



14649 - Opening a New Window into Galaxy Evolution Through the Lens of CO-detected Shocked Poststarburst Galaxies

Cycle: 24, Proposal Category: SNAP

(Availability Mode: SUPPORTED)

INVESTIGATORS

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VISITS

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(1) J1336+3008	WFC3/IR WFC3/UVIS	1	29-Jul-2016 14:17:21.0	yes

Proposal 14649 (STScI Edit Number: 0, Created: Friday, July 29, 2016 1:17:51 PM EST) - Overview

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
02	(2) J1008+0936	WFC3/IR WFC3/UVIS	1	29-Jul-2016 14:17:22.0	yes
03	(3) J1313+0207	WFC3/IR WFC3/UVIS	1	29-Jul-2016 14:17:23.0	yes
04	(4) J1136+2453	WFC3/IR WFC3/UVIS	1	29-Jul-2016 14:17:23.0	yes
05	(5) J0957-0012	WFC3/IR WFC3/UVIS	1	29-Jul-2016 14:17:24.0	yes
06	(6) J1506+0806	WFC3/IR WFC3/UVIS	1	29-Jul-2016 14:17:25.0	yes
07	(7) J0918+4200	WFC3/IR WFC3/UVIS	1	29-Jul-2016 14:17:26.0	yes
08	(8) J1314+2106	WFC3/IR WFC3/UVIS	1	29-Jul-2016 14:17:26.0	yes
09	(9) J0011-0054	WFC3/IR WFC3/UVIS	1	29-Jul-2016 14:17:27.0	yes
10	(10) J1057+0554	WFC3/IR WFC3/UVIS	1	29-Jul-2016 14:17:27.0	yes
11	(11) J0859+1006	WFC3/IR WFC3/UVIS	1	29-Jul-2016 14:17:28.0	yes
12	(12) J1645+3048	WFC3/IR WFC3/UVIS	1	29-Jul-2016 14:17:29.0	yes
13	(13) J1339+4422	WFC3/IR WFC3/UVIS	1	29-Jul-2016 14:17:29.0	yes
14	(14) J0807+2006	WFC3/IR WFC3/UVIS	1	29-Jul-2016 14:17:30.0	yes
15	(15) J1555+2955	WFC3/IR WFC3/UVIS	1	29-Jul-2016 14:17:31.0	yes

Proposal 14649 (STScI Edit Number: 0, Created: Friday, July 29, 2016 1:17:51 PM EST) - Overview

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
16	(16) J0914+3753	WFC3/IR WFC3/UVIS	1	29-Jul-2016 14:17:31.0	yes
17	(17) J1028+5736	WFC3/IR WFC3/UVIS	1	29-Jul-2016 14:17:32.0	yes
18	(18) J1216+1904	WFC3/IR WFC3/UVIS	1	29-Jul-2016 14:17:32.0	yes
19	(19) J0925+0623	WFC3/IR WFC3/UVIS	1	29-Jul-2016 14:17:33.0	yes
20	(20) J1248+5514	WFC3/IR WFC3/UVIS	1	29-Jul-2016 14:17:34.0	yes
21	(21) J0938+1819	WFC3/IR WFC3/UVIS	1	29-Jul-2016 14:17:34.0	yes
22	(22) J1409+1016	WFC3/IR WFC3/UVIS	1	29-Jul-2016 14:17:35.0	yes
23	(23) J1126+1913	WFC3/IR WFC3/UVIS	1	29-Jul-2016 14:17:36.0	yes
24	(24) J0928+0741	WFC3/IR WFC3/UVIS	1	29-Jul-2016 14:17:36.0	yes
25	(25) J1026+4340	WFC3/IR WFC3/UVIS	1	29-Jul-2016 14:17:37.0	yes
26	(26) J1529+0601	WFC3/IR WFC3/UVIS	1	29-Jul-2016 14:17:38.0	yes
27	(27) J1211+2936	WFC3/IR WFC3/UVIS	1	29-Jul-2016 14:17:38.0	yes
28	(28) J1018+1536	WFC3/IR WFC3/UVIS	1	29-Jul-2016 14:17:39.0	yes
29	(29) J0816+1936	WFC3/IR WFC3/UVIS	1	29-Jul-2016 14:17:39.0	yes

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<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
30	(30) J0845+2006	WFC3/IR WFC3/UVIS	1	29-Jul-2016 14:17:40.0	yes
31	(31) J1529+0913	WFC3/IR WFC3/UVIS	1	29-Jul-2016 14:17:41.0	yes
32	(32) J0853+0310	WFC3/IR WFC3/UVIS	1	29-Jul-2016 14:17:41.0	yes
33	(33) J1356+2816	WFC3/IR WFC3/UVIS	1	29-Jul-2016 14:17:42.0	yes
34	(34) J0803+2530	WFC3/IR WFC3/UVIS	1	29-Jul-2016 14:17:42.0	yes
35	(35) J0003+0048	WFC3/IR WFC3/UVIS	1	29-Jul-2016 14:17:43.0	yes
36	(36) J1153+0930	WFC3/IR WFC3/UVIS	1	29-Jul-2016 14:17:44.0	yes
37	(37) J1505+5847	WFC3/IR WFC3/UVIS	1	29-Jul-2016 14:17:44.0	yes
38	(38) J1127+1256	WFC3/IR WFC3/UVIS	1	29-Jul-2016 14:17:45.0	yes
39	(39) J1008+5123	WFC3/IR WFC3/UVIS	1	29-Jul-2016 14:17:45.0	yes
40	(40) J1031+0540	WFC3/IR WFC3/UVIS	1	29-Jul-2016 14:17:46.0	yes
41	(41) J1229+3224	WFC3/IR WFC3/UVIS	1	29-Jul-2016 14:17:47.0	yes
42	(42) J1139+4631	WFC3/IR WFC3/UVIS	1	29-Jul-2016 14:17:47.0	yes
43	(43) J1326+1922	WFC3/IR WFC3/UVIS	1	29-Jul-2016 14:17:48.0	yes

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
44	(44) J1008+1916	WFC3/IR WFC3/UVIS	1	29-Jul-2016 14:17:48.0	yes
45	(45) J0119+1334	WFC3/IR WFC3/UVIS	1	29-Jul-2016 14:17:49.0	yes
46	(46) J2326-0114	WFC3/IR WFC3/UVIS	1	29-Jul-2016 14:17:50.0	yes

46 Total Orbits Used

ABSTRACT

New observations have challenged the model of galaxy evolution that requires the complete expulsion of the ISM for a galaxy to transform, instead showing signs that a transition-ISM feedback loop might operate. We have identified a sample of galaxies that appear to be in the process of transitioning from blue, star-forming galaxies to red, quiescent ellipticals, based on poststarburst spectra and emission line ratios from shocks. From our candidate shocked poststarburst galaxies (SPOGs), we request snapshot observations of a subsample of the 46 SPOGs with detected reservoirs of molecular gas. These CO-SPOGs are a unique population, having been selected to be in an earlier phase of transformation than traditionally-selected poststarburst galaxies. CO-SPOGs show a variety of properties, from radio emission to morphological disruptions to enhanced NaD absorption likely from AGN-driven winds. We will use B, I and H imaging on with WFC3/UVIS and WFC3/IR to (1) probe the internal stellar structures of the observed CO-SPOGs for signs of gravitational torques from minor mergers, (2) map the dust morphologies, searching for dust filaments and stellar superclusters that could point to accretion or major interaction events, provide independent constraints on the mass and column of the neutral material, and directly image dust cones from nuclear outflows (as in NGC1266). Our requested WFC3 snapshot observations of CO-SPOGs aim to understand the triggering mechanisms that have incited this transformation, as well as if, and how, the recently discovered transition-ISM feedback loop might operate, and its impact on our understanding of galaxy evolution.

OBSERVING DESCRIPTION

Each SPOG in our sample will be observed in 3 filters with WFC3: UVIS F438W, UVIS F814W and UVIS F160W. We aim to reach a minimum signal to noise ratio, SNR \geq 10 per resolution element (normally 1 pixel), in each filter, for the galaxy regions of interest. We will apply 2 \times 2 pixel binning in CO-SPOGs with fainter B-band emission. This binning has a resolution far superior (\geq 0.100) to anything attainable for even the best seeing from the ground. The typical resolution for all bands, 0.100, corresponds to 50 \times 500pc at the source distance. If there are dust cone structures

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similar to what is seen in NGC 1266, the WFC3 resolution is sufficiently high to resolve it even for the highest redshift object. In all cases, the WFC3 field of view will detect the entire CO-SPOG, and will provide constraints on the environment (detecting and imaging nearby companions).

The exposure time per filter for a typical SNAPSHOT source of the CO-SPOG is accordingly (with the range of values shown in parentheses)

F438W: 1000 seconds (300|*|1000s)

F814W: 60 seconds (60|*|300s)

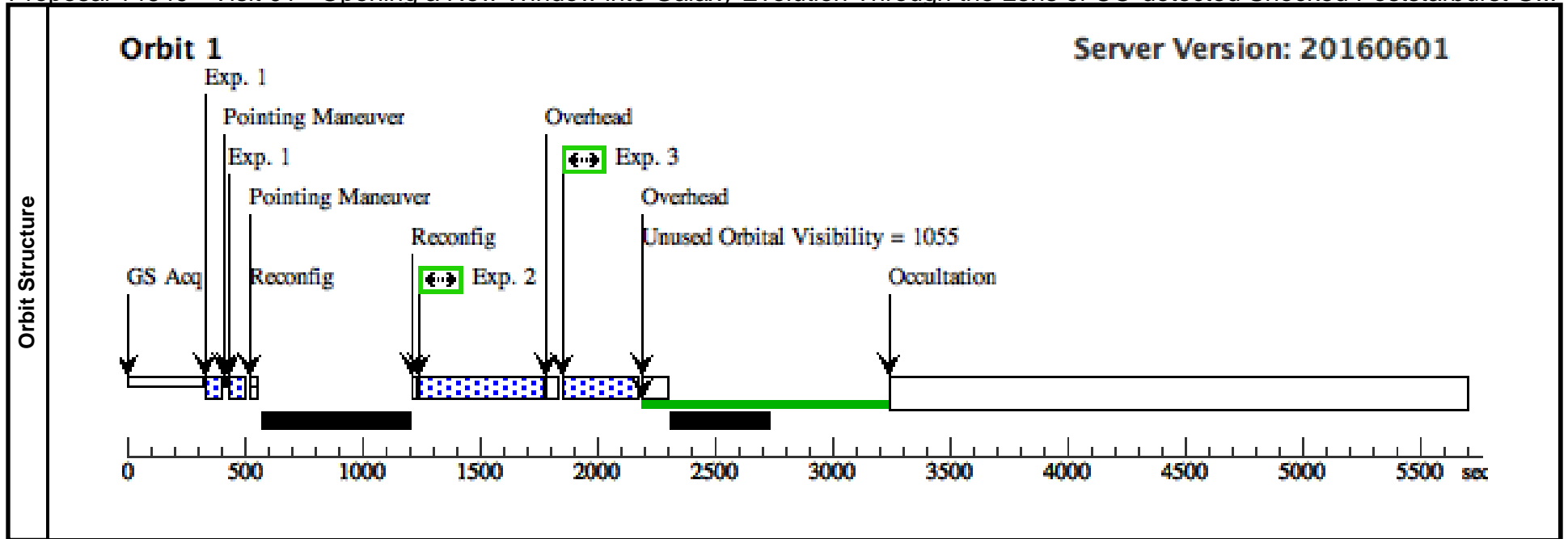
F160W: 60 seconds. (50|*|80s)

Including all filters in a single observation (and accounting for the short time to switch filters), the total exposure still time fits within the SNAPSHOT time limit of 20 minutes. ETC calculations for the WFC3/UVIS filters utilized the SDSS spectra of the sources (a composite spectrum of all 46 sources is shown in Figure 6), and assume a 2 point dither. For the WFC3/IR F160W ETC calculations, we used the 2MASS H-band magnitudes, also with a 2 point dither. The optical (SDSS thumbnails in Figure 4) and near-IR (2MASS H-band thumbnails in Figure 5) images also support these time estimates.

Proposal 14649 - Visit 01 - Opening a New Window into Galaxy Evolution Through the Lens of CO-detected Shocked Poststarburst G...

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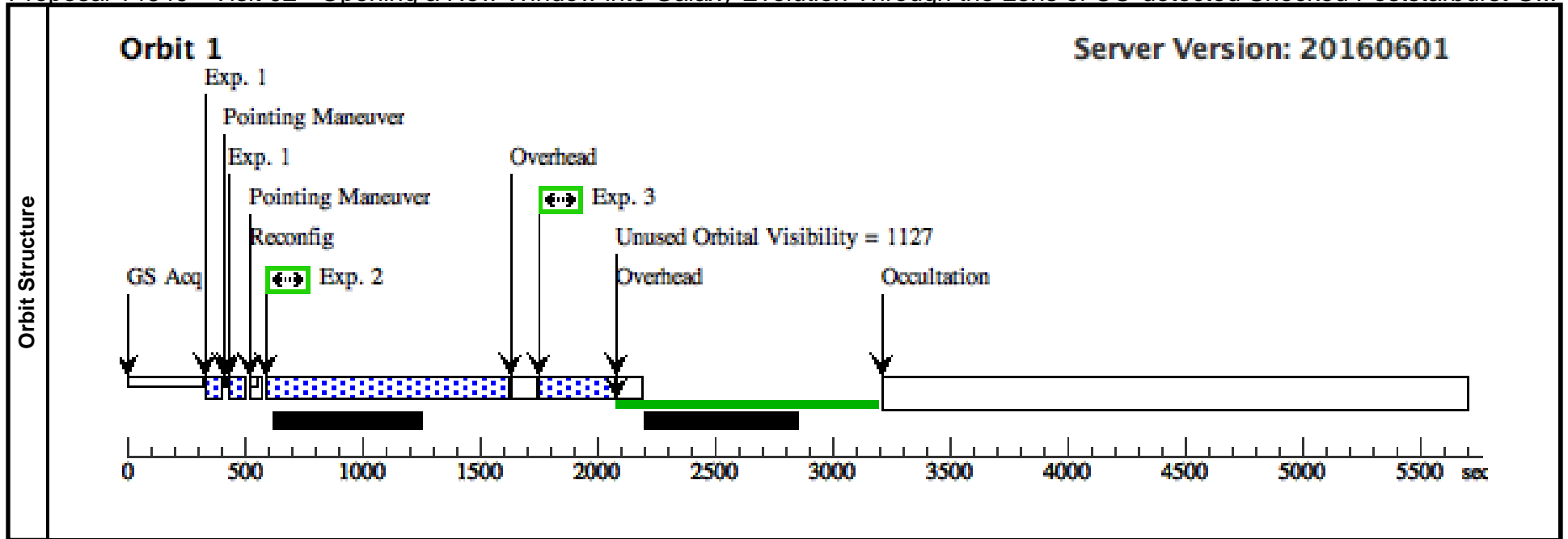
Visit	Proposal 14649, Visit 01 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
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		(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(1)	J1336+3008	RA: 13 36 4.1280 (204.0172000d) Dec: +30 08 27.96 (30.14110d) Equinox: J2000			V=16.43799	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) J1336+3008	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ;		Pattern 1, Exps 1-1 i n Visit 01 (1)	43.984365 Secs (87.969 Secs)	
									[==>(Pattern 1)]	[1]
									[==>(Pattern 2)]	
	2		(1) J1336+3008	WFC3/UVIS, ACCUM, UVIS2	F438W	FLASH=8; BIN=2			500 Secs (500 Secs)	
								[==>]	[1]	
	3		(1) J1336+3008	WFC3/UVIS, ACCUM, UVIS2	F814W	FLASH=8			300 Secs (300 Secs)	
								[==>]	[1]	



Proposal 14649 - Visit 02 - Opening a New Window into Galaxy Evolution Through the Lens of CO-detected Shocked Poststarburst G...

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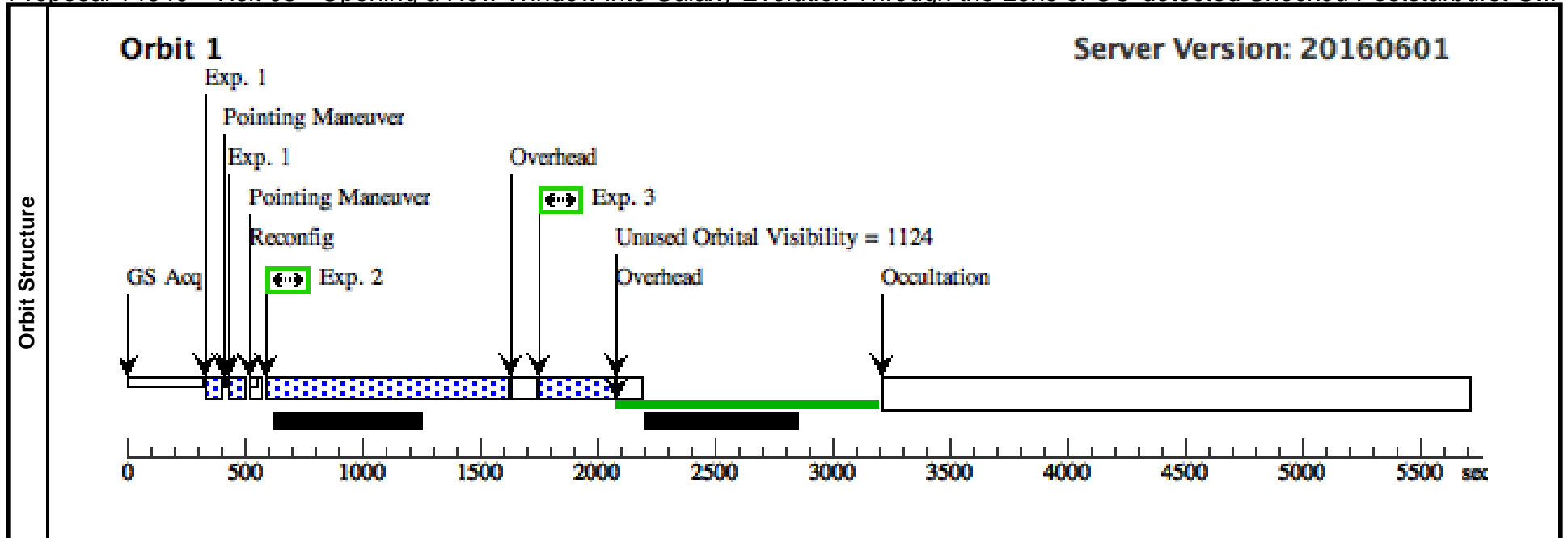
Visit	Proposal 14649, Visit 02 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(2)	J1008+0936	RA: 10 08 16.2240 (152.0676000d) Dec: +09 36 16.20 (9.60450d) Equinox: J2000			V=16.072302	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(2) J1008+0936	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID		Pattern 1, Exps 1-1 i n Visit 02 (1)	43.984365 Secs (87.969 Secs)	
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									[==>(Pattern 2)]	
2		(2) J1008+0936	WFC3/UVIS, ACCUM, UVIS2	F438W	FLASH=3			1000 Secs (1000 Secs)		
								[==>]	[1]	
3		(2) J1008+0936	WFC3/UVIS, ACCUM, UVIS2	F814W	FLASH=8			300 Secs (300 Secs)		
								[==>]	[1]	



Proposal 14649 - Visit 03 - Opening a New Window into Galaxy Evolution Through the Lens of CO-detected Shocked Poststarburst G...

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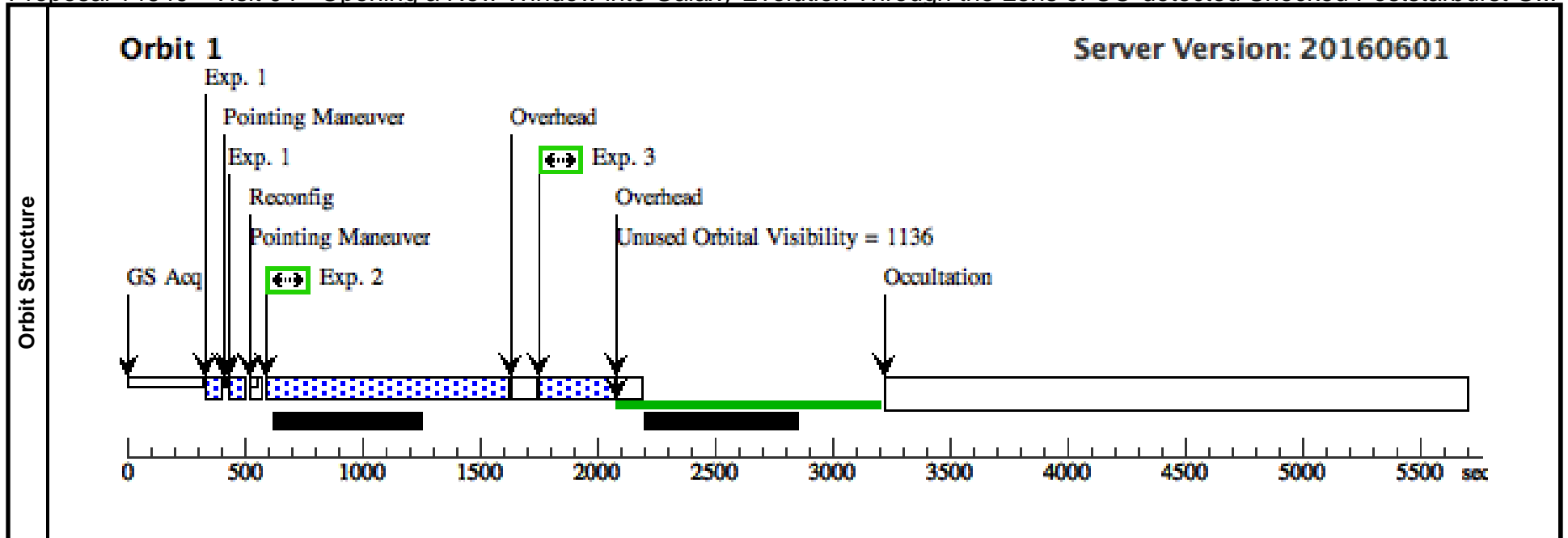
Visit	Proposal 14649, Visit 03 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
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Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes	Miscellaneous		
	(3)	J1313+0207	RA: 13 13 52.3920 (198.4683000d) Dec: +02 07 57.36 (2.13260d) Equinox: J2000				V=15.028177	Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(3) J1313+0207	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ;		Pattern 1, Exps 1-1 i n Visit 03 (1)	43.984365 Secs (87.969 Secs)	
									[==>(Pattern 1)]	[1]
									[==>(Pattern 2)]	
2		(3) J1313+0207	WFC3/UVIS, ACCUM, UVIS2	F438W	FLASH=3			1000 Secs (1000 Secs)		
								[==>]	[1]	
3		(3) J1313+0207	WFC3/UVIS, ACCUM, UVIS2	F814W	FLASH=8			300 Secs (300 Secs)		
								[==>]	[1]	



Proposal 14649 - Visit 04 - Opening a New Window into Galaxy Evolution Through the Lens of CO-detected Shocked Poststarburst G...

