



17424 - High-resolution imaging of the ionizing and non-ionizing radiation of extreme starbursts at $z \sim 2.4$

Cycle: 31, Proposal Category: GO

(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) J0006+2452	WFC3/UVIS	2	19-May-2025 10:00:52.0	yes
1Z	(1) J0006+2452	WFC3/UVIS	2	19-May-2025 10:00:53.0	yes
02	(2) J0046+2510	WFC3/UVIS	3	19-May-2025 10:00:53.0	yes
03	(3) J0817+3241	WFC3/UVIS	3	19-May-2025 10:00:54.0	yes
04	(4) J0850+1549	WFC3/UVIS	2	19-May-2025 10:00:55.0	yes
05	(5) J0950+0523	WFC3/UVIS	3	19-May-2025 10:00:55.0	yes
06	(6) J1220+0842	WFC3/UVIS	2	19-May-2025 10:00:56.0	yes
07	(7) J1220-0051	WFC3/UVIS	3	19-May-2025 10:00:56.0	yes
Z7	(7) J1220-0051	WFC3/UVIS	1	19-May-2025 10:00:57.0	yes
08	(8) J1249+1550	WFC3/UVIS	3	19-May-2025 10:00:57.0	yes
09	(9) J1415+2036	WFC3/UVIS	2	19-May-2025 10:00:58.0	yes

26 Total Orbits Used

ABSTRACT

We used to think that cosmic reionization was likely dominated by faint, widely-distributed galaxies until recent results have shown that UV-bright galaxies i) are among the most powerful ionizing sources known, and ii) they appear to be much more numerous than previously thought at the Epoch of Reionization (EoR). These results are enigmatic, however, may completely change our understanding of the nature of very UV-bright galaxies and the potential role these sources play in cosmic reionization. This proposal aims to probe the nature of extremely UV-bright galaxies and the mode of escape of ionizing photons.

Here we request high-resolution HST imaging of a representative sample of nine very UV-bright star-forming galaxies at $z=2.3-2.5$, possibly analogs of EoR bright sources recently uncovered with JWST and HST. These are extremely young ($<10\text{Myr}$), powerful, and very efficient starbursts, showing already hint at very high Lyman continuum (LyC) escape from available high-resolution and high S/N continuum spectra covering Ly-alpha to H-alpha. WFC3/UVIS imaging will probe the ionizing ($\sim 750\text{\AA}$) and non-ionizing ($\sim 1600\text{\AA}$) radiation at similar spatial scales (down to $\sim 500\text{pc}$) to test the LyC escape in these exceptional sources, including very efficient modes of production and escape of ionizing photons, and provide the first

high-resolution studies of their morphologies. The requested observations will thus uncover some of the most important, but still open questions raised by these UV-bright sources, including those related to their origin and nature, and their potential role in cosmic reionization.

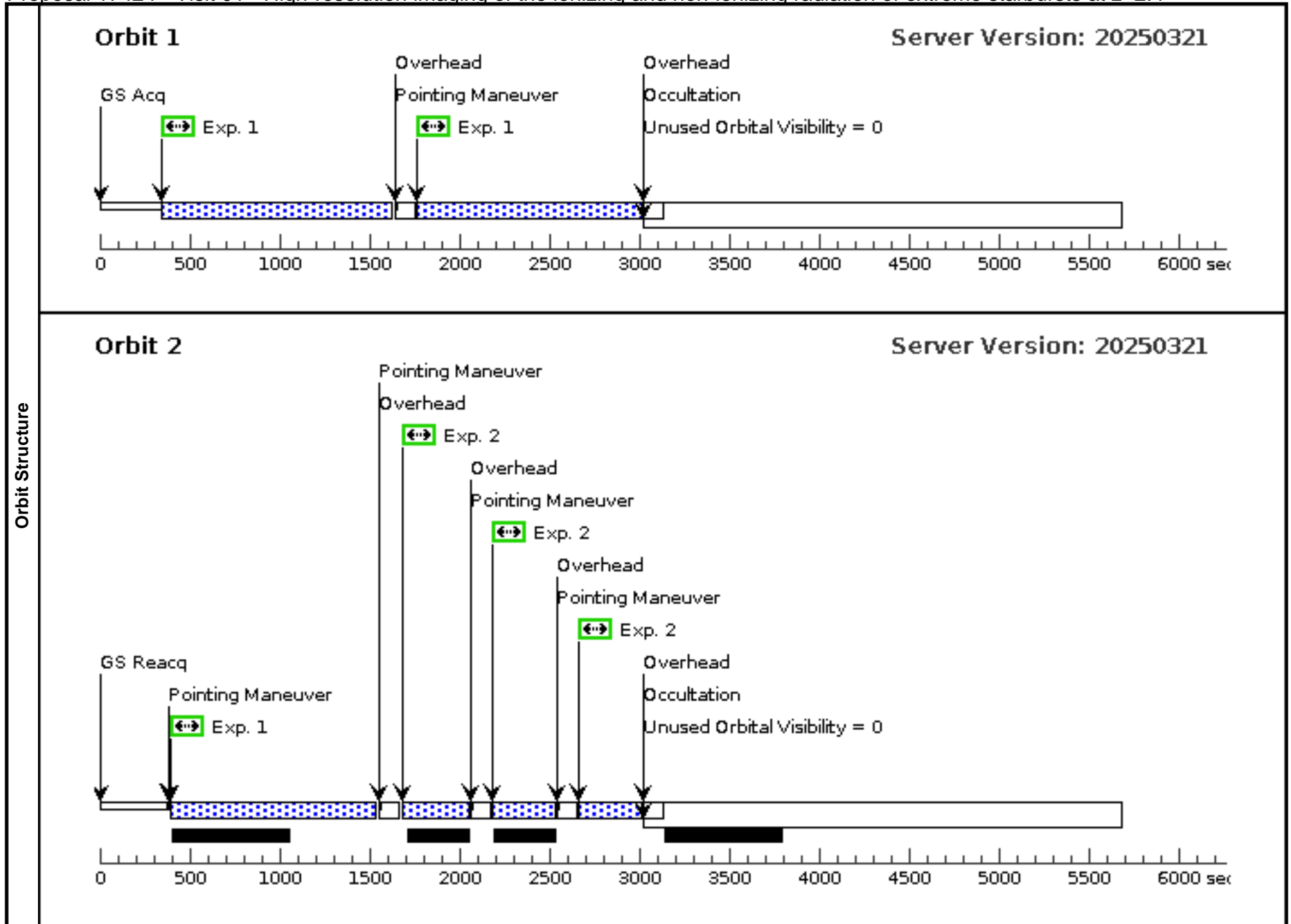
OBSERVING DESCRIPTION

This program uses two sets of filters to obtain the ionizing (LyC) and non-ionizing (UV at $\sim 1600\text{\AA}$) emission in nine UV-bright star-forming galaxies at $z \sim 2.3-2.4$. We use a combination of WFC3/UVIS F225W+F555W and F275W+F606W, depending on the redshift of each source. LyC continuum observations (F225W or F275W) have total exposure times of 3804 sec and 6340 sec (depending on the brightness of each source), i.e., approx. 1.5 and 2.5 orbits, split in 3 and 5 individual exposures, respectively. Observations of the non-ionizing emission (F555W or F606W) have a total exposure time of 1050 sec, split into 3 individual exposures. Observations use a dither-line pattern with 3 or 5 points for cosmic ray removal. Post-flash of $3e^-$ (F606W), $4e^-$ (F555W), $13e^-$ (F225W) and $14e^-$ (F275W) are required to reach a sufficient background level. For all observations, the targets are placed at Aperture='UVIS-C1K1C-CTE'.

