



17598 - The globular clusters of Dragonfly 44

Cycle: 31, Proposal Category: GO

(Availability Mode: SUPPORTED)

INVESTIGATORS

<i>Name</i>	<i>Institution</i>
Prof. Pieter van Dokkum (PI) (Contact)	Yale University
Prof. Roberto G. Abraham (CoI) (CSA Member)	University of Toronto
Prof. Aaron Romanowsky (CoI)	San Jose State Univ. Research Foundation
Dr. Shany Danieli (CoI)	Tel Aviv University

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) DRAGONFLY-44	WFC3/UVIS	2	24-Mar-2025 07:00:11.0	yes
02	(1) DRAGONFLY-44	WFC3/UVIS	2	24-Mar-2025 07:00:12.0	yes
03	(1) DRAGONFLY-44	WFC3/UVIS	2	24-Mar-2025 07:00:12.0	yes
04	(1) DRAGONFLY-44	WFC3/UVIS	2	24-Mar-2025 07:00:12.0	yes
05	(1) DRAGONFLY-44	WFC3/UVIS	2	24-Mar-2025 07:00:13.0	yes
51	(1) DRAGONFLY-44	WFC3/UVIS	2	24-Mar-2025 07:00:13.0	yes
52	(1) DRAGONFLY-44	WFC3/UVIS	2	24-Mar-2025 07:00:14.0	yes
53	(1) DRAGONFLY-44	WFC3/UVIS	2	24-Mar-2025 07:00:14.0	yes
54	(1) DRAGONFLY-44	WFC3/UVIS	2	24-Mar-2025 07:00:14.0	yes
55	(1) DRAGONFLY-44	WFC3/UVIS	2	24-Mar-2025 07:00:15.0	yes
06	(1) DRAGONFLY-44	WFC3/UVIS	2	24-Mar-2025 07:00:15.0	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>
07	(1) DRAGONFLY-44	WFC3/UVIS	1	24-Mar-2025 07:00:15.0	yes

23 Total Orbits Used

ABSTRACT

Ultra diffuse galaxies (UDGs) are large, low surface brightness objects that were first identified in significant numbers in the Coma cluster. One of the most striking aspects of the UDGs in Coma is that they appear to host many globular clusters, up to 7x the number that is expected from their luminosities. The record holder is Dragonfly 44, one of the largest and best-studied UDGs, with 74 clusters found in 3 orbit-depth HST data. The high globular cluster counts have been interpreted as evidence for overly massive dark matter halos, and also as an important clue to understand their formation. However, recently these results have been thrown in doubt, as a re-analysis of the same HST data found only 18 clusters in Dragonfly 44 and similar downward revisions for other UDGs. A special session at a UDG conference this summer indicated that these large differences can be traced to different assumptions and methodologies that are applied to relatively shallow data. Here we propose to obtain a definitive measurement of the globular cluster luminosity function in Dragonfly 44, making use of the superb long pass filters of WFC3/UVIS. A 13-orbit white light UVIS image reaches the equivalent point source depth of a 30-orbit ACS/F606W image, and we show with simulated data that we can securely identify clusters down to ~ 2 magnitudes below the peak of the luminosity function. This program will resolve an ongoing dispute that is hampering progress in the study of UDGs. It came to the fore in the summer of 2023, after the most recent regular proposal deadline.

OBSERVING DESCRIPTION

In visits 1-6 the galaxy will be observed with 4 dithered exposures in 2 orbits per visit. Visit 7 is a single orbit, with 2 exposures. In the reduction all 13 orbits, and 26 exposures, will be combined, so having 1 visit with only 2 exposures should not impact the quality of the reduction. (The alternative was to have 5 visits with 2 orbits and 1 visit with 3 orbits, but that could impact scheduling flexibility.)

Visits 1-3 use F200LP, and visits 4-7 use F350LP.

The size of the object is 10", and the dither box size is 25". This makes it possible to construct and subtract the local background. The sampling of the PSF will be fine, as each of the 7 visits will have a random subpixel offset with respect to the others.

No post-flash is needed as the F200LP and F350LP filters provide more than enough counts per exposure.

UPDATE for visits 51-55:

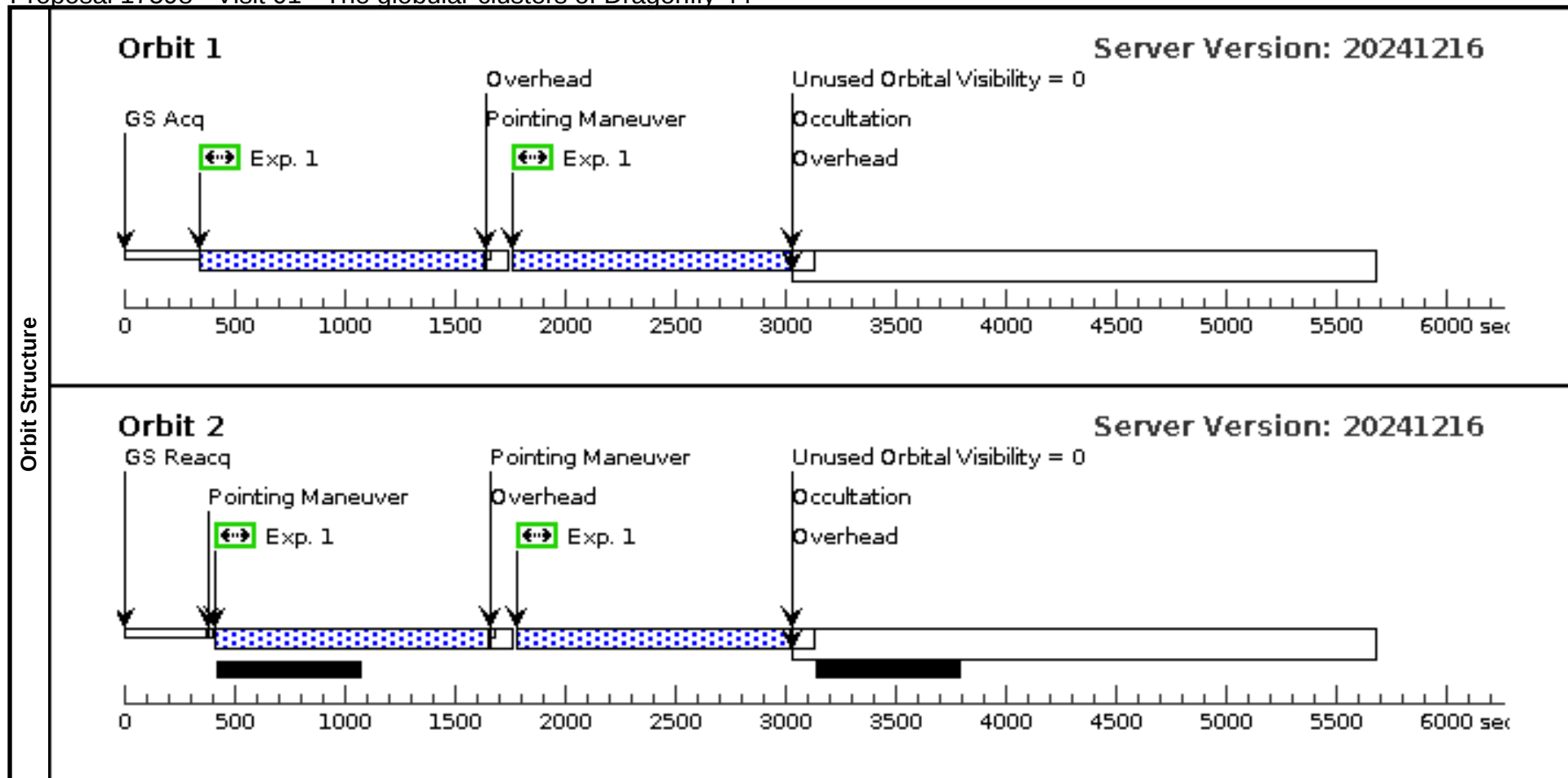
Visits 1-7 all suffered from the same anomaly, loss of lock after the first exposure. The probability of this failure may have been increased due to the large 25" dithers between exposures. Therefore, for repeat visits 51-55, the dither pattern was changed to the standard small offsets of WFC3-UVIS-DITHER-BOX.

