit 42 (1)	390 Secs (780 Secs)			
										[=>(Pattern 1)] [=>(Pattern 2)]		[1]	
	2	F606W	(42) SN2018HNA	WFC3/UVIS, ACCUM, UVIS		F606W	FLASH=10		Pattern 1, Exps 1-2 in Visit 42 (1)	355 Secs (710 Secs)			
										[=>(Pattern 1)] [=>(Pattern 2)]		[1]	



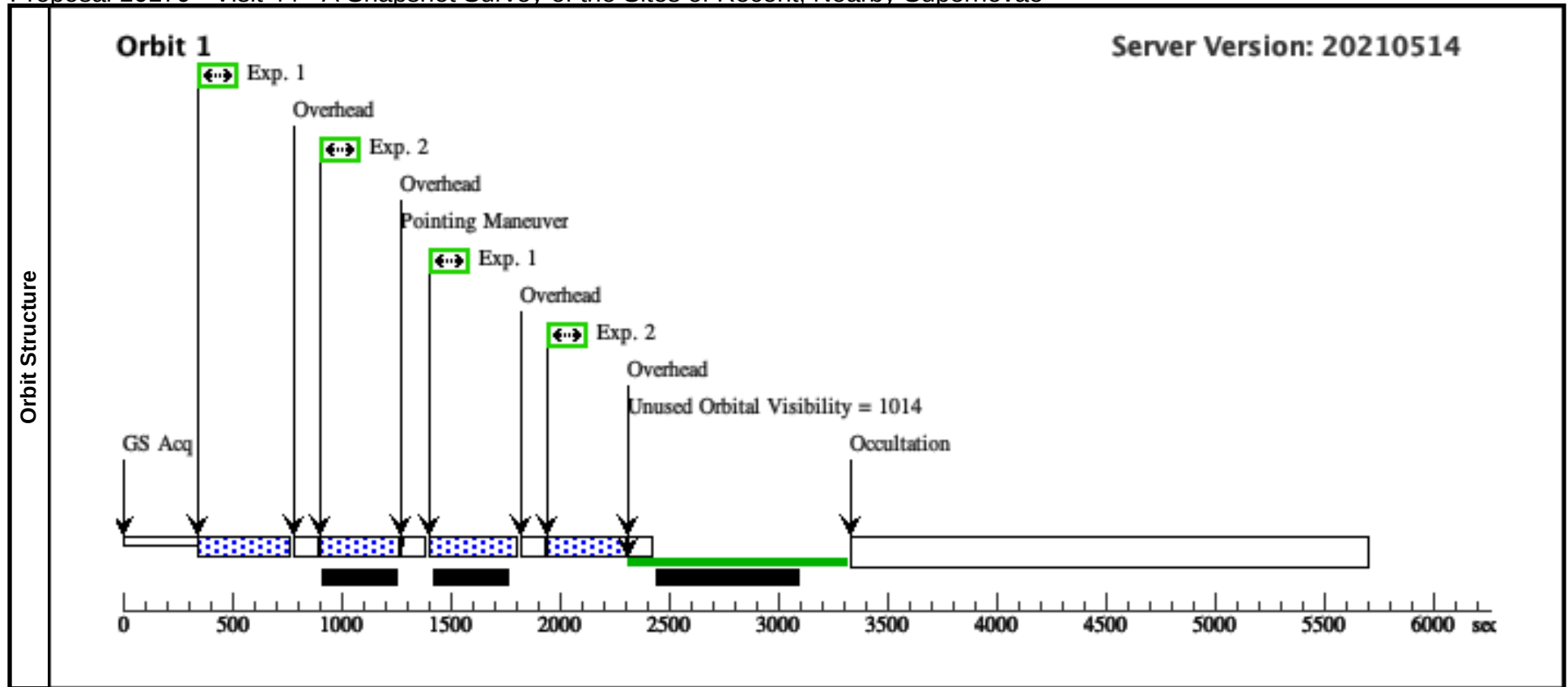
Proposal 16179 - Visit 43 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Visit	Proposal 16179, Visit 43, completed										Wed Feb 02 21:01:03 GMT 2022		
	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)	SN2018HFP		RA: 20 59 47.8700 (314.9494583d) Dec: -16 38 12.52 (-16.63681d) Equinox: J2000				V=25.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[SUPERNOVA]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	F814W	(43) SN2018HFP	WFC3/UVIS, ACCUM, UVIS		F814W	FLASH=10		Pattern 1, Exps 1-2 in Visit 43 (1)	390 Secs (780 Secs)			
										[=>(Pattern 1)]		[1]	
										[=>(Pattern 2)]			
	2	F555W	(43) SN2018HFP	WFC3/UVIS, ACCUM, UVIS		F555W	FLASH=10		Pattern 1, Exps 1-2 in Visit 43 (1)	355 Secs (710 Secs)			
									[=>(Pattern 1)]		[1]		
									[=>(Pattern 2)]				



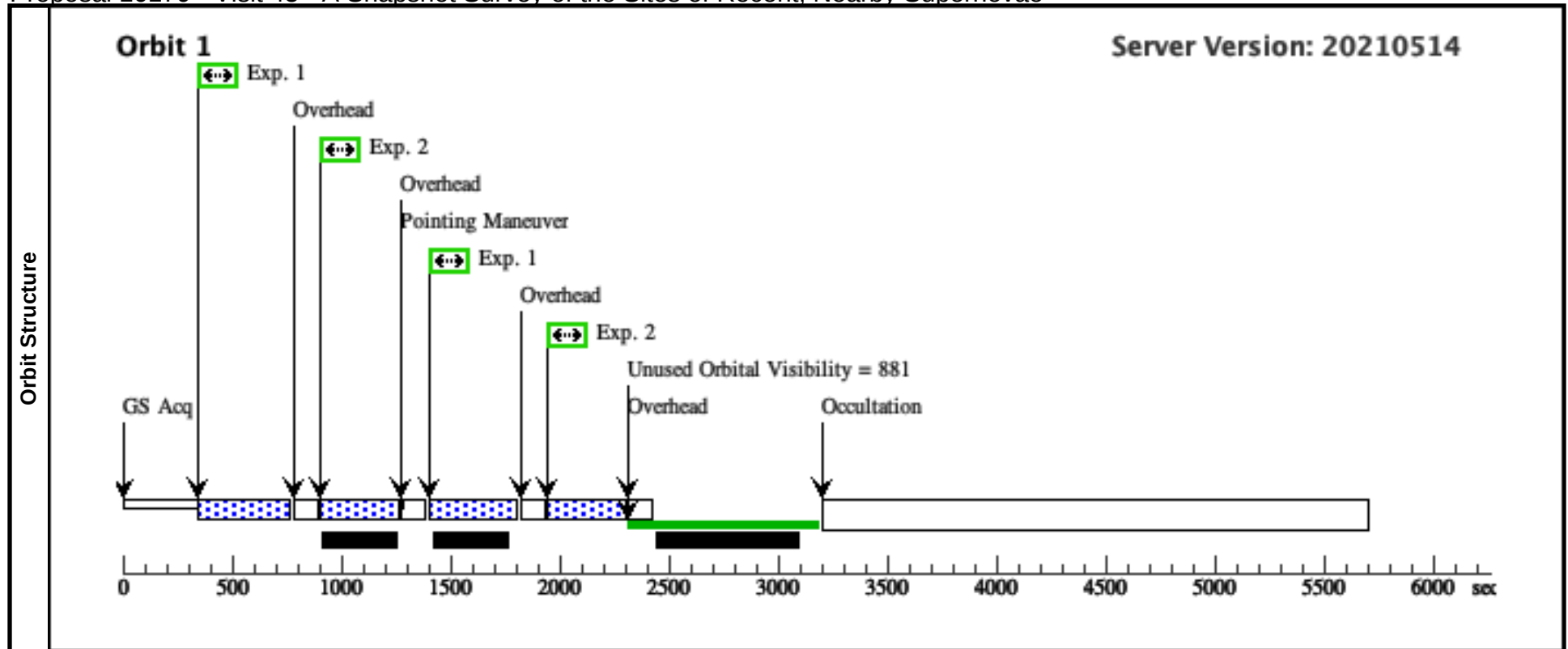
Proposal 16179 - Visit 44 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Visit	Proposal 16179, Visit 44, completed										Wed Feb 02 21:01:04 GMT 2022		
