



18384 - MUSYC: a Medium Uv deep Survey of Young massive Clusters in the Magellanic Clouds

Cycle: 34, Proposal Category: GO

(UV Initiative)

(Availability Mode: SUPPORTED)

INVESTIGATORS

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Prof. Carmela Lardo (CoI) (ESA Member)	Universita di Bologna

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) NGC-1831	WFC3/UVIS	3	19-Aug-2026 12:01:13.0	yes
02	(1) NGC-1831	WFC3/UVIS	3	19-Aug-2026 12:01:13.0	yes
03	(1) NGC-1831	WFC3/UVIS	3	19-Aug-2026 12:01:14.0	yes
04	(1) NGC-1831	WFC3/UVIS	3	19-Aug-2026 12:01:14.0	yes
05	(2) NGC-1987	WFC3/UVIS	3	19-Aug-2026 12:01:15.0	yes
06	(2) NGC-1987	WFC3/UVIS	3	19-Aug-2026 12:01:15.0	yes
07	(2) NGC-1987	WFC3/UVIS	3	19-Aug-2026 12:01:15.0	yes
08	(2) NGC-1987	WFC3/UVIS	3	19-Aug-2026 12:01:16.0	yes
09	(3) NGC-411	WFC3/UVIS	3	19-Aug-2026 12:01:16.0	yes
10	(3) NGC-411	WFC3/UVIS	3	19-Aug-2026 12:01:16.0	yes
11	(3) NGC-411	WFC3/UVIS	3	19-Aug-2026 12:01:17.0	yes
12	(3) NGC-411	WFC3/UVIS	3	19-Aug-2026 12:01:17.0	yes
13	(4) NGC-1846	WFC3/UVIS	3	19-Aug-2026 12:01:18.0	yes
14	(4) NGC-1846	WFC3/UVIS	3	19-Aug-2026 12:01:18.0	yes
15	(4) NGC-1846	WFC3/UVIS	3	19-Aug-2026 12:01:19.0	yes
16	(4) NGC-1846	WFC3/UVIS	3	19-Aug-2026 12:01:19.0	yes
17	(5) NGC-1866	WFC3/UVIS	3	19-Aug-2026 12:01:20.0	yes
18	(5) NGC-1866	WFC3/UVIS	3	19-Aug-2026 12:01:20.0	yes
19	(5) NGC-1866	WFC3/UVIS	2	19-Aug-2026 12:01:20.0	yes
20	(5) NGC-1866	WFC3/UVIS	2	19-Aug-2026 12:01:21.0	yes

58 Total Orbits Used

ABSTRACT

Young massive clusters (YMCs) play a central role in many key research areas ranging from star and cluster formation to stellar evolution. However, their full potential as astrophysical benchmarks is admittedly hampered by the lack of deep UV observations.

Here we aim at filling this gap by performing MUSYC, the first deep UV survey of a representative sample of five YMCs younger than ~ 1.5 Gyr in

Proposal 18384 (STScI Edit Number: 0, Created: Wednesday, August 19, 2026, 11:01:21AM Eastern Standard Time) - Overview
the Magellanic Clouds. The requested data are a gold mine for a large number of interesting applications. Here we focus on the following science cases.

The first one is the search for multiple populations (MPs) with different light-element abundances along the lower main sequence of YMCs by using UV nitrogen-sensitive filters. This analysis will finally show whether MPs are common to all massive clusters (irrespective of their age), thus addressing one of the most important open questions in stellar population studies and enabling the definition of a complete picture about how MP properties evolve across the cosmic time.

Secondly, we will explore the nature and origin of the recently identified UV-dim stars, which have been suggested to be fast-rotators with circumstellar disks. This study would thus have a large impact on our understanding of the interplay between stellar rotation, mass-loss and disk formation, with direct implications on stellar evolution models.

Finally, the UV sensitivity of the requested data and the large temporal baseline with archival HST images will enable the first complete and homogeneous characterization of exotic objects in YMCs and the derivation of accurate proper motions for detailed internal and global kinematic analysis.

OBSERVING DESCRIPTION

Deep WFC3/UVIS observations are requested to observe five young massive clusters in the Magellanic Clouds.

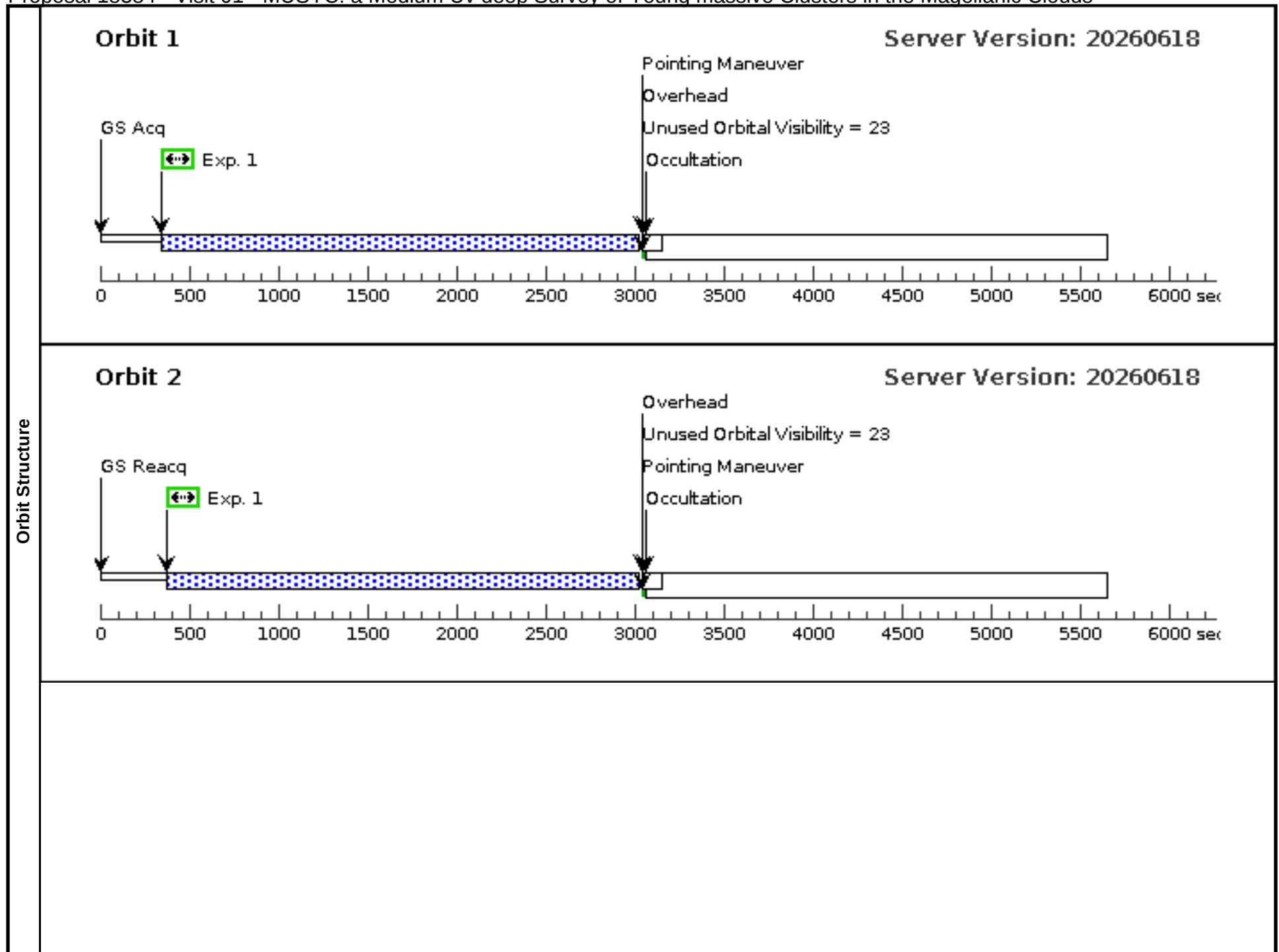
For all clusters, we will adopt the same observational strategy.