Proposal 17424 - Visit 01 - High-resolution imaging of the ionizing and non-ionizing radiation of extreme starbursts at z~2.4

Mon May 19 14:00:58 GMT 2025

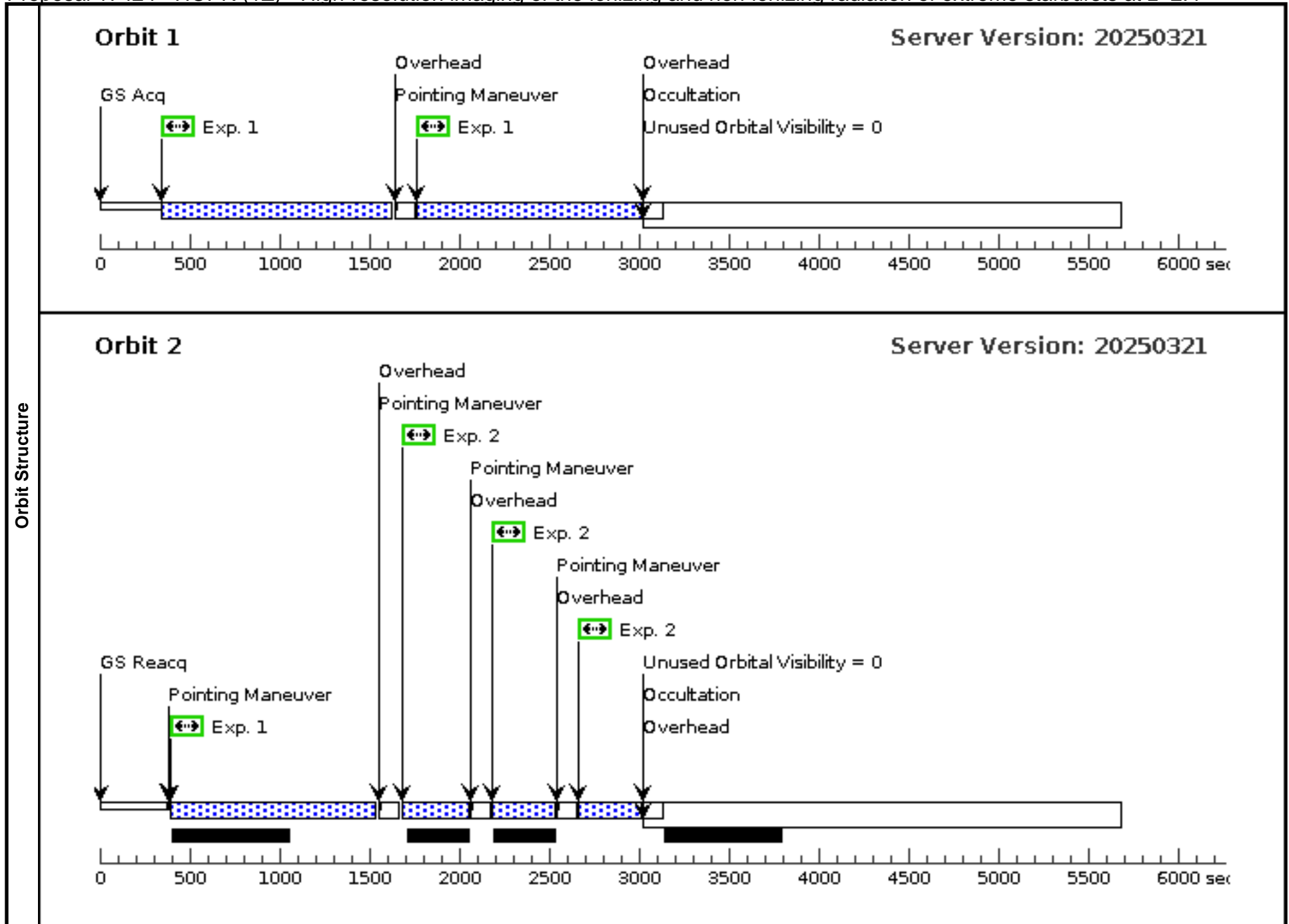
Visit	Proposal 17424, Visit 01, failed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=1.5 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1)						
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=1.5 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	J0006+2452	RA: 00 06 44.7300 (1.6863750d) Dec: +24 52 53.19 (24.88144d) Equinox: J2000		V=20.9	Reference Frame: ICRS				
<i>Comments:</i> Category=GALAXY Description=[STARBURST] Extended=NO										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) J0006+2452	WFC3/UVIS, ACCUM, UVIS2-C1K1C-CTE	F225W	FLASH=13		Pattern 1, Exps 1-1 in Visit 01 (1)	1268 Secs (3651 Secs) [==>1252 Secs (Pattern 1)] [==>1252.0 Secs (Pattern 2)] [==>1147.0 Secs (Pattern 3)]	[1] [2]
2		(1) J0006+2452	WFC3/UVIS, ACCUM, UVIS2-C1K1C-CTE	F555W	FLASH=7		Pattern 3, Exps 2-2 in Visit 01 (3)	350 Secs (1044 Secs) [==>348.0 Secs (Pattern 1)] [==>348.0 Secs (Pattern 2)] [==>348.0 Secs (Pattern 3)]	[2]	



Proposal 17424 - HOPR (1Z) - High-resolution imaging of the ionizing and non-ionizing radiation of extreme starbursts at z~2.4

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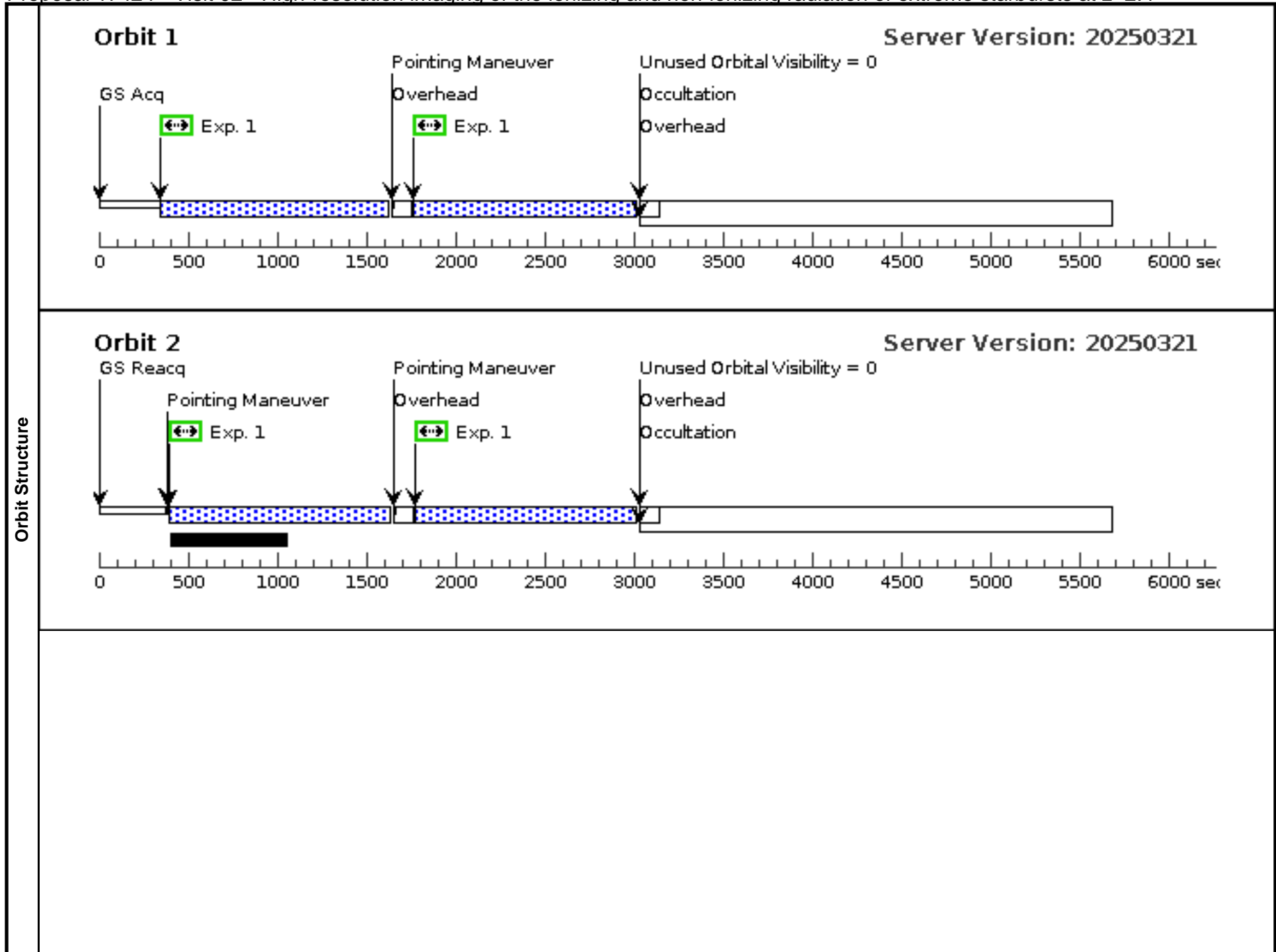
Visit	Proposal 17424, HOPR (1Z), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none) <i>Comments: This is a HOPR for failed visit 01</i>									
	Patterns		#	Primary Pattern	Secondary Pattern	Exposures				
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=1.5 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1)						
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=1.5 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	J0006+2452	RA: 00 06 44.7300 (1.6863750d) Dec: +24 52 53.19 (24.88144d) Equinox: J2000		V=20.9	Reference Frame: ICRS				
	<i>Comments:</i> Category=GALAXY Description=[STARBURST] Extended=NO									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1) J0006+2452	(1) J0006+2452	WFC3/UVIS, ACCUM, UVIS2-C1K1C-CTE	F225W	FLASH=13		Pattern 1, Exps 1-1 in HOPR (1Z) (1)	1268 Secs (3651 Secs)	
									[==>1252 Secs (Pattern 1)]	[1]
									[==>1252.0 Secs (Pattern 2)]	[2]
								[==>1147.0 Secs (Pattern 3)]	[2]	
2	(1) J0006+2452	(1) J0006+2452	WFC3/UVIS, ACCUM, UVIS2-C1K1C-CTE	F555W	FLASH=7			Pattern 3, Exps 2-2 in HOPR (1Z) (3)	350 Secs (1044 Secs)	
								[==>348.0 Secs (Pattern 1)]		
								[==>348.0 Secs (Pattern 2)]	[2]	
								[==>348.0 Secs (Pattern 3)]		