	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			
	(44)	SN2019CTH		RA: 14 45 47.4900 (221.4478750d) Dec: +50 23 48.34 (50.39676d) Equinox: J2000				V=25.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[SUPERNOVA]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	F814W	(44) SN2019CTH	WFC3/UVIS, ACCUM, UVIS		F814W	FLASH=10		Pattern 1, Exps 1-2 in Visit 44 (1)	390 Secs (780 Secs)			
										[==>(Pattern 1)]		[1]	
										[==>(Pattern 2)]			
	2	F555W	(44) SN2019CTH	WFC3/UVIS, ACCUM, UVIS		F555W	FLASH=10		Pattern 1, Exps 1-2 in Visit 44 (1)	355 Secs (710 Secs)			
										[==>(Pattern 1)]		[1]	
										[==>(Pattern 2)]			



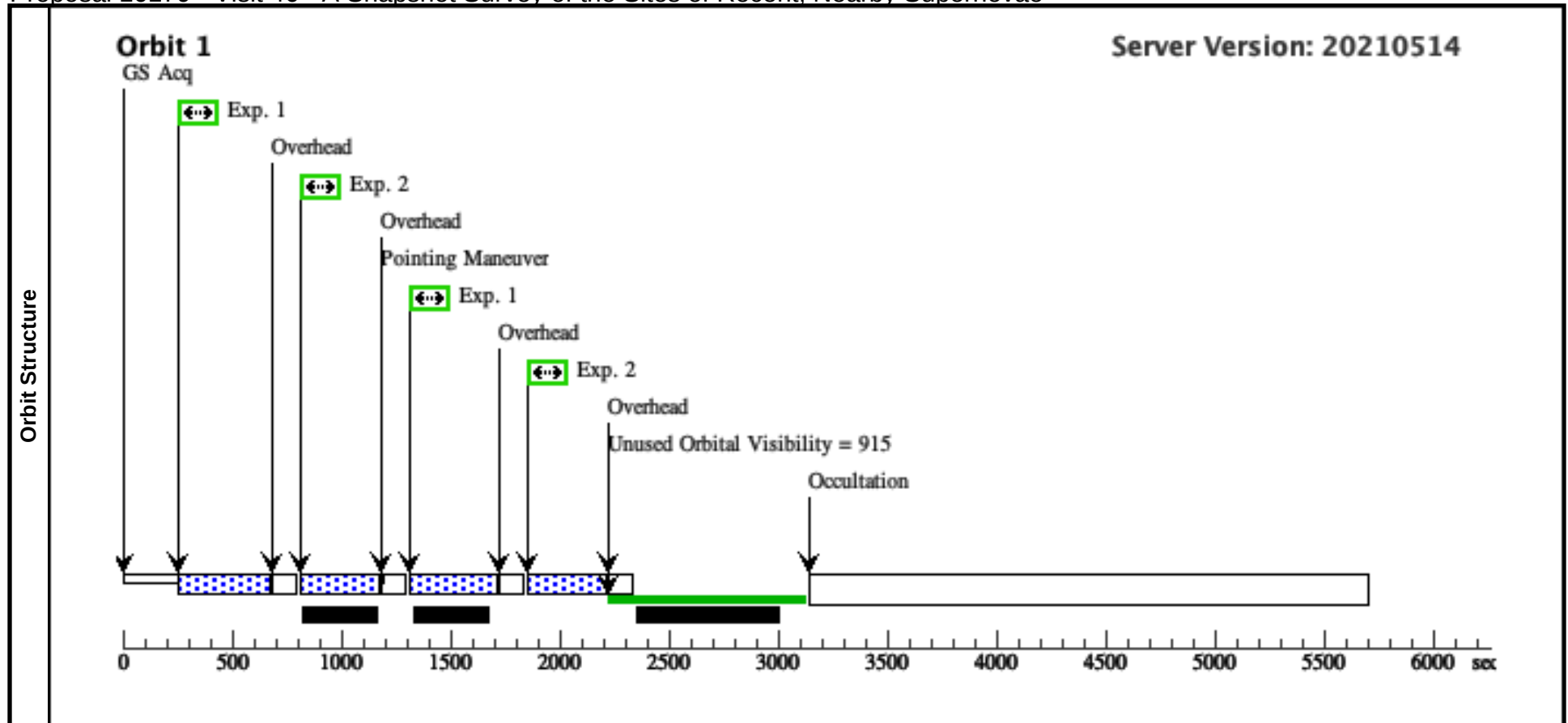
Proposal 16179 - Visit 45 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Visit	Proposal 16179, Visit 45, scheduling										Wed Feb 02 21:01:04 GMT 2022		
	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			
	(45)	SN2019FCK		RA: 13 36 13.0150 (204.0542292d) Dec: +38 21 18.22 (38.35506d) Equinox: J2000				V=25.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[SUPERNOVA]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	F814W	(45) SN2019FCK	WFC3/UVIS, ACCUM, UVIS		F814W	FLASH=10		Pattern 1, Exps 1-2 in Visit 45 (1)	390 Secs (780 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	