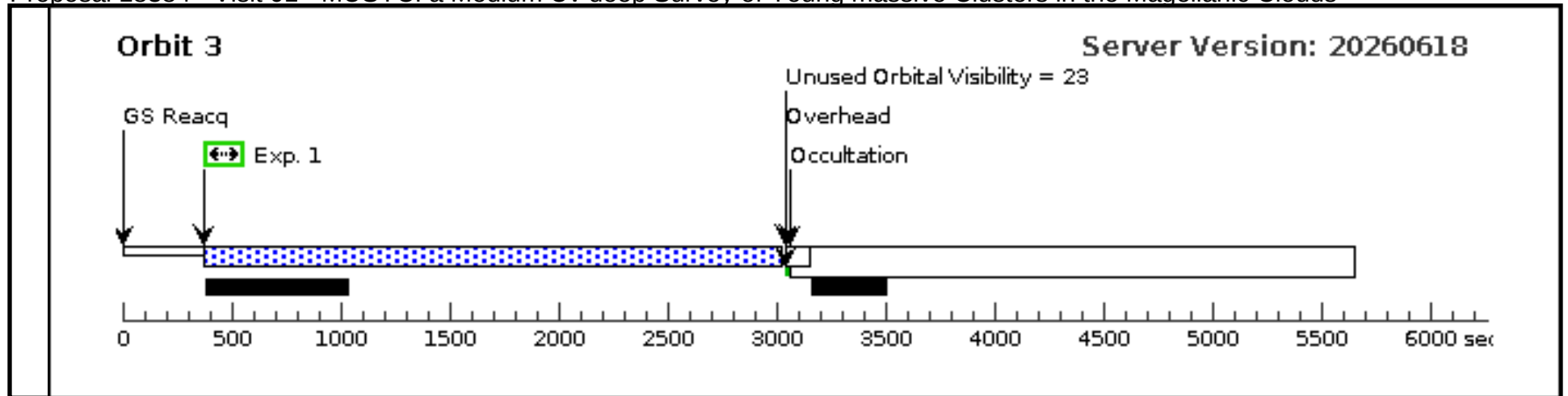
For each cluster 8 orbits will be dedicated to observations with the F343N filter (1 image per orbit), two orbits to obtain 6 images with F438W and two orbits to obtain 6 images with F275W. For NGC1866 we will not acquire F275W images.

Observations are split in 4 Visits containing 3 orbits each. For each cluster the first 2 Visits include 3 orbits to get F343N images. The last 2 include 1 orbit to acquire images for each requested filter. The UVIS-CENTER aperture and a WFC3-UVIS-GAP-LINE dither pattern with 3 steps and standard spacing are adopted for all filters.

Proposal 18384 - Visit 01 - MUSYC: a Medium Uv deep Survey of Young massive Clusters in the Magellanic Clouds

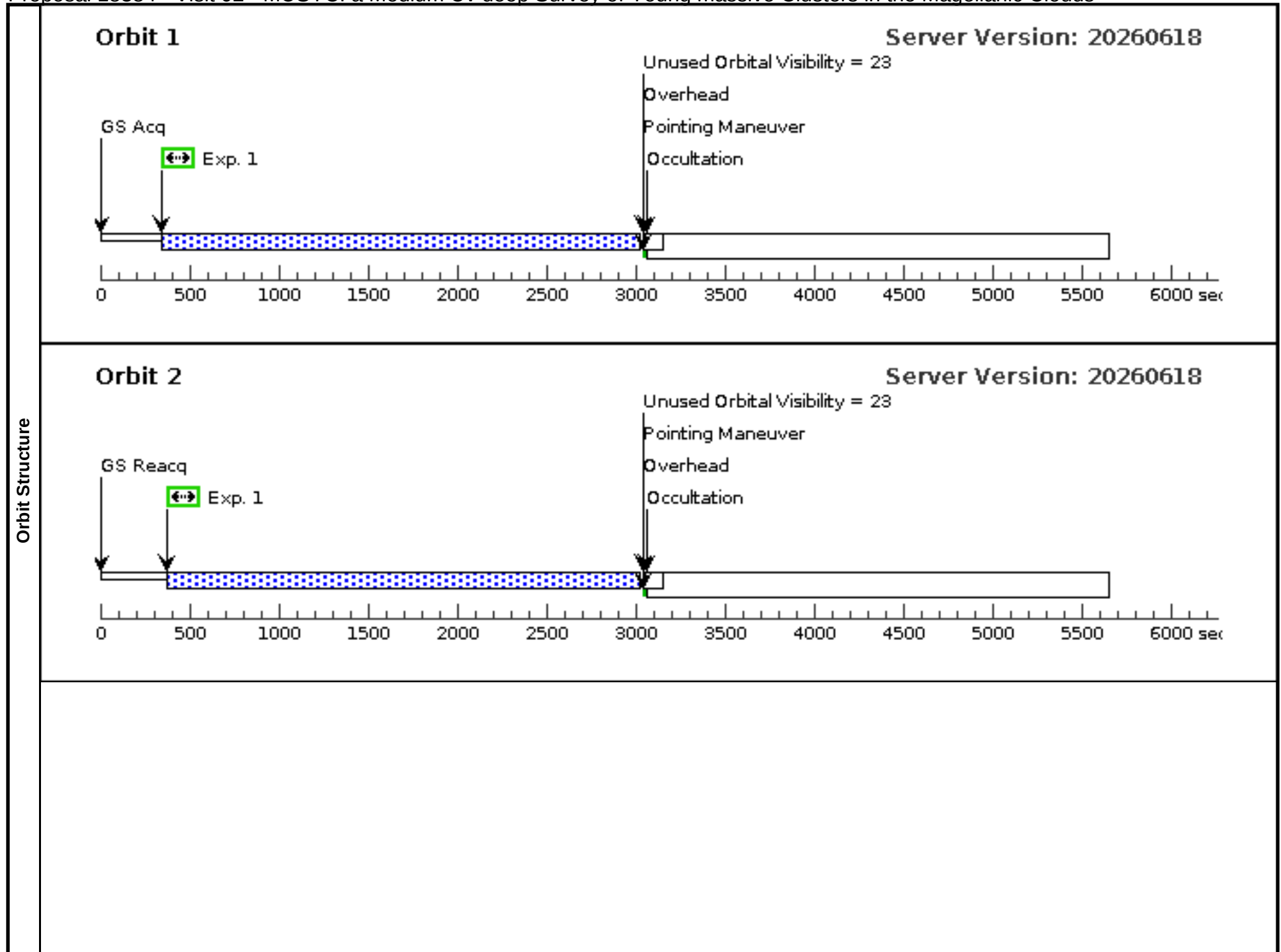
Visit	Proposal 18384, Visit 01										Wed Aug 19 16:01:21 GMT 2026		
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	Scientific Instruments: WFC3/UVIS												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(2)	Pattern Type=WFC3-UVIS-GAP-LINE Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=85.759 Number Of Points=3 Angle Between Sides= Point Spacing=2.414 Center Pattern=true Line Spacing=										(1)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections			Fluxes		Miscellaneous		
	(1)	NGC-1831		RA: 05 06 16.1200 (76.5671667d) Dec: -64 55 6.90 (-64.91858d) Equinox: J2000		Epoch of Position: 2000			V=11.18		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.												
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Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(1) NGC-1831	WFC3/UVIS, ACCUM, UVIS-CENTER		F343N	FLASH=12		Pattern 2, Exps 1-1 i n Visit 01 (2)	2653 Secs (7959 Secs)			
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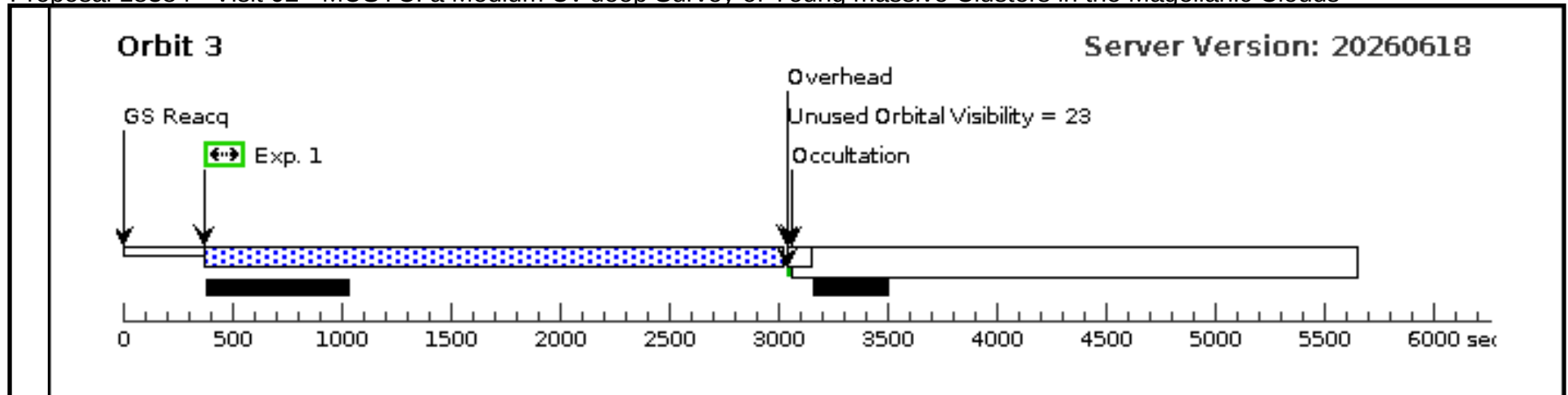