We are only using F350LP in these repeat observations, to ensure that we have a sufficient number of exposures in the same filter, should the anomaly re-occur.

(F200LP and F350LP have to be drizzled separately, as they have slightly different sensitivity curves beyond 350 nm).

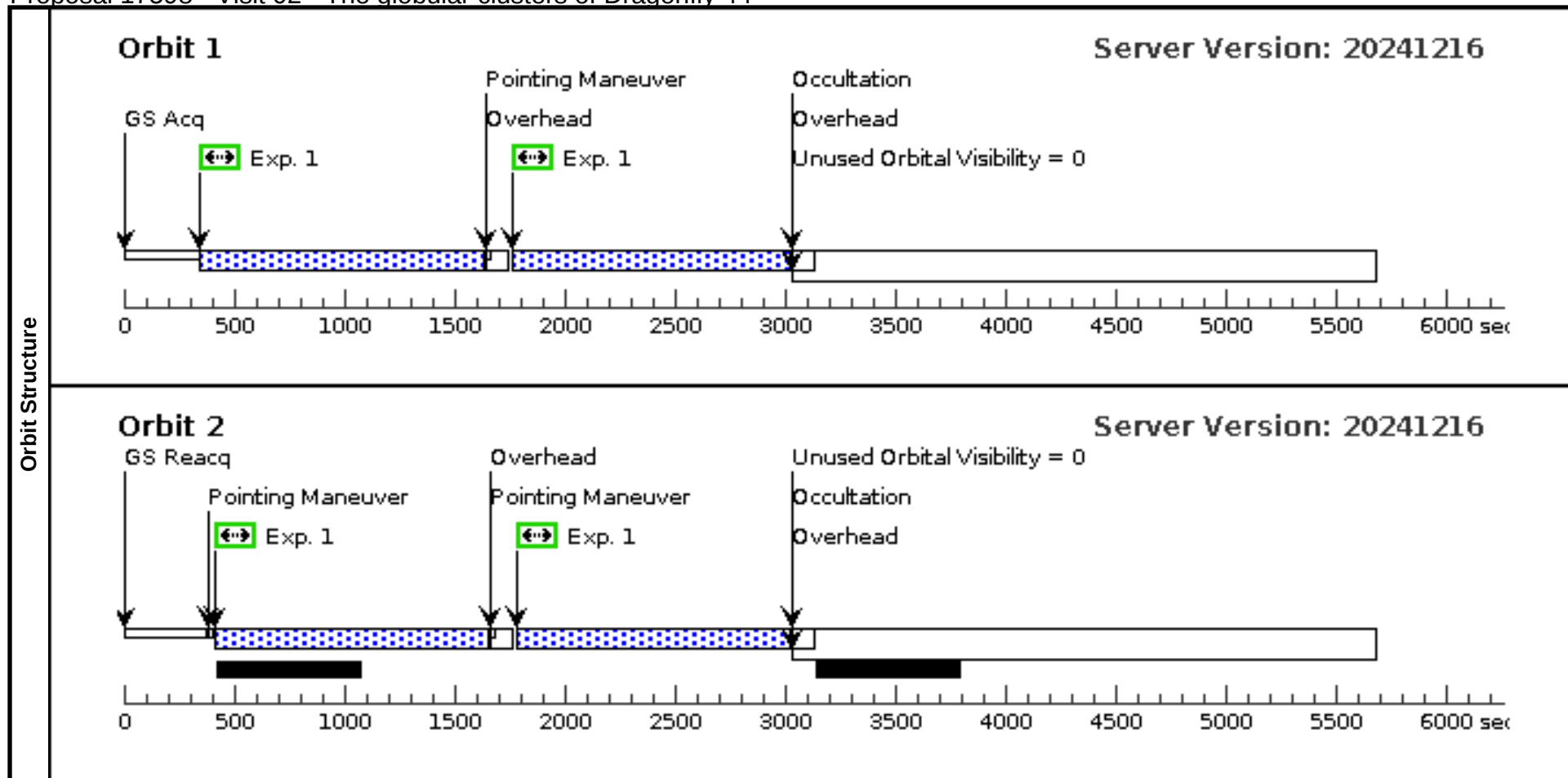
Proposal 17598 - Visit 01 - The globular clusters of Dragonfly 44

Visit	Proposal 17598, Visit 01, failed										Mon Mar 24 11:00:16 GMT 2025	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/UVIS											
	Special Requirements: (none)											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures		
	(1)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=BACKGROUND Number Of Points=4 Point Spacing=25 Line Spacing=25				Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=true				(1)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(1)	DRAGONFLY-44	RA: 13 00 58.0000 (195.2416667d) Dec: +26 58 35.00 (26.97639d) Equinox: J2000				V=25		Reference Frame: ICRS			
	Comments: Category=GALAXY Description=[DWARF SPHEROIDAL] Extended=YES											
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) DRAGONFLY-44	WFC3/UVIS, ACCUM, UVIS2		F200LP			Pattern 1, Exps 1-1 in Visit 01 (1)	1000 Secs (4994 Secs)		
			4							[==>1258.0 Secs (Pattern 1)]		[1]
										[==>1258.0 Secs (Pattern 2)]		
										[==>1239.0 Secs (Pattern 3)]		[2]
									[==>1239.0 Secs (Pattern 4)]			