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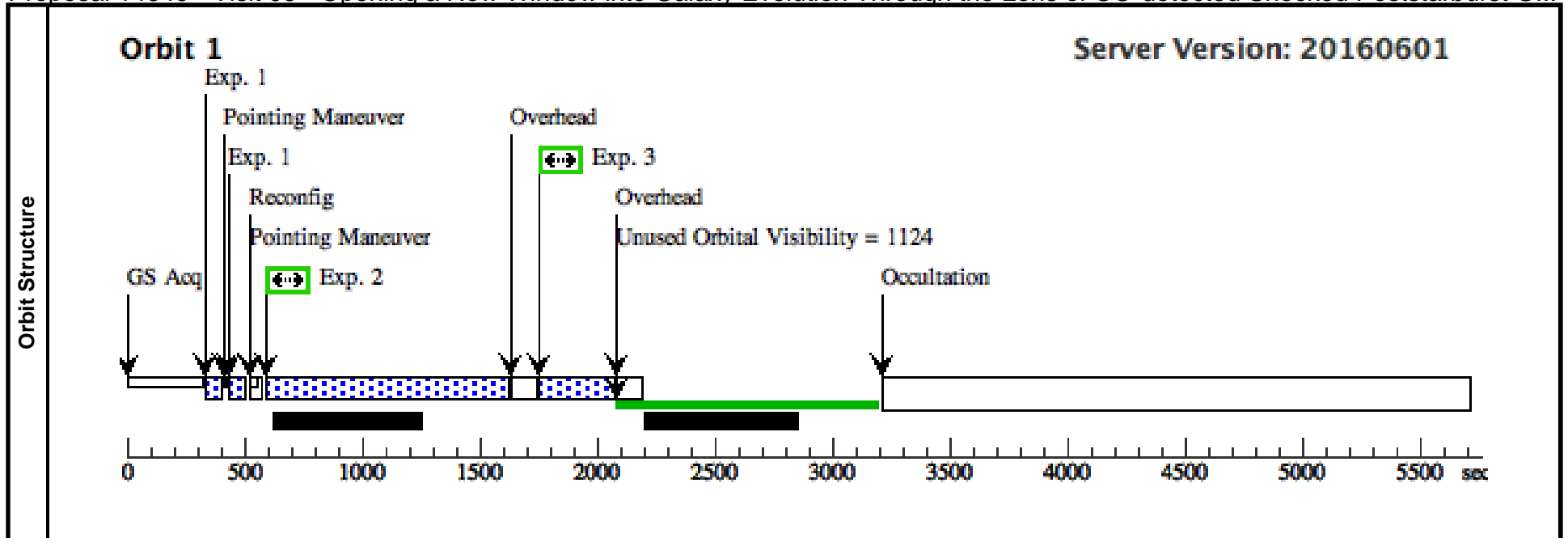
Visit	Proposal 14649, Visit 04 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
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Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(4)	J1136+2453	RA: 11 36 55.2000 (174.2300000d) Dec: +24 53 25.44 (24.89040d) Equinox: J2000				V=16.440388			Reference Frame: ICRS
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(4) J1136+2453	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ;		Pattern 1, Exps 1-1 i n Visit 04 (1)	43.984365 Secs (87.969 Secs)	
									[==>(Pattern 1)]	[1]
									[==>(Pattern 2)]	
2		(4) J1136+2453	WFC3/UVIS, ACCUM, UVIS2	F438W	FLASH=3			1000 Secs (1000 Secs)		
								[==>]	[1]	
3		(4) J1136+2453	WFC3/UVIS, ACCUM, UVIS2	F814W	FLASH=8			300 Secs (300 Secs)		
								[==>]	[1]	



Proposal 14649 - Visit 05 - Opening a New Window into Galaxy Evolution Through the Lens of CO-detected Shocked Poststarburst G...

Fri Jul 29 18:17:52 GMT 2016

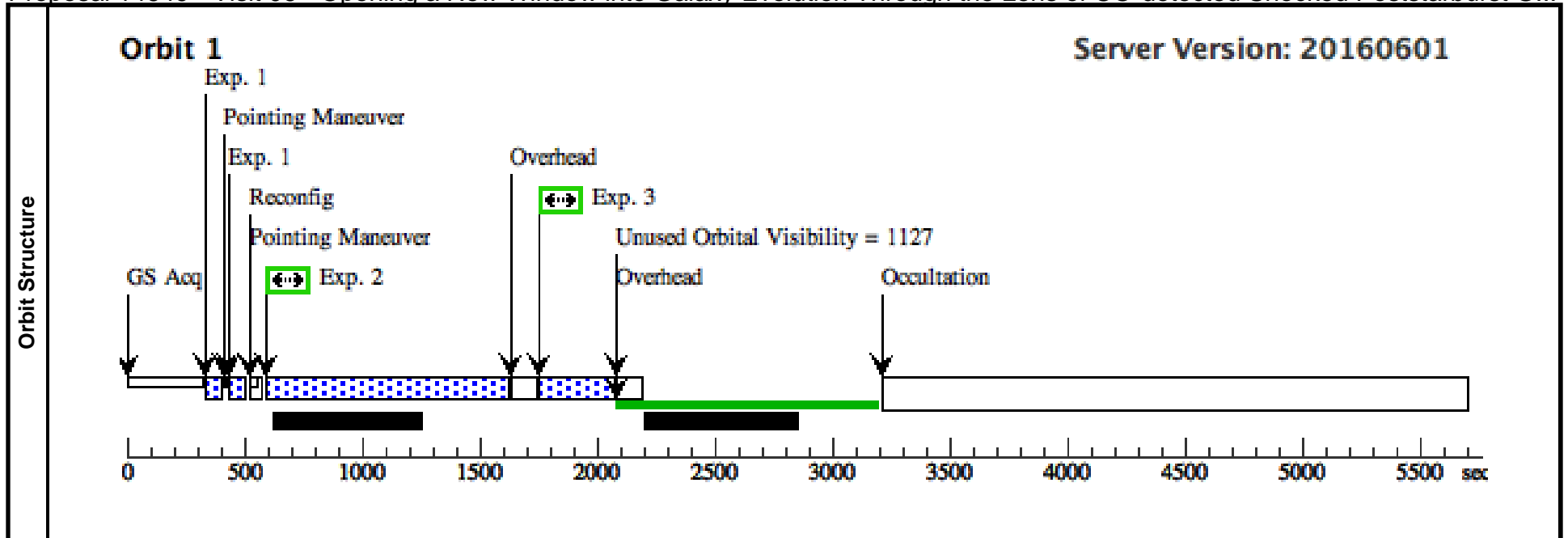
Visit	Proposal 14649, Visit 05 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)										
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Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(5)	J0957-0012	RA: 09 57 49.5360 (149.4564000d) Dec: -00 12 39.24 (-.21090d) Equinox: J2000				V=16.013739			Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(5) J0957-0012	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ;		Pattern 1, Exps 1-1 i n Visit 05 (1)	43.984365 Secs (87.969 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
2		(5) J0957-0012	WFC3/UVIS, ACCUM, UVIS2	F438W	FLASH=3			1000 Secs (1000 Secs)			
								[==>]		[1]	
3		(5) J0957-0012	WFC3/UVIS, ACCUM, UVIS2	F814W	FLASH=8			300 Secs (300 Secs)			
								[==>]		[1]	



Proposal 14649 - Visit 06 - Opening a New Window into Galaxy Evolution Through the Lens of CO-detected Shocked Poststarburst G...

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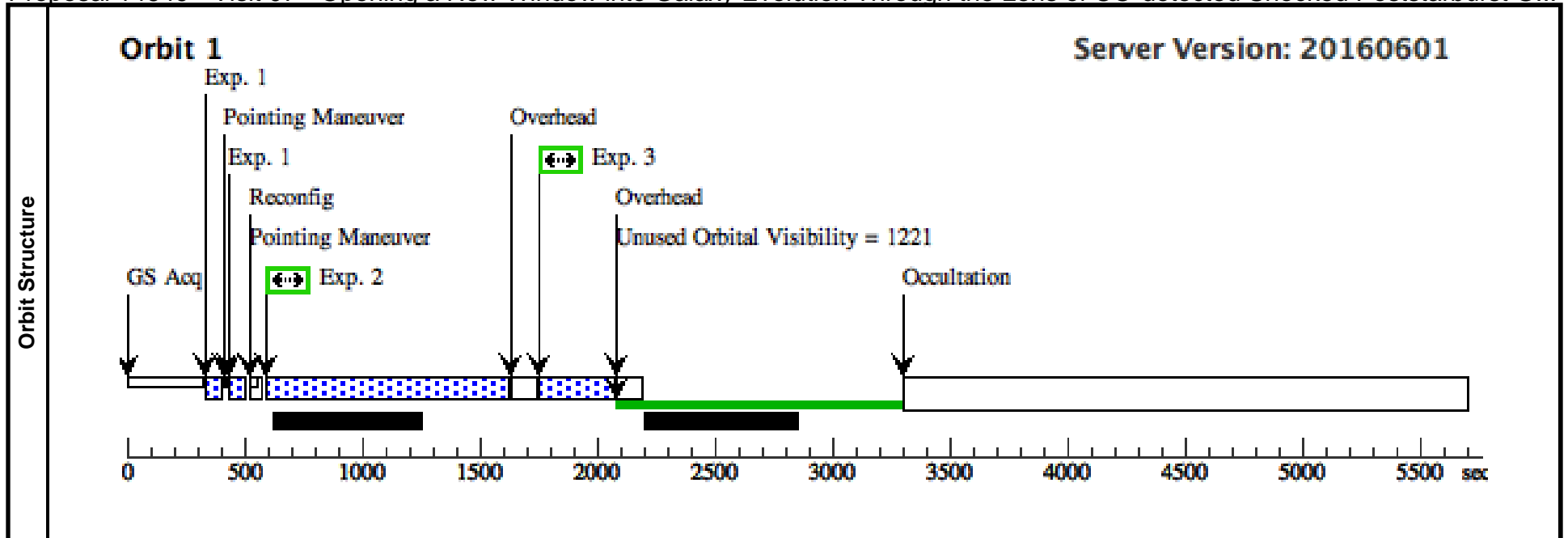
Visit	Proposal 14649, Visit 06 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
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Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(6)	J1506+0806	RA: 15 06 19.1760 (226.5799000d) Dec: +08 06 42.48 (8.11180d) Equinox: J2000			V=16.023857	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(6) J1506+0806	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID		Pattern 1, Exps 1-1 i n Visit 06 (1)	43.984365 Secs (87.969 Secs)	
									[==>(Pattern 1)]	[1]
									[==>(Pattern 2)]	
2		(6) J1506+0806	WFC3/UVIS, ACCUM, UVIS2	F438W	FLASH=3			1000 Secs (1000 Secs)		
								[==>]	[1]	
3		(6) J1506+0806	WFC3/UVIS, ACCUM, UVIS2	F814W	FLASH=8			300 Secs (300 Secs)		
								[==>]	[1]	



Proposal 14649 - Visit 07 - Opening a New Window into Galaxy Evolution Through the Lens of CO-detected Shocked Poststarburst G...

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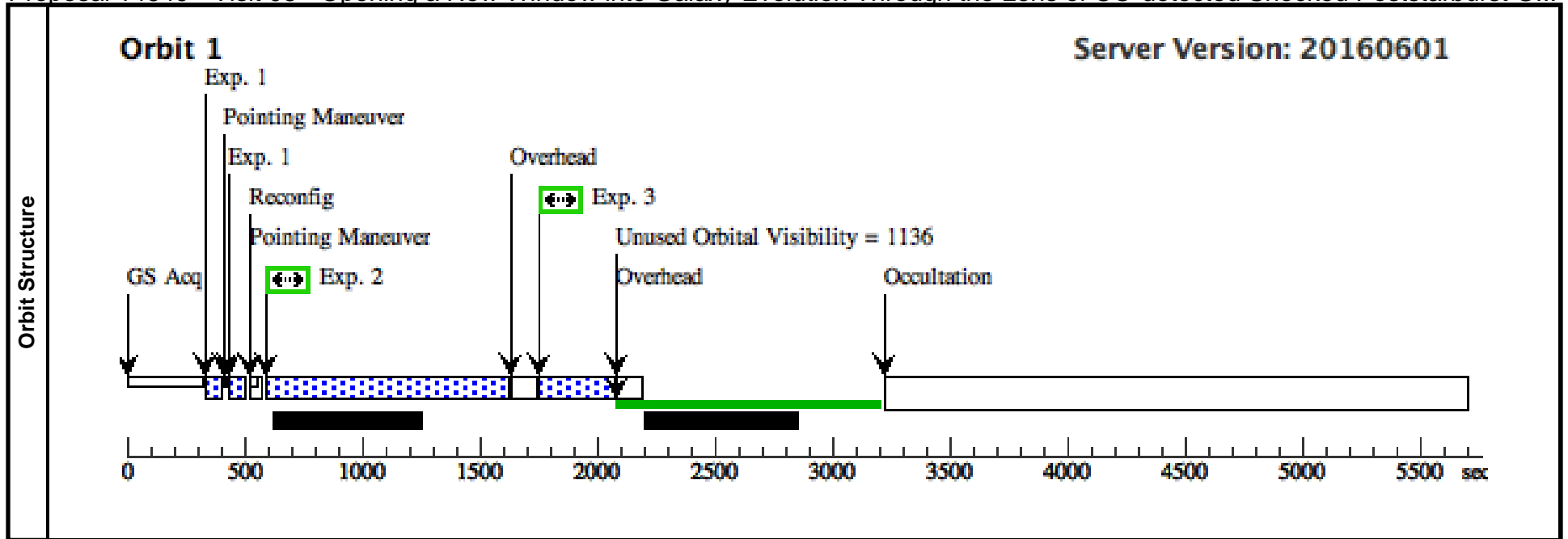
Visit	Proposal 14649, Visit 07 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
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Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(7)	J0918+4200	RA: 09 18 49.9920 (139.7083000d) Dec: +42 00 43.56 (42.01210d) Equinox: J2000			V=16.260658	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(7) J0918+4200	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID		Pattern 1, Exps 1-1 i n Visit 07 (1)	43.984365 Secs (87.969 Secs)	
									[==>(Pattern 1)]	[1]
									[==>(Pattern 2)]	
2		(7) J0918+4200	WFC3/UVIS, ACCUM, UVIS2	F438W	FLASH=3			1000 Secs (1000 Secs)		
								[==>]	[1]	
3		(7) J0918+4200	WFC3/UVIS, ACCUM, UVIS2	F814W	FLASH=8			300 Secs (300 Secs)		
								[==>]	[1]	



Proposal 14649 - Visit 08 - Opening a New Window into Galaxy Evolution Through the Lens of CO-detected Shocked Poststarburst G...

Fri Jul 29 18:17:52 GMT 2016

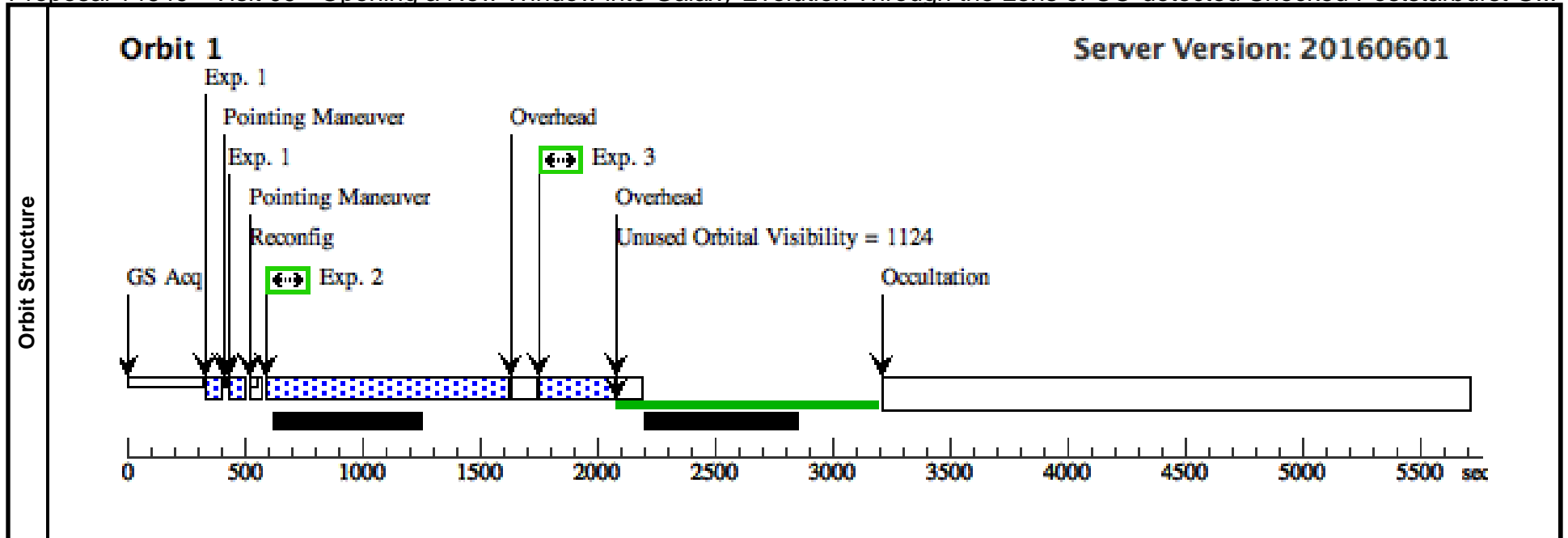
Visit	Proposal 14649, Visit 08 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(8)	J1314+2106	RA: 13 14 47.6160 (198.6984000d) Dec: +21 06 26.28 (21.10730d) Equinox: J2000			V=15.817603	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(8) J1314+2106	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ;		Pattern 1, Exps 1-1 i n Visit 08 (1)	43.984365 Secs (87.969 Secs)	
						NSAMP=15			[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		(8) J1314+2106	WFC3/UVIS, ACCUM, UVIS2	F438W	FLASH=3			1000 Secs (1000 Secs)	
								[==>]	[1]	
3		(8) J1314+2106	WFC3/UVIS, ACCUM, UVIS2	F814W		FLASH=8			300 Secs (300 Secs)	
								[==>]	[1]	



Proposal 14649 - Visit 09 - Opening a New Window into Galaxy Evolution Through the Lens of CO-detected Shocked Poststarburst G...

Fri Jul 29 18:17:52 GMT 2016

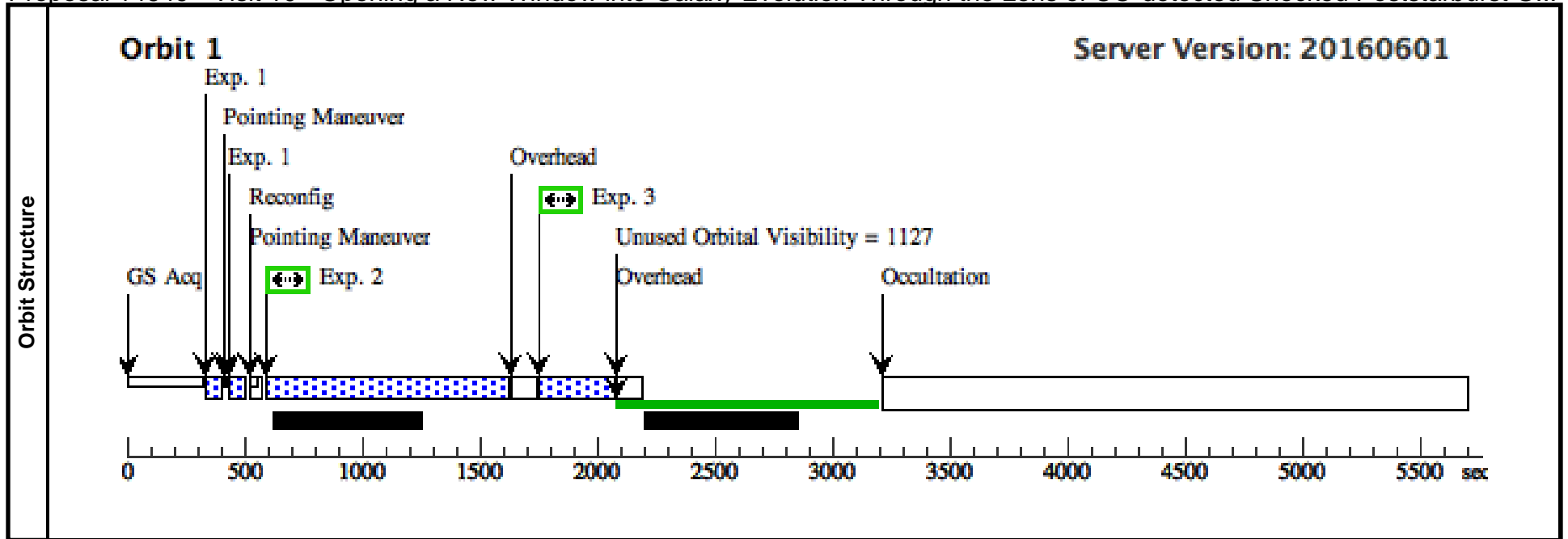
Visit	Proposal 14649, Visit 09 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(9)	J0011-0054	RA: 00 11 45.2160 (2.9384000d) Dec: -00 54 30.60 (-.90850d) Equinox: J2000			V=16.939091	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(9) J0011-0054	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ;		Pattern 1, Exps 1-1 i n Visit 09 (1)	43.984365 Secs (87.969 Secs)	
						NSAMP=15			[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		(9) J0011-0054	WFC3/UVIS, ACCUM, UVIS2	F438W	FLASH=3			1000 Secs (1000 Secs)	
								[==>]	[1]	
3		(9) J0011-0054	WFC3/UVIS, ACCUM, UVIS2	F814W	FLASH=8			300 Secs (300 Secs)		
								[==>]	[1]	



Proposal 14649 - Visit 10 - Opening a New Window into Galaxy Evolution Through the Lens of CO-detected Shocked Poststarburst G...