Proposal 18384 - Visit 02 - MUSYC: a Medium Uv deep Survey of Young massive Clusters in the Magellanic Clouds

Visit	Proposal 18384, Visit 02										Wed Aug 19 16:01:21 GMT 2026		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/UVIS												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
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Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections			Fluxes		Miscellaneous		
	(1)	NGC-1831		RA: 05 06 16.1200 (76.5671667d) Dec: -64 55 6.90 (-64.91858d) Equinox: J2000		Epoch of Position: 2000			V=11.18		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.												
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Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(1) NGC-1831	WFC3/UVIS, ACCUM, UVIS-CENTER		F343N	FLASH=12		Pattern 2, Exps 1-1 i n Visit 02 (2)	2653 Secs (7959 Secs)			
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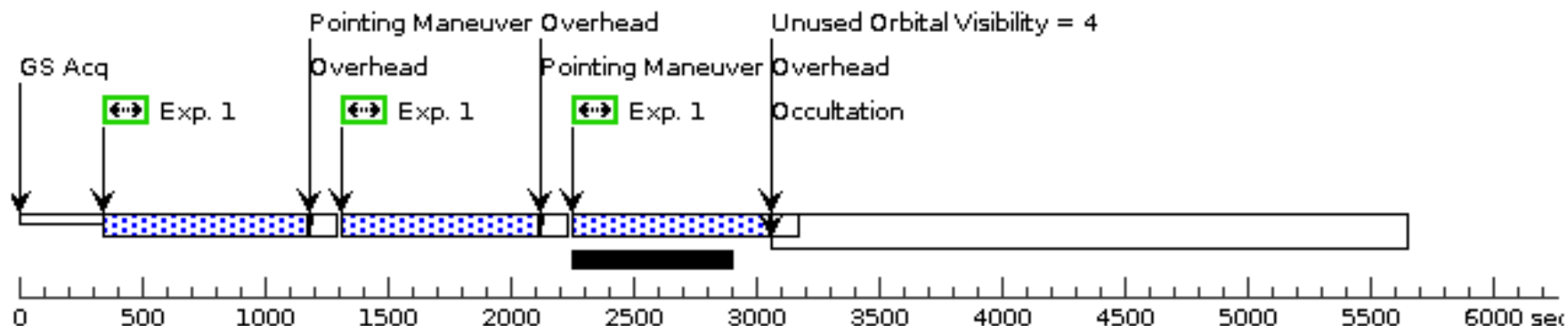


Proposal 18384 - Visit 03 - MUSYC: a Medium Uv deep Survey of Young massive Clusters in the Magellanic Clouds

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Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(1)	NGC-1831	RA: 05 06 16.1200 (76.5671667d) Dec: -64 55 6.90 (-64.91858d) Equinox: J2000	Epoch of Position: 2000	V=11.18
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=STELLAR CLUSTER Description=[GLOBULAR CLUSTER]				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1	(1) NGC-1831	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=20
	Pattern 2, Exps 1-1 i n Visit 03 (2)				
	798 Secs (2394 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]				
	2	(1) NGC-1831	WFC3/UVIS, ACCUM, UVIS-CENTER	F438W	FLASH=12
	Pattern 2, Exps 2-2 i n Visit 03 (2)				
	793 Secs (2379 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]				
	3	(1) NGC-1831	WFC3/UVIS, ACCUM, UVIS-CENTER	F343N	FLASH=12
	2653 Secs (2653 Secs) [==>]				

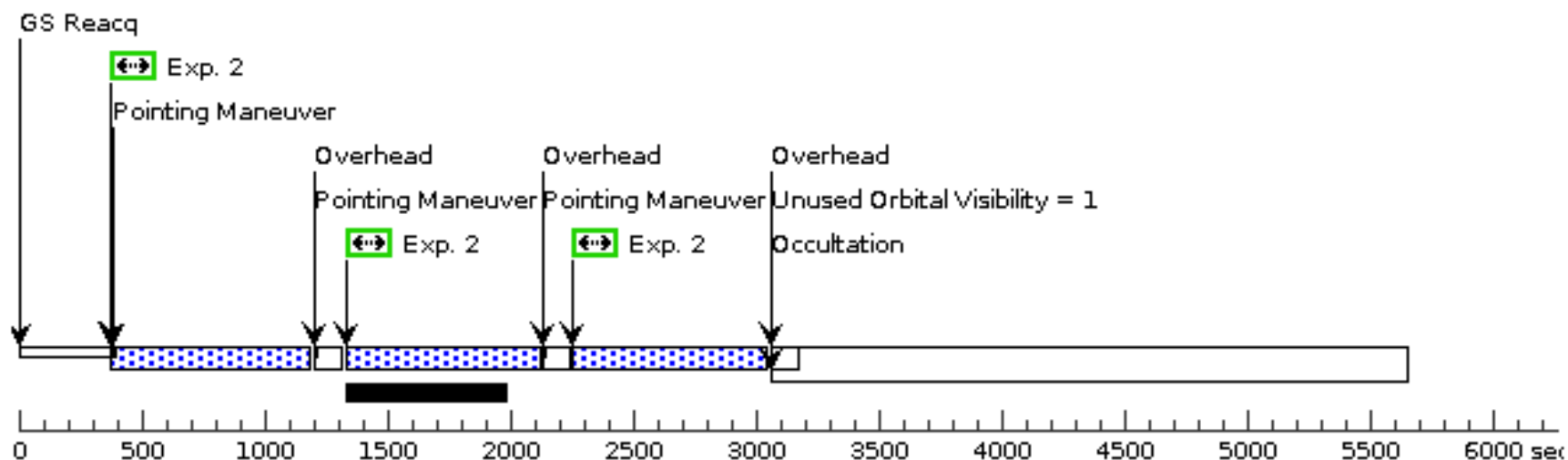
Orbit 1

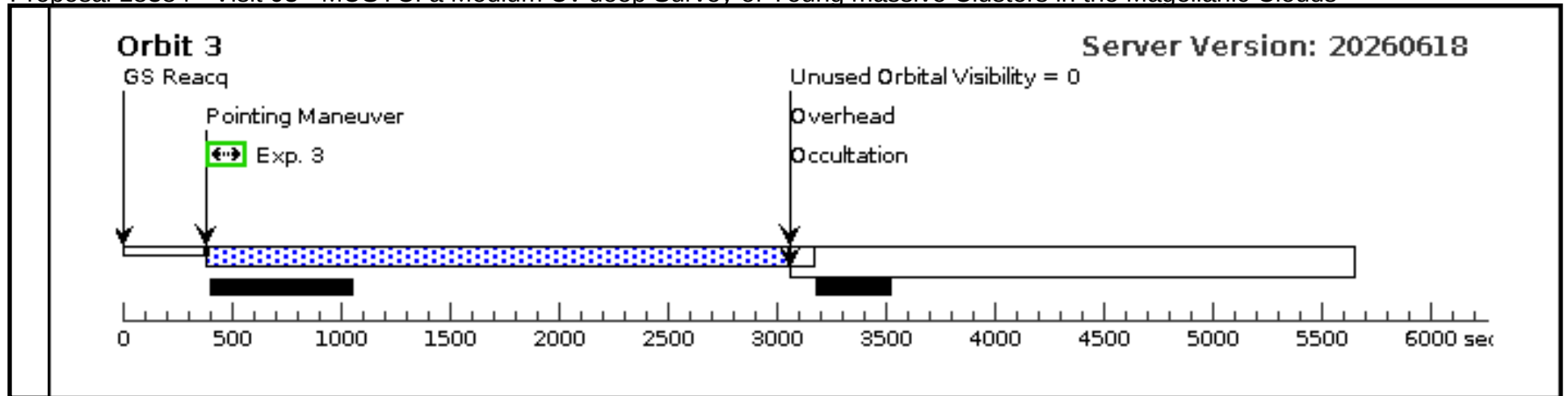
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Orbit 2