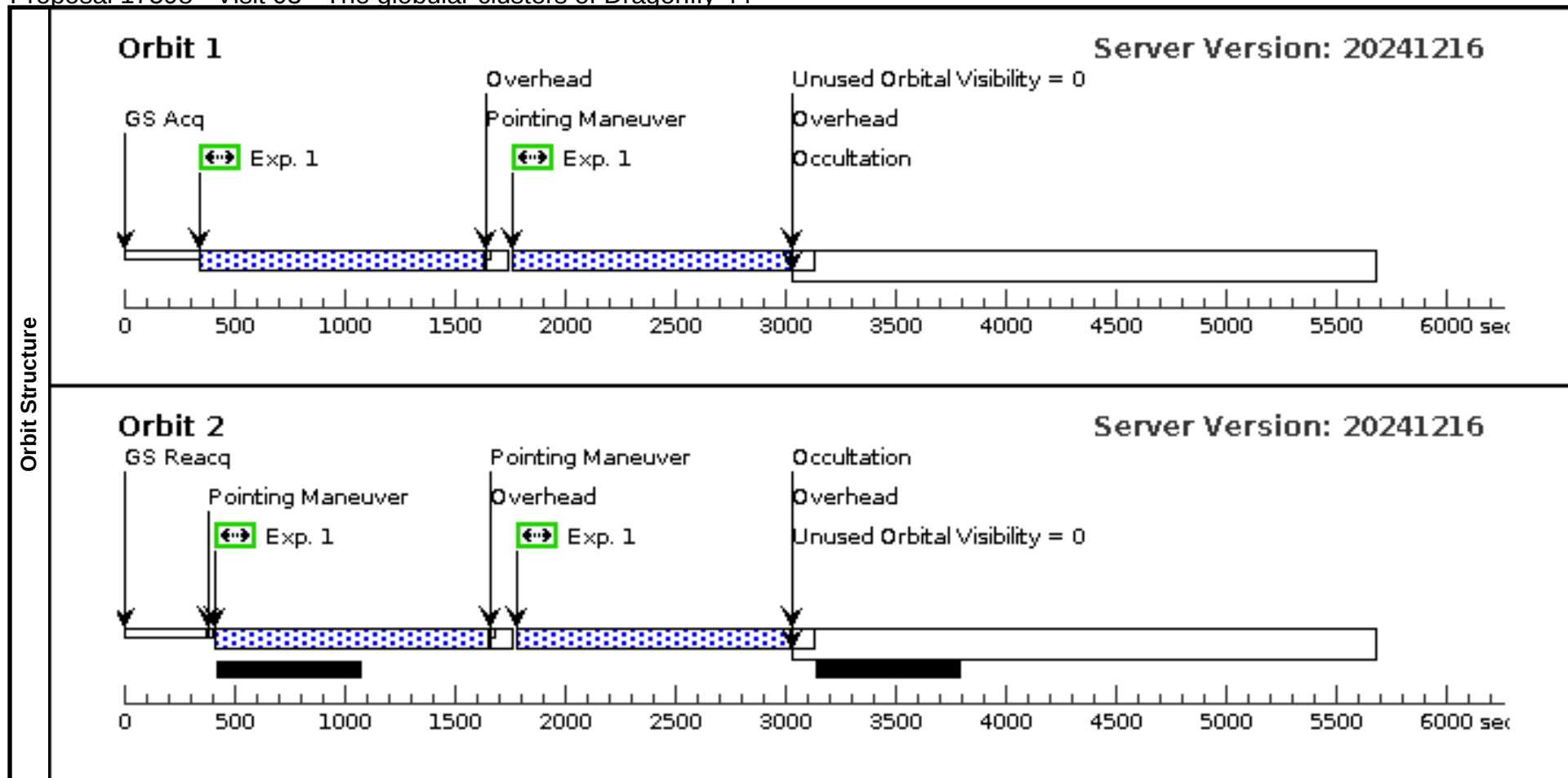
Proposal 17598 - Visit 02 - The globular clusters of Dragonfly 44

Visit	Proposal 17598, Visit 02, failed										Mon Mar 24 11:00:16 GMT 2025	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/UVIS											
	Special Requirements: (none)											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures		
	(1)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=BACKGROUND Number Of Points=4 Point Spacing=25 Line Spacing=25				Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=true				(1)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(1)	DRAGONFLY-44	RA: 13 00 58.0000 (195.2416667d) Dec: +26 58 35.00 (26.97639d) Equinox: J2000				V=25		Reference Frame: ICRS			
Comments: Category=GALAXY Description=[DWARF SPHEROIDAL] Extended=YES												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) DRAGONFLY-4	WFC3/UVIS, ACCUM, UVIS2		F200LP			Pattern 1, Exps 1-1 i	1000 Secs (4994 Secs)		
			4						n Visit 02 (1)	[==>1258.0 Secs (Pattern 1)]		
										[==>1258.0 Secs (Pattern 2)]		[1]
										[==>1239.0 Secs (Pattern 3)]		
										[==>1239.0 Secs (Pattern 4)]		[2]



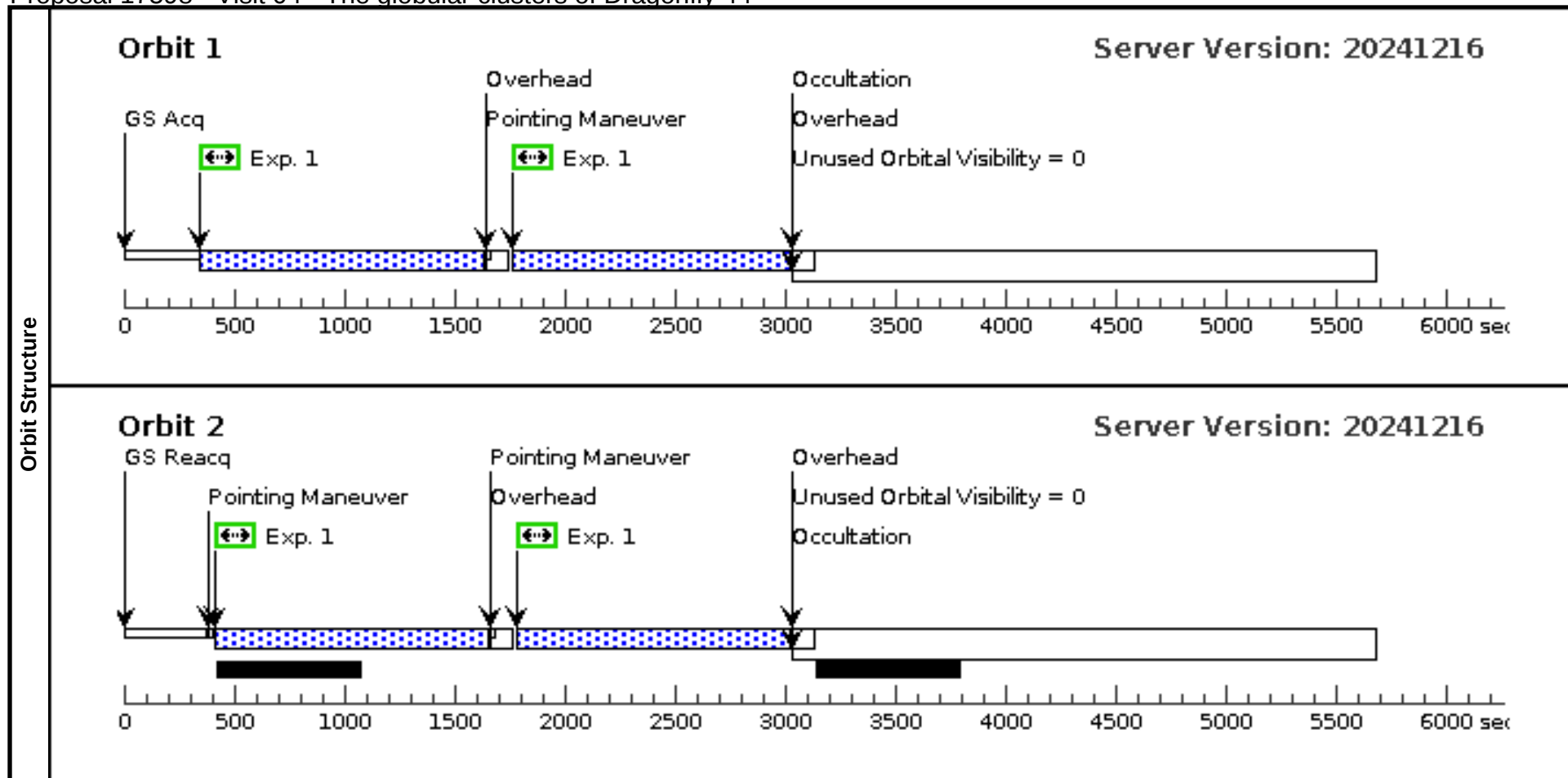
Proposal 17598 - Visit 03 - The globular clusters of Dragonfly 44