Fri Jul 29 18:17:52 GMT 2016

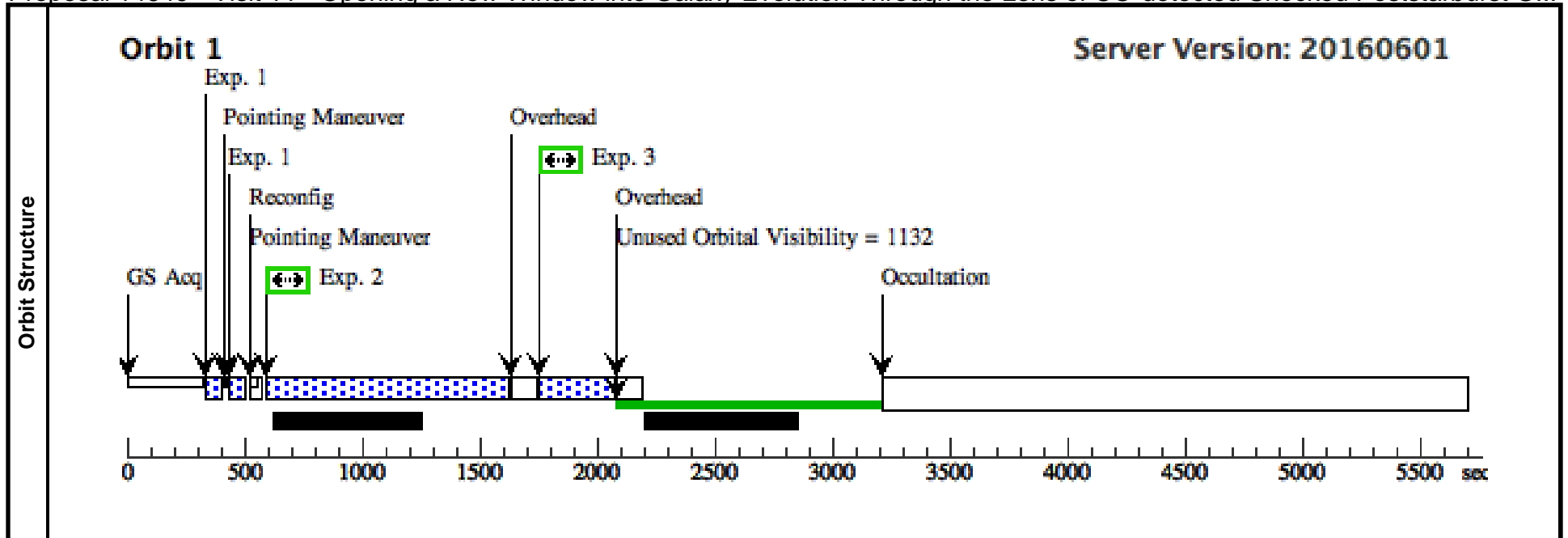
Visit	Proposal 14649, Visit 10 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(10)	J1057+0554	RA: 10 57 51.0720 (164.4628000d) Dec: +05 54 46.80 (5.91300d) Equinox: J2000			V=17.344175	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(10) J1057+0554	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ;		Pattern 1, Exps 1-1 i n Visit 10 (1)	43.984365 Secs (87.969 Secs)	
						NSAMP=15			[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		(10) J1057+0554	WFC3/UVIS, ACCUM, UVIS2	F438W	FLASH=3			1000 Secs (1000 Secs)	
								[==>]	[1]	
3		(10) J1057+0554	WFC3/UVIS, ACCUM, UVIS2	F814W	FLASH=8			300 Secs (300 Secs)		
								[==>]	[1]	



Proposal 14649 - Visit 11 - Opening a New Window into Galaxy Evolution Through the Lens of CO-detected Shocked Poststarburst G...

Fri Jul 29 18:17:52 GMT 2016

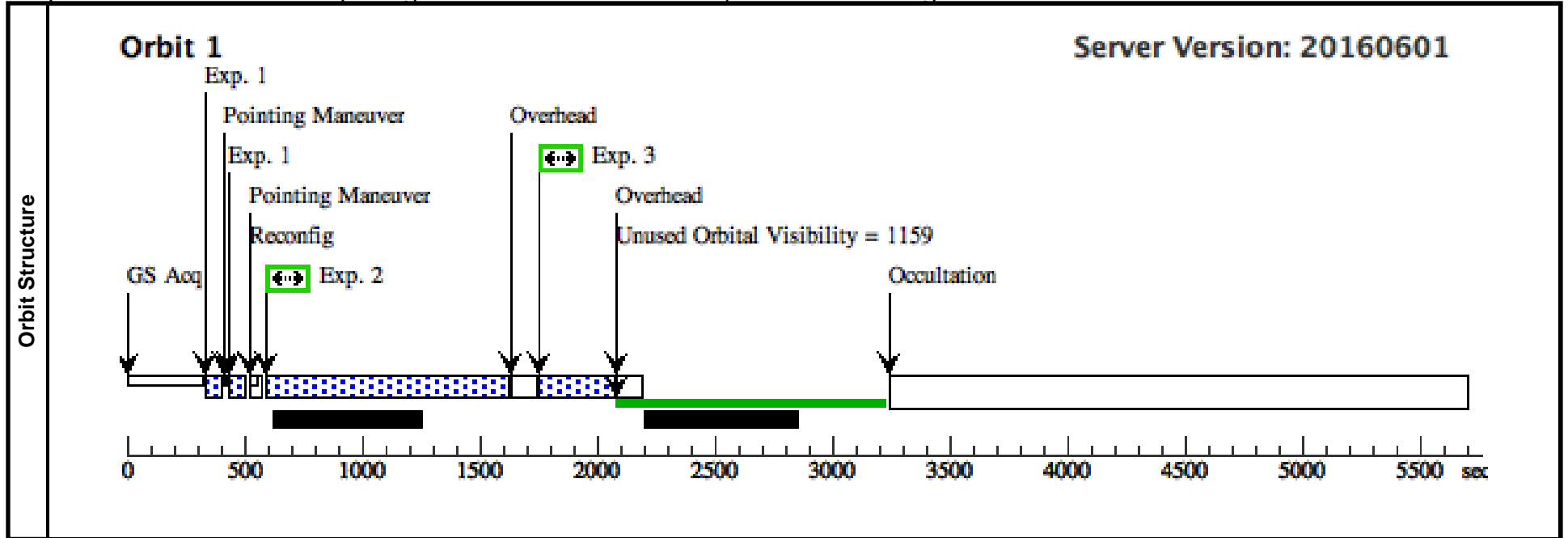
Visit	Proposal 14649, Visit 11 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false						
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes	Miscellaneous		
	(11)	J0859+1006	RA: 08 59 42.6240 (134.9276000d) Dec: +10 06 43.56 (10.11210d) Equinox: J2000				V=16.219677	Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(11) J0859+1006	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ;		Pattern 1, Exps 1-1 i n Visit 11 (1)	43.984365 Secs (87.969 Secs)	
						NSAMP=15			[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		(11) J0859+1006	WFC3/UVIS, ACCUM, UVIS2	F438W	FLASH=3			1000 Secs (1000 Secs)	
								[==>]	[1]	
3		(11) J0859+1006	WFC3/UVIS, ACCUM, UVIS2	F814W	FLASH=8			300 Secs (300 Secs)		
								[==>]	[1]	



Proposal 14649 - Visit 12 - Opening a New Window into Galaxy Evolution Through the Lens of CO-detected Shocked Poststarburst G...

Fri Jul 29 18:17:52 GMT 2016

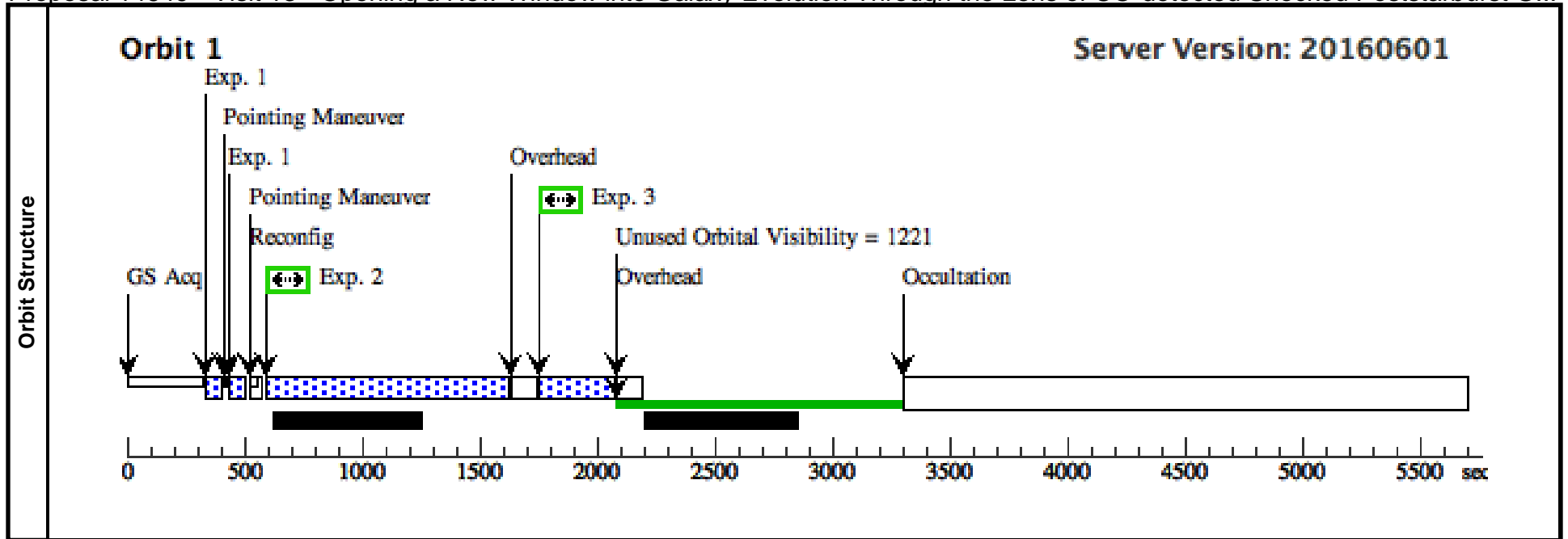
Visit	Proposal 14649, Visit 12 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false					(1)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(12)	J1645+3048	RA: 16 45 3.7920 (251.2658000d) Dec: +30 48 2.16 (30.80060d) Equinox: J2000			V=18.114071	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(12) J1645+3048	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=15		Pattern 1, Exps 1-1 i n Visit 12 (1)	43.984365 Secs (87.969 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		(12) J1645+3048	WFC3/UVIS, ACCUM, UVIS2	F438W	FLASH=3			1000 Secs (1000 Secs) [==>]	[1]
	3		(12) J1645+3048	WFC3/UVIS, ACCUM, UVIS2	F814W	FLASH=8			300 Secs (300 Secs) [==>]	[1]



Proposal 14649 - Visit 13 - Opening a New Window into Galaxy Evolution Through the Lens of CO-detected Shocked Poststarburst G...

Fri Jul 29 18:17:52 GMT 2016

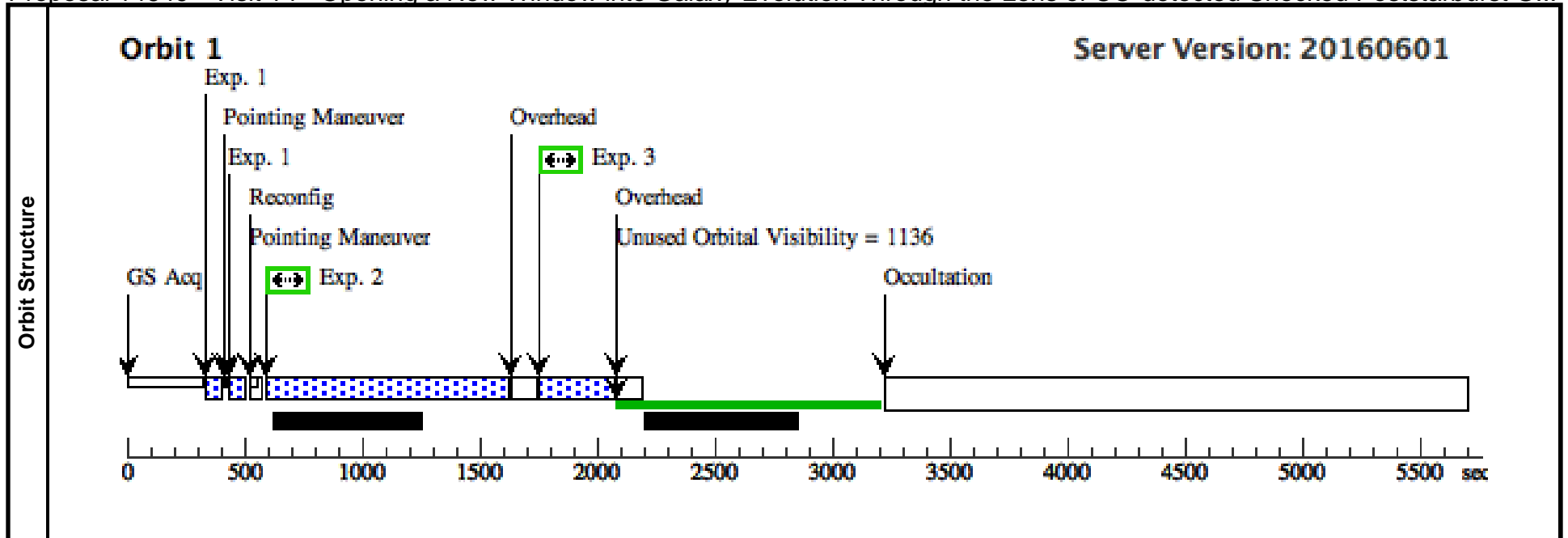
Visit	Proposal 14649, Visit 13 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false						
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(13)	J1339+4422	RA: 13 39 53.1840 (204.9716000d) Dec: +44 22 36.84 (44.37690d) Equinox: J2000				V=17.40624		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(13) J1339+4422	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ;		Pattern 1, Exps 1-1 i n Visit 13 (1)	43.984365 Secs (87.969 Secs)	
						NSAMP=15			[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		(13) J1339+4422	WFC3/UVIS, ACCUM, UVIS2	F438W	FLASH=3			1000 Secs (1000 Secs)	
								[==>]	[1]	
3		(13) J1339+4422	WFC3/UVIS, ACCUM, UVIS2	F814W	FLASH=8			300 Secs (300 Secs)		
								[==>]	[1]	



Proposal 14649 - Visit 14 - Opening a New Window into Galaxy Evolution Through the Lens of CO-detected Shocked Poststarburst G...

Fri Jul 29 18:17:52 GMT 2016

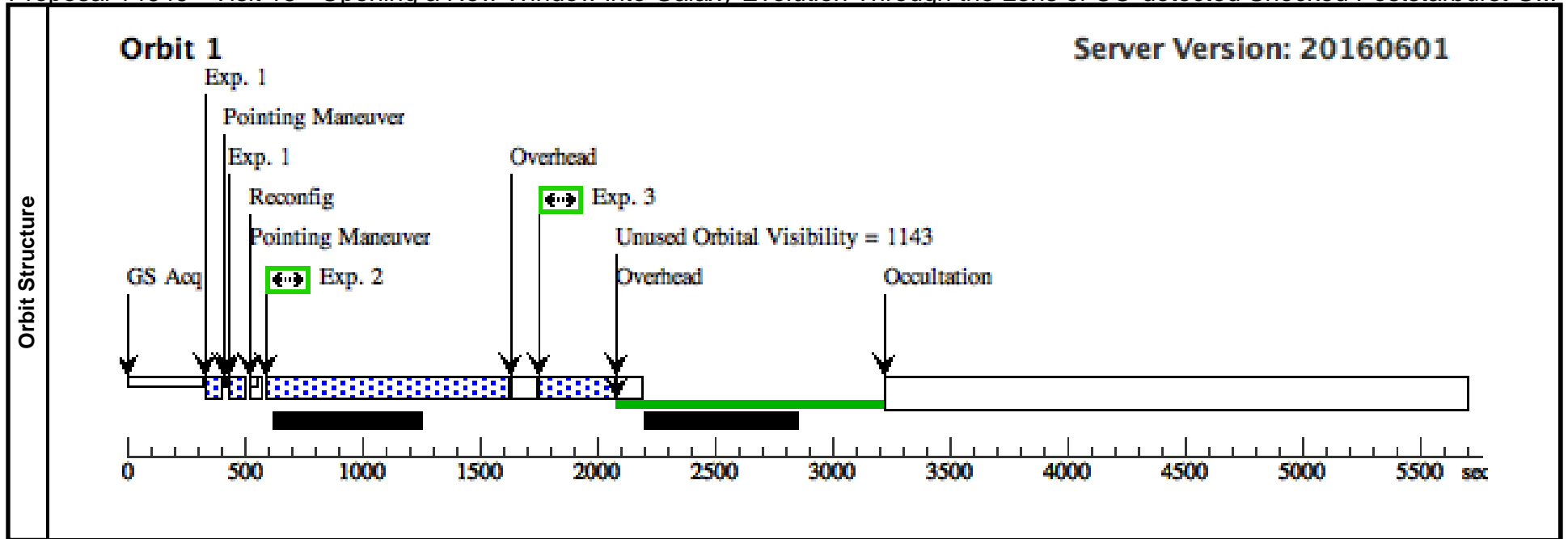
Visit	Proposal 14649, Visit 14 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern				Secondary Pattern			
(1)		Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false						(1)
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(14)	J0807+2006	RA: 08 07 24.4560 (121.8519000d) Dec: +20 06 8.28 (20.10230d) Equinox: J2000				V=17.584982		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(14) J0807+2006	(14) J0807+2006	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ;		Pattern 1, Exps 1-1 i n Visit 14 (1)	43.984365 Secs (87.969 Secs)	
						NSAMP=15			[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	(14) J0807+2006	(14) J0807+2006	WFC3/UVIS, ACCUM, UVIS2	F438W	FLASH=3			1000 Secs (1000 Secs)	
								[==>]	[1]	
3	(14) J0807+2006	(14) J0807+2006	WFC3/UVIS, ACCUM, UVIS2	F814W	FLASH=8			300 Secs (300 Secs)		
								[==>]	[1]	



Proposal 14649 - Visit 15 - Opening a New Window into Galaxy Evolution Through the Lens of CO-detected Shocked Poststarburst G...

Fri Jul 29 18:17:52 GMT 2016

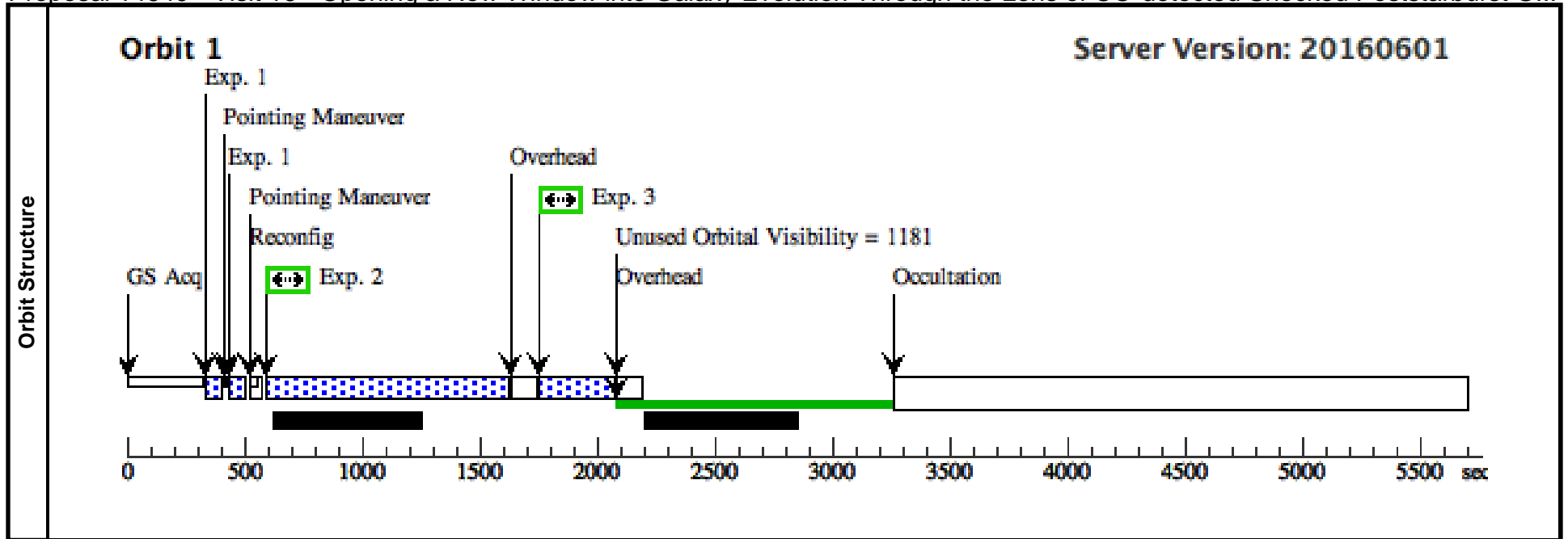
Visit	Proposal 14649, Visit 15 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(15)	J1555+2955	RA: 15 55 24.9360 (238.8539000d) Dec: +29 55 50.88 (29.93080d) Equinox: J2000			V=18.122763	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(15) J1555+2955	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ;		Pattern 1, Exps 1-1 i n Visit 15 (1)	43.984365 Secs (87.969 Secs)	
						NSAMP=15			[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		(15) J1555+2955	WFC3/UVIS, ACCUM, UVIS2	F438W	FLASH=3			1000 Secs (1000 Secs)	
								[==>]	[1]	
3		(15) J1555+2955	WFC3/UVIS, ACCUM, UVIS2	F814W		FLASH=8			300 Secs (300 Secs)	
								[==>]	[1]	



Proposal 14649 - Visit 16 - Opening a New Window into Galaxy Evolution Through the Lens of CO-detected Shocked Poststarburst G...