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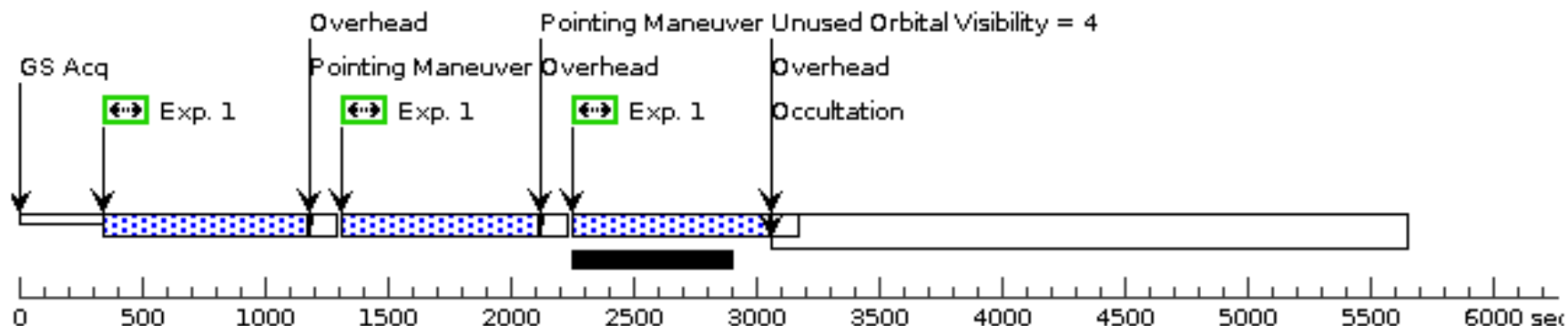


Proposal 18384 - Visit 04 - MUSYC: a Medium Uv deep Survey of Young massive Clusters in the Magellanic Clouds

Visit	Proposal 18384, Visit 04					Wed Aug 19 16:01:21 GMT 2026				
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	Special Requirements: (none)									
Patterns	#	Primary Pattern			Secondary Pattern		Exposures			
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Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	NGC-1831	RA: 05 06 16.1200 (76.5671667d) Dec: -64 55 6.90 (-64.91858d) Equinox: J2000	Epoch of Position: 2000	V=11.18	Reference Frame: ICRS				
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.									
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) NGC-1831	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=20		Pattern 2, Exps 1-1 i n Visit 04 (2)	798 Secs (2394 Secs)	
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	2		(1) NGC-1831	WFC3/UVIS, ACCUM, UVIS-CENTER	F438W	FLASH=12		Pattern 2, Exps 2-2 i n Visit 04 (2)	793 Secs (2379 Secs)	
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[2]
	3		(1) NGC-1831	WFC3/UVIS, ACCUM, UVIS-CENTER	F343N	FLASH=12			2645 Secs (2645 Secs)	
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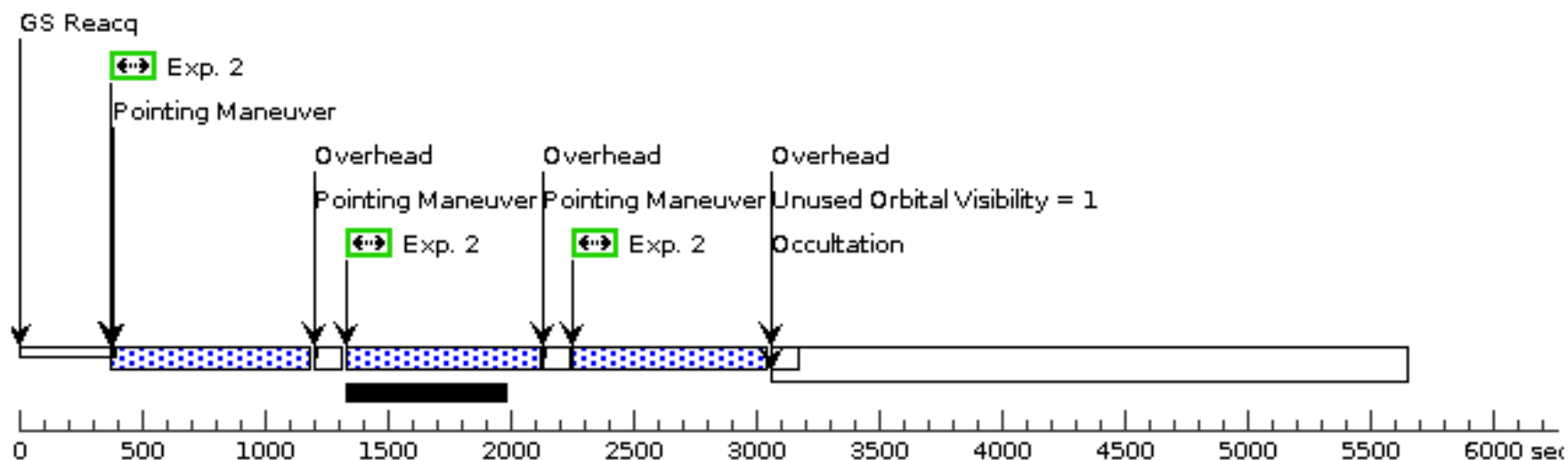
Orbit 1

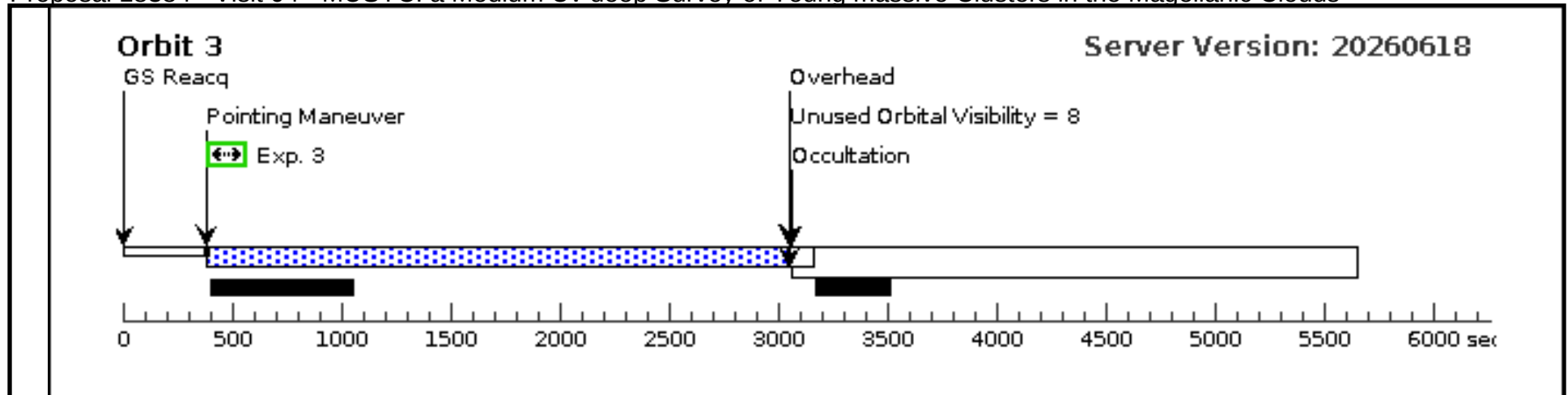
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Orbit 2