Visit	Proposal 17598, Visit 03, failed										Mon Mar 24 11:00:16 GMT 2025	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/UVIS											
	Special Requirements: (none)											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures		
	(1)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=BACKGROUND Number Of Points=4 Point Spacing=25 Line Spacing=25		Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=true						(1)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(1)	DRAGONFLY-44	RA: 13 00 58.0000 (195.2416667d) Dec: +26 58 35.00 (26.97639d) Equinox: J2000				V=25		Reference Frame: ICRS			
Comments: Category=GALAXY Description=[DWARF SPHEROIDAL] Extended=YES												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) DRAGONFLY-44	WFC3/UVIS, ACCUM, UVIS2		F200LP			Pattern 1, Exps 1-1 in Visit 03 (1)	1000 Secs (4994 Secs)		
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										[==>1258.0 Secs (Pattern 2)]		
										[==>1239.0 Secs (Pattern 3)]		[2]
									[==>1239.0 Secs (Pattern 4)]			



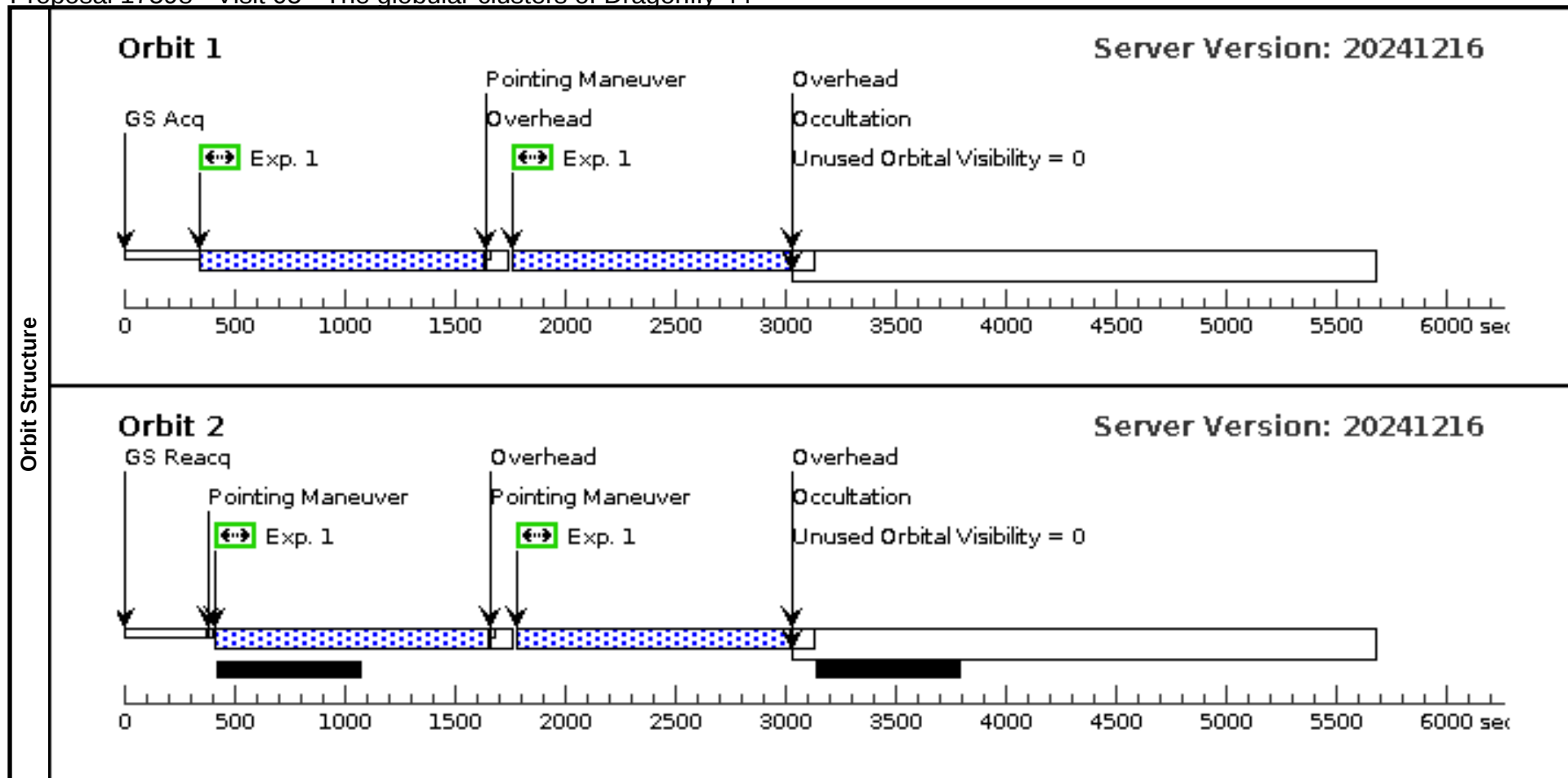
Proposal 17598 - Visit 04 - The globular clusters of Dragonfly 44

Visit	Proposal 17598, Visit 04, failed										Mon Mar 24 11:00:16 GMT 2025	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/UVIS											
	Special Requirements: (none)											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures		
	(1)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=BACKGROUND Number Of Points=4 Point Spacing=25 Line Spacing=25		Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=true						(1)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(1)	DRAGONFLY-44	RA: 13 00 58.0000 (195.2416667d) Dec: +26 58 35.00 (26.97639d) Equinox: J2000				V=25		Reference Frame: ICRS			
Comments: Category=GALAXY Description=[DWARF SPHEROIDAL] Extended=YES												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) DRAGONFLY-4	WFC3/UVIS, ACCUM, UVIS2		F350LP			Pattern 1, Exps 1-1 i	1000 Secs (4994 Secs)		
			4						n Visit 04 (1)	[==>1258.0 Secs (Pattern 1)]		
										[==>1258.0 Secs (Pattern 2)]		[1]
										[==>1239.0 Secs (Pattern 3)]		
										[==>1239.0 Secs (Pattern 4)]		[2]