Fri Jul 29 18:17:52 GMT 2016

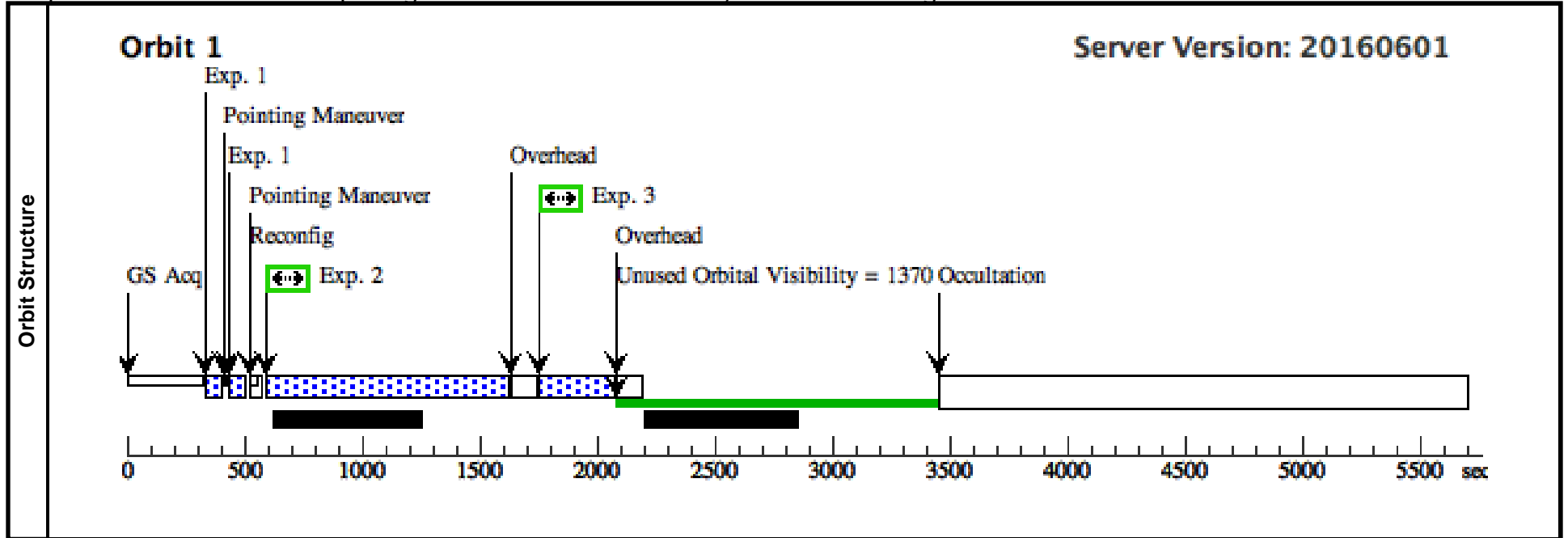
Visit	Proposal 14649, Visit 16 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(16)	J0914+3753	RA: 09 14 7.2240 (138.5301000d) Dec: +37 53 9.96 (37.88610d) Equinox: J2000			V=17.17975	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(16) J0914+3753	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ;		Pattern 1, Exps 1-1 i n Visit 16 (1)	43.984365 Secs (87.969 Secs)	
						NSAMP=15			[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		(16) J0914+3753	WFC3/UVIS, ACCUM, UVIS2	F438W	FLASH=3			1000 Secs (1000 Secs)	
								[==>]	[1]	
3		(16) J0914+3753	WFC3/UVIS, ACCUM, UVIS2	F814W	FLASH=8			300 Secs (300 Secs)		
								[==>]	[1]	



Proposal 14649 - Visit 17 - Opening a New Window into Galaxy Evolution Through the Lens of CO-detected Shocked Poststarburst G...

Fri Jul 29 18:17:52 GMT 2016

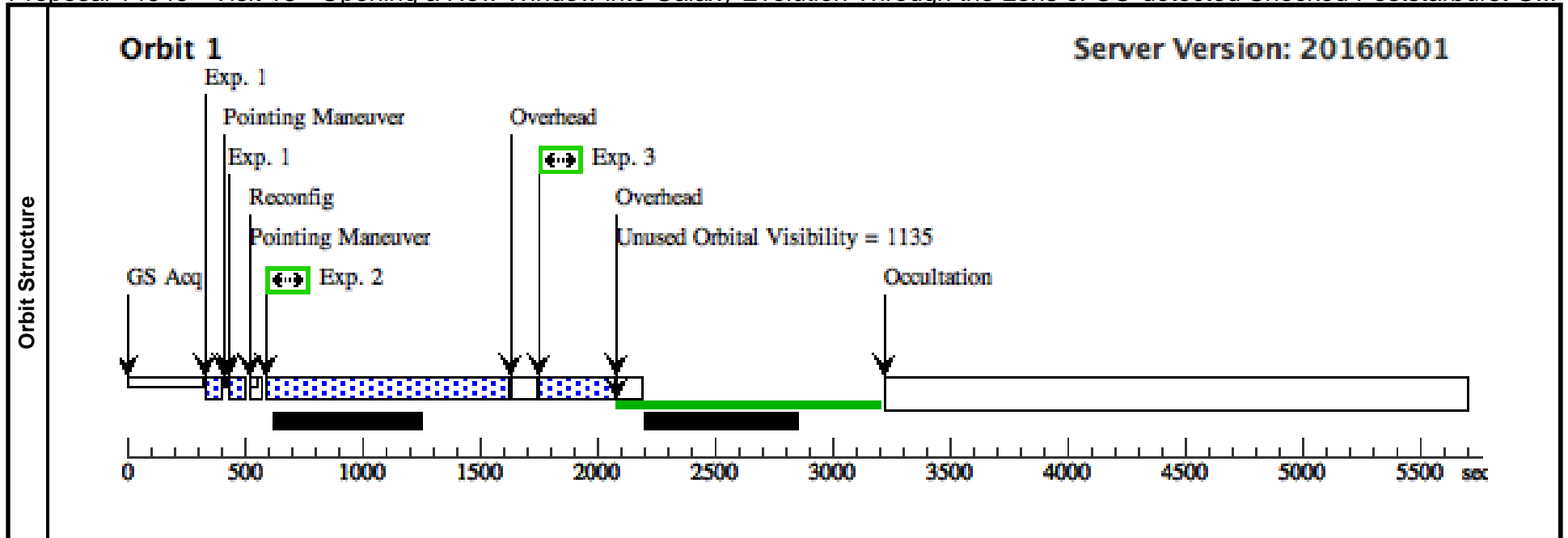
Visit	Proposal 14649, Visit 17 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false						(1)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(17)	J1028+5736	RA: 10 28 25.8000 (157.1075000d) Dec: +57 36 9.00 (57.60250d) Equinox: J2000			V=18.09683	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(17) J1028+5736	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ;		Pattern 1, Exps 1-1 i n Visit 17 (1)	43.984365 Secs (87.969 Secs)	
						NSAMP=15			[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		(17) J1028+5736	WFC3/UVIS, ACCUM, UVIS2	F438W	FLASH=3			1000 Secs (1000 Secs)	
								[==>]	[1]	
3		(17) J1028+5736	WFC3/UVIS, ACCUM, UVIS2	F814W	FLASH=8			300 Secs (300 Secs)		
								[==>]	[1]	



Proposal 14649 - Visit 18 - Opening a New Window into Galaxy Evolution Through the Lens of CO-detected Shocked Poststarburst G...

Fri Jul 29 18:17:52 GMT 2016

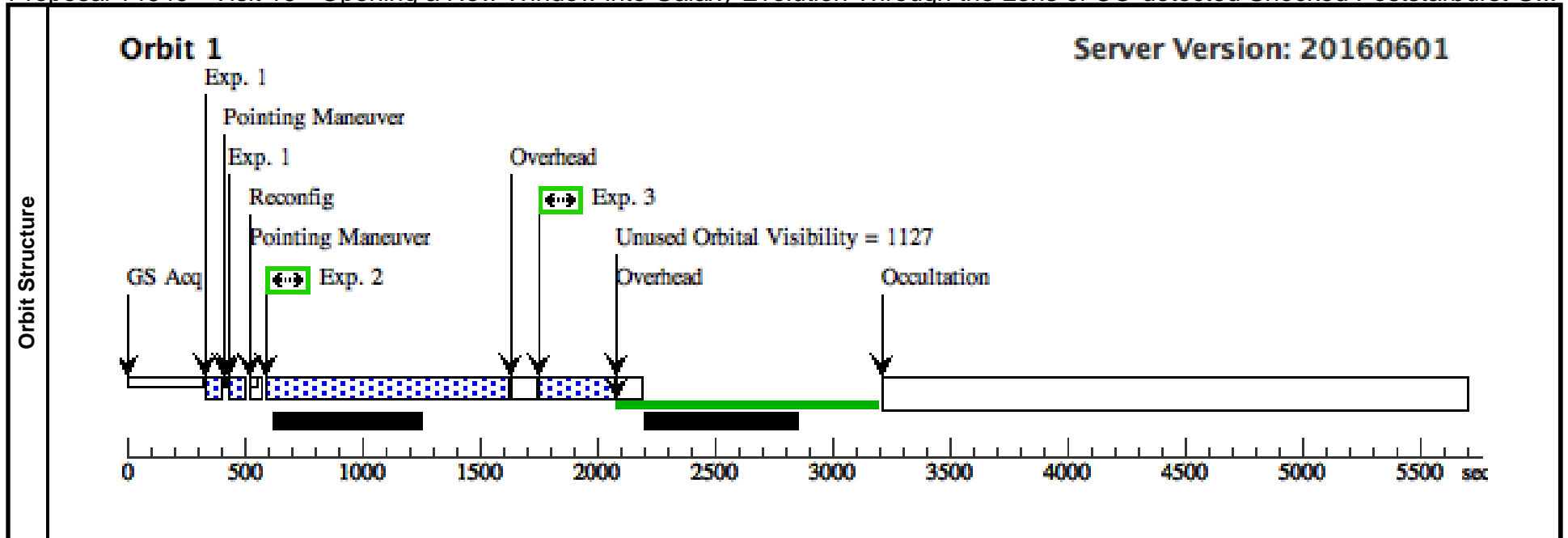
Visit	Proposal 14649, Visit 18 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)										
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures		
		(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false							(1)
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(18)	J1216+1904	RA: 12 16 22.2720 (184.0928000d) Dec: +19 04 42.24 (19.07840d) Equinox: J2000				V=16.110331		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(18) J1216+1904	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID		Pattern 1, Exps 1-1 i	43.984365 Secs (87.969 Secs)		
								n Visit 18 (1)	[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	2		(18) J1216+1904	WFC3/UVIS, ACCUM, UVIS2	F438W	FLASH=3			1000 Secs (1000 Secs)		
									[==>]		[1]
	3		(18) J1216+1904	WFC3/UVIS, ACCUM, UVIS2	F814W	FLASH=8			300 Secs (300 Secs)		
									[==>]		[1]



Proposal 14649 - Visit 19 - Opening a New Window into Galaxy Evolution Through the Lens of CO-detected Shocked Poststarburst G...

Fri Jul 29 18:17:52 GMT 2016

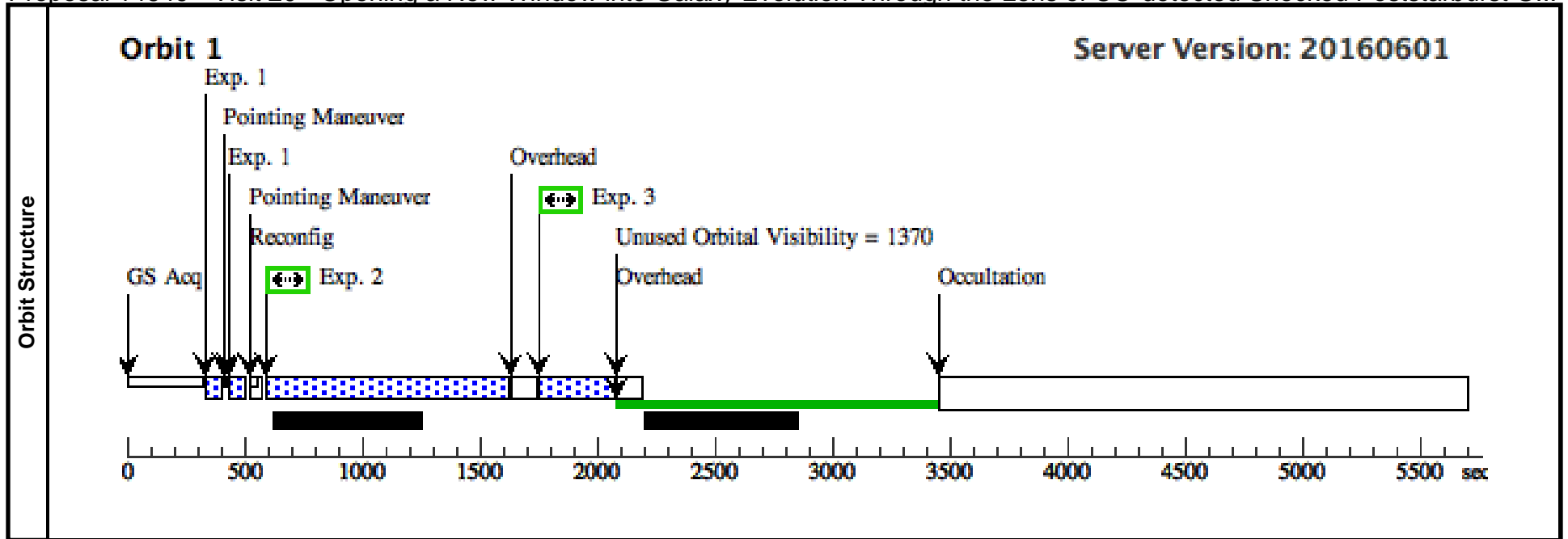
Visit	Proposal 14649, Visit 19 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false						
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(19)	J0925+0623	RA: 09 25 18.3120 (141.3263000d) Dec: +06 23 34.08 (6.39280d) Equinox: J2000				V=16.476883		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(19) J0925+0623	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ;		Pattern 1, Exps 1-1 i n Visit 19 (1)	43.984365 Secs (87.969 Secs)	
									[==>(Pattern 1)]	[1]
									[==>(Pattern 2)]	
2		(19) J0925+0623	WFC3/UVIS, ACCUM, UVIS2	F438W	FLASH=3			1000 Secs (1000 Secs)		
								[==>]	[1]	
3		(19) J0925+0623	WFC3/UVIS, ACCUM, UVIS2	F814W	FLASH=8			300 Secs (300 Secs)		
								[==>]	[1]	



Proposal 14649 - Visit 20 - Opening a New Window into Galaxy Evolution Through the Lens of CO-detected Shocked Poststarburst G...

Fri Jul 29 18:17:52 GMT 2016

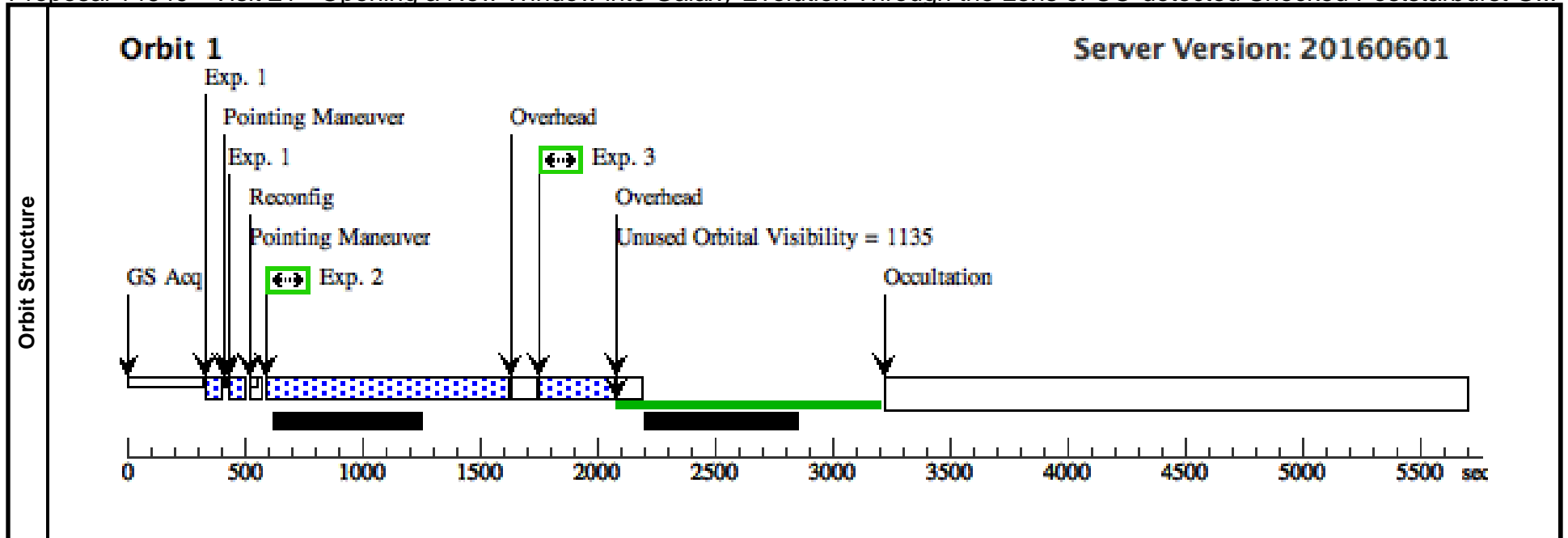
Visit	Proposal 14649, Visit 20 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(20)	J1248+5514	RA: 12 48 22.1760 (192.0924000d) Dec: +55 14 52.08 (55.24780d) Equinox: J2000			V=17.918873	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(20) J1248+5514	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ;		Pattern 1, Exps 1-1 i n Visit 20 (1)	43.984365 Secs (87.969 Secs)	
						NSAMP=15			[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		(20) J1248+5514	WFC3/UVIS, ACCUM, UVIS2	F438W	FLASH=3			1000 Secs (1000 Secs)	
								[==>]	[1]	
3		(20) J1248+5514	WFC3/UVIS, ACCUM, UVIS2	F814W		FLASH=8			300 Secs (300 Secs)	
								[==>]	[1]	



Proposal 14649 - Visit 21 - Opening a New Window into Galaxy Evolution Through the Lens of CO-detected Shocked Poststarburst G...

Fri Jul 29 18:17:52 GMT 2016

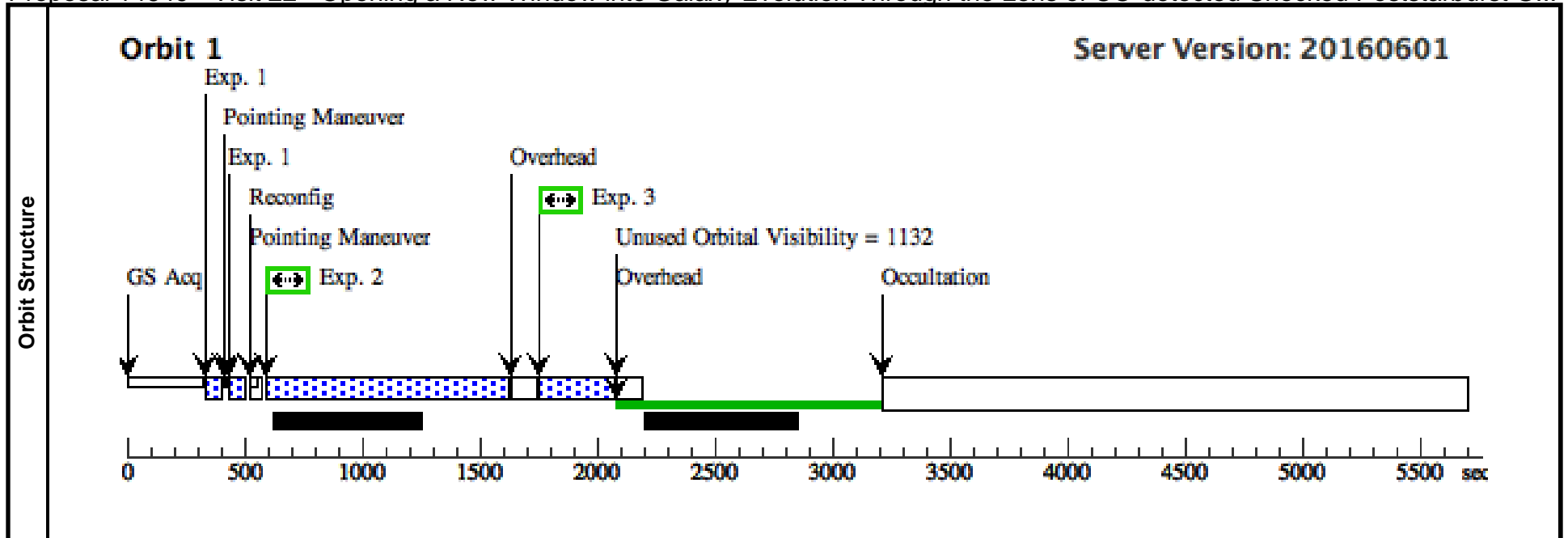
Visit	Proposal 14649, Visit 21 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern				Secondary Pattern			
(1)		Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false							(1)
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes	Miscellaneous		
	(21)	J0938+1819	RA: 09 38 19.8720 (144.5828000d) Dec: +18 19 52.68 (18.33130d) Equinox: J2000				V=17.730995	Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(21) J0938+1819	(21) J0938+1819	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ;		Pattern 1, Exps 1-1 i n Visit 21 (1)	43.984365 Secs (87.969 Secs)	
						NSAMP=15			[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	(21) J0938+1819	(21) J0938+1819	WFC3/UVIS, ACCUM, UVIS2	F438W	FLASH=3			1000 Secs (1000 Secs)	
								[==>]	[1]	
3	(21) J0938+1819	(21) J0938+1819	WFC3/UVIS, ACCUM, UVIS2	F814W	FLASH=8			300 Secs (300 Secs)		
								[==>]	[1]	



Proposal 14649 - Visit 22 - Opening a New Window into Galaxy Evolution Through the Lens of CO-detected Shocked Poststarburst G...