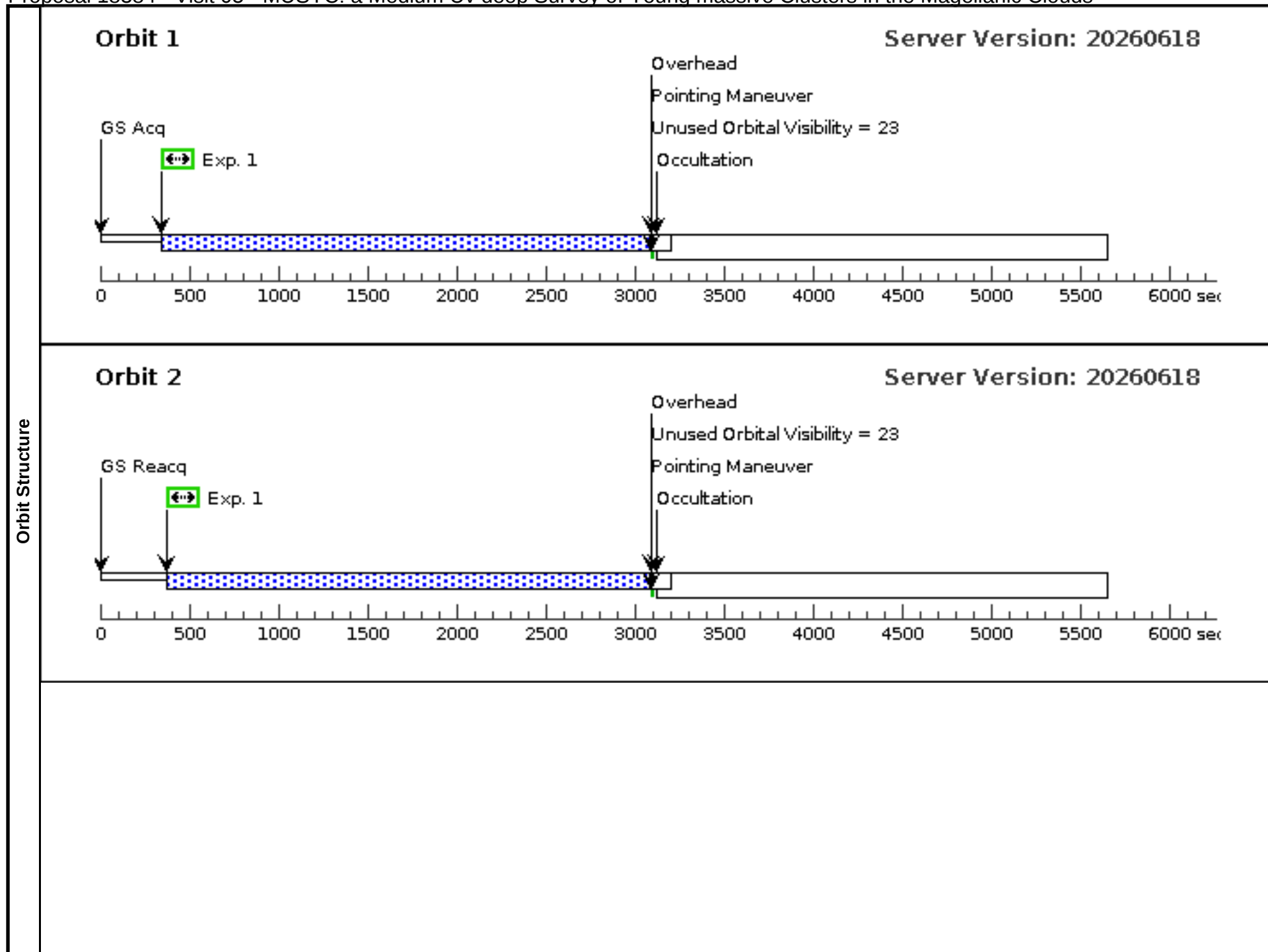
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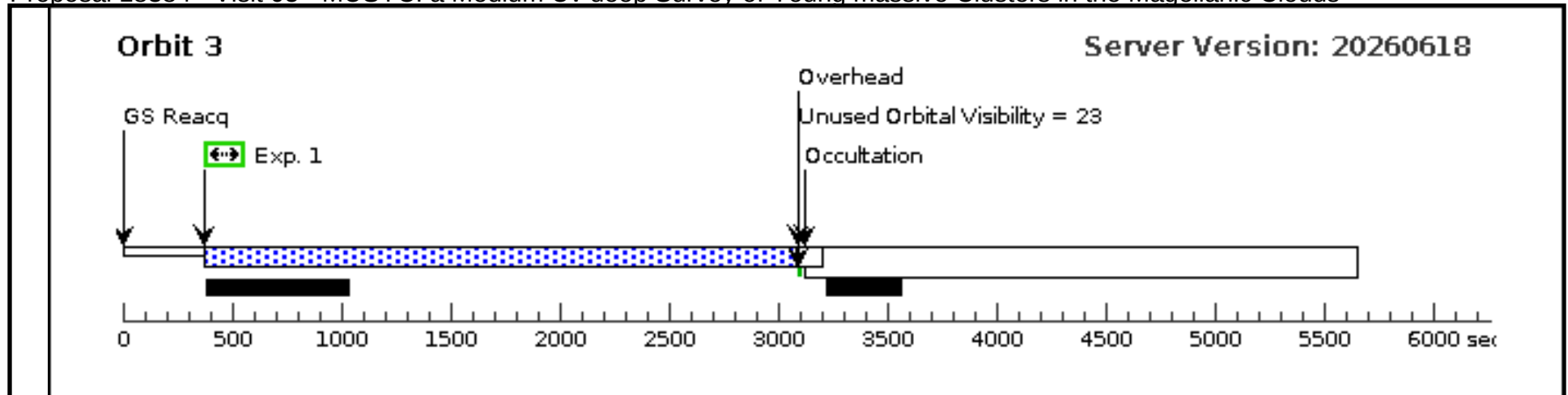




Proposal 18384 - Visit 05 - MUSYC: a Medium Uv deep Survey of Young massive Clusters in the Magellanic Clouds