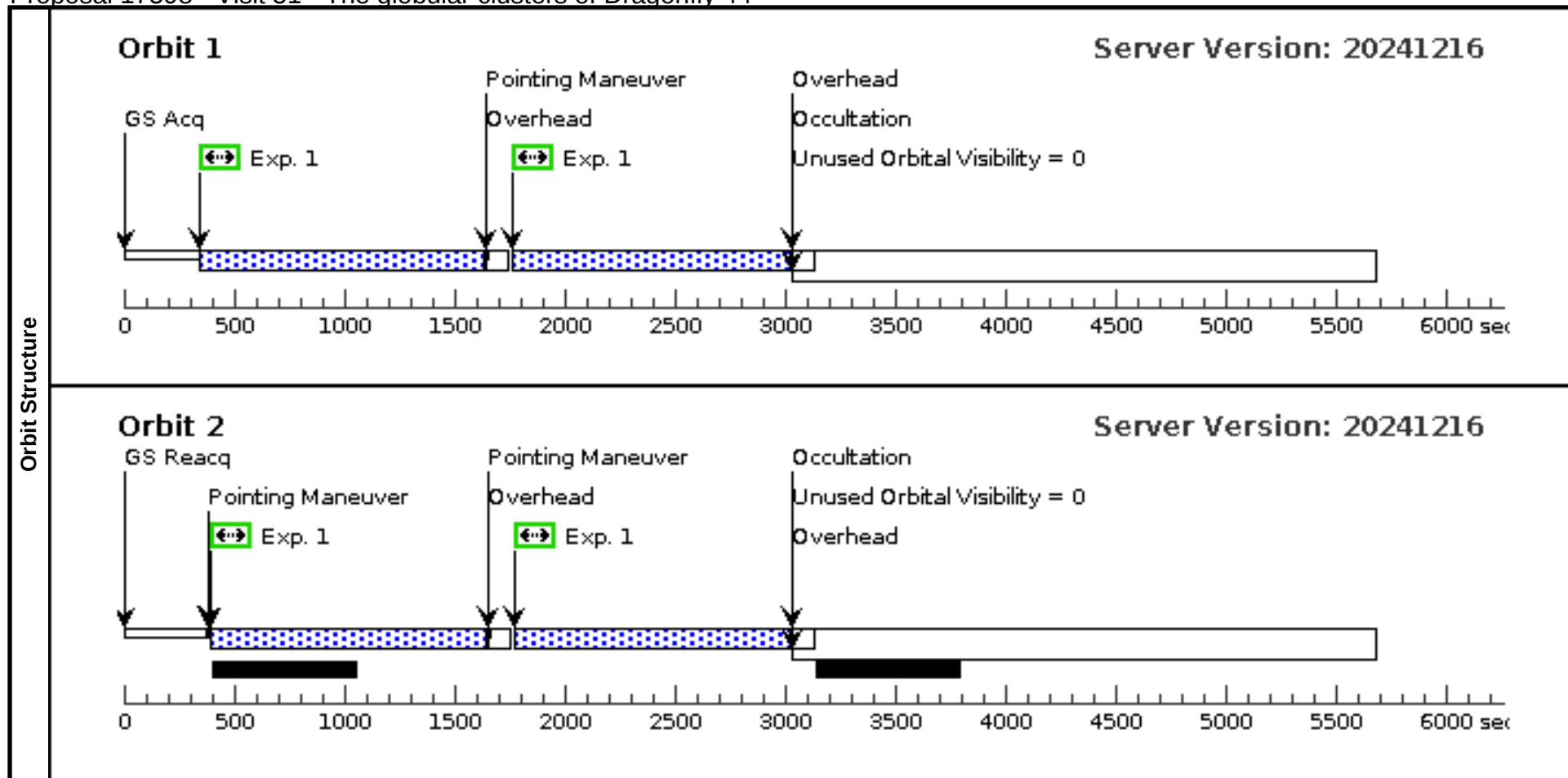
Proposal 17598 - Visit 05 - The globular clusters of Dragonfly 44

Visit	Proposal 17598, Visit 05, failed										Mon Mar 24 11:00:16 GMT 2025		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/UVIS												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=BACKGROUND Number Of Points=4 Point Spacing=25 Line Spacing=25					Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=true					(1)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(1)	DRAGONFLY-44		RA: 13 00 58.0000 (195.2416667d) Dec: +26 58 35.00 (26.97639d) Equinox: J2000				V=25		Reference Frame: ICRS			
Comments: Category=GALAXY Description=[DWARF SPHEROIDAL] Extended=YES													
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(1) DRAGONFLY-44	WFC3/UVIS, ACCUM, UVIS2		F350LP			Pattern 1, Exps 1-1 in Visit 05 (1)	1000 Secs (4994 Secs)			
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										[==>1258.0 Secs (Pattern 2)]			
										[==>1239.0 Secs (Pattern 3)]		[2]	
									[==>1239.0 Secs (Pattern 4)]				