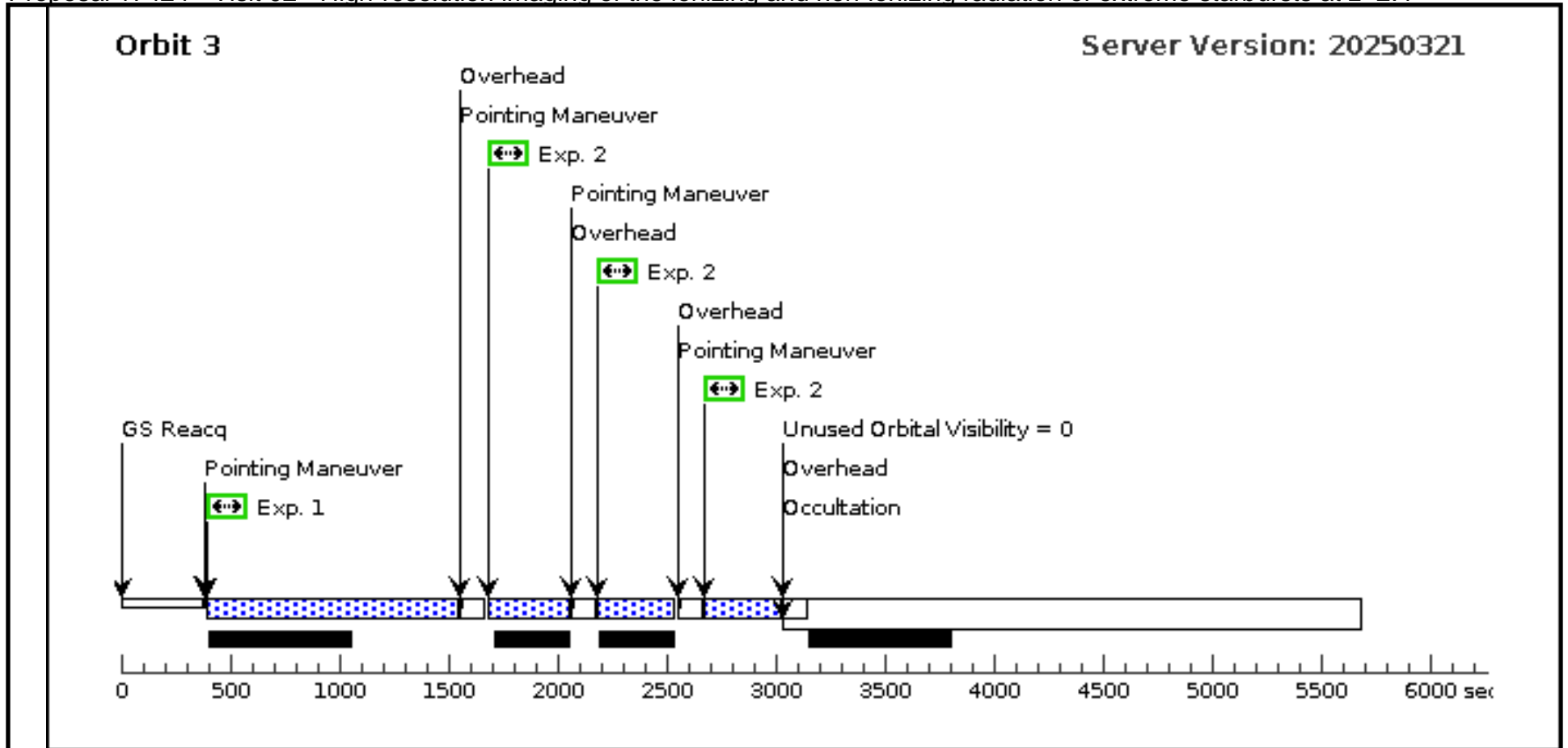


Proposal 17424 - Visit 02 - High-resolution imaging of the ionizing and non-ionizing radiation of extreme starbursts at z~2.4

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Visit	Proposal 17424, Visit 02, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=1.5 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(2)						
	(4)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=5 Point Spacing=1.5 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	J0046+2510	RA: 00 46 20.4900 (11.5853750d) Dec: +25 10 3.09 (25.16753d) Equinox: J2000		V=21.8	Reference Frame: ICRS				
<i>Comments:</i> Category=GALAXY Description=[STARBURST]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(2) J0046+2510	WFC3/UVIS, ACCUM, UVIS2-C1K1C-CTE	F225W	FLASH=13			Pattern 4, Exps 1-1 in Visit 02 (4)	1268 Secs (6143 Secs) [==>1254 Secs (Pattern 1)] [==>1254.0 Secs (Pattern 2)] [==>1243.0 Secs (Pattern 3)] [==>1244.0 Secs (Pattern 4)] [==>1148.0 Secs (Pattern 5)]
2		(2) J0046+2510	WFC3/UVIS, ACCUM, UVIS2-C1K1C-CTE	F555W	FLASH=7			Pattern 3, Exps 2-2 in Visit 02 (3)	350 Secs (1047 Secs) [==>349.0 Secs (Pattern 1)] [==>349.0 Secs (Pattern 2)] [==>349.0 Secs (Pattern 3)]	[3]