	2	F555W	(45) SN2019FCK	WFC3/UVIS, ACCUM, UVIS		F555W	FLASH=10		Pattern 1, Exps 1-2 in Visit 45 (1)	355 Secs (710 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	



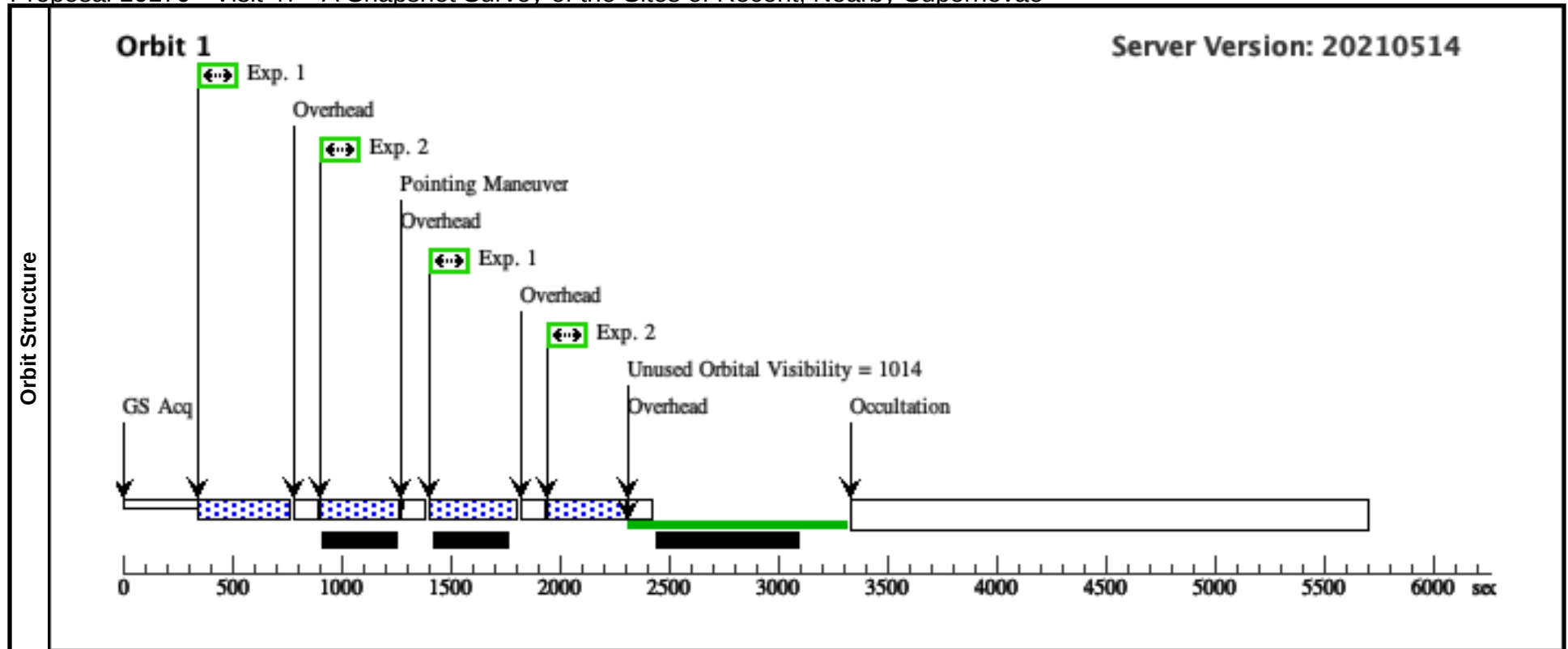
Proposal 16179 - Visit 46 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Visit	Proposal 16179, Visit 46, scheduling										Wed Feb 02 21:01:04 GMT 2022		
	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			
	(46)	SN2019YVR		RA: 12 45 8.1350 (191.2838958d) Dec: -00 27 32.83 (-.45912d) Equinox: J2000				V=25.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[SUPERNOVA]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	F814W	(46) SN2019YVR	WFC3/UVIS, ACCUM, UVIS		F814W	FLASH=10	GS ACQ SCENARIO SINGLE	Pattern 1, Exps 1-2 in Visit 46 (1)	390 Secs (780 Secs)			
										[=>(Pattern 1)] [=>(Pattern 2)]		[1]	
	2	F555W	(46) SN2019YVR	WFC3/UVIS, ACCUM, UVIS		F555W	FLASH=10		Pattern 1, Exps 1-2 in Visit 46 (1)	355 Secs (710 Secs)			
										[=>(Pattern 1)] [=>(Pattern 2)]		[1]	



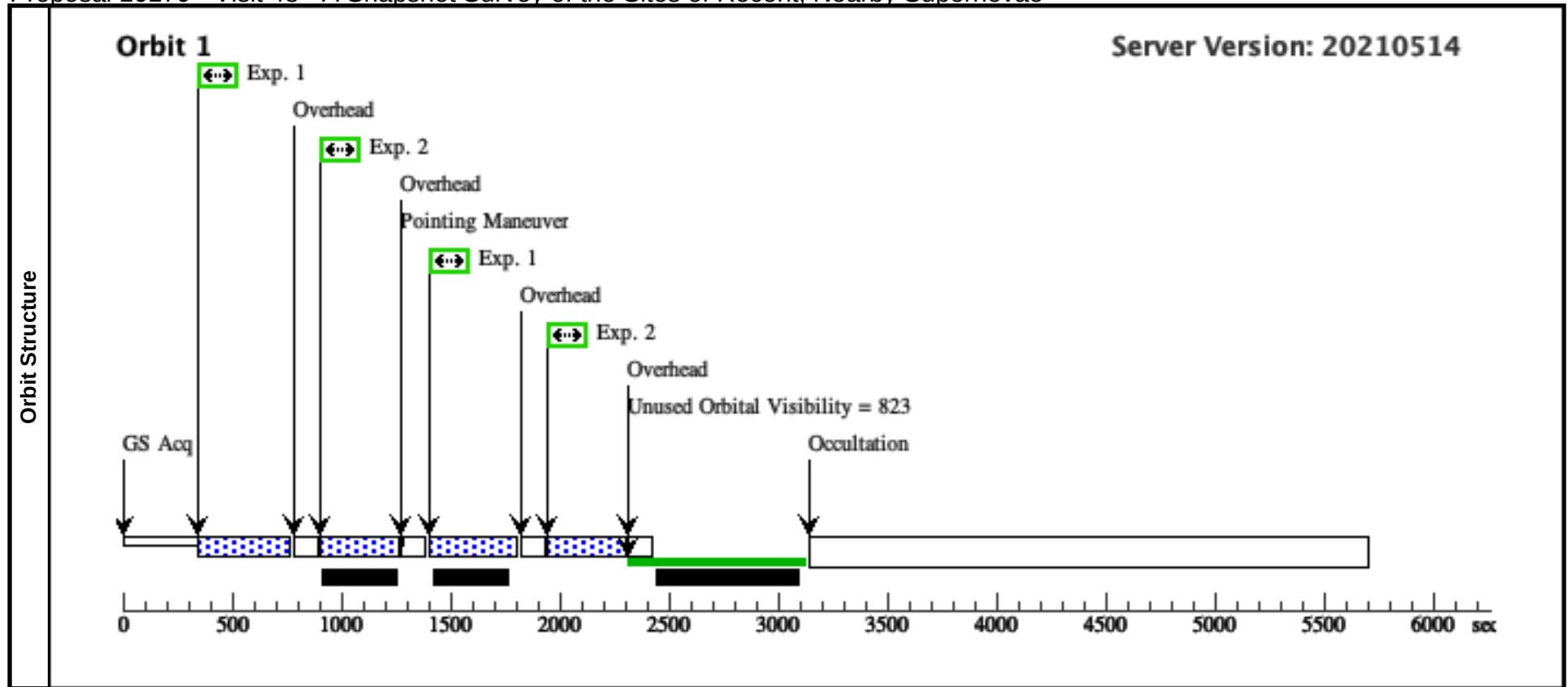
Proposal 16179 - Visit 47 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Visit	Proposal 16179, Visit 47, scheduling										Wed Feb 02 21:01:04 GMT 2022		
	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			