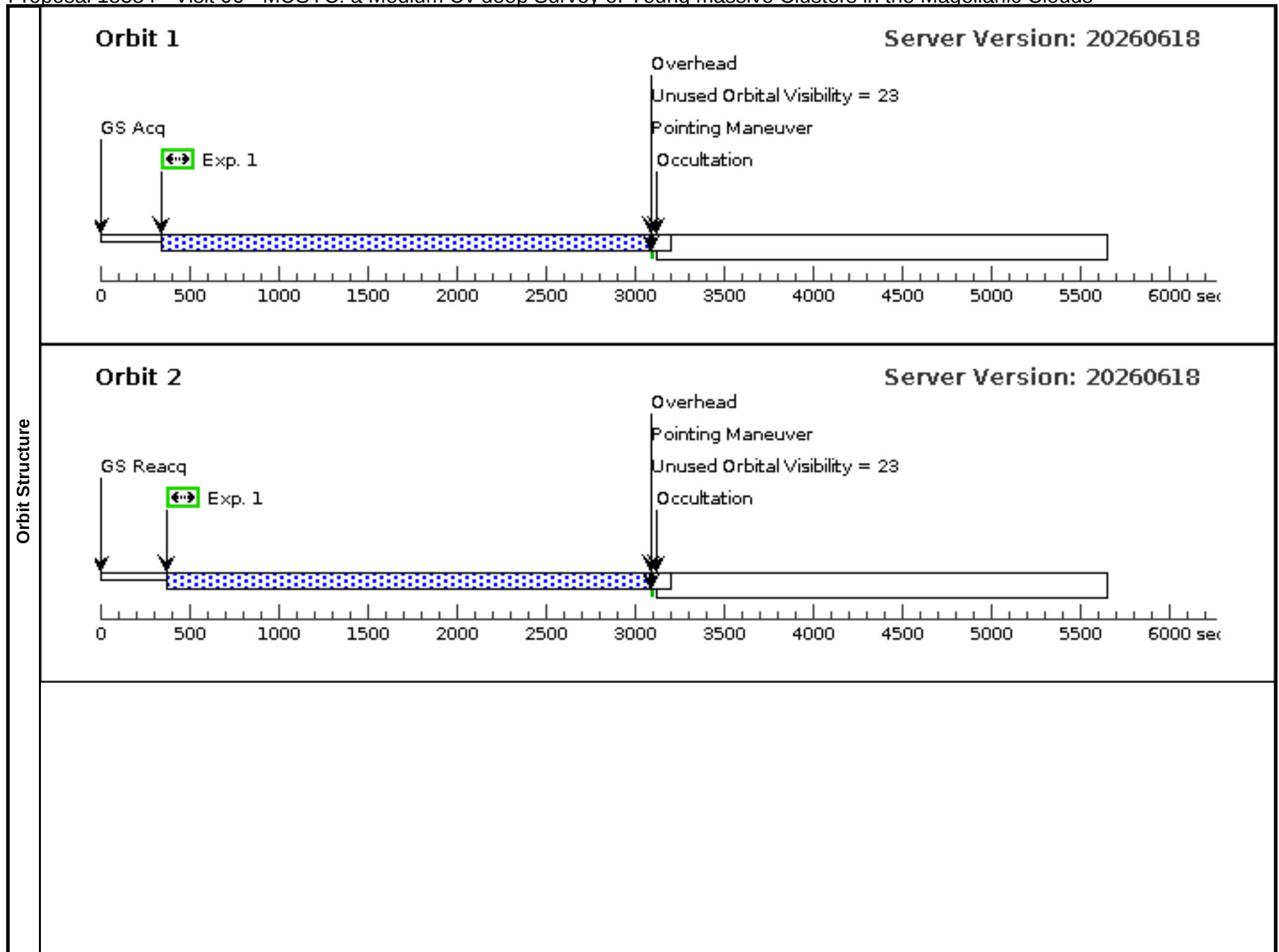
Visit	Proposal 18384, Visit 05										Wed Aug 19 16:01:21 GMT 2026		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/UVIS												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(2)	Pattern Type=WFC3-UVIS-GAP-LINE Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=85.759 Number Of Points=3 Angle Between Sides= Point Spacing=2.414 Center Pattern=true Line Spacing=										(1)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(2)	NGC-1987		RA: 05 27 16.9400 (81.8205833d) Dec: -70 44 14.16 (-70.73727d) Equinox: J2000		Epoch of Position: 2000		V=11		Reference Frame: ICRS			
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.												
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Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(2) NGC-1987	WFC3/UVIS, ACCUM, UVIS-CENTER		F343N	FLASH=12		Pattern 2, Exps 1-1 i n Visit 05 (2)	2710 Secs (8130 Secs)			
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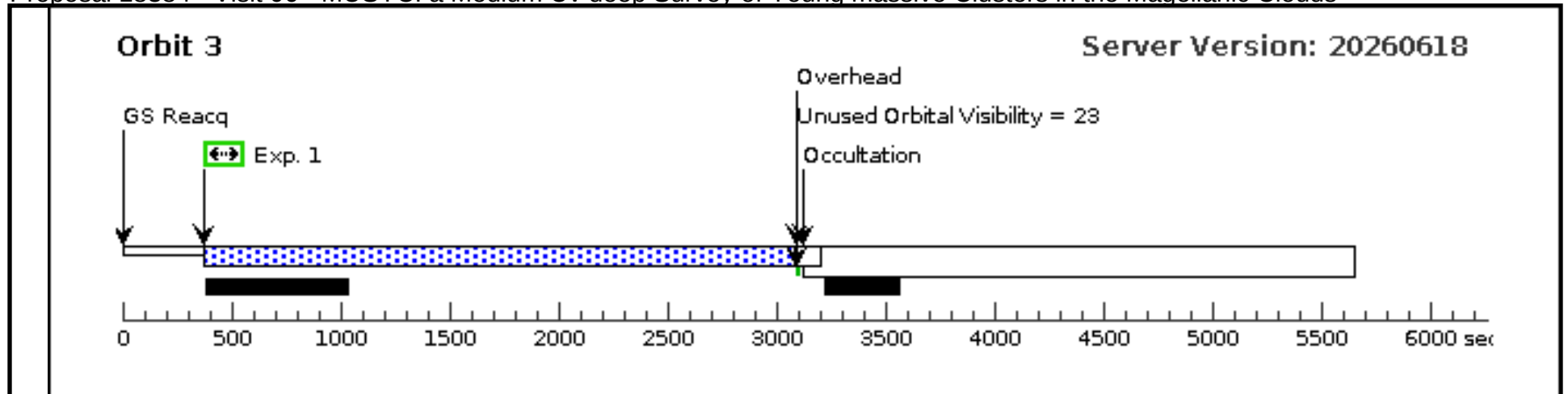




Proposal 18384 - Visit 06 - MUSYC: a Medium Uv deep Survey of Young massive Clusters in the Magellanic Clouds

Visit	Proposal 18384, Visit 06										Wed Aug 19 16:01:21 GMT 2026		
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	Scientific Instruments: WFC3/UVIS												
	Special Requirements: (none)												
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Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections			Fluxes		Miscellaneous		
	(2)	NGC-1987		RA: 05 27 16.9400 (81.8205833d) Dec: -70 44 14.16 (-70.73727d) Equinox: J2000		Epoch of Position: 2000			V=11		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.												
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Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(2) NGC-1987	WFC3/UVIS, ACCUM, UVIS-CENTER		F343N	FLASH=12		Pattern 2, Exps 1-1 i n Visit 06 (2)	2710 Secs (8130 Secs)			
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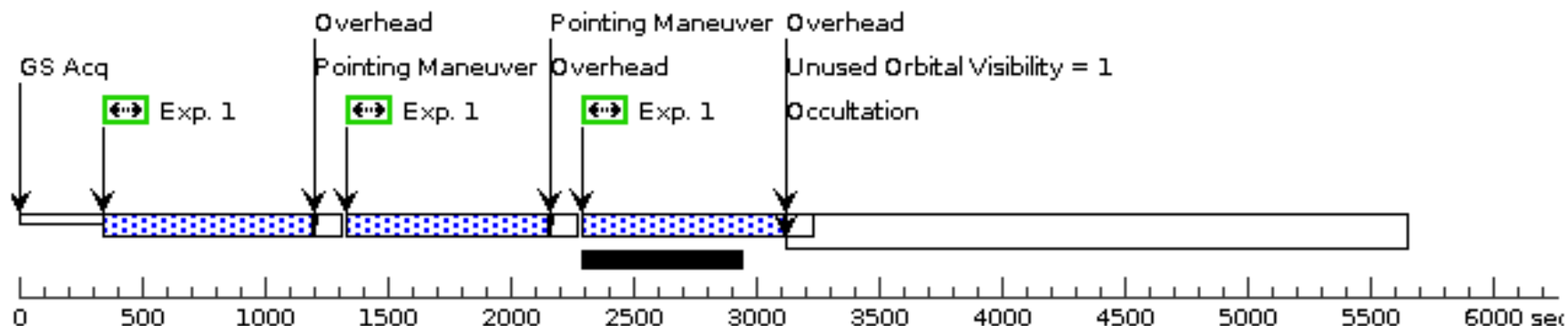


Proposal 18384 - Visit 07 - MUSYC: a Medium Uv deep Survey of Young massive Clusters in the Magellanic Clouds

Visit	Proposal 18384, Visit 07					Wed Aug 19 16:01:21 GMT 2026				
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	Scientific Instruments: WFC3/UVIS									
	Special Requirements: (none)									
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Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(2)	NGC-1987	RA: 05 27 16.9400 (81.8205833d) Dec: -70 44 14.16 (-70.73727d) Equinox: J2000	Epoch of Position: 2000		V=11		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.									
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(2) NGC-1987	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=20		Pattern 2, Exps 1-1 i n Visit 07 (2)	818 Secs (2454 Secs)	
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	2		(2) NGC-1987	WFC3/UVIS, ACCUM, UVIS-CENTER	F438W	FLASH=12		Pattern 2, Exps 2-2 i n Visit 07 (2)	812 Secs (2436 Secs)	
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[2]
	3		(2) NGC-1987	WFC3/UVIS, ACCUM, UVIS-CENTER	F343N	FLASH=12			2710 Secs (2710 Secs)	
									[==>]	[3]