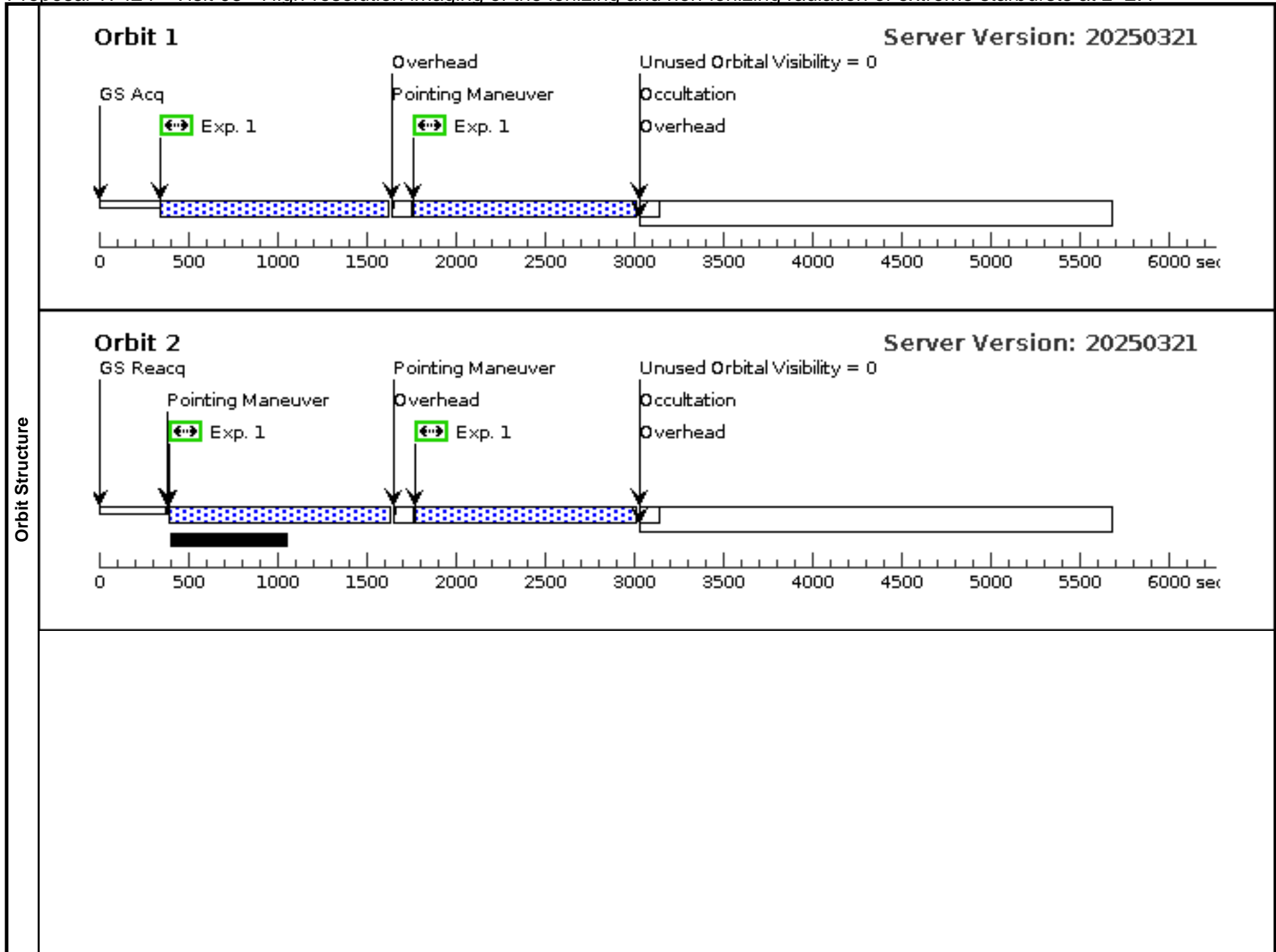


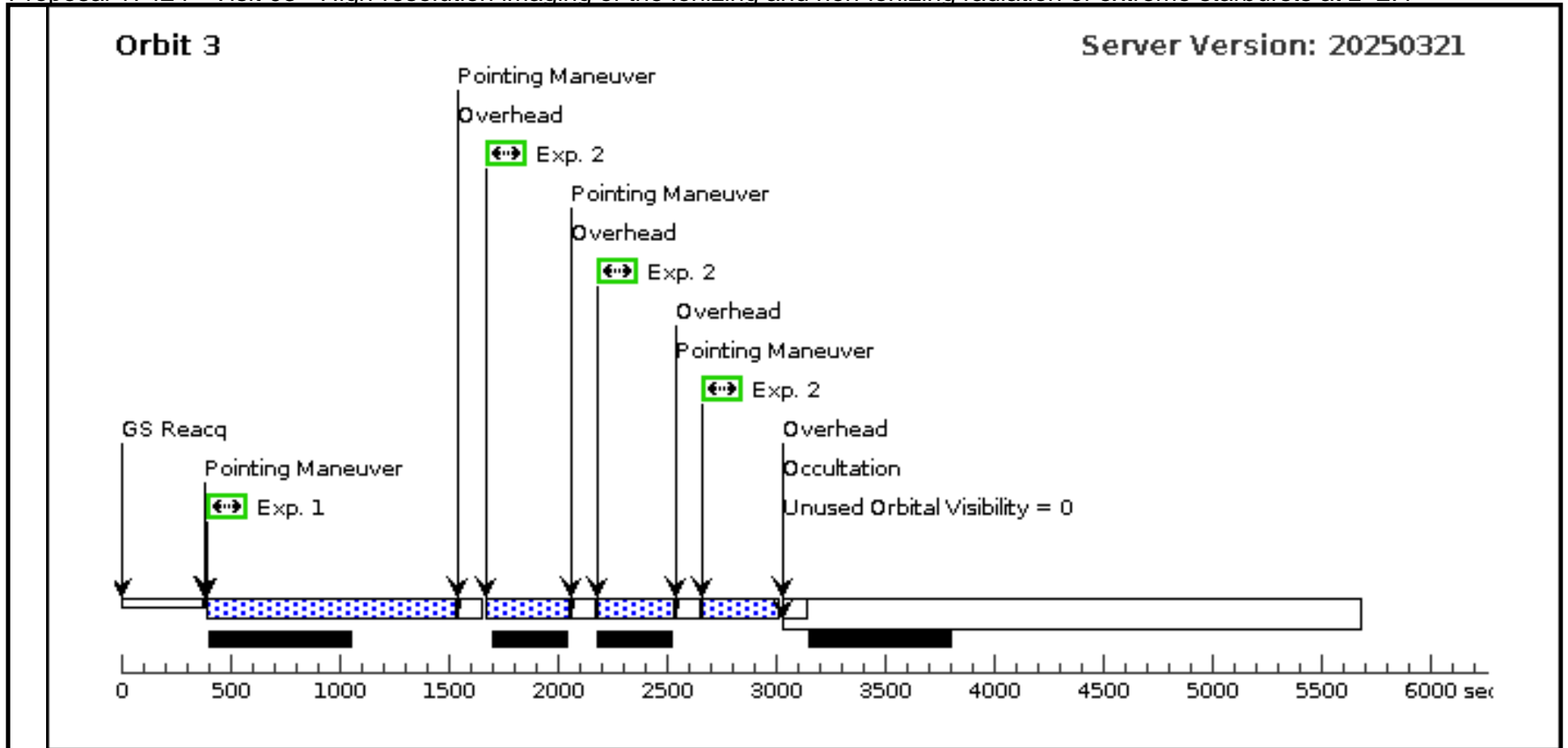


Proposal 17424 - Visit 03 - High-resolution imaging of the ionizing and non-ionizing radiation of extreme starbursts at z~2.4

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Visit	Proposal 17424, Visit 03, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=1.5 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(2)						
	(4)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=5 Point Spacing=1.5 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	J0817+3241	RA: 08 17 38.7700 (124.4115417d) Dec: +32 41 8.10 (32.68558d) Equinox: J2000		V=21.9	Reference Frame: ICRS				
<i>Comments:</i> Category=GALAXY Description=[STARBURST]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(3) J0817+3241	WFC3/UVIS, ACCUM, UVIS2-C1K1C-CTE	F225W	FLASH=13		Pattern 4, Exps 1-1 in Visit 03 (4)	1268 Secs (6137 Secs) [==>1255.0 Secs (Pattern 1)] [==>1255.0 Secs (Pattern 2)] [==>1245.0 Secs (Pattern 3)] [==>1244.0 Secs (Pattern 4)] [==>1138.0 Secs (Pattern 5)]	[1] [2] [3]
2		(3) J0817+3241	WFC3/UVIS, ACCUM, UVIS2-C1K1C-CTE	F555W	FLASH=7		Pattern 3, Exps 2-2 in Visit 03 (3)	350 Secs (1059 Secs) [==>353.0 Secs (Pattern 1)] [==>353.0 Secs (Pattern 2)] [==>353.0 Secs (Pattern 3)]	[3]	

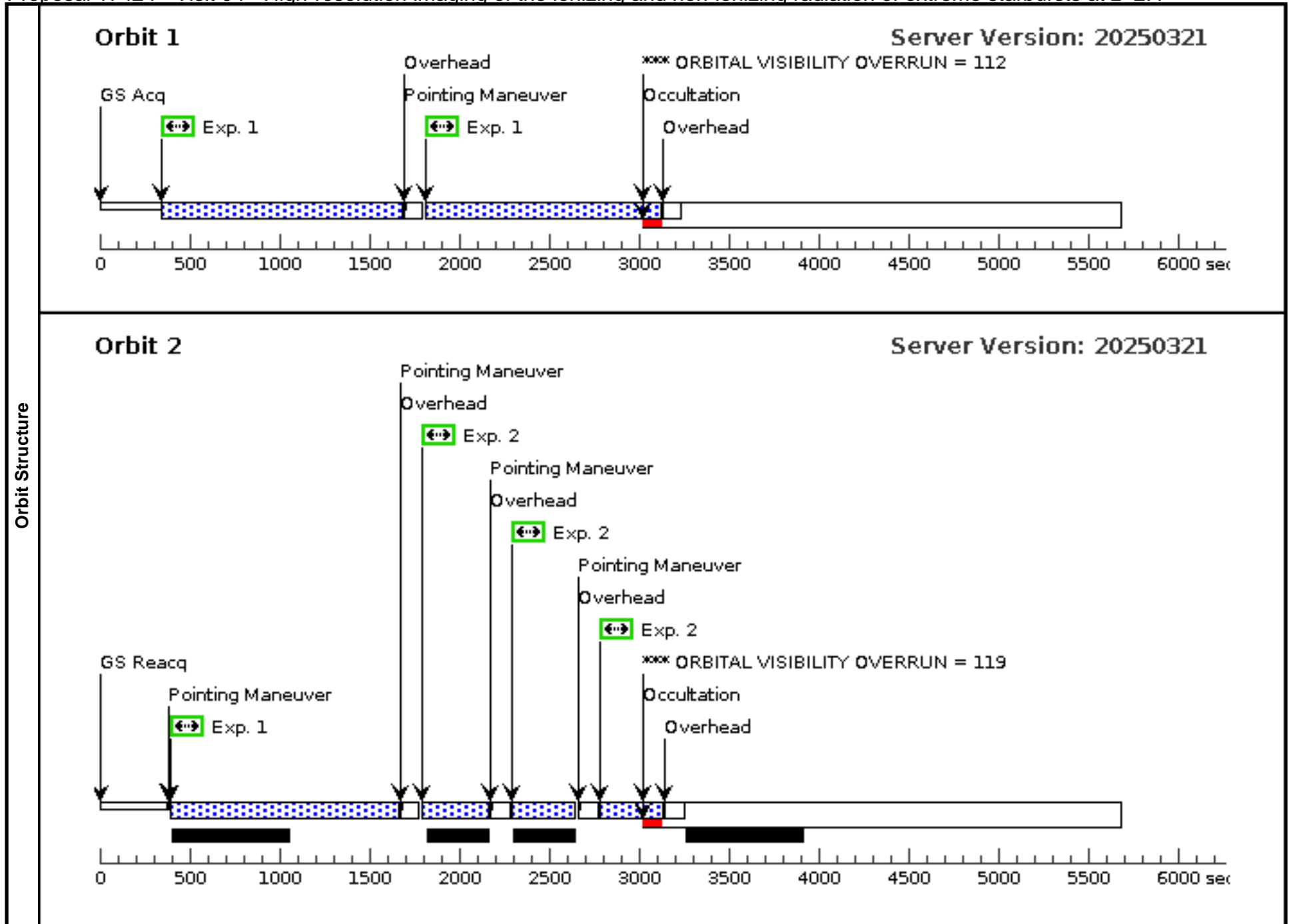




Proposal 17424 - Visit 04 - High-resolution imaging of the ionizing and non-ionizing radiation of extreme starbursts at z~2.4