	(47)	IPTF14HLS		RA: 09 20 34.3000 (140.1429167d) Dec: +50 41 46.80 (50.69633d) Equinox: J2000				V=25.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[SUPERNOVA]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	F814W	(47) IPTF14HLS	WFC3/UVIS, ACCUM, UVIS		F814W	FLASH=10		Pattern 1, Exps 1-2 in Visit 47 (1)	390 Secs (780 Secs)			
										[=>(Pattern 1)] [=>(Pattern 2)]		[1]	
	2	F555W	(47) IPTF14HLS	WFC3/UVIS, ACCUM, UVIS		F555W	FLASH=10		Pattern 1, Exps 1-2 in Visit 47 (1)	355 Secs (710 Secs)			
										[=>(Pattern 1)] [=>(Pattern 2)]		[1]	



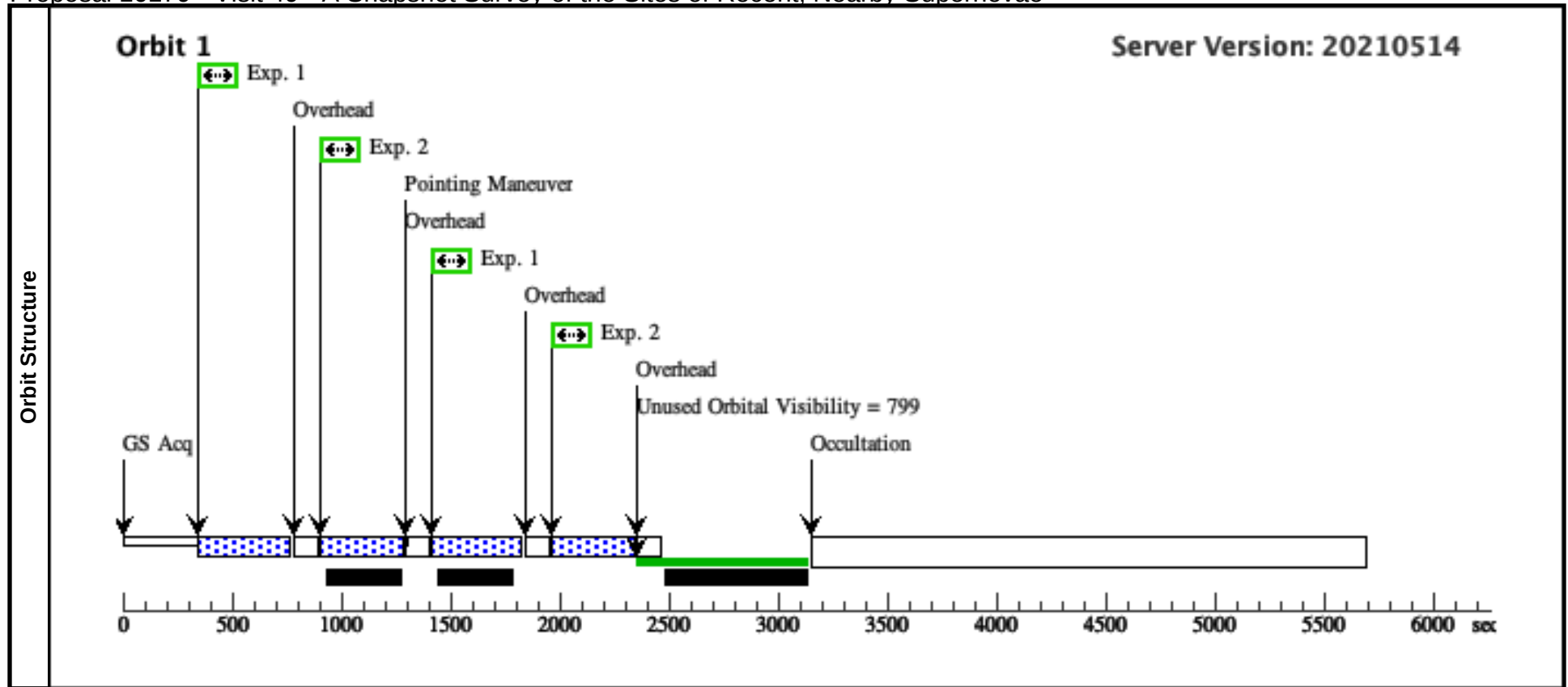
Proposal 16179 - Visit 48 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Visit	Proposal 16179, Visit 48, completed										Wed Feb 02 21:01:04 GMT 2022		
	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		
	(48)	SN2020JFO		RA: 12 21 50.4830 (185.4603458d) Dec: +04 28 54.15 (4.48171d) Equinox: J2000					V=25.0		Reference Frame: ICRS		
	Comments: Category=STAR Description=[SUPERNOVA]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	F814W	(48) SN2020JFO	WFC3/UVIS, ACCUM, UVIS		F814W	FLASH=10		Pattern 1, Exps 1-2 in Visit 48 (1)	390 Secs (780 Secs)			
										[=>(Pattern 1)] [=>(Pattern 2)]		[1]	