Proposal 17598 - Visit 51 - The globular clusters of Dragonfly 44

Visit	Proposal 17598, Visit 51, implementation										Mon Mar 24 11:00:16 GMT 2025	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/UVIS											
	Special Requirements: (none)											
	Comments: HOPR repeat of visit 01.											
Patterns	#	Primary Pattern					Secondary Pattern				Exposures	
	(3)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112			Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false						(1)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(1)	DRAGONFLY-44	RA: 13 00 58.0000 (195.2416667d) Dec: +26 58 35.00 (26.97639d) Equinox: J2000				V=25		Reference Frame: ICRS			
	Comments: Category=GALAXY Description=[DWARF SPHEROIDAL] Extended=YES											
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) DRAGONFLY-44	WFC3/UVIS, ACCUM, UVIS2		F350LP			Pattern 3, Exps 1-1 in Visit 51 (3)	1000 Secs (5012 Secs)		
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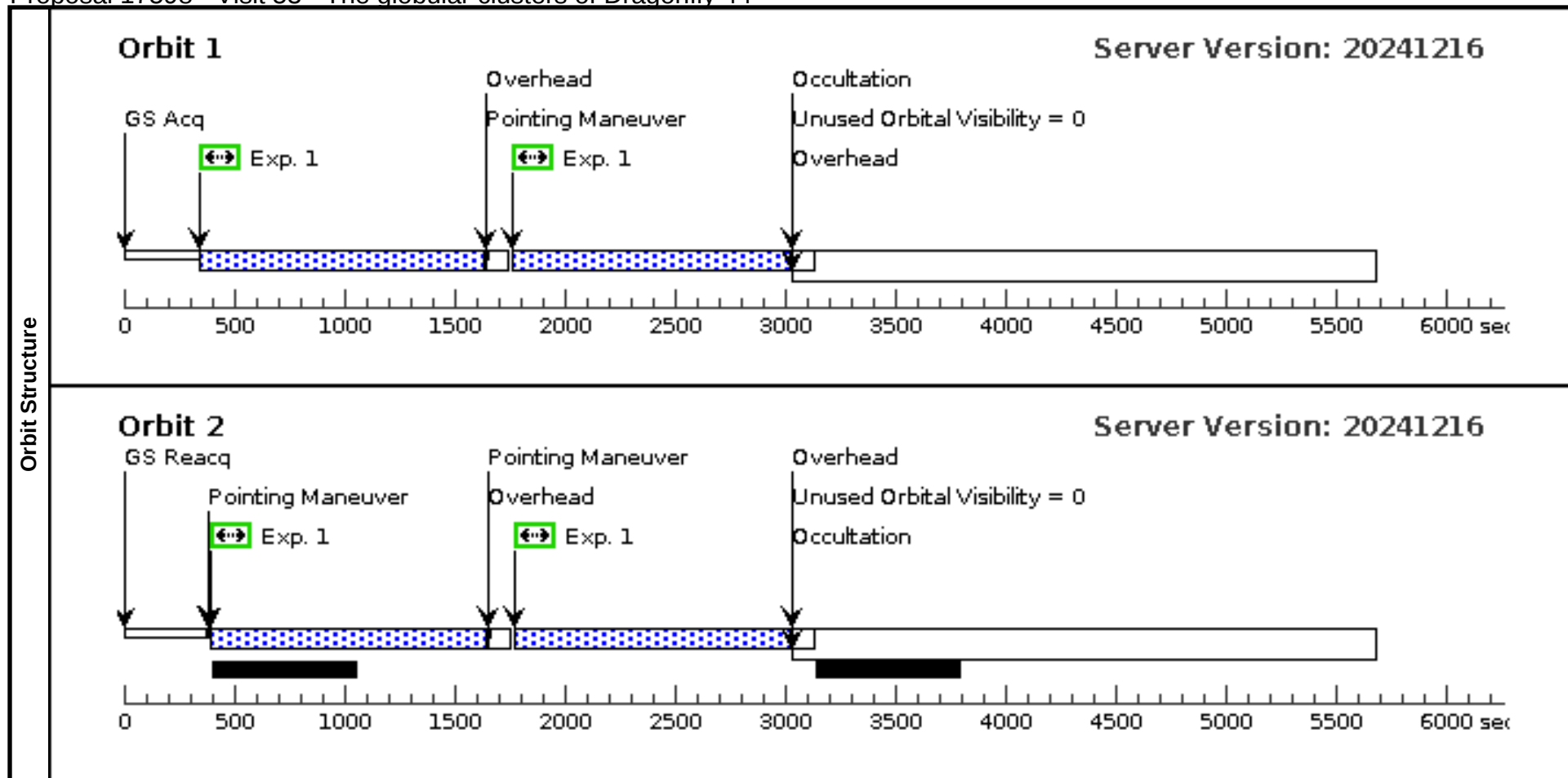
Proposal 17598 - Visit 52 - The globular clusters of Dragonfly 44

Visit	Proposal 17598, Visit 52, implementation										Mon Mar 24 11:00:16 GMT 2025	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/UVIS											
	Special Requirements: (none)											
	Comments: HOPR repeat of visit 02.											
Patterns	#	Primary Pattern					Secondary Pattern				Exposures	
	(3)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112			Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false						(1)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(1)	DRAGONFLY-44	RA: 13 00 58.0000 (195.2416667d) Dec: +26 58 35.00 (26.97639d) Equinox: J2000				V=25		Reference Frame: ICRS			
	Comments: Category=GALAXY Description=[DWARF SPHEROIDAL] Extended=YES											
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) DRAGONFLY-44	WFC3/UVIS, ACCUM, UVIS2		F350LP			Pattern 3, Exps 1-1 in Visit 52 (3)	1000 Secs (5012 Secs)		
			4							[==>1258.0 Secs (Pattern 1)] [==>1258.0 Secs (Pattern 2)]		[1]
										[==>1248.0 Secs (Pattern 3)] [==>1248.0 Secs (Pattern 4)]		[2]



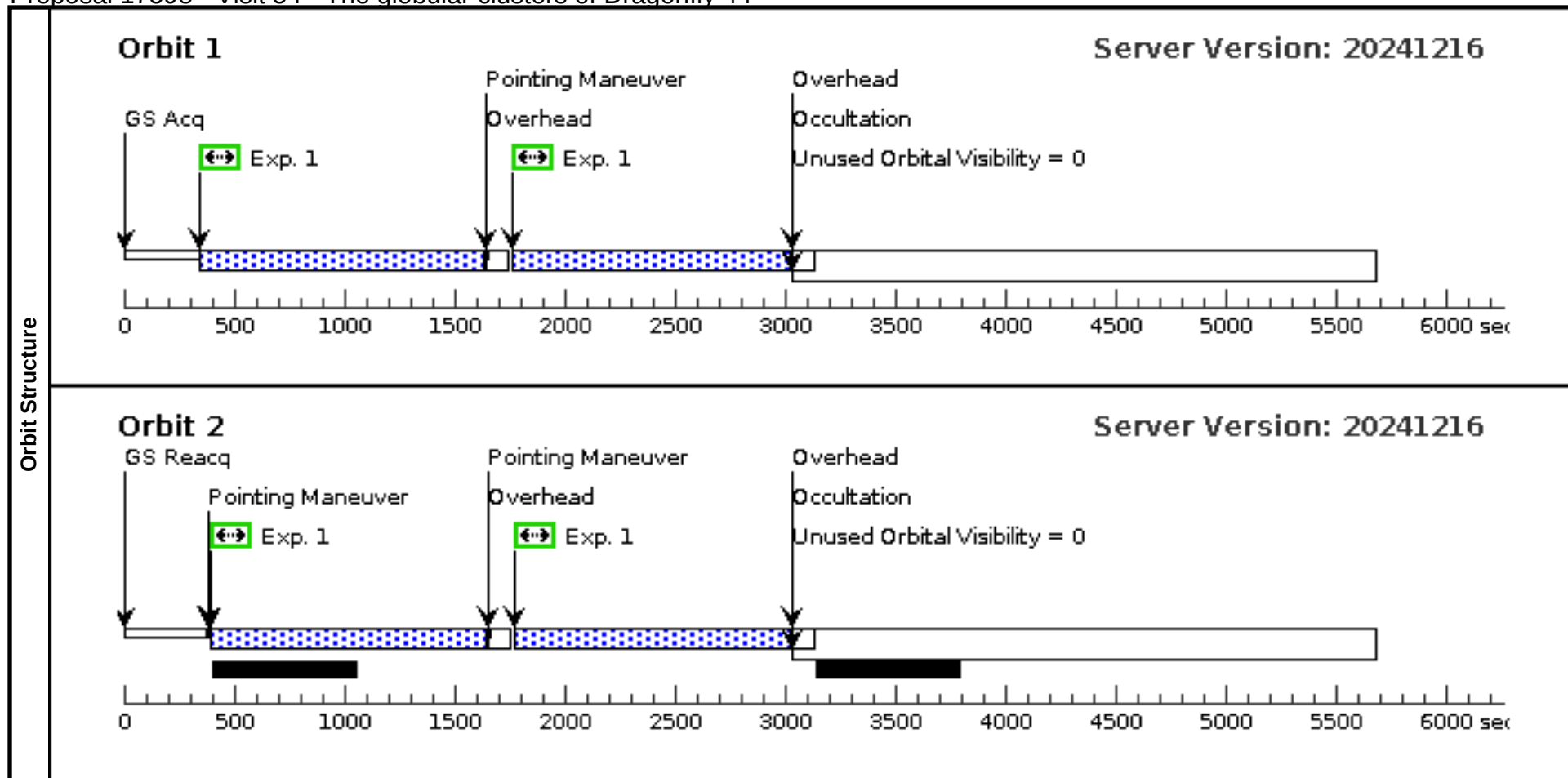
Proposal 17598 - Visit 53 - The globular clusters of Dragonfly 44