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Visit	Proposal 17424, Visit 04, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	(Visit 04) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 04) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Diagnosics										
Patterns	#	Primary Pattern	Secondary Pattern	Exposures						
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=1.5 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1)						
(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=1.5 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(2)							
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(4)	J0850+1549	RA: 08 50 38.8600 (132.6619167d) Dec: +15 49 17.88 (15.82163d) Equinox: J2000		V=21.4	Reference Frame: ICRS				
Comments: Category=GALAXY Description=[STARBURST]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(4) J0850+1549	(4) J0850+1549	WFC3/UVIS, ACCUM, UVIS2-C1K1C-CTE	F275W	FLASH=14		Pattern 1, Exps 1-1 in Visit 04 (1)	1268 Secs (3884 Secs) [==>1308.0 Secs (Pattern 1)] [==>1308.0 Secs (Pattern 2)] [==>(Pattern 3)]	[1] [2]
2	(4) J0850+1549	(4) J0850+1549	WFC3/UVIS, ACCUM, UVIS2-C1K1C-CTE	F606W	FLASH=3		Pattern 3, Exps 2-2 in Visit 04 (3)	350 Secs (1050 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[2]	

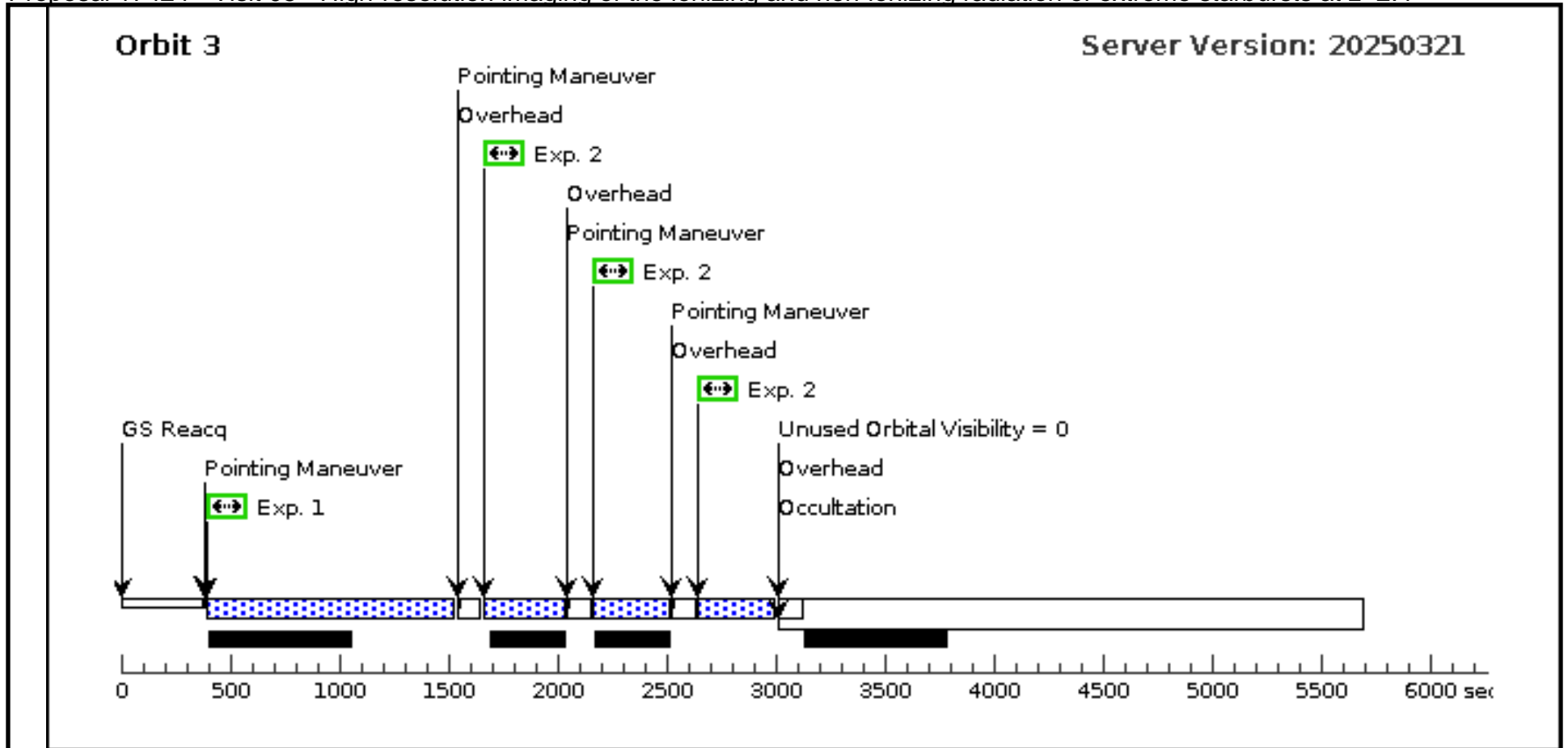


Proposal 17424 - Visit 05 - High-resolution imaging of the ionizing and non-ionizing radiation of extreme starbursts at z~2.4

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Visit	Proposal 17424, Visit 05, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=1.5 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(2)						
	(4)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=5 Point Spacing=1.5 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(5)	J0950+0523	RA: 09 50 28.8200 (147.6200833d) Dec: +05 23 43.80 (5.39550d) Equinox: J2000		V=21.5	Reference Frame: ICRS				
<i>Comments:</i> Category=GALAXY Description=[STARBURST]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(5) J0950+0523	WFC3/UVIS, ACCUM, UVIS2-C1K1C-CTE	F275W	FLASH=14		Pattern 4, Exps 1-1 in Visit 05 (4)	1268 Secs (6097 Secs) [==>1245 Secs (Pattern 1)] [==>1246 Secs (Pattern 2)] [==>1235.0 Secs (Pattern 3)] [==>1235.0 Secs (Pattern 4)] [==>1136.0 Secs (Pattern 5)]	[1] [2] [3]
2		(5) J0950+0523	WFC3/UVIS, ACCUM, UVIS2-C1K1C-CTE	F606W	FLASH=3		Pattern 3, Exps 2-2 in Visit 05 (3)	350 Secs (1050 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[3]	