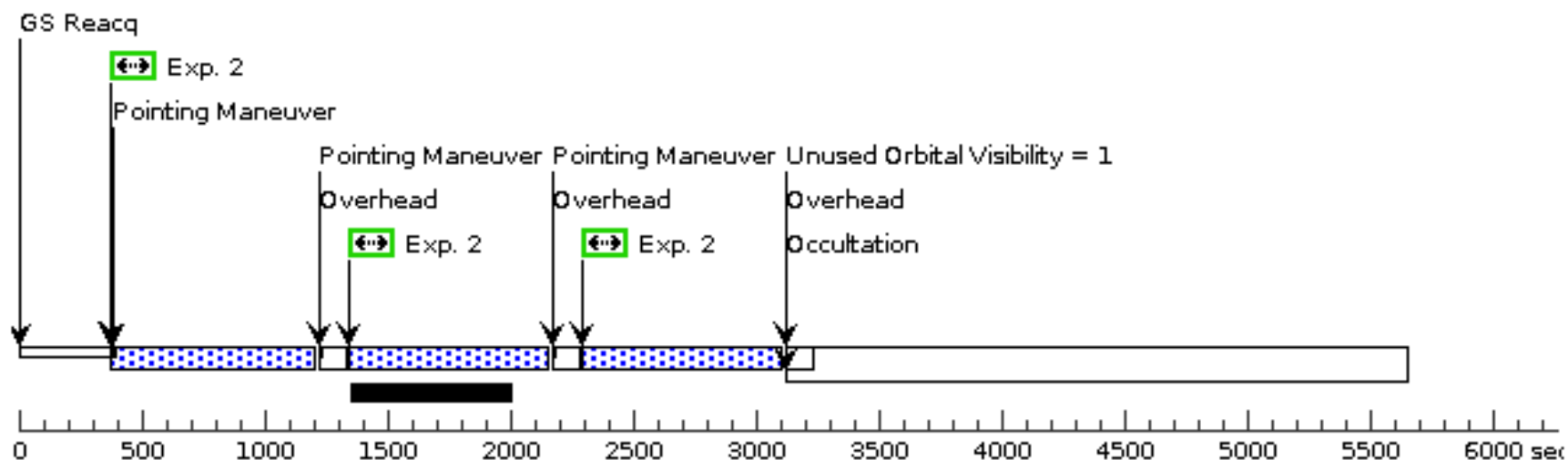
Orbit 1

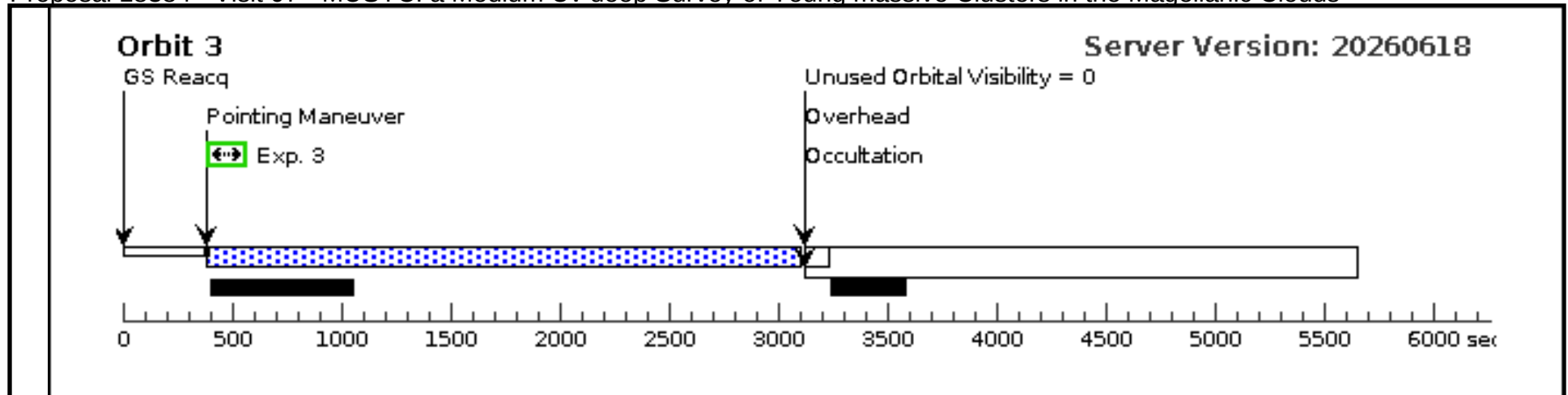
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Orbit 2

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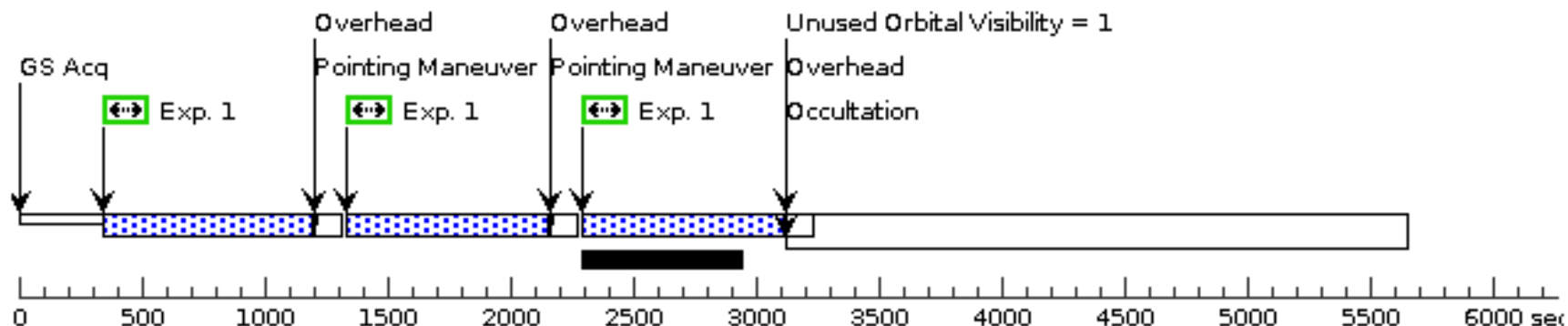


Proposal 18384 - Visit 08 - MUSYC: a Medium Uv deep Survey of Young massive Clusters in the Magellanic Clouds

Visit	Proposal 18384, Visit 08					Wed Aug 19 16:01:21 GMT 2026				
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	Scientific Instruments: WFC3/UVIS									
	Special Requirements: (none)									
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Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	NGC-1987	RA: 05 27 16.9400 (81.8205833d) Dec: -70 44 14.16 (-70.73727d) Equinox: J2000	Epoch of Position: 2000	V=11	Reference Frame: ICRS				
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.									
	Category=STELLAR CLUSTER Description=[GLOBULAR CLUSTER]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(2) NGC-1987	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=20		Pattern 2, Exps 1-1 i n Visit 08 (2)	818 Secs (2454 Secs)	
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	2		(2) NGC-1987	WFC3/UVIS, ACCUM, UVIS-CENTER	F438W	FLASH=12		Pattern 2, Exps 2-2 i n Visit 08 (2)	812 Secs (2436 Secs)	
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[2]
	3		(2) NGC-1987	WFC3/UVIS, ACCUM, UVIS-CENTER	F343N	FLASH=12			2710 Secs (2710 Secs)	
									[==>]	[3]