	2	F555W	(48) SN2020JFO	WFC3/UVIS, ACCUM, UVIS		F555W	FLASH=10		Pattern 1, Exps 1-2 in Visit 48 (1)	355 Secs (710 Secs)			
										[=>(Pattern 1)] [=>(Pattern 2)]		[1]	



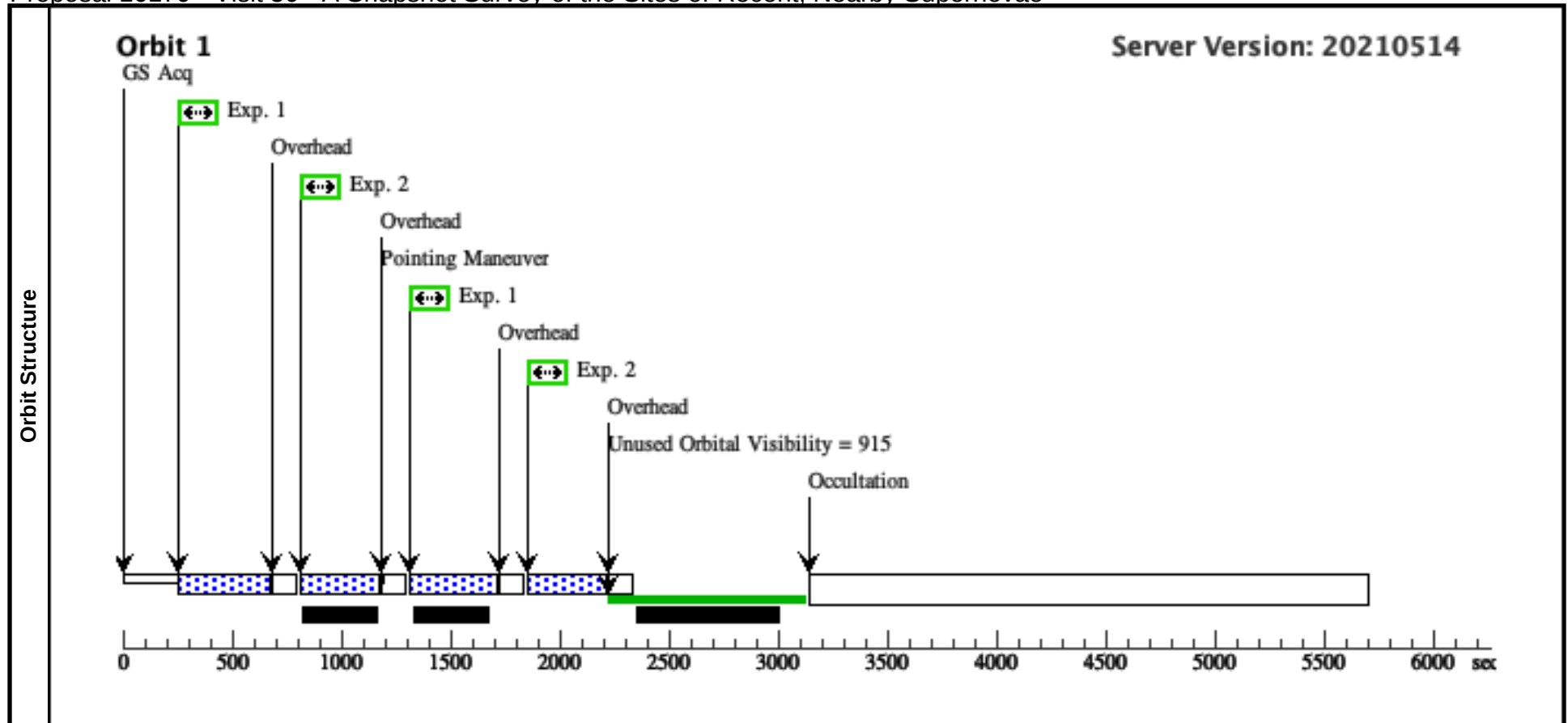
Proposal 16179 - Visit 49 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Visit	Proposal 16179, Visit 49, completed										Wed Feb 02 21:01:04 GMT 2022		
	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			
	(49)	AT2019KRL		RA: 01 36 49.3190 (24.2054958d) Dec: +15 46 33.41 (15.77595d) Equinox: J2000				V=25.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[SUPERNOVA]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	F625W	(49) AT2019KRL	WFC3/UVIS, ACCUM, UVIS		F625W	FLASH=10		Pattern 1, Exps 1-2 in Visit 49 (1)	390 Secs (780 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	
	2	F438W	(49) AT2019KRL	WFC3/UVIS, ACCUM, UVIS		F438W	FLASH=15		Pattern 1, Exps 1-2 in Visit 49 (1)	355 Secs (710 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	



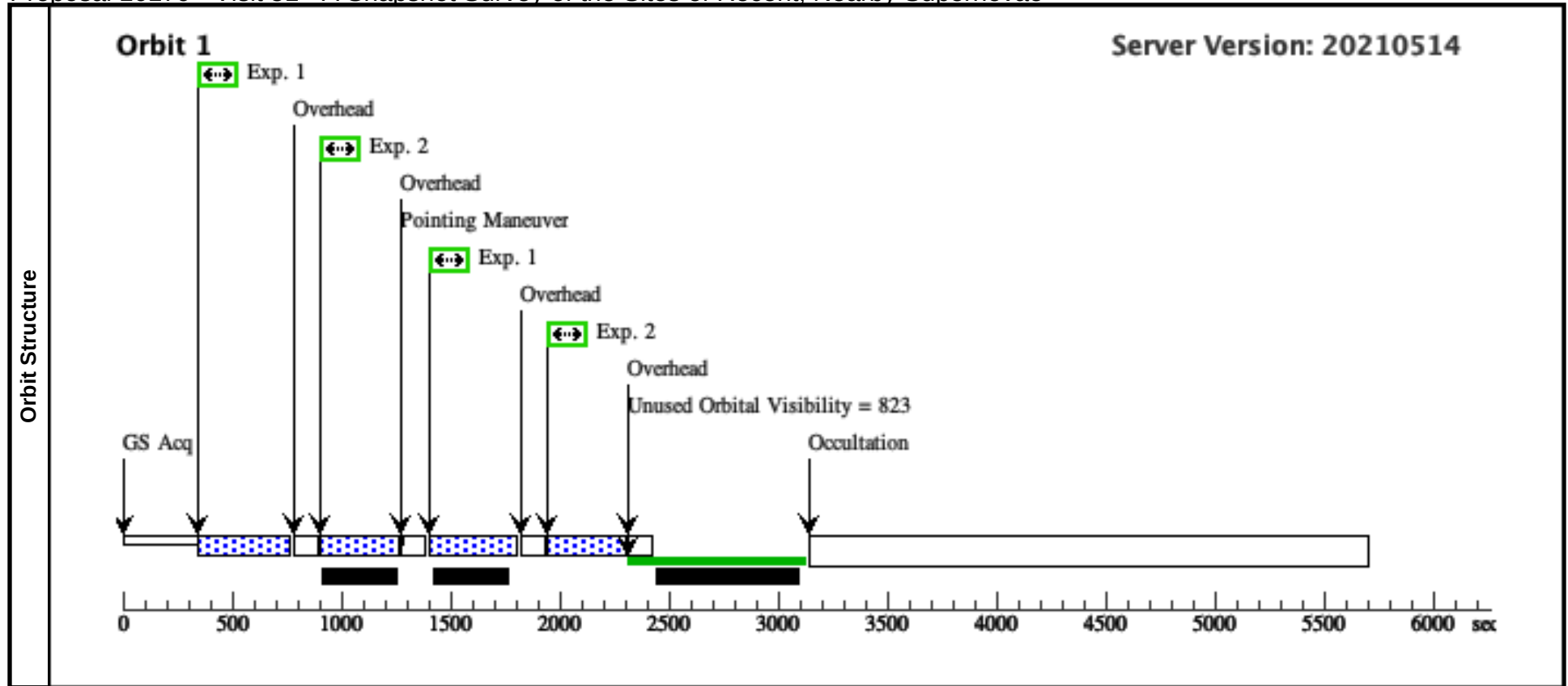
Proposal 16179 - Visit 50 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Visit	Proposal 16179, Visit 50, scheduling										Wed Feb 02 21:01:04 GMT 2022	
	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		
	(50)	AT2018AES		RA: 13 48 17.7460 (207.0739417d) Dec: +03 56 44.70 (3.94575d) Equinox: J2000				V=25.0		Reference Frame: ICRS		