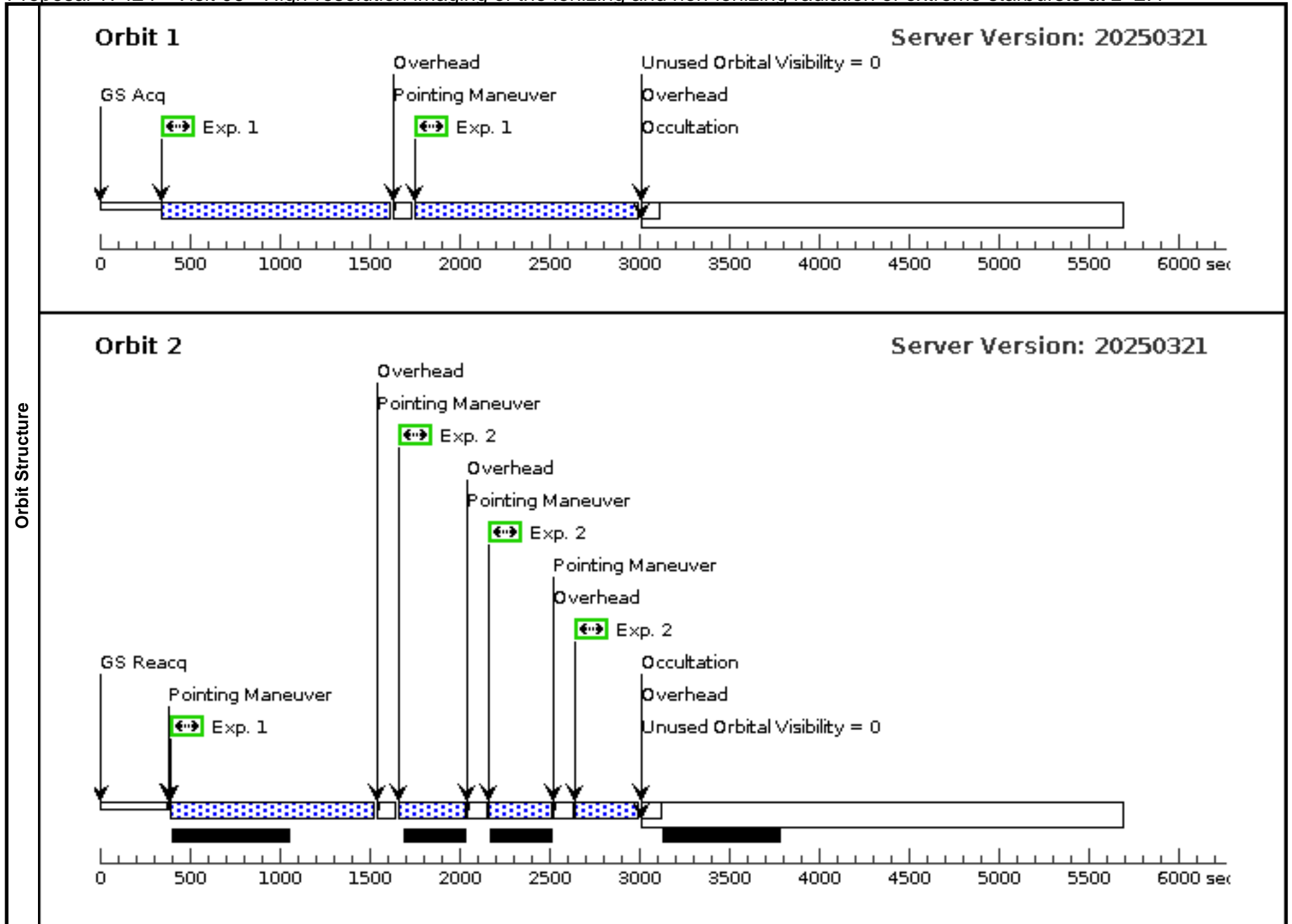




Proposal 17424 - Visit 06 - High-resolution imaging of the ionizing and non-ionizing radiation of extreme starbursts at z~2.4

Mon May 19 14:00:59 GMT 2025

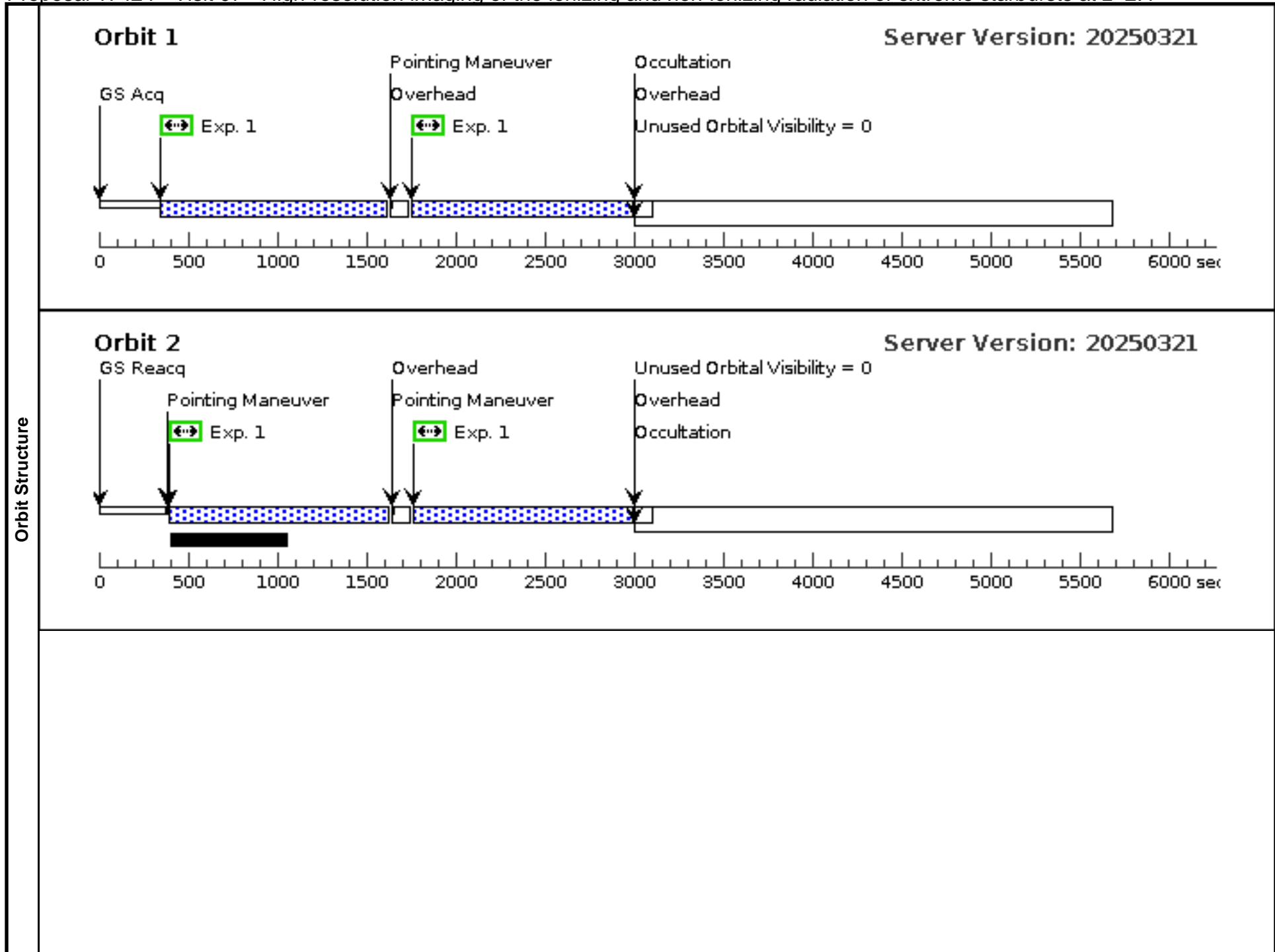
Visit	Proposal 17424, Visit 06, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=1.5 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1)						
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=1.5 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(6)	J1220+0842	RA: 12 20 40.7200 (185.1696667d) Dec: +08 42 38.14 (8.71059d) Equinox: J2000		V=20.8	Reference Frame: ICRS				
<i>Comments:</i> Category=GALAXY Description=[STARBURST]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(6) J1220+0842	WFC3/UVIS, ACCUM, UVIS2-C1K1C-CTE	F275W	FLASH=14			Pattern 1, Exps 1-1 in Visit 06 (1)	1268 Secs (3627 Secs) [==>1245 Secs (Pattern 1)] [==>1246.0 Secs (Pattern 2)] [==>1136.0 Secs (Pattern 3)]
2		(6) J1220+0842	WFC3/UVIS, ACCUM, UVIS2-C1K1C-CTE	F606W	FLASH=3			Pattern 3, Exps 2-2 in Visit 06 (3)	350 Secs (1050 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[2]