Fri Jul 29 18:17:52 GMT 2016

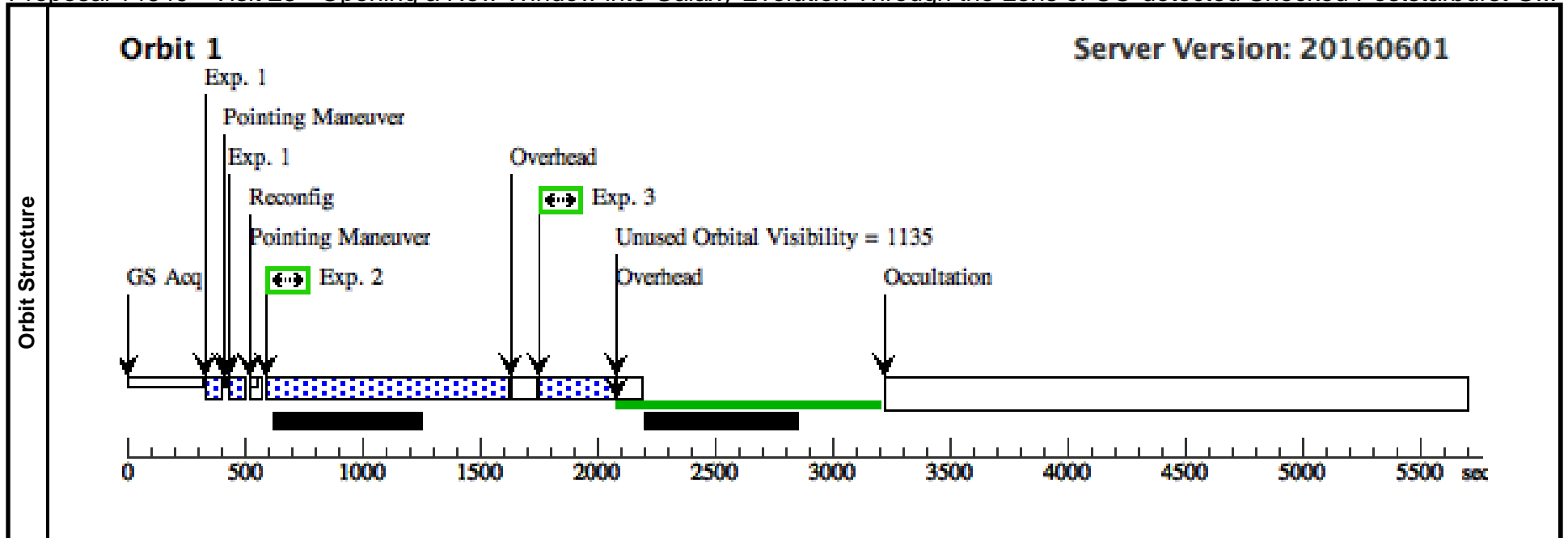
Visit	Proposal 14649, Visit 22 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(22)	J1409+1016	RA: 14 09 52.5360 (212.4689000d) Dec: +10 16 46.92 (10.27970d) Equinox: J2000			V=17.027462	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(22) J1409+1016	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ;		Pattern 1, Exps 1-1 i n Visit 22 (1)	43.984365 Secs (87.969 Secs)	
						NSAMP=15			[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		(22) J1409+1016	WFC3/UVIS, ACCUM, UVIS2	F438W	FLASH=3			1000 Secs (1000 Secs)	
								[==>]	[1]	
3		(22) J1409+1016	WFC3/UVIS, ACCUM, UVIS2	F814W	FLASH=8			300 Secs (300 Secs)		
								[==>]	[1]	



Proposal 14649 - Visit 23 - Opening a New Window into Galaxy Evolution Through the Lens of CO-detected Shocked Poststarburst G...

Fri Jul 29 18:17:52 GMT 2016

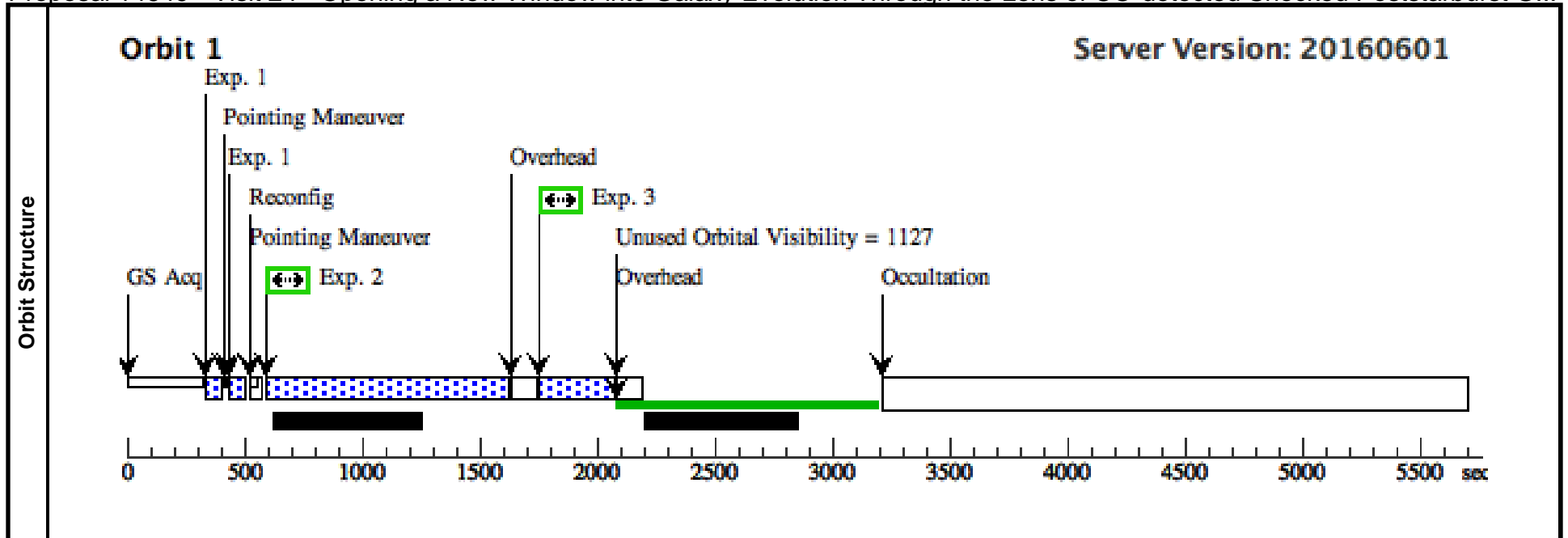
Visit	Proposal 14649, Visit 23 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)										
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures		
		(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false							(1)
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(23)	J1126+1913	RA: 11 26 19.4400 (171.5810000d) Dec: +19 13 29.28 (19.22480d) Equinox: J2000				V=17.674541			Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(23) J1126+1913	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ;		Pattern 1, Exps 1-1 i n Visit 23 (1)	43.984365 Secs (87.969 Secs)		
						NSAMP=15			[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
2		(23) J1126+1913	WFC3/UVIS, ACCUM, UVIS2	F438W	FLASH=3			1000 Secs (1000 Secs)			
								[==>]		[1]	
3		(23) J1126+1913	WFC3/UVIS, ACCUM, UVIS2	F814W	FLASH=8			300 Secs (300 Secs)			
								[==>]		[1]	



Proposal 14649 - Visit 24 - Opening a New Window into Galaxy Evolution Through the Lens of CO-detected Shocked Poststarburst G...

Fri Jul 29 18:17:52 GMT 2016

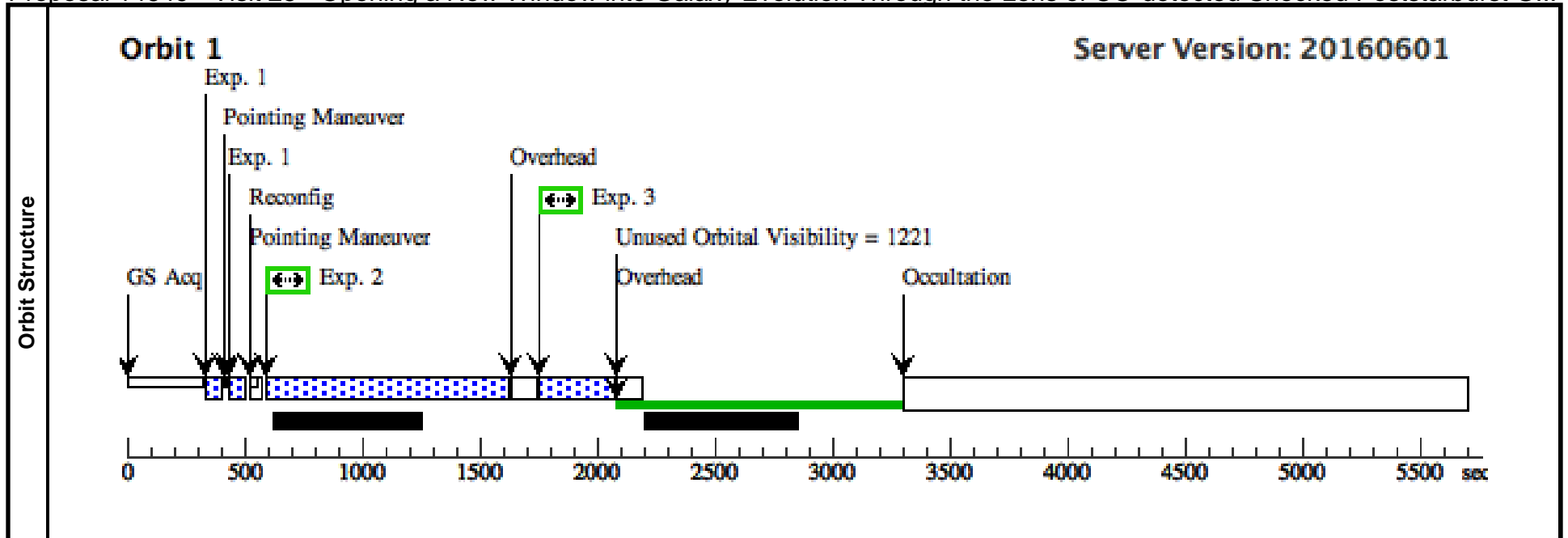
Visit	Proposal 14649, Visit 24 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes	Miscellaneous		
	(24)	J0928+0741	RA: 09 28 19.5360 (142.0814000d) Dec: +07 41 58.56 (7.69960d) Equinox: J2000				V=17.132259	Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(24) J0928+0741	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ;		Pattern 1, Exps 1-1 i n Visit 24 (1)	43.984365 Secs (87.969 Secs)	
						NSAMP=15			[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		(24) J0928+0741	WFC3/UVIS, ACCUM, UVIS2	F438W	FLASH=3			1000 Secs (1000 Secs)	
								[==>]	[1]	
3		(24) J0928+0741	WFC3/UVIS, ACCUM, UVIS2	F814W	FLASH=8			300 Secs (300 Secs)		
								[==>]	[1]	



Proposal 14649 - Visit 25 - Opening a New Window into Galaxy Evolution Through the Lens of CO-detected Shocked Poststarburst G...

Fri Jul 29 18:17:52 GMT 2016

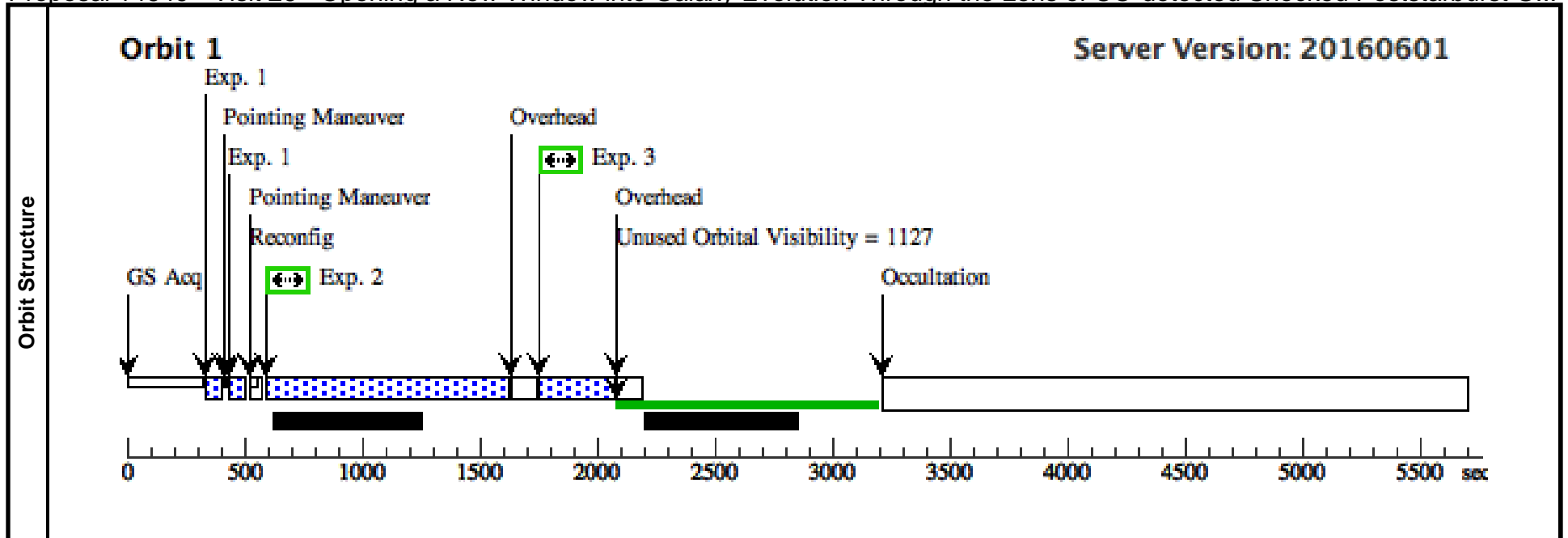
Visit	Proposal 14649, Visit 25 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false						(1)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(25)	J1026+4340	RA: 10 26 53.3520 (156.7223000d) Dec: +43 40 8.40 (43.66900d) Equinox: J2000			V=17.776241	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(25) J1026+4340	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ;		Pattern 1, Exps 1-1 i n Visit 25 (1)	43.984365 Secs (87.969 Secs)	
						NSAMP=15			[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		(25) J1026+4340	WFC3/UVIS, ACCUM, UVIS2	F438W	FLASH=3			1000 Secs (1000 Secs)	
								[==>]	[1]	
3		(25) J1026+4340	WFC3/UVIS, ACCUM, UVIS2	F814W	FLASH=8			300 Secs (300 Secs)		
								[==>]	[1]	



Proposal 14649 - Visit 26 - Opening a New Window into Galaxy Evolution Through the Lens of CO-detected Shocked Poststarburst G...

Fri Jul 29 18:17:52 GMT 2016

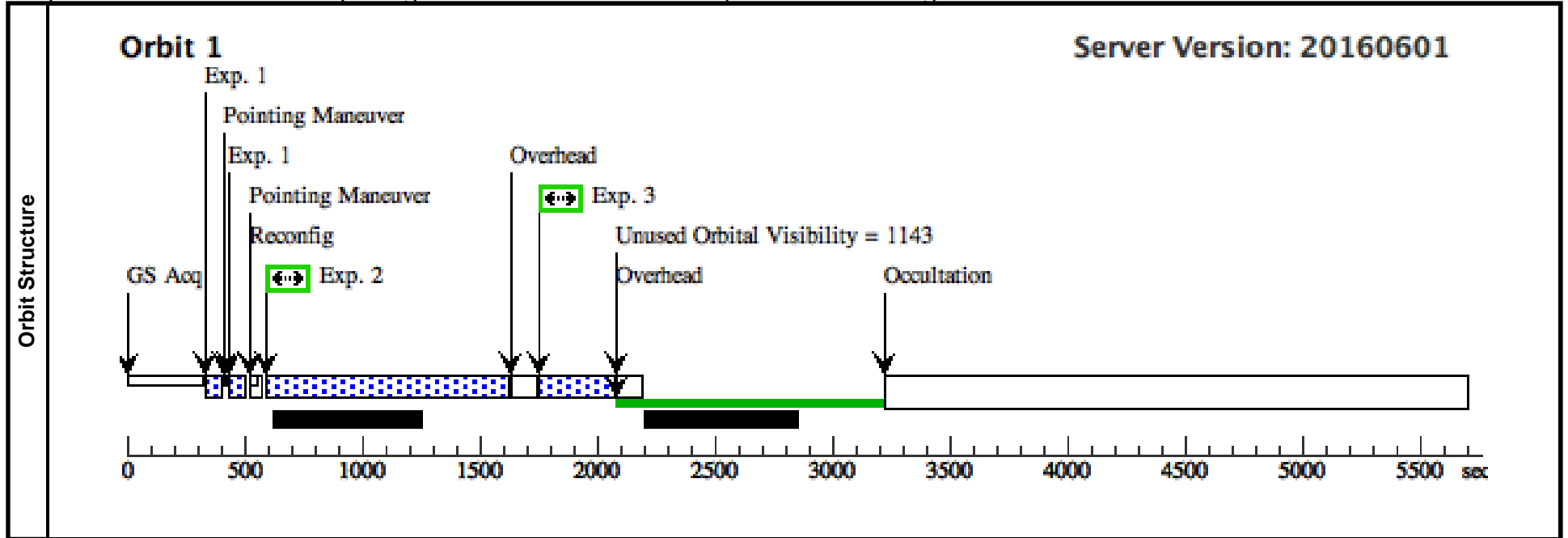
Visit	Proposal 14649, Visit 26 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false					(1)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(26)	J1529+0601	RA: 15 29 8.3760 (232.2849000d) Dec: +06 01 19.56 (6.02210d) Equinox: J2000			V=18.442799	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(26) J1529+0601	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=15		Pattern 1, Exps 1-1 i n Visit 26 (1)	43.984365 Secs (87.969 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		(26) J1529+0601	WFC3/UVIS, ACCUM, UVIS2	F438W	FLASH=3			1000 Secs (1000 Secs) [==>]	[1]
	3		(26) J1529+0601	WFC3/UVIS, ACCUM, UVIS2	F814W	FLASH=8			300 Secs (300 Secs) [==>]	[1]



Proposal 14649 - Visit 27 - Opening a New Window into Galaxy Evolution Through the Lens of CO-detected Shocked Poststarburst G...

Fri Jul 29 18:17:52 GMT 2016

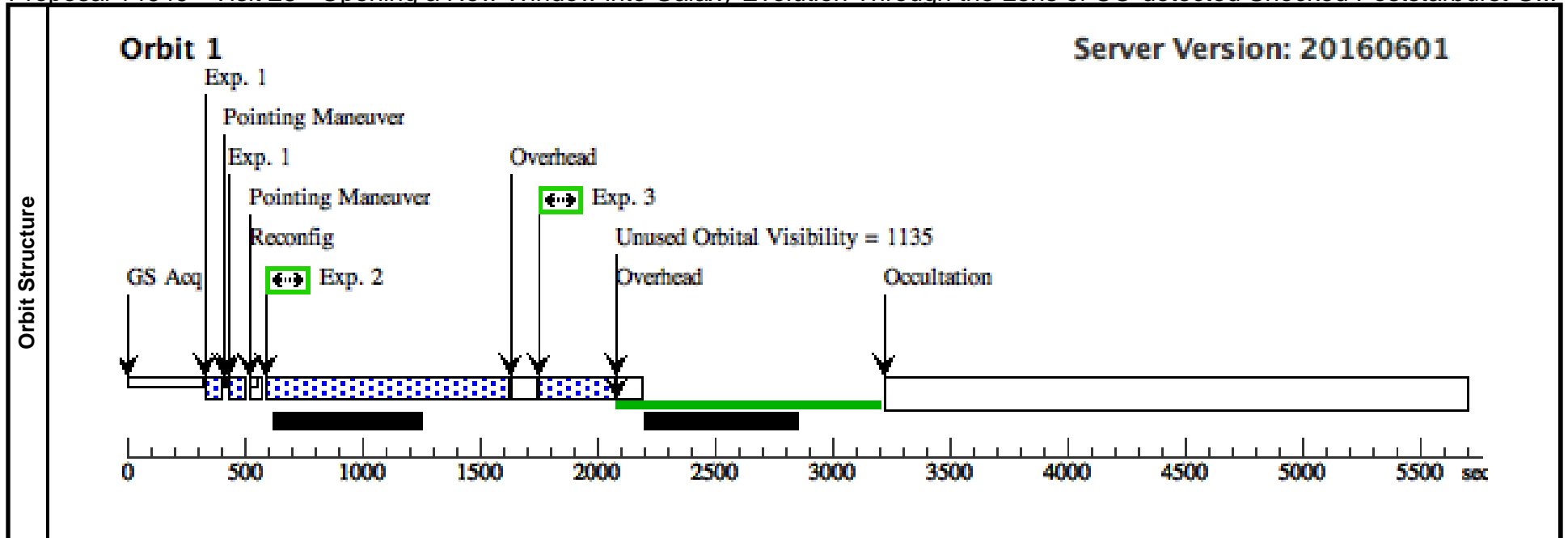
Visit	Proposal 14649, Visit 27 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(27)	J1211+2936	RA: 12 11 38.2320 (182.9093000d) Dec: +29 36 16.56 (29.60460d) Equinox: J2000			V=18.450624	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(27) J1211+2936	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ;		Pattern 1, Exps 1-1 i n Visit 27 (1)	43.984365 Secs (87.969 Secs)	
						NSAMP=15			[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		(27) J1211+2936	WFC3/UVIS, ACCUM, UVIS2	F438W	FLASH=3			1000 Secs (1000 Secs)	
								[==>]	[1]	
3		(27) J1211+2936	WFC3/UVIS, ACCUM, UVIS2	F814W		FLASH=8			300 Secs (300 Secs)	
								[==>]	[1]	



Proposal 14649 - Visit 28 - Opening a New Window into Galaxy Evolution Through the Lens of CO-detected Shocked Poststarburst G...