	Comments: Category=STAR Description=[SUPERNOVA]											
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	F814W	(50) AT2018AES	WFC3/UVIS, ACCUM, UVIS		F814W	FLASH=10	GS ACQ SCENARIO SINGLE	Pattern 1, Exps 1-2 in Visit 50 (1)	390 Secs (780 Secs)		
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]
	2	F555W	(50) AT2018AES	WFC3/UVIS, ACCUM, UVIS		F555W	FLASH=10		Pattern 1, Exps 1-2 in Visit 50 (1)	355 Secs (710 Secs)		
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]



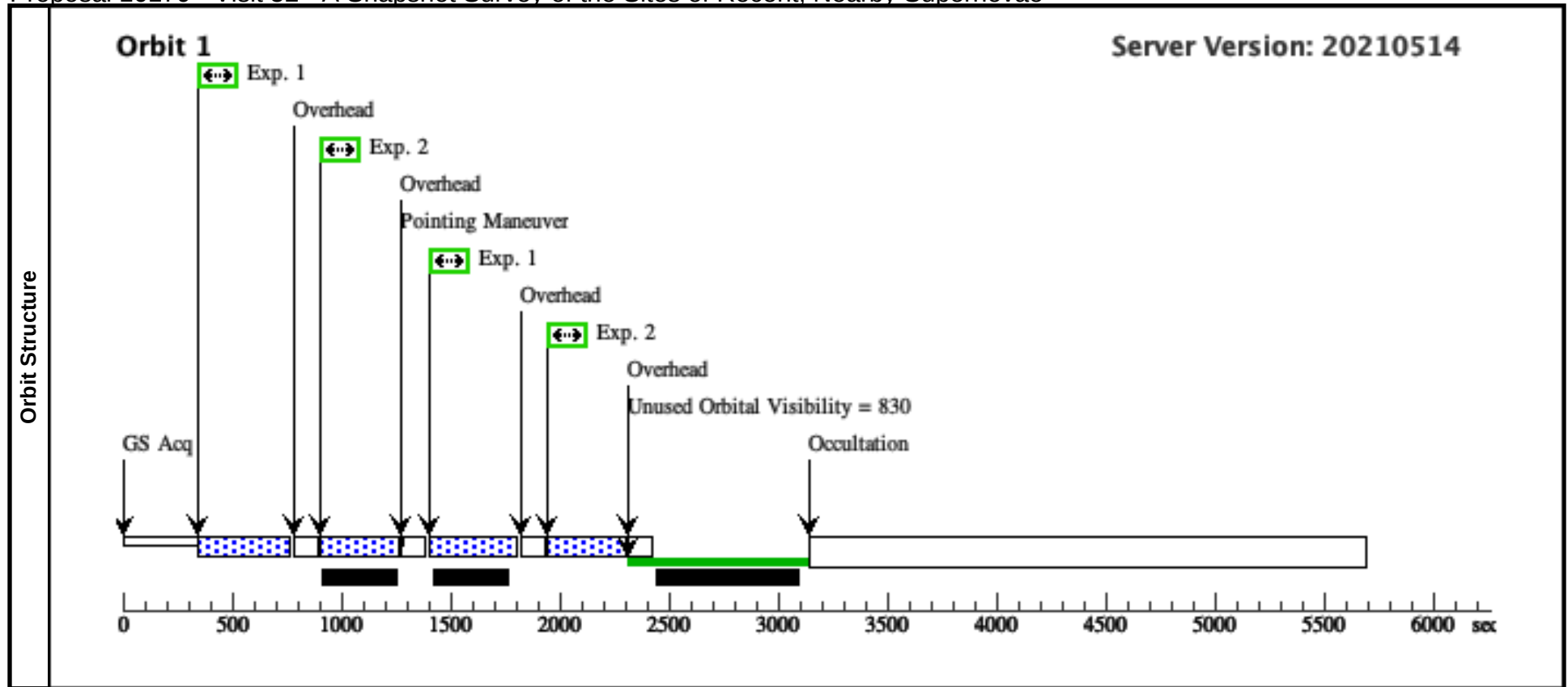
Proposal 16179 - Visit 51 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Visit	Proposal 16179, Visit 51, completed										Wed Feb 02 21:01:04 GMT 2022		
	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			
	(51)	SN2020HVP		RA: 16 21 45.3950 (245.4391458d) Dec: -02 17 21.33 (-2.28926d) Equinox: J2000				V=25.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[SUPERNOVA]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	F814W	(51) SN2020HVP	WFC3/UVIS, ACCUM, UVIS		F814W	FLASH=10		Pattern 1, Exps 1-2 in Visit 51 (1)	390 Secs (780 Secs)			
										[=>(Pattern 1)] [=>(Pattern 2)]		[1]	
	2	F555W	(51) SN2020HVP	WFC3/UVIS, ACCUM, UVIS		F555W	FLASH=10		Pattern 1, Exps 1-2 in Visit 51 (1)	355 Secs (710 Secs)			