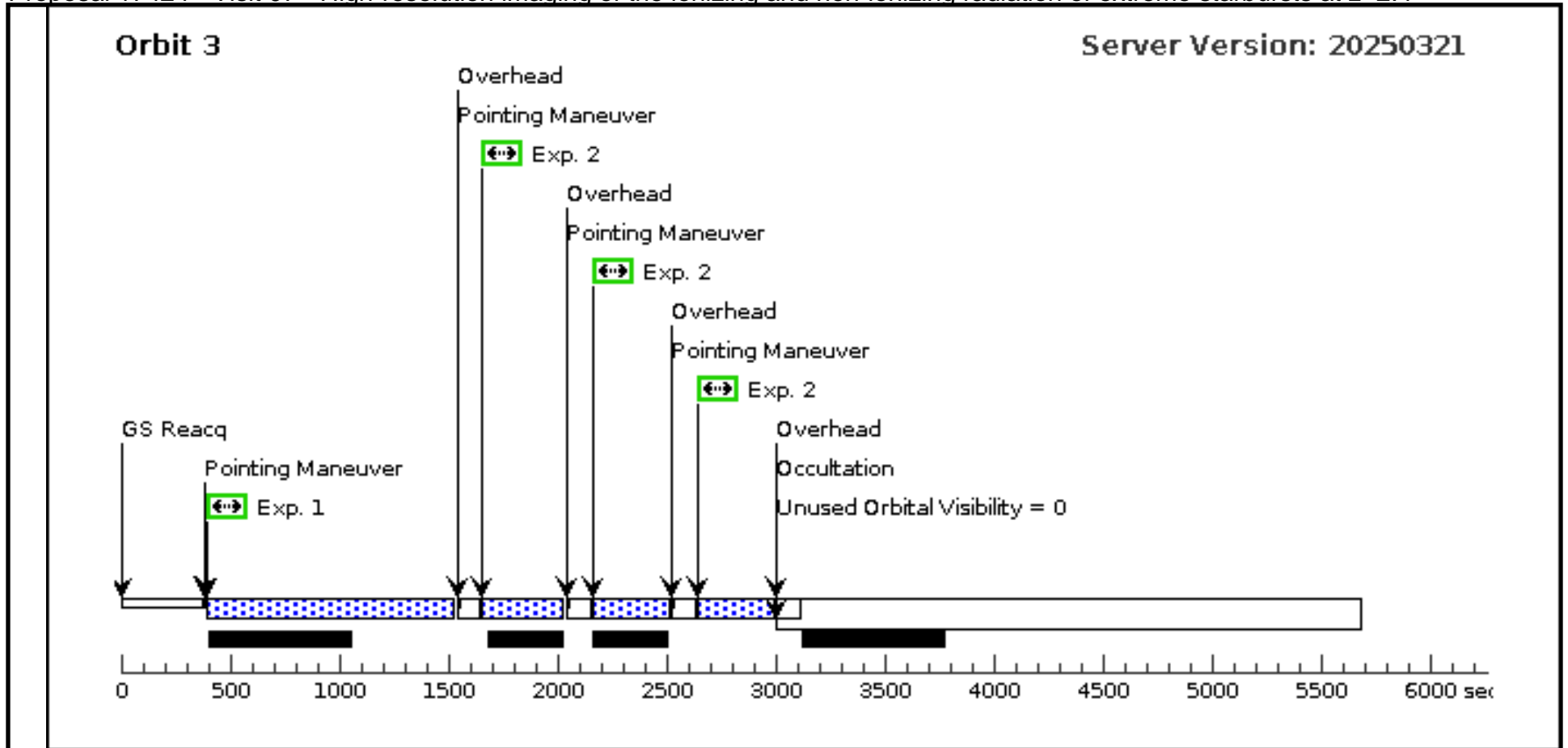


Proposal 17424 - Visit 07 - High-resolution imaging of the ionizing and non-ionizing radiation of extreme starbursts at z~2.4

Mon May 19 14:00:59 GMT 2025

Visit	Proposal 17424, Visit 07, failed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	Patterns	#	Primary Pattern				Secondary Pattern			Exposures
(3)		Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=1.5 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false				(2)			
(4)		Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=5 Point Spacing=1.5 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false				(1)			
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(7)	J1220-0051	RA: 12 20 12.6200 (185.0525833d) Dec: -00 51 3.27 (-.85091d) Equinox: J2000		V=21.7	Reference Frame: ICRS				
	<i>Comments:</i> Category=GALAXY Description=[STARBURST]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(7) J1220-0051	WFC3/UVIS, ACCUM, UVIS2-C1K1C-CTE	F275W	FLASH=14	GS ACQ SCENARIO BASE103	Pattern 4, Exps 1-1 in Visit 07 (4)	1268 Secs (6082 Secs)	
									[==>1243.0 Secs (Pattern 1)]	[1]
									[==>1243.0 Secs (Pattern 2)]	
									[==>1232.0 Secs (Pattern 3)]	[2]
									[==>1233.0 Secs (Pattern 4)]	
								[==>1131.0 Secs (Pattern 5)]	[3]	
2		(7) J1220-0051	WFC3/UVIS, ACCUM, UVIS2-C1K1C-CTE	F606W	FLASH=3		Pattern 3, Exps 2-2 in Visit 07 (3)	350 Secs (1050 Secs)		
								[==>(Pattern 1)]		
								[==>(Pattern 2)]	[3]	
								[==>(Pattern 3)]		





Proposal 17424 - HOPR (Z7) - High-resolution imaging of the ionizing and non-ionizing radiation of extreme starbursts at z~2.4

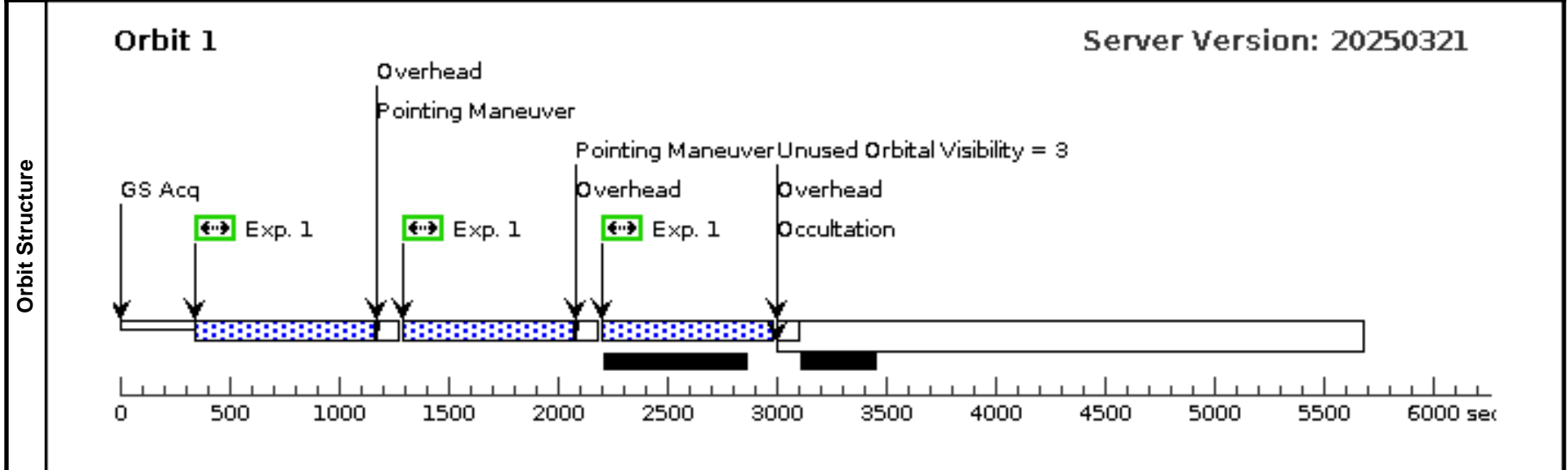
Mon May 19 14:00:59 GMT 2025

Visit	Proposal 17424, HOPR (Z7), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none) <i>Comments: This is a HOPR repeat for failed visit 07</i>		

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=1.5 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1)

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(7)	J1220-0051	RA: 12 20 12.6200 (185.0525833d) Dec: -00 51 3.27 (-.85091d) Equinox: J2000		V=21.7	Reference Frame: ICRS
	<i>Comments: Category=GALAXY Description=[STARBURST]</i>					

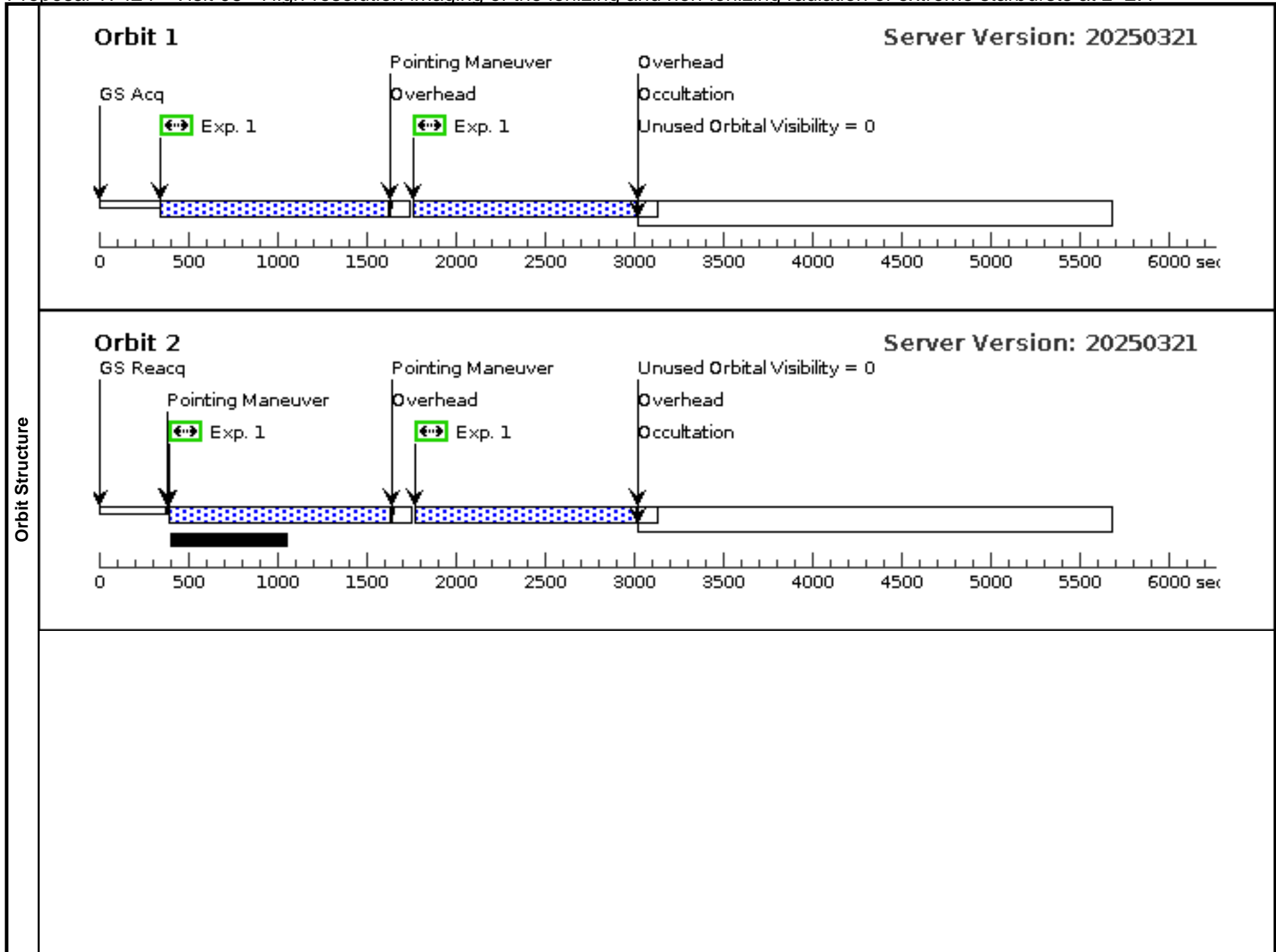
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(7) J1220-0051	WFC3/UVIS, ACCUM, UVIS2-C1K1C-CTE	F606W			Pattern 3, Exps 1-1 in HOPR (Z7) (3)	786 Secs (2358 Secs)	
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]