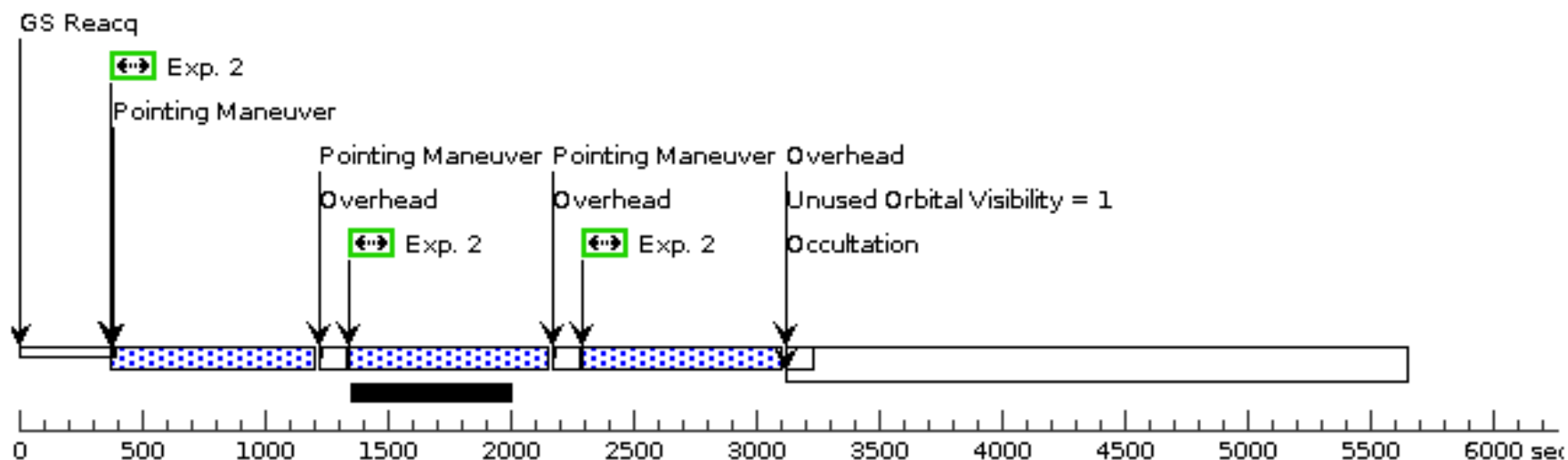
Orbit 1

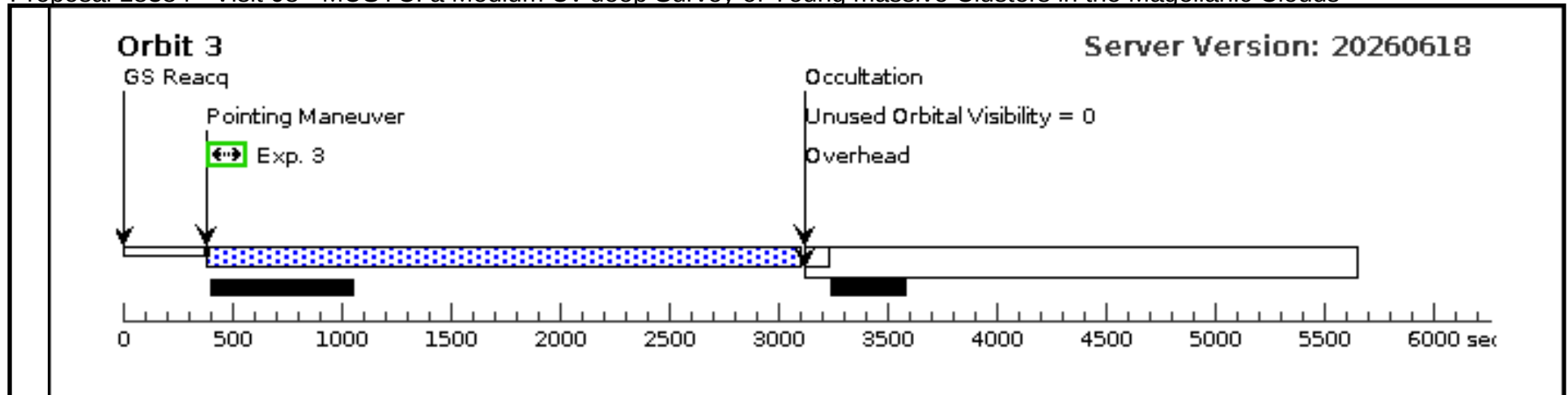
Server Version: 20260618



Orbit 2

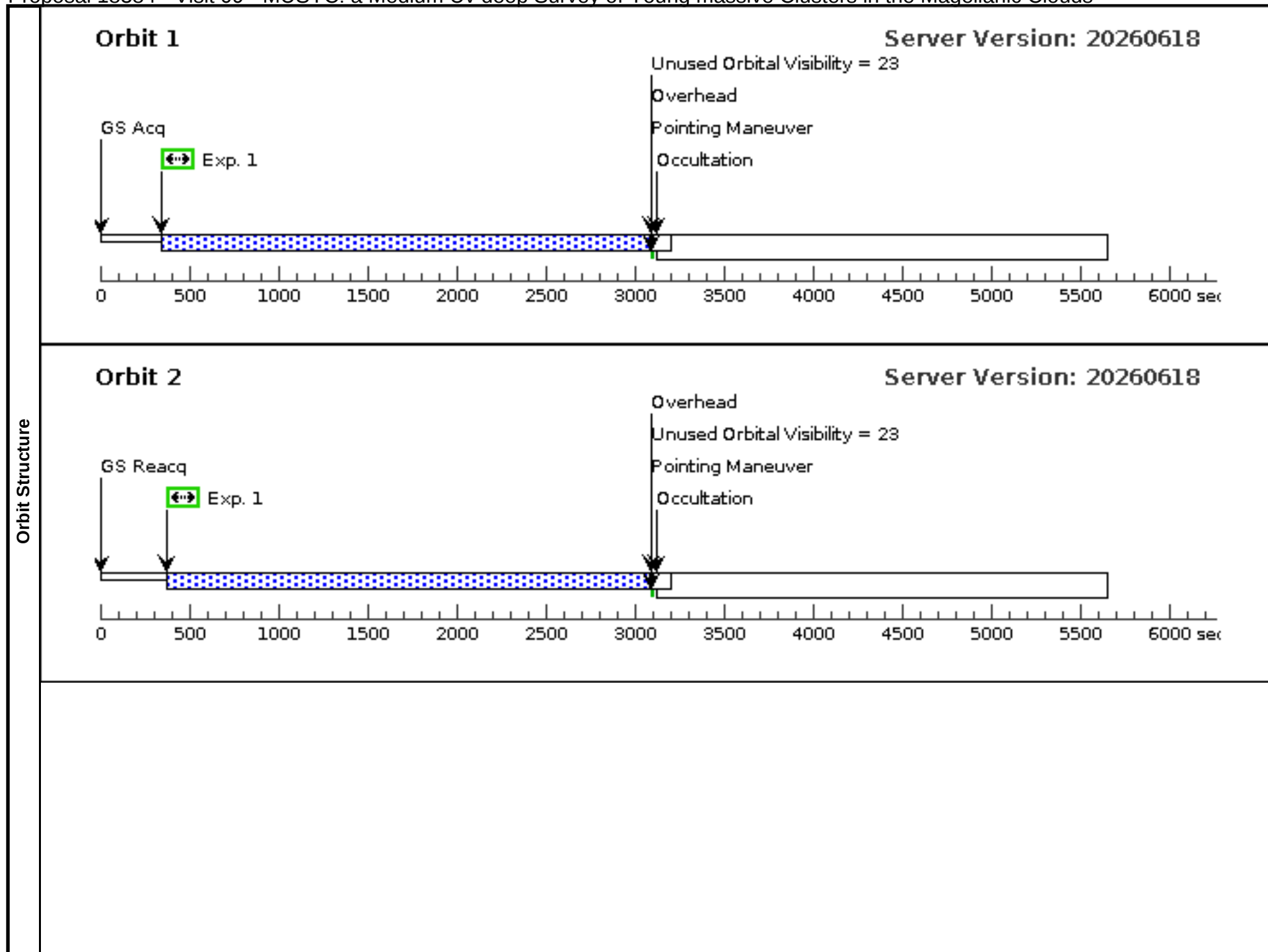
Server Version: 20260618

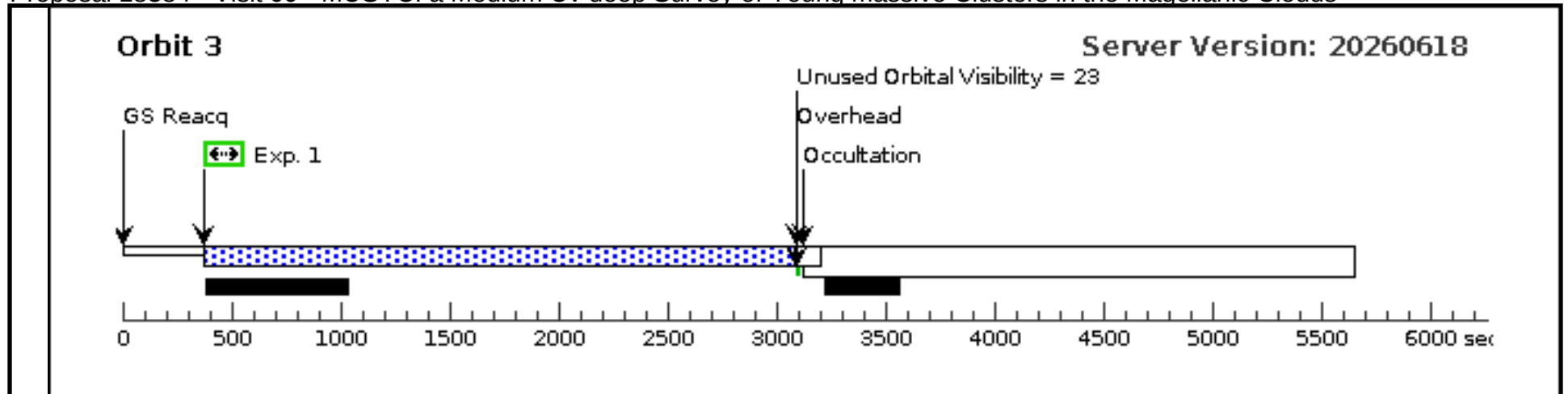