Visit	Proposal 17598, Visit 53, implementation										Mon Mar 24 11:00:16 GMT 2025	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/UVIS											
	Special Requirements: (none)											
	Comments: HOPR repeat of visit 03											
Patterns	#	Primary Pattern					Secondary Pattern				Exposures	
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Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(1)	DRAGONFLY-44	RA: 13 00 58.0000 (195.2416667d) Dec: +26 58 35.00 (26.97639d) Equinox: J2000				V=25		Reference Frame: ICRS			
	Comments: Category=GALAXY Description=[DWARF SPHEROIDAL] Extended=YES											
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) DRAGONFLY-44	WFC3/UVIS, ACCUM, UVIS2		F350LP			Pattern 3, Exps 1-1 in Visit 53 (3)	1000 Secs (5012 Secs)		
			4							[==>1258.0 Secs (Pattern 1)]		[1]
										[==>1258.0 Secs (Pattern 2)]		
										[==>1248.0 Secs (Pattern 3)]		[2]
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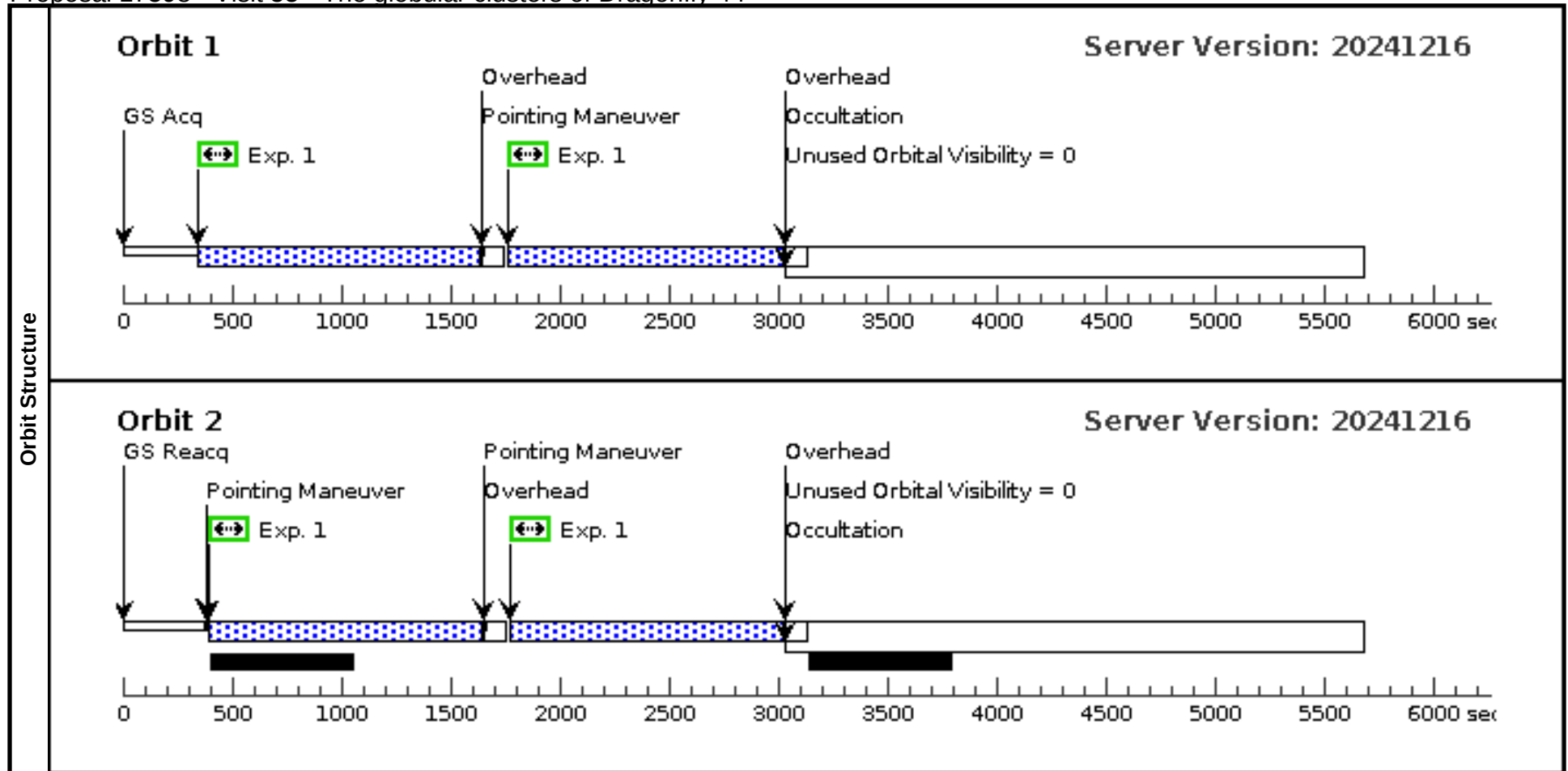
Proposal 17598 - Visit 54 - The globular clusters of Dragonfly 44

Visit	Proposal 17598, Visit 54, implementation										Mon Mar 24 11:00:16 GMT 2025	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/UVIS											
	Special Requirements: (none)											
	Comments: HOPR repeat of visit 04.											
Patterns	#	Primary Pattern					Secondary Pattern				Exposures	
	(3)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112			Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false						(1)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(1)	DRAGONFLY-44	RA: 13 00 58.0000 (195.2416667d) Dec: +26 58 35.00 (26.97639d) Equinox: J2000				V=25		Reference Frame: ICRS			
	Comments: Category=GALAXY Description=[DWARF SPHEROIDAL] Extended=YES											
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) DRAGONFLY-44	WFC3/UVIS, ACCUM, UVIS2		F350LP			Pattern 3, Exps 1-1 in Visit 54 (3)	1000 Secs (5012 Secs)		
			4							[==>1258.0 Secs (Pattern 1)]		[1]
										[==>1258.0 Secs (Pattern 2)]		
										[==>1248.0 Secs (Pattern 3)]		
										[==>1248.0 Secs (Pattern 4)]		[2]