										[=>(Pattern 1)] [=>(Pattern 2)]		[1]	



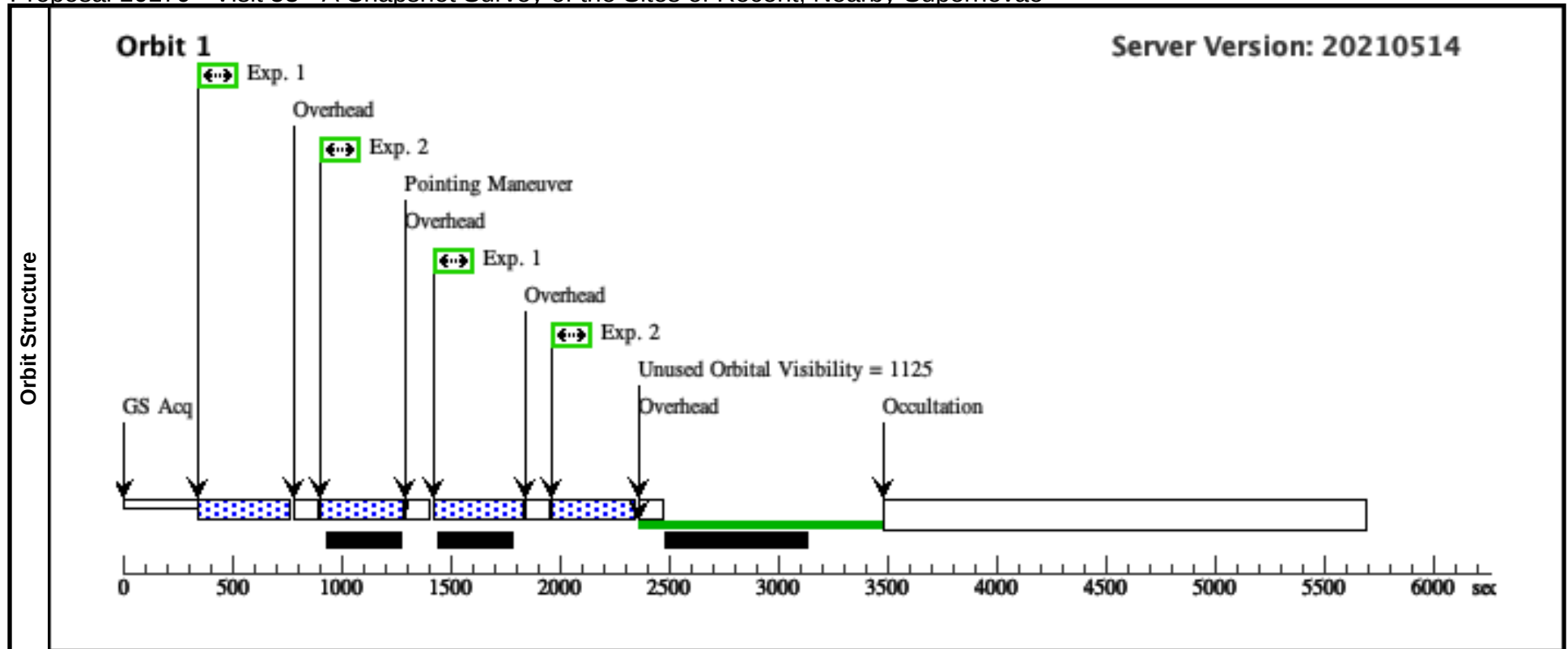
Proposal 16179 - Visit 52 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Visit	Proposal 16179, Visit 52, scheduling										Wed Feb 02 21:01:04 GMT 2022	
	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		
	(52)	SN2017HCC		RA: 00 03 50.5900 (.9607917d) Dec: -11 28 28.60 (-11.47461d) Equinox: J2000				V=25.0		Reference Frame: ICRS		
	Comments: Category=STAR Description=[SUPERNOVA]											
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	F814W	(52) SN2017HCC	WFC3/UVIS, ACCUM, UVIS		F814W	FLASH=10		Pattern 1, Exps 1-2 in Visit 52 (1)	390 Secs (780 Secs)		
										[=>(Pattern 1)]		[1]
										[=>(Pattern 2)]		
	2	F555W	(52) SN2017HCC	WFC3/UVIS, ACCUM, UVIS		F555W	FLASH=10		Pattern 1, Exps 1-2 in Visit 52 (1)	355 Secs (710 Secs)		
										[=>(Pattern 1)]		[1]
										[=>(Pattern 2)]		



Proposal 16179 - Visit 53 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Visit	Proposal 16179, Visit 53, completed										Wed Feb 02 21:01:04 GMT 2022		
	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			