Fri Jul 29 18:17:52 GMT 2016

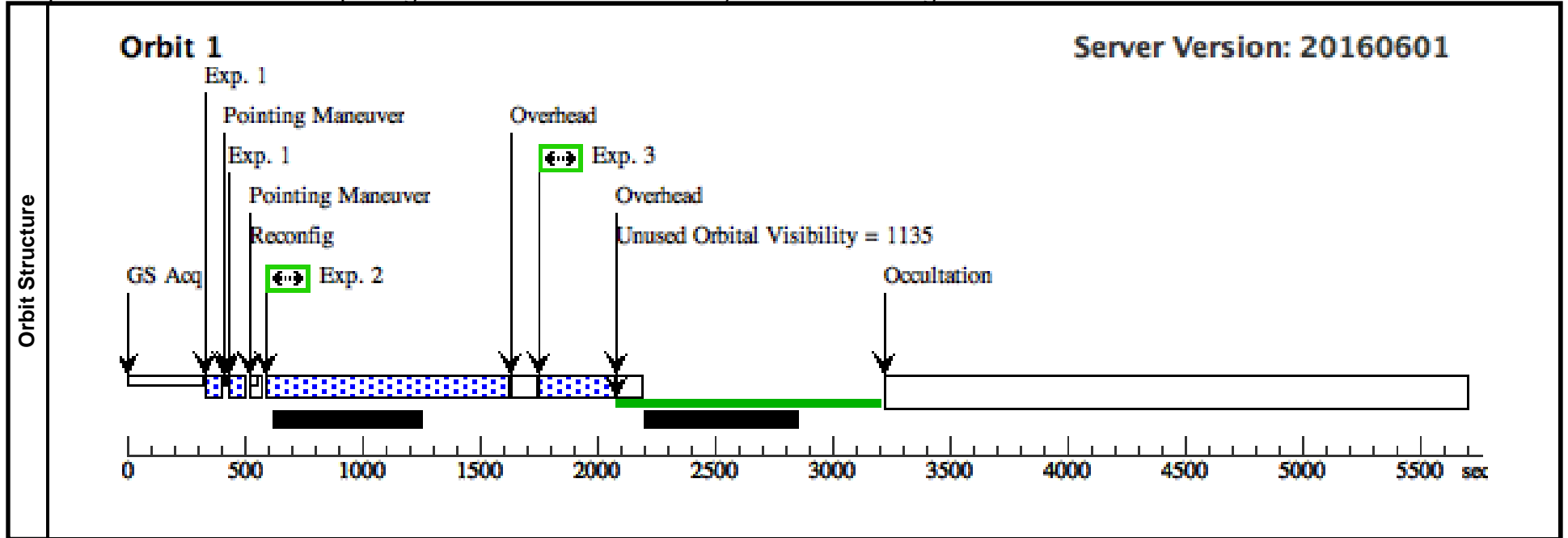
Visit	Proposal 14649, Visit 28 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)										
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures		
		(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false							(1)
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(28)	J1018+1536	RA: 10 18 23.9760 (154.5999000d) Dec: +15 36 30.96 (15.60860d) Equinox: J2000				V=17.99559			Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(28) J1018+1536	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ;		Pattern 1, Exps 1-1 i n Visit 28 (1)	43.984365 Secs (87.969 Secs)		
						NSAMP=15			[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
2		(28) J1018+1536	WFC3/UVIS, ACCUM, UVIS2	F438W		FLASH=3			1000 Secs (1000 Secs)		
									[==>]		[1]
3		(28) J1018+1536	WFC3/UVIS, ACCUM, UVIS2	F814W		FLASH=8			300 Secs (300 Secs)		
									[==>]		[1]



Proposal 14649 - Visit 29 - Opening a New Window into Galaxy Evolution Through the Lens of CO-detected Shocked Poststarburst G...

Fri Jul 29 18:17:52 GMT 2016

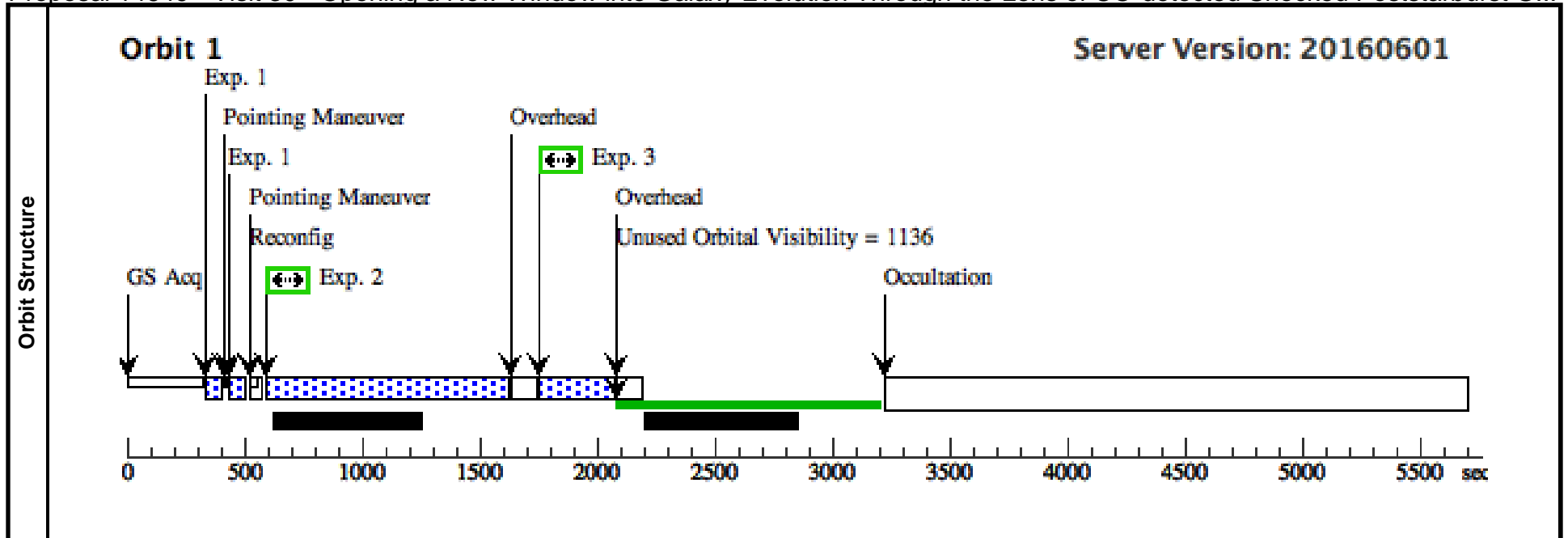
Visit	Proposal 14649, Visit 29 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)										
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures		
		(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false							(1)
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(29)	J0816+1936	RA: 08 16 3.1440 (124.0131000d) Dec: +19 36 43.20 (19.61200d) Equinox: J2000				V=17.720158			Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(29) J0816+1936	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ;		Pattern 1, Exps 1-1 i n Visit 29 (1)	43.984365 Secs (87.969 Secs)		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
2		(29) J0816+1936	WFC3/UVIS, ACCUM, UVIS2	F438W	FLASH=3				1000 Secs (1000 Secs)		
									[==>]		[1]
3		(29) J0816+1936	WFC3/UVIS, ACCUM, UVIS2	F814W	FLASH=8				300 Secs (300 Secs)		
									[==>]		[1]



Proposal 14649 - Visit 30 - Opening a New Window into Galaxy Evolution Through the Lens of CO-detected Shocked Poststarburst G...

Fri Jul 29 18:17:53 GMT 2016

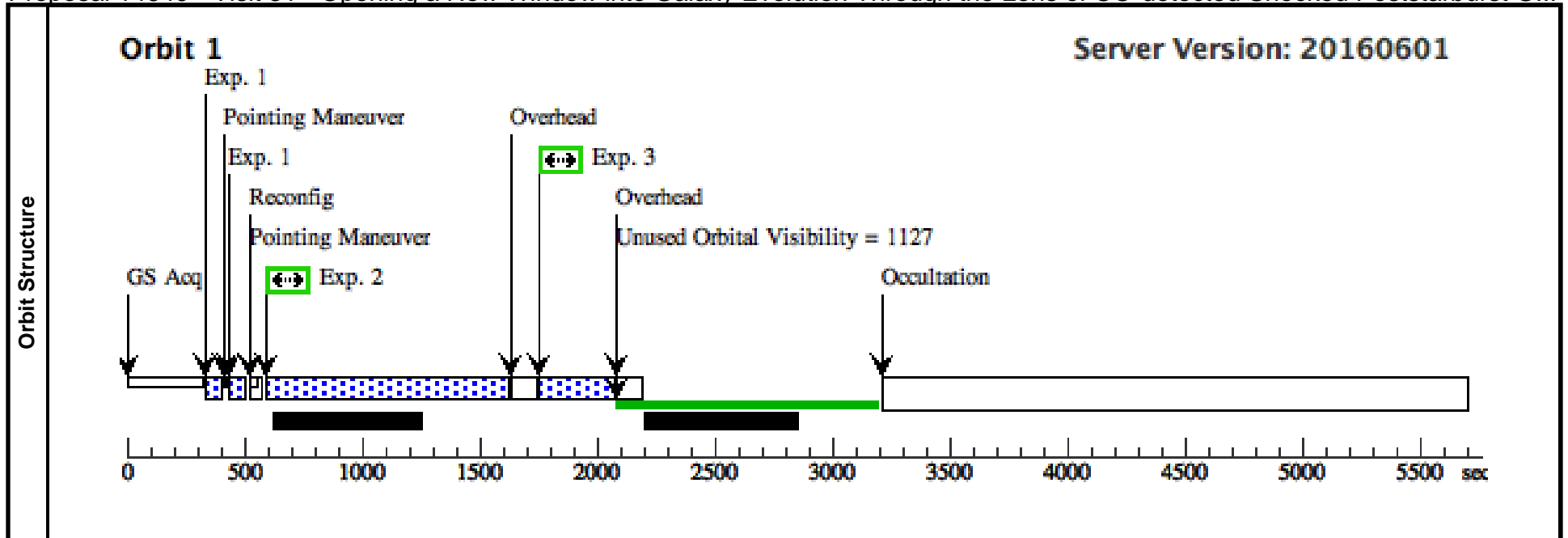
Visit	Proposal 14649, Visit 30 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false					(1)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(30)	J0845+2006	RA: 08 45 45.3840 (131.4391000d) Dec: +20 06 10.44 (20.10290d) Equinox: J2000			V=18.518799	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(30) J0845+2006	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=15		Pattern 1, Exps 1-1 i n Visit 30 (1)	43.984365 Secs (87.969 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		(30) J0845+2006	WFC3/UVIS, ACCUM, UVIS2	F438W	FLASH=3			1000 Secs (1000 Secs) [==>]	[1]
	3		(30) J0845+2006	WFC3/UVIS, ACCUM, UVIS2	F814W	FLASH=8			300 Secs (300 Secs) [==>]	[1]



Proposal 14649 - Visit 31 - Opening a New Window into Galaxy Evolution Through the Lens of CO-detected Shocked Poststarburst G...

Fri Jul 29 18:17:53 GMT 2016

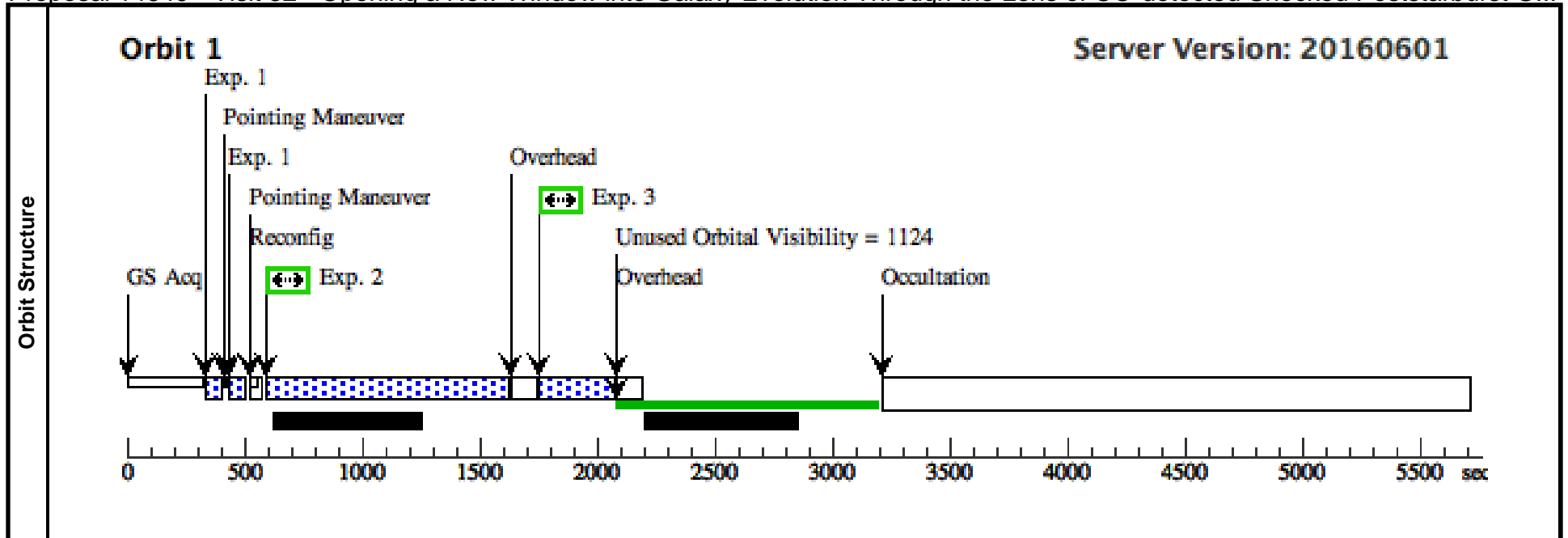
Visit	Proposal 14649, Visit 31 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(31)	J1529+0913	RA: 15 29 26.6400 (232.3610000d) Dec: +09 13 25.32 (9.22370d) Equinox: J2000			V=18.305395	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(31) J1529+0913	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ;		Pattern 1, Exps 1-1 i n Visit 31 (1)	43.984365 Secs (87.969 Secs)	
						NSAMP=15			[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		(31) J1529+0913	WFC3/UVIS, ACCUM, UVIS2	F438W	FLASH=3			1000 Secs (1000 Secs)	
								[==>]	[1]	
3		(31) J1529+0913	WFC3/UVIS, ACCUM, UVIS2	F814W	FLASH=8			300 Secs (300 Secs)		
								[==>]	[1]	



Proposal 14649 - Visit 32 - Opening a New Window into Galaxy Evolution Through the Lens of CO-detected Shocked Poststarburst G...

Fri Jul 29 18:17:53 GMT 2016

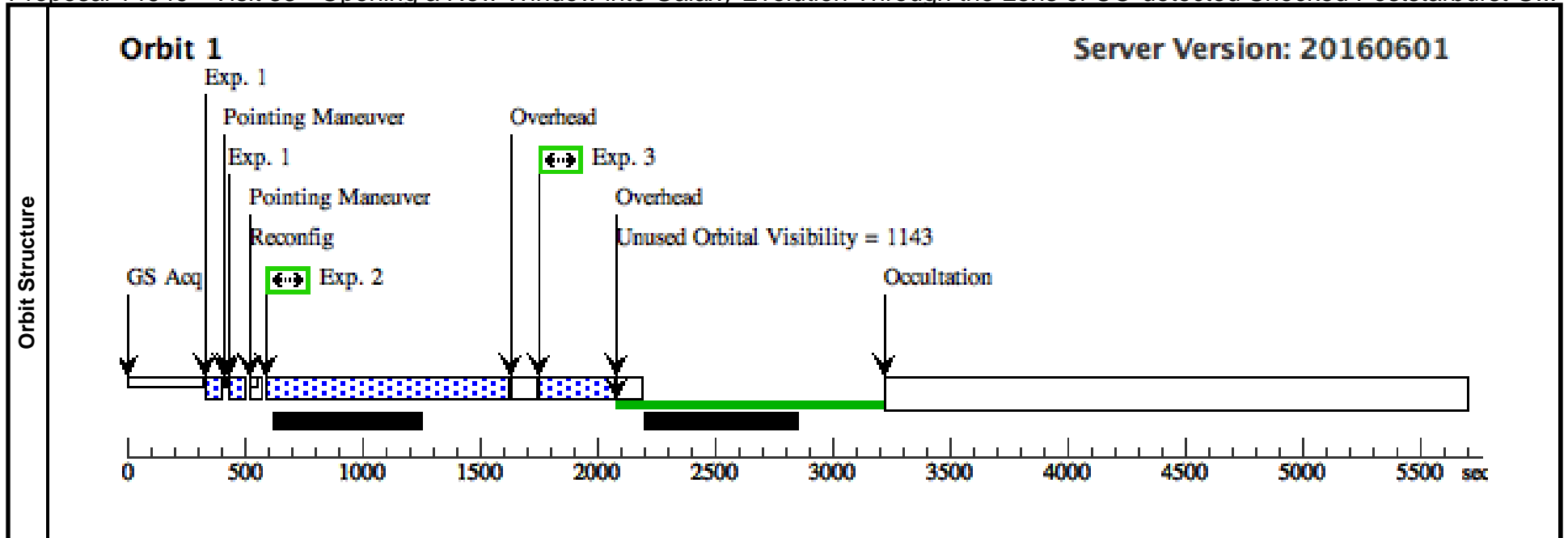
Visit	Proposal 14649, Visit 32 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false						(1)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(32)	J0853+0310	RA: 08 53 56.8080 (133.4867000d) Dec: +03 10 33.60 (3.17600d) Equinox: J2000			V=18.604561	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(32) J0853+0310	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ;		Pattern 1, Exps 1-1 i n Visit 32 (1)	43.984365 Secs (87.969 Secs)	
						NSAMP=15			[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		(32) J0853+0310	WFC3/UVIS, ACCUM, UVIS2	F438W	FLASH=3			1000 Secs (1000 Secs)	
								[==>]	[1]	
3		(32) J0853+0310	WFC3/UVIS, ACCUM, UVIS2	F814W	FLASH=8			300 Secs (300 Secs)		
								[==>]	[1]	



Proposal 14649 - Visit 33 - Opening a New Window into Galaxy Evolution Through the Lens of CO-detected Shocked Poststarburst G...

Fri Jul 29 18:17:53 GMT 2016

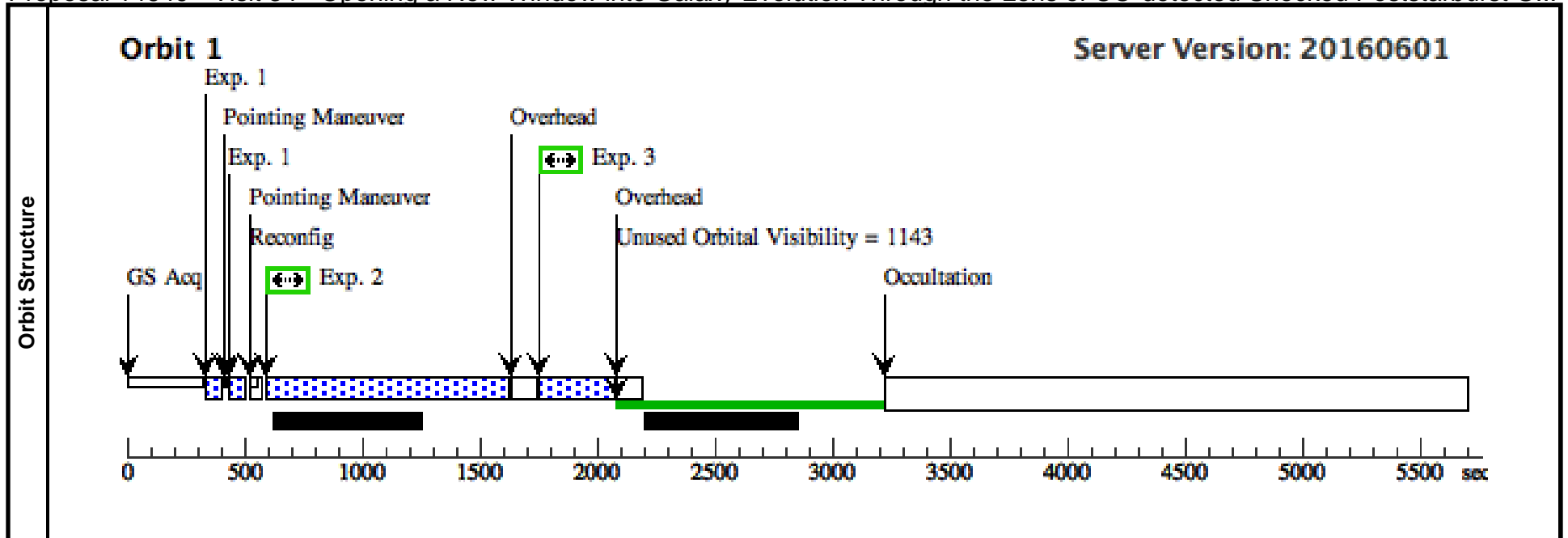
Visit	Proposal 14649, Visit 33 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false					(1)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(33)	J1356+2816	RA: 13 56 43.4640 (209.1811000d) Dec: +28 16 21.36 (28.27260d) Equinox: J2000			V=17.784409	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(33) J1356+2816	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ;		Pattern 1, Exps 1-1 i n Visit 33 (1)	43.984365 Secs (87.969 Secs)	
						NSAMP=15			[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		(33) J1356+2816	WFC3/UVIS, ACCUM, UVIS2	F438W	FLASH=3			1000 Secs (1000 Secs)	
								[==>]	[1]	
3		(33) J1356+2816	WFC3/UVIS, ACCUM, UVIS2	F814W		FLASH=8			300 Secs (300 Secs)	
								[==>]	[1]	



Proposal 14649 - Visit 34 - Opening a New Window into Galaxy Evolution Through the Lens of CO-detected Shocked Poststarburst G...