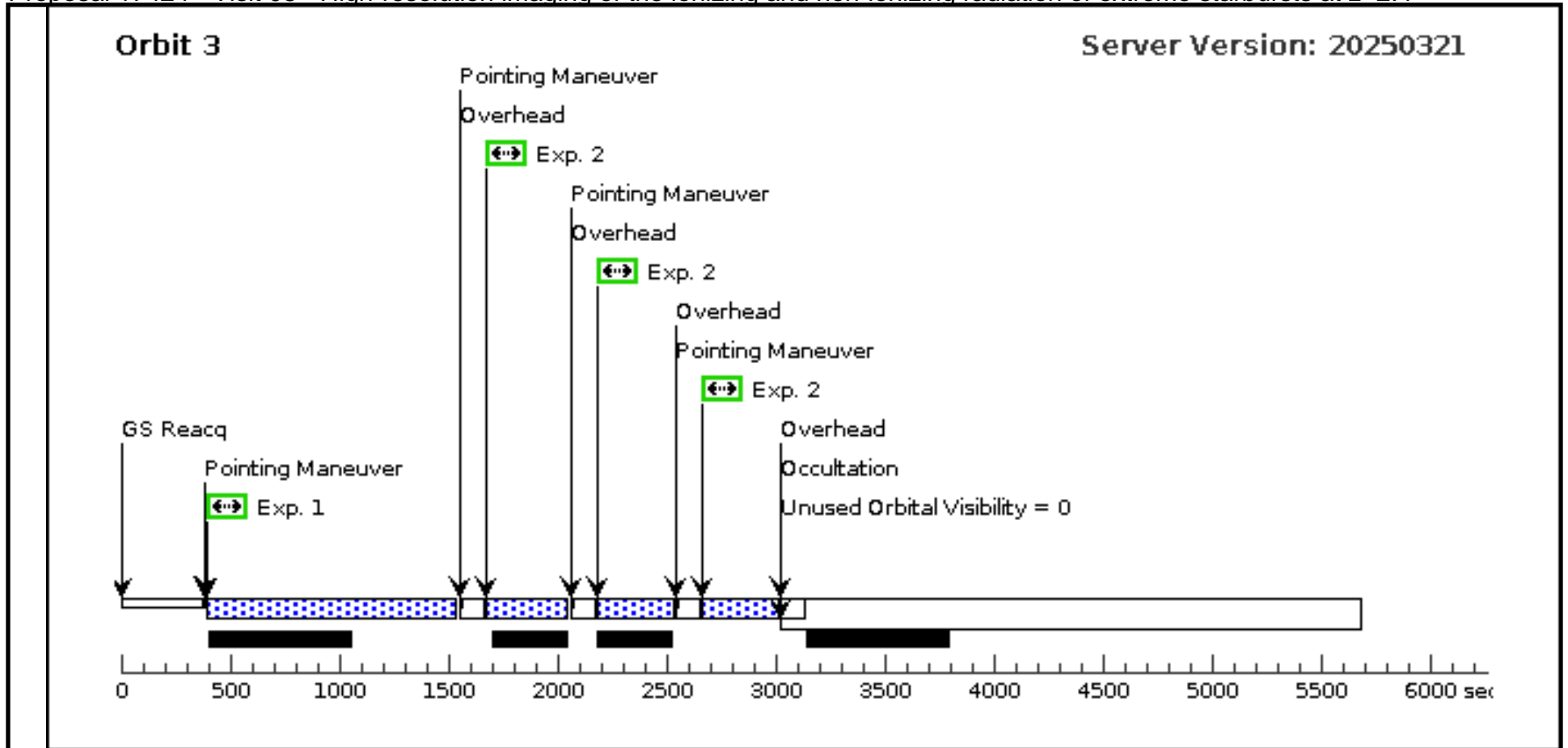


Proposal 17424 - Visit 08 - High-resolution imaging of the ionizing and non-ionizing radiation of extreme starbursts at z~2.4

Mon May 19 14:00:59 GMT 2025

Visit	Proposal 17424, Visit 08, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=1.5 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(2)						
	(4)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=5 Point Spacing=1.5 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(8)	J1249+1550	RA: 12 49 40.7600 (192.4198333d) Dec: +15 50 54.47 (15.84846d) Equinox: J2000		V=21.7	Reference Frame: ICRS				
<i>Comments:</i> Category=GALAXY Description=[STARBURST]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(8) J1249+1550	WFC3/UVIS, ACCUM, UVIS2-C1K1C-CTE	F225W	FLASH=13			Pattern 4, Exps 1-1 in Visit 08 (4) 1268 Secs (6119 Secs) [==>1249.0 Secs (Pattern 1)] [==>1250.0 Secs (Pattern 2)] [==>1239.0 Secs (Pattern 3)] [==>1239.0 Secs (Pattern 4)] [==>1142.0 Secs (Pattern 5)]	[1] [2] [3]
2		(8) J1249+1550	WFC3/UVIS, ACCUM, UVIS2-C1K1C-CTE	F555W	FLASH=7			Pattern 3, Exps 2-2 in Visit 08 (3) 350 Secs (1044 Secs) [==>348.0 Secs (Pattern 1)] [==>348.0 Secs (Pattern 2)] [==>348.0 Secs (Pattern 3)]	[3]	





Proposal 17424 - Visit 09 - High-resolution imaging of the ionizing and non-ionizing radiation of extreme starbursts at z~2.4

Mon May 19 14:00:59 GMT 2025

Visit	Proposal 17424, Visit 09, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	(Visit 09) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Visit 09) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Diagnosics										
Patterns	#	Primary Pattern	Secondary Pattern		Exposures					
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=1.5 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false			(1)					
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=1.5 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false			(2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(9)	J1415+2036	RA: 14 15 41.3900 (213.9224583d) Dec: +20 36 56.36 (20.61566d) Equinox: J2000		V=21.5	Reference Frame: ICRS				
Comments: Category=GALAXY Description=[STARBURST]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(9) J1415+2036	(9) J1415+2036	WFC3/UVIS, ACCUM, UVIS2-C1K1C-CTE	F225W	FLASH=13		Pattern 1, Exps 1-1 in Visit 09 (1)	1268 Secs (3878 Secs)	
									[==>1306.0 Secs (Pattern 1)]	[1]
									[==>1306.0 Secs (Pattern 2)]	[2]
									[==>1266.0 Secs (Pattern 3)]	[2]
2	(9) J1415+2036	(9) J1415+2036	WFC3/UVIS, ACCUM, UVIS2-C1K1C-CTE	F555W	FLASH=7		Pattern 3, Exps 2-2 in Visit 09 (3)	350 Secs (1044 Secs)		
								[==>348.0 Secs (Pattern 1)]		
								[==>348.0 Secs (Pattern 2)]	[2]	
								[==>348.0 Secs (Pattern 3)]		