	(53)	SN1993J		RA: 09 55 24.7740 (148.8532250d) Dec: +69 01 13.70 (69.02047d) Equinox: J2000				V=25.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[SUPERNOVA]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	F814W	(53) SN1993J	WFC3/UVIS, ACCUM, UVIS		F814W	FLASH=10		Pattern 1, Exps 1-2 in Visit 53 (1)	390 Secs (780 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	
	2	F336W	(53) SN1993J	WFC3/UVIS, ACCUM, UVIS		F336W	FLASH=18		Pattern 1, Exps 1-2 in Visit 53 (1)	355 Secs (710 Secs)			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	



Proposal 16179 - Visit 54 - A Snapshot Survey of the Sites of Recent, Nearby Supernovae

Visit	Proposal 16179, Visit 54, scheduling										Wed Feb 02 21:01:04 GMT 2022		
	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			
	(54)	SN2020FQV		RA: 12 36 33.2610 (189.1385875d) Dec: +11 13 53.87 (11.23163d) Equinox: J2000				V=25.0		Reference Frame: ICRS			
	Comments: Category=STAR Description=[SUPERNOVA]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	F814W	(54) SN2020FQV	WFC3/UVIS, ACCUM, UVIS		F814W	FLASH=10		Pattern 1, Exps 1-2 in Visit 54 (1)	390 Secs (780 Secs)			
										[=>(Pattern 1)]		[1]	
										[=>(Pattern 2)]			
	2	F555W	(54) SN2020FQV	WFC3/UVIS, ACCUM, UVIS		F555W	FLASH=10		Pattern 1, Exps 1-2 in Visit 54 (1)	355 Secs (710 Secs)			
									[=>(Pattern 1)]		[1]		
									[=>(Pattern 2)]				