Fri Jul 29 18:17:53 GMT 2016

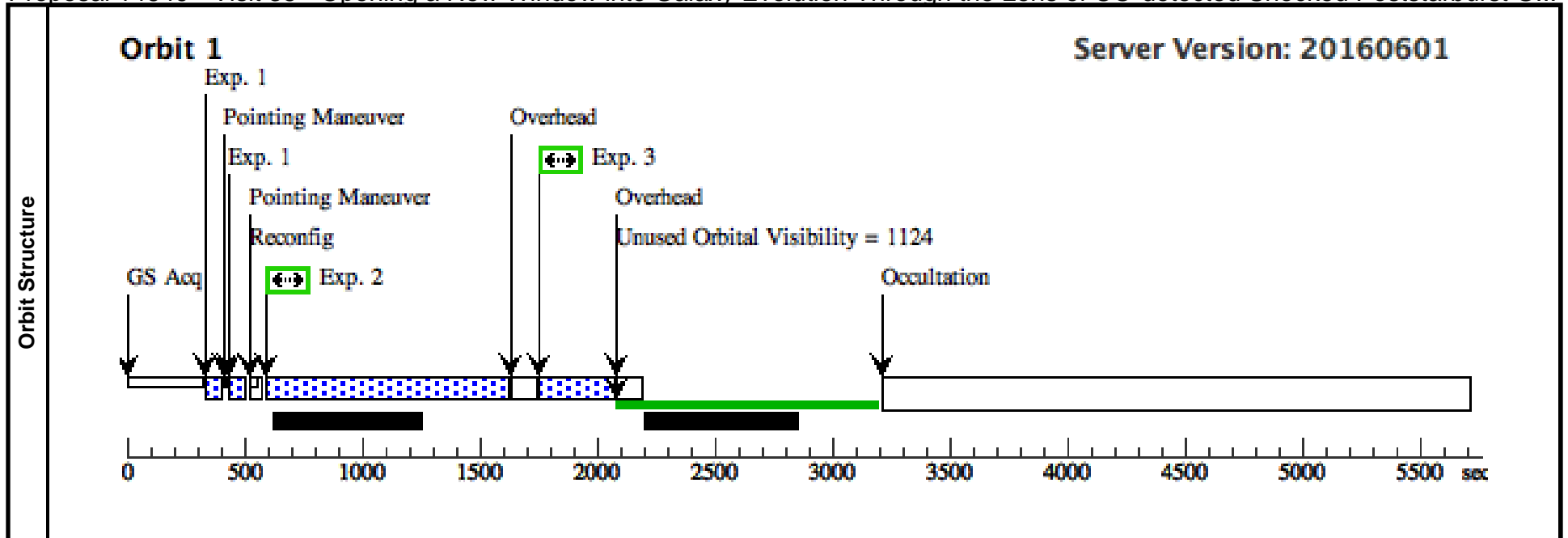
Visit	Proposal 14649, Visit 34 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(34)	J0803+2530	RA: 08 03 59.6160 (120.9984000d) Dec: +25 30 51.48 (25.51430d) Equinox: J2000			V=18.369982	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(34) J0803+2530	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ;		Pattern 1, Exps 1-1 i n Visit 34 (1)	43.984365 Secs (87.969 Secs)	
						NSAMP=15			[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		(34) J0803+2530	WFC3/UVIS, ACCUM, UVIS2	F438W	FLASH=3			1000 Secs (1000 Secs)	
								[==>]	[1]	
3		(34) J0803+2530	WFC3/UVIS, ACCUM, UVIS2	F814W		FLASH=8			300 Secs (300 Secs)	
								[==>]	[1]	



Proposal 14649 - Visit 35 - Opening a New Window into Galaxy Evolution Through the Lens of CO-detected Shocked Poststarburst G...

Fri Jul 29 18:17:53 GMT 2016

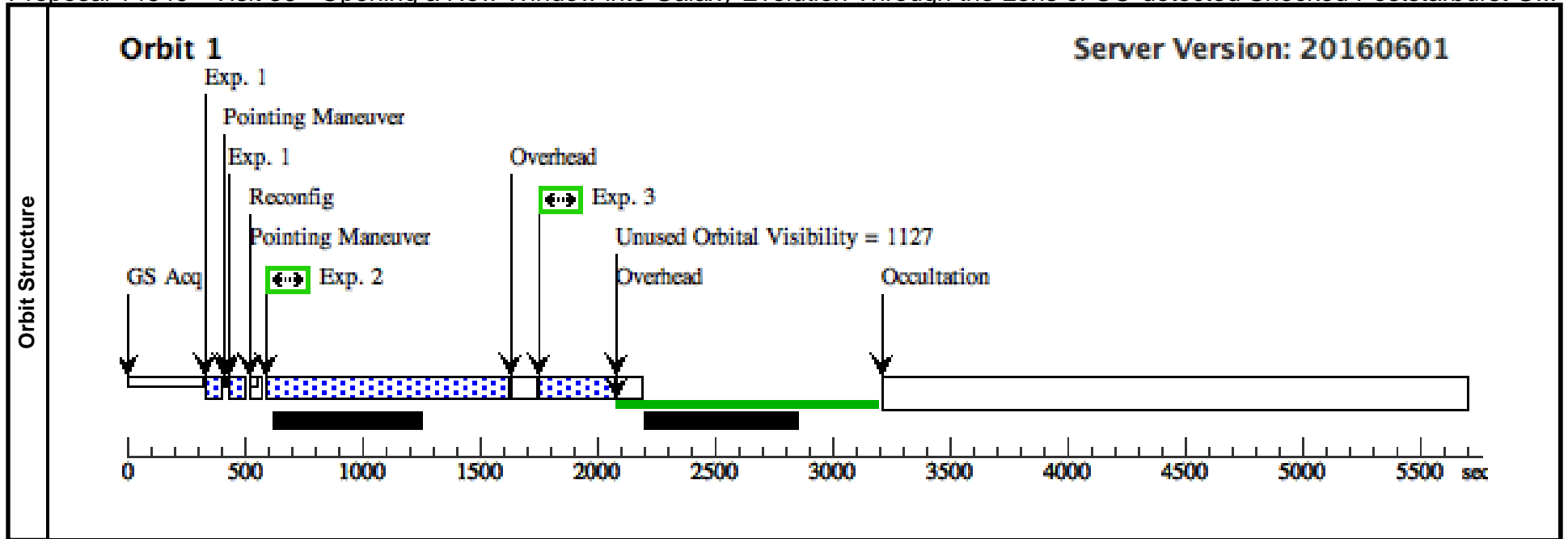
Visit	Proposal 14649, Visit 35 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false						(1)
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes	Miscellaneous		
	(35)	J0003+0048	RA: 00 03 18.2160 (.8259000d)	Dec: +00 48 44.28 (.81230d)	Equinox: J2000		V=18.263474	Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(35) J0003+0048	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ;		Pattern 1, Exps 1-1 i n Visit 35 (1)	43.984365 Secs (87.969 Secs)	
						NSAMP=15			[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		(35) J0003+0048	WFC3/UVIS, ACCUM, UVIS2	F438W	FLASH=3			1000 Secs (1000 Secs)	
								[==>]	[1]	
3		(35) J0003+0048	WFC3/UVIS, ACCUM, UVIS2	F814W	FLASH=8			300 Secs (300 Secs)		
								[==>]	[1]	



Proposal 14649 - Visit 36 - Opening a New Window into Galaxy Evolution Through the Lens of CO-detected Shocked Poststarburst G...

Fri Jul 29 18:17:53 GMT 2016

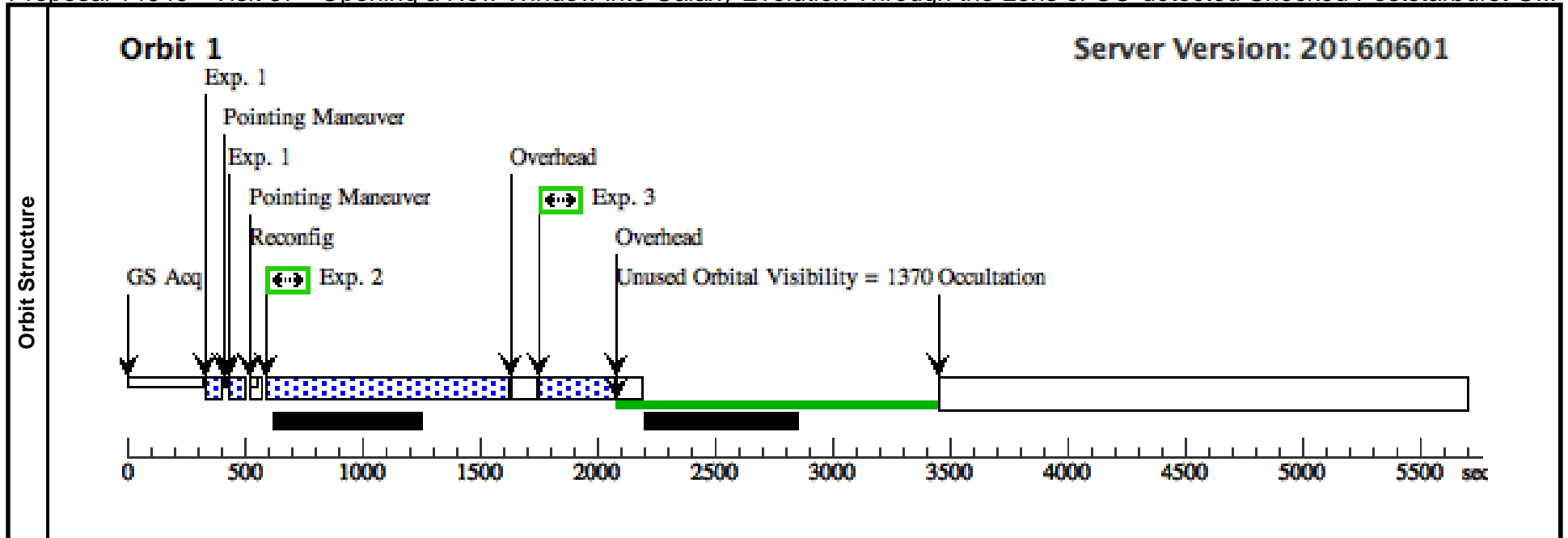
Visit	Proposal 14649, Visit 36 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(36)	J1153+0930	RA: 11 53 41.3280 (178.4222000d) Dec: +09 30 25.56 (9.50710d) Equinox: J2000			V=17.640989	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(36) J1153+0930	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ;		Pattern 1, Exps 1-1 i n Visit 36 (1)	43.984365 Secs (87.969 Secs)	
						NSAMP=15			[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		(36) J1153+0930	WFC3/UVIS, ACCUM, UVIS2	F438W	FLASH=3			1000 Secs (1000 Secs)	
								[==>]	[1]	
3		(36) J1153+0930	WFC3/UVIS, ACCUM, UVIS2	F814W	FLASH=8			300 Secs (300 Secs)		
								[==>]	[1]	



Proposal 14649 - Visit 37 - Opening a New Window into Galaxy Evolution Through the Lens of CO-detected Shocked Poststarburst G...

Fri Jul 29 18:17:53 GMT 2016

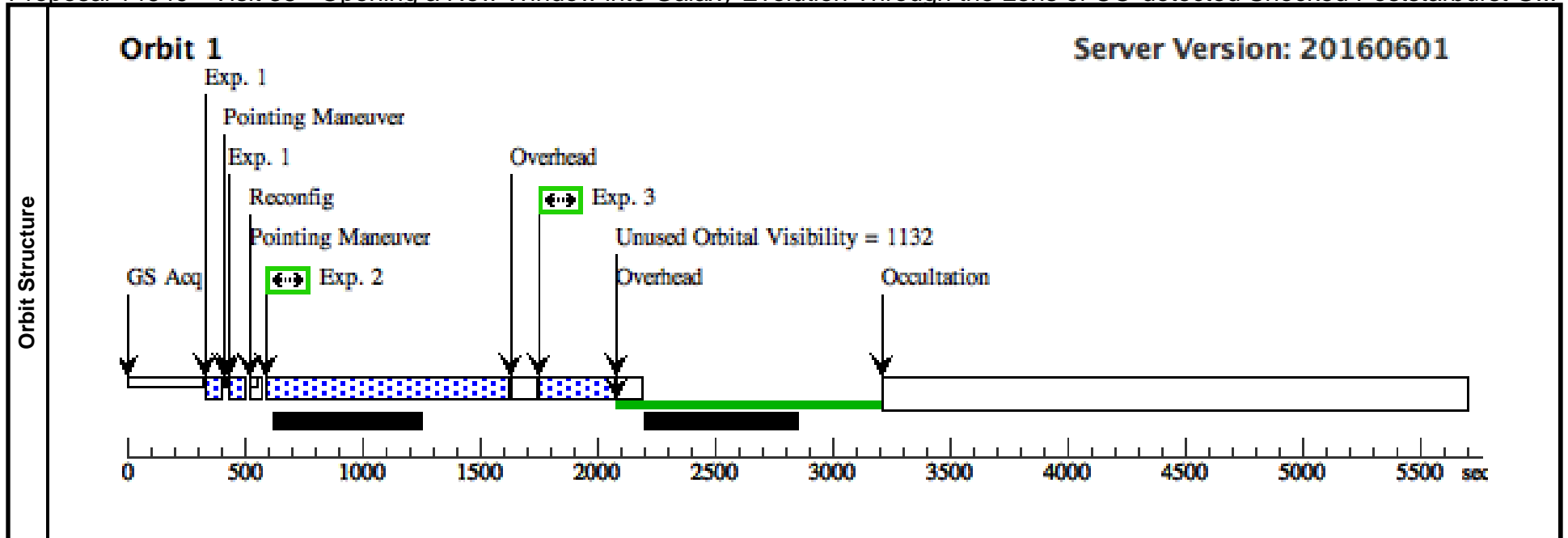
Visit	Proposal 14649, Visit 37 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false						
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes	Miscellaneous		
	(37)	J1505+5847	RA: 15 05 41.5920 (226.4233000d) Dec: +58 47 18.96 (58.78860d) Equinox: J2000				V=18.604868	Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(37) J1505+5847	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ;		Pattern 1, Exps 1-1 i n Visit 37 (1)	43.984365 Secs (87.969 Secs)	
						NSAMP=15			[==>(Pattern 1)]	[1]
									[==>(Pattern 2)]	
2		(37) J1505+5847	WFC3/UVIS, ACCUM, UVIS2	F438W	FLASH=3			1000 Secs (1000 Secs)		
								[==>]	[1]	
3		(37) J1505+5847	WFC3/UVIS, ACCUM, UVIS2	F814W	FLASH=8			300 Secs (300 Secs)		
								[==>]	[1]	



Proposal 14649 - Visit 38 - Opening a New Window into Galaxy Evolution Through the Lens of CO-detected Shocked Poststarburst G...

Fri Jul 29 18:17:53 GMT 2016

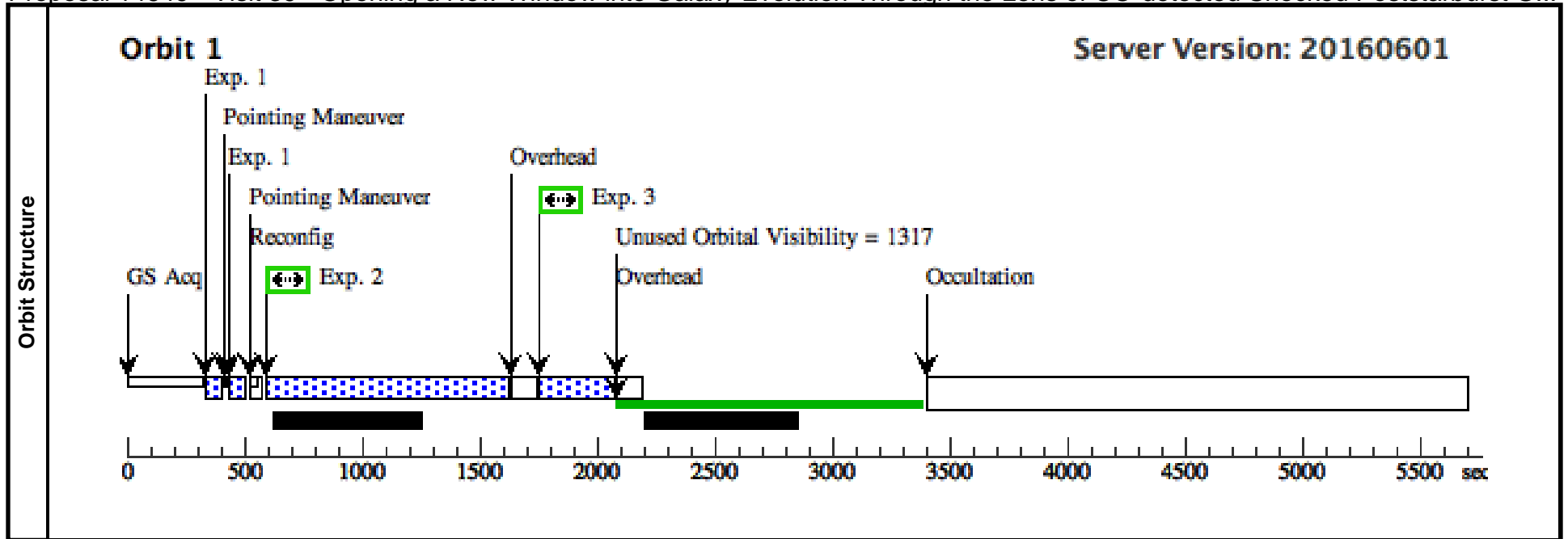
Visit	Proposal 14649, Visit 38 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(38)	J1127+1256	RA: 11 27 3.6480 (171.7652000d) Dec: +12 56 55.32 (12.94870d) Equinox: J2000			V=18.14176	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(38) J1127+1256	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ;		Pattern 1, Exps 1-1 i n Visit 38 (1)	43.984365 Secs (87.969 Secs)	
									[==>(Pattern 1)]	[1]
									[==>(Pattern 2)]	
2		(38) J1127+1256	WFC3/UVIS, ACCUM, UVIS2	F438W	FLASH=3			1000 Secs (1000 Secs)		
								[==>]	[1]	
3		(38) J1127+1256	WFC3/UVIS, ACCUM, UVIS2	F814W	FLASH=8			300 Secs (300 Secs)		
								[==>]	[1]	



Proposal 14649 - Visit 39 - Opening a New Window into Galaxy Evolution Through the Lens of CO-detected Shocked Poststarburst G...

Fri Jul 29 18:17:53 GMT 2016

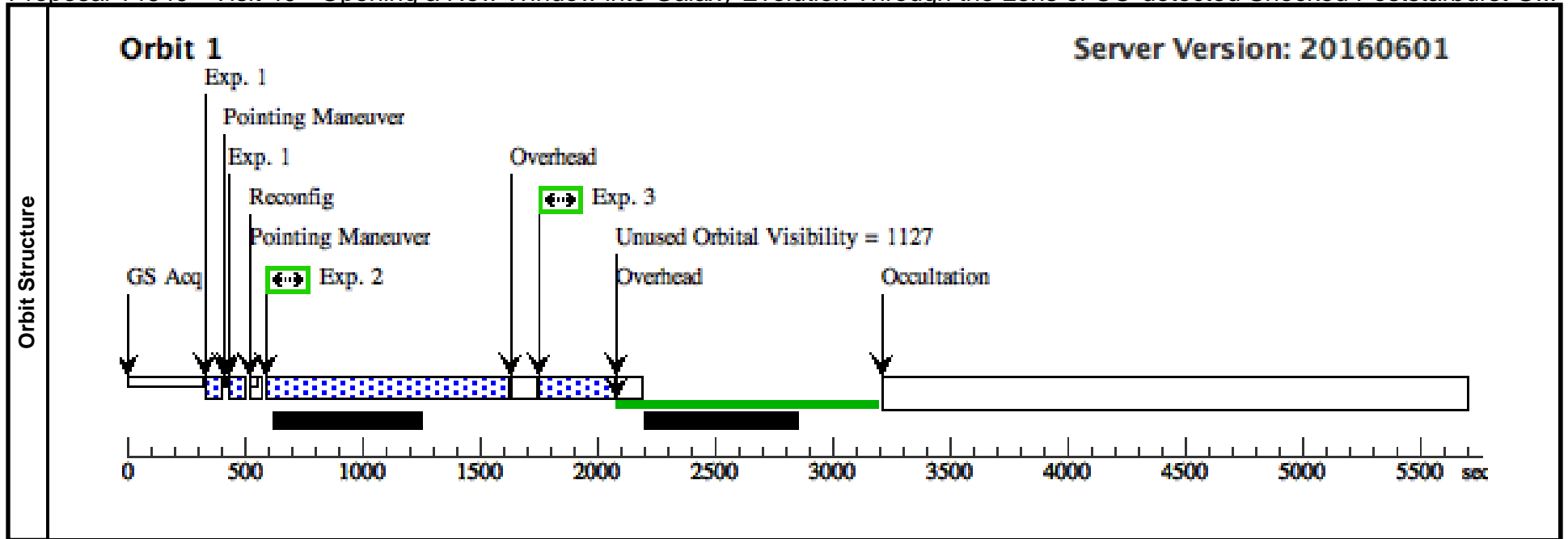
Visit	Proposal 14649, Visit 39 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(39)	J1008+5123	RA: 10 08 47.6880 (152.1987000d) Dec: +51 23 52.80 (51.39800d) Equinox: J2000			V=18.333754	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(39) J1008+5123	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ;		Pattern 1, Exps 1-1 i n Visit 39 (1)	43.984365 Secs (87.969 Secs)	
						NSAMP=15			[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		(39) J1008+5123	WFC3/UVIS, ACCUM, UVIS2	F438W	FLASH=3			1000 Secs (1000 Secs)	
								[==>]	[1]	
3		(39) J1008+5123	WFC3/UVIS, ACCUM, UVIS2	F814W	FLASH=8			300 Secs (300 Secs)		
								[==>]	[1]	



Proposal 14649 - Visit 40 - Opening a New Window into Galaxy Evolution Through the Lens of CO-detected Shocked Poststarburst G...