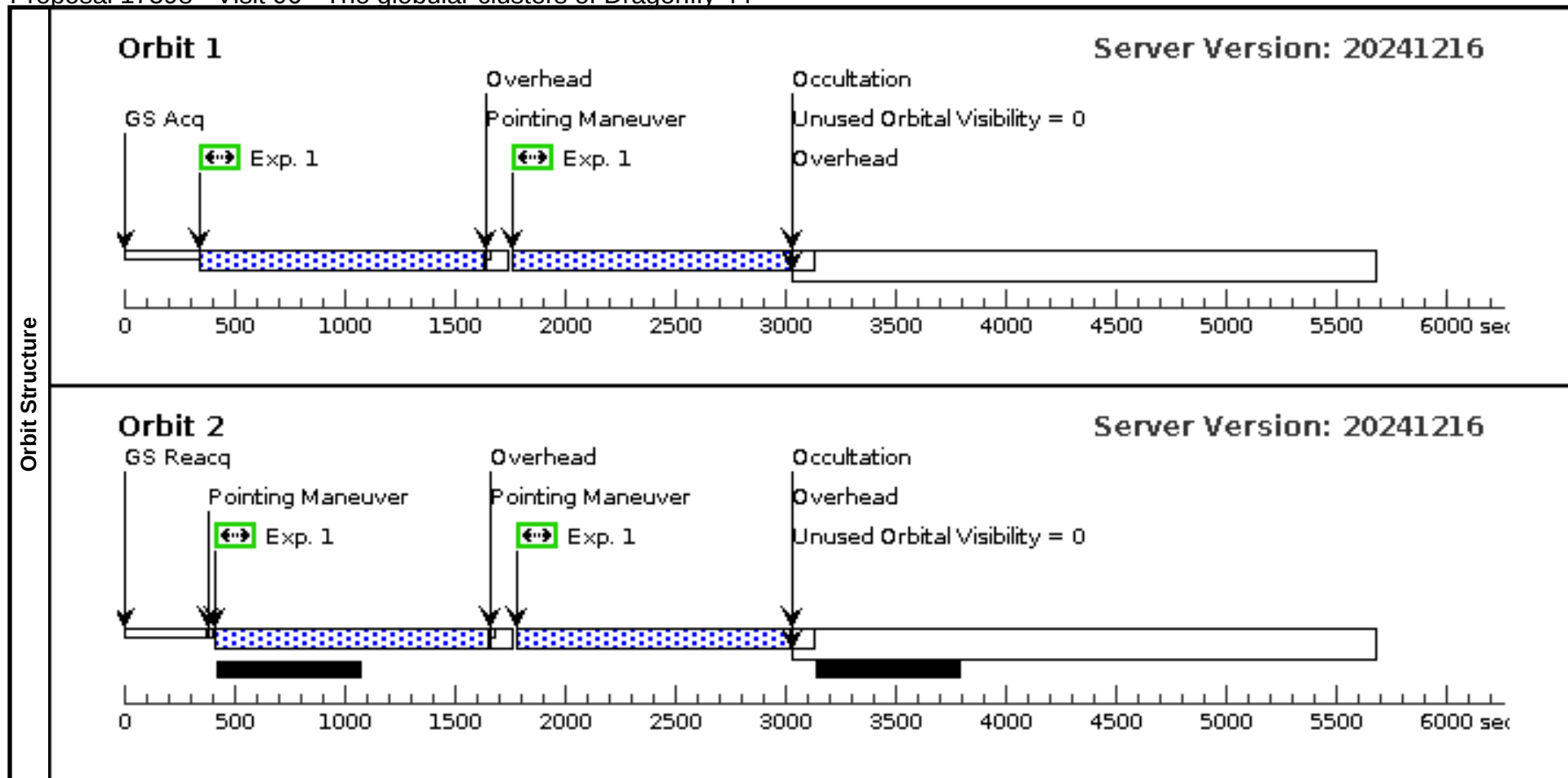
Proposal 17598 - Visit 55 - The globular clusters of Dragonfly 44

Visit	Proposal 17598, Visit 55, implementation										Mon Mar 24 11:00:16 GMT 2025		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/UVIS												
	Special Requirements: (none)												
	Comments: HOPR repeat of visit 05.												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(3)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112					Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false					(1)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections			Fluxes		Miscellaneous			
	(1)	DRAGONFLY-44	RA: 13 00 58.0000 (195.2416667d) Dec: +26 58 35.00 (26.97639d) Equinox: J2000					V=25		Reference Frame: ICRS			
	Comments: Category=GALAXY Description=[DWARF SPHEROIDAL] Extended=YES												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(1) DRAGONFLY-44	WFC3/UVIS, ACCUM, UVIS2		F350LP			Pattern 3, Exps 1-1 in Visit 55 (3)	1000 Secs (5012 Secs)			
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										[==>1258.0 Secs (Pattern 2)]			
										[==>1248.0 Secs (Pattern 3)]			
									[==>1248.0 Secs (Pattern 4)]		[2]		



Proposal 17598 - Visit 06 - The globular clusters of Dragonfly 44

Visit	Proposal 17598, Visit 06, completed										Mon Mar 24 11:00:16 GMT 2025	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/UVIS											
	Special Requirements: (none)											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures		
	(1)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=BACKGROUND Number Of Points=4 Point Spacing=25 Line Spacing=25		Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=true						(1)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(1)	DRAGONFLY-44	RA: 13 00 58.0000 (195.2416667d) Dec: +26 58 35.00 (26.97639d) Equinox: J2000				V=25		Reference Frame: ICRS			
	Comments: Category=GALAXY Description=[DWARF SPHEROIDAL] Extended=YES											
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) DRAGONFLY-44	WFC3/UVIS, ACCUM, UVIS2		F350LP			Pattern 1, Exps 1-1 in Visit 06 (1)	1000 Secs (4994 Secs)		
			4							[==>1258.0 Secs (Pattern 1)]		[1]
										[==>1258.0 Secs (Pattern 2)]		
										[==>1239.0 Secs (Pattern 3)]		[2]
									[==>1239.0 Secs (Pattern 4)]			



Proposal 17598 - Visit 07 - The globular clusters of Dragonfly 44

Visit	Proposal 17598, Visit 07, completed					Mon Mar 24 11:00:16 GMT 2025				
	Diagnostic Status: No Diagnostics									
Scientific Instruments: WFC3/UVIS										
Special Requirements: (none)										
Patterns	#	Primary Pattern			Secondary Pattern		Exposures			
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=BACKGROUND Number Of Points=2 Point Spacing=35 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=true					(1)			
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	DRAGONFLY-44	RA: 13 00 58.0000 (195.2416667d) Dec: +26 58 35.00 (26.97639d) Equinox: J2000		V=25	Reference Frame: ICRS				
Comments: Category=GALAXY Description=[DWARF SPHEROIDAL] Extended=YES										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) DRAGONFLY-4 4	WFC3/UVIS, ACCUM, UVIS2	F350LP			Pattern 2, Exps 1-1 i n Visit 07 (2)	1000 Secs (2516 Secs) [==>1258.0 Secs (Pattern 1)] [==>1258.0 Secs (Pattern 2)]	[1]
Orbit Structure	Orbit 1									
	Server Version: 20241216									