Fri Jul 29 18:17:53 GMT 2016

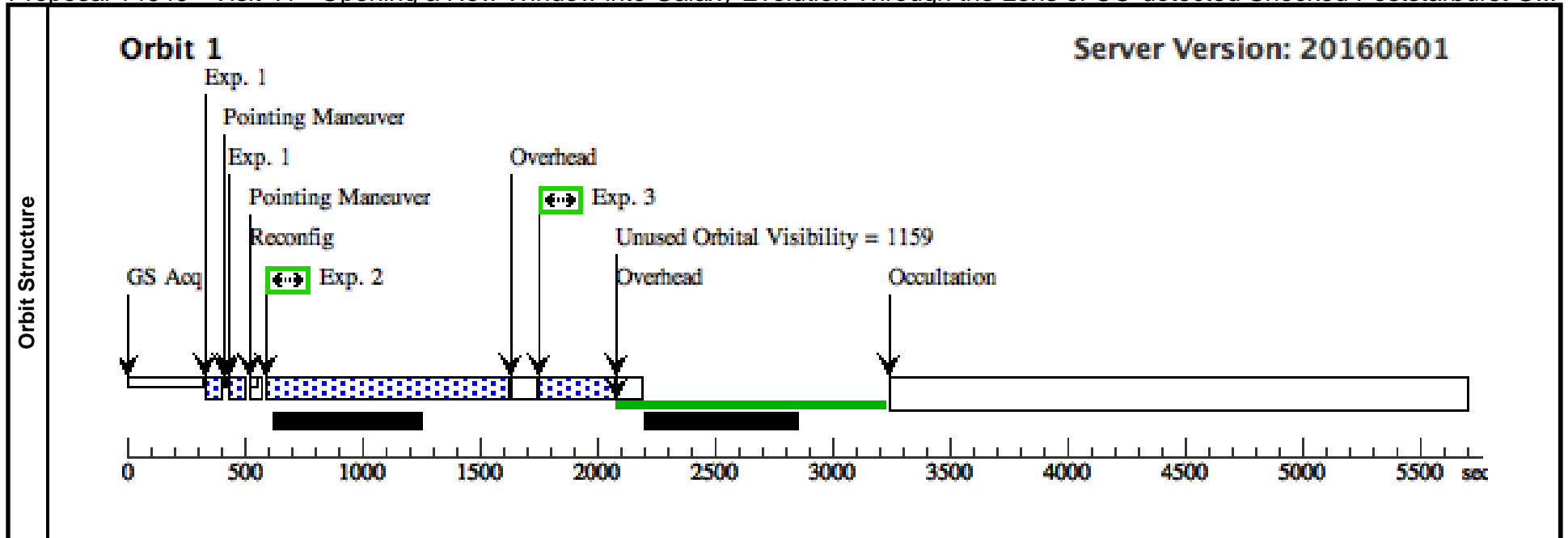
Visit	Proposal 14649, Visit 40 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(40)	J1031+0540	RA: 10 31 34.8480 (157.8952000d) Dec: +05 40 57.36 (5.68260d) Equinox: J2000			V=18.135818	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(40) J1031+0540	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ;		Pattern 1, Exps 1-1 i n Visit 40 (1)	43.984365 Secs (87.969 Secs)	
						NSAMP=15			[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		(40) J1031+0540	WFC3/UVIS, ACCUM, UVIS2	F438W	FLASH=3			1000 Secs (1000 Secs)	
								[==>]	[1]	
3		(40) J1031+0540	WFC3/UVIS, ACCUM, UVIS2	F814W		FLASH=8			300 Secs (300 Secs)	
								[==>]	[1]	



Proposal 14649 - Visit 41 - Opening a New Window into Galaxy Evolution Through the Lens of CO-detected Shocked Poststarburst G...

Fri Jul 29 18:17:53 GMT 2016

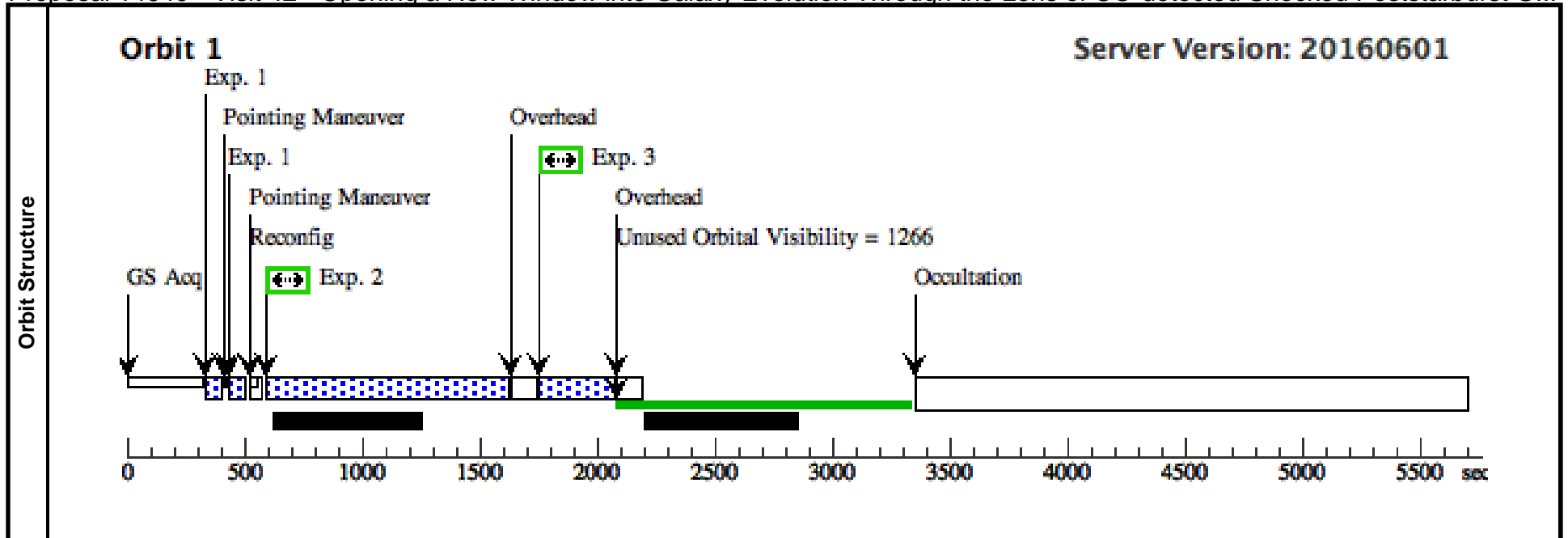
Visit	Proposal 14649, Visit 41 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false						(1)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(41)	J1229+3224	RA: 12 29 6.9360 (187.2789000d) Dec: +32 24 17.64 (32.40490d) Equinox: J2000			V=17.666403	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(41) J1229+3224	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID		Pattern 1, Exps 1-1 i n Visit 41 (1)	43.984365 Secs (87.969 Secs)	
									[==>(Pattern 1)]	[1]
									[==>(Pattern 2)]	
2		(41) J1229+3224	WFC3/UVIS, ACCUM, UVIS2	F438W	FLASH=3			1000 Secs (1000 Secs)		
								[==>]	[1]	
3		(41) J1229+3224	WFC3/UVIS, ACCUM, UVIS2	F814W	FLASH=8			300 Secs (300 Secs)		
								[==>]	[1]	



Proposal 14649 - Visit 42 - Opening a New Window into Galaxy Evolution Through the Lens of CO-detected Shocked Poststarburst G...

Fri Jul 29 18:17:53 GMT 2016

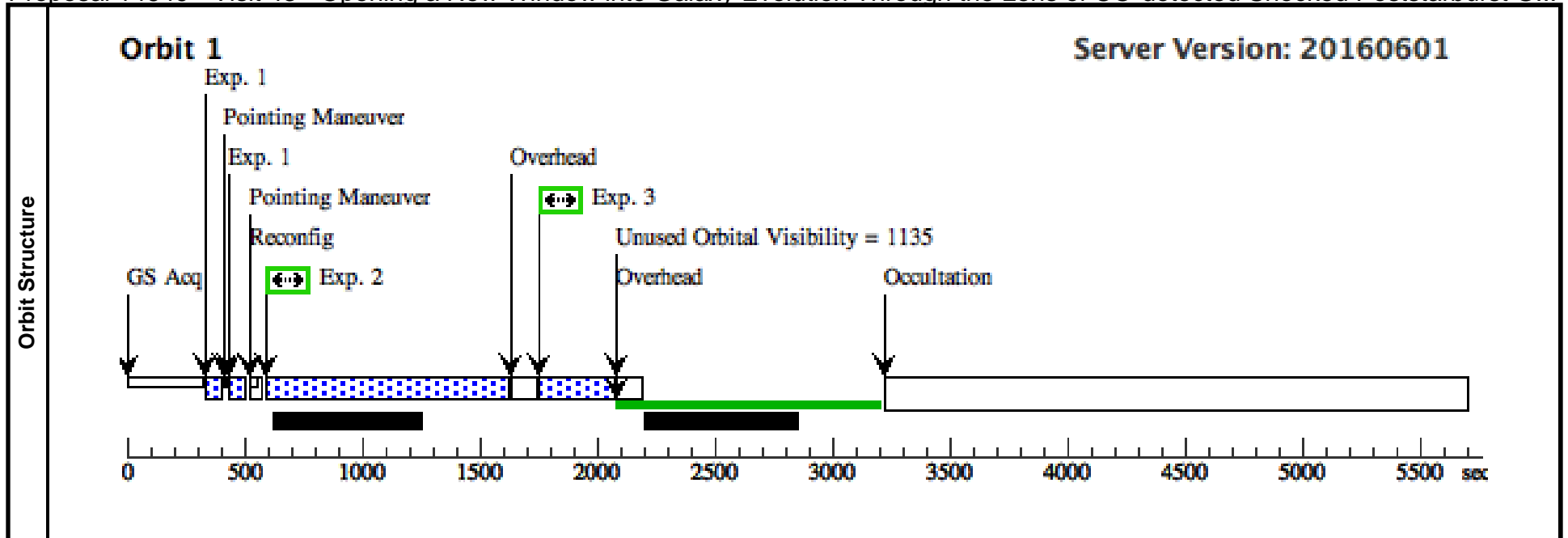
Visit	Proposal 14649, Visit 42 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false					(1)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(42)	J1139+4631	RA: 11 39 39.3360 (174.9139000d) Dec: +46 31 32.16 (46.52560d) Equinox: J2000			V=17.858702	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(42) J1139+4631	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ; NSAMP=15		Pattern 1, Exps 1-1 i n Visit 42 (1)	43.984365 Secs (87.969 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		(42) J1139+4631	WFC3/UVIS, ACCUM, UVIS2	F438W	FLASH=3			1000 Secs (1000 Secs) [==>]	[1]
	3		(42) J1139+4631	WFC3/UVIS, ACCUM, UVIS2	F814W	FLASH=8			300 Secs (300 Secs) [==>]	[1]



Proposal 14649 - Visit 43 - Opening a New Window into Galaxy Evolution Through the Lens of CO-detected Shocked Poststarburst G...

Fri Jul 29 18:17:53 GMT 2016

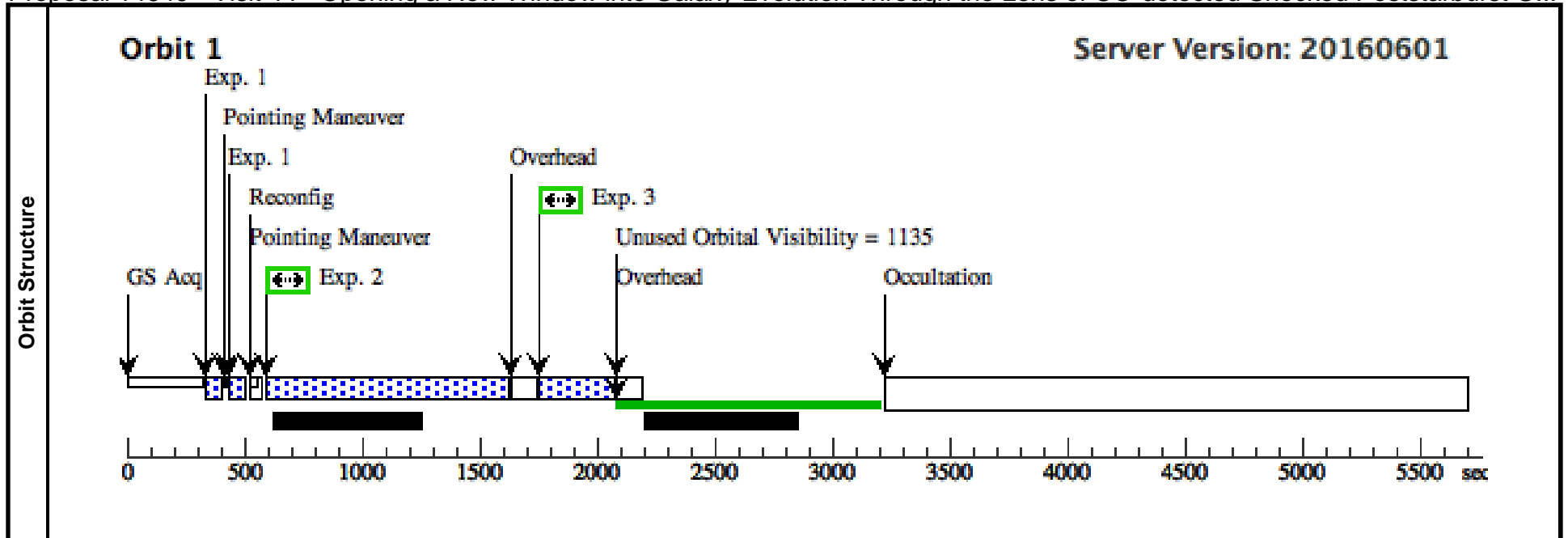
Visit	Proposal 14649, Visit 43 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes	Miscellaneous		
	(43)	J1326+1922	RA: 13 26 48.1200 (201.7005000d) Dec: +19 22 45.84 (19.37940d) Equinox: J2000				V=18.054052	Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(43) J1326+1922	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ;		Pattern 1, Exps 1-1 i n Visit 43 (1)	43.984365 Secs (87.969 Secs)	
									[==>(Pattern 1)]	[1]
									[==>(Pattern 2)]	
2		(43) J1326+1922	WFC3/UVIS, ACCUM, UVIS2	F438W	FLASH=3			1000 Secs (1000 Secs)		
								[==>]	[1]	
3		(43) J1326+1922	WFC3/UVIS, ACCUM, UVIS2	F814W	FLASH=8			300 Secs (300 Secs)		
								[==>]	[1]	



Proposal 14649 - Visit 44 - Opening a New Window into Galaxy Evolution Through the Lens of CO-detected Shocked Poststarburst G...

Fri Jul 29 18:17:53 GMT 2016

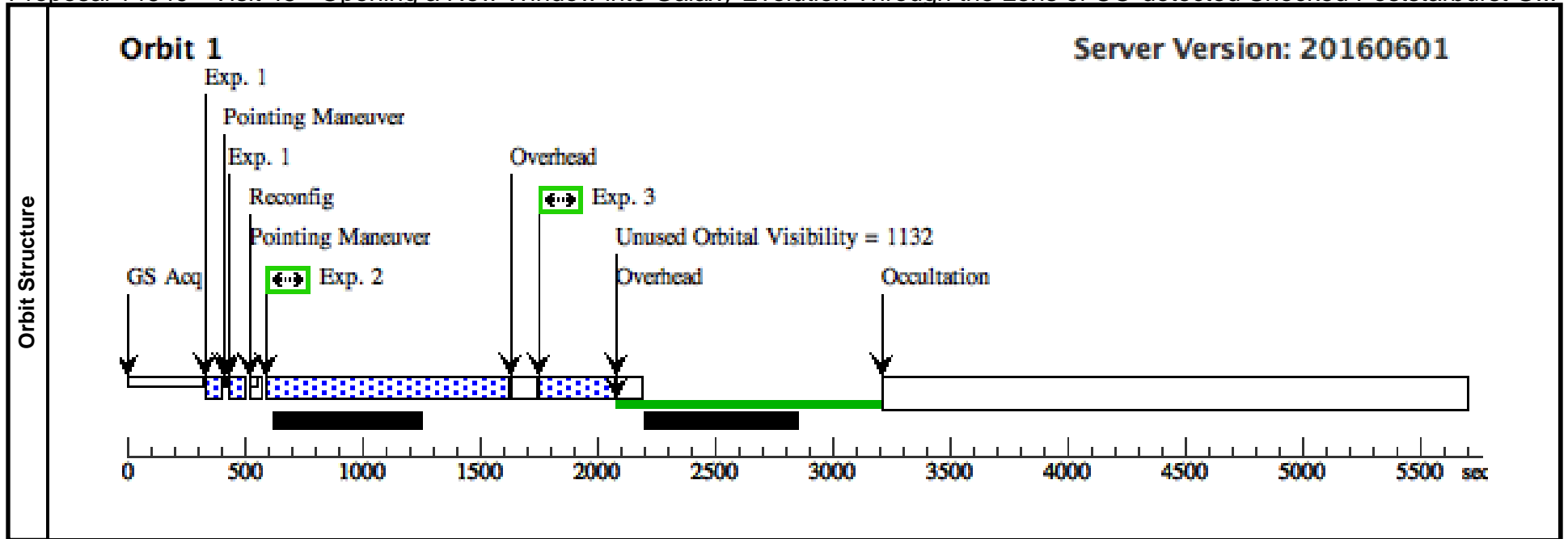
Visit	Proposal 14649, Visit 44 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes	Miscellaneous		
	(44)	J1008+1916	RA: 10 08 28.7280 (152.1197000d) Dec: +19 16 19.92 (19.27220d) Equinox: J2000				V=18.546631	Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(44) J1008+1916	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID		Pattern 1, Exps 1-1 i n Visit 44 (1)	43.984365 Secs (87.969 Secs)	
									[==>(Pattern 1)]	[1]
									[==>(Pattern 2)]	
2		(44) J1008+1916	WFC3/UVIS, ACCUM, UVIS2	F438W	FLASH=3			1000 Secs (1000 Secs)		
								[==>]	[1]	
3		(44) J1008+1916	WFC3/UVIS, ACCUM, UVIS2	F814W	FLASH=8			300 Secs (300 Secs)		
								[==>]	[1]	



Proposal 14649 - Visit 45 - Opening a New Window into Galaxy Evolution Through the Lens of CO-detected Shocked Poststarburst G...

Fri Jul 29 18:17:53 GMT 2016

Visit	Proposal 14649, Visit 45 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(45)	J0119+1334	RA: 01 19 56.7600 (19.9865000d) Dec: +13 34 31.44 (13.57540d) Equinox: J2000			V=17.866699	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(45) J0119+1334	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ;		Pattern 1, Exps 1-1 i n Visit 45 (1)	43.984365 Secs (87.969 Secs)	
						NSAMP=15			[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		(45) J0119+1334	WFC3/UVIS, ACCUM, UVIS2	F438W	FLASH=3			1000 Secs (1000 Secs)	
								[==>]	[1]	
3		(45) J0119+1334	WFC3/UVIS, ACCUM, UVIS2	F814W	FLASH=8			300 Secs (300 Secs)		
								[==>]	[1]	



Proposal 14649 - Visit 46 - Opening a New Window into Galaxy Evolution Through the Lens of CO-detected Shocked Poststarburst G...

Fri Jul 29 18:17:53 GMT 2016

Visit	Proposal 14649, Visit 46 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(1)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(46)	J2326-0114	RA: 23 26 37.2240 (351.6551000d) Dec: -01 14 35.16 (-1.24310d) Equinox: J2000		V=18.298519	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(46) J2326-0114	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=RAPID ;		Pattern 1, Exps 1-1 i n Visit 46 (1)	43.984365 Secs (87.969 Secs)	
									[==>(Pattern 1)]	[1]
									[==>(Pattern 2)]	
2		(46) J2326-0114	WFC3/UVIS, ACCUM, UVIS2	F438W	FLASH=3			1000 Secs (1000 Secs)		
								[==>]	[1]	
3		(46) J2326-0114	WFC3/UVIS, ACCUM, UVIS2	F814W	FLASH=8			300 Secs (300 Secs)		
								[==>]	[1]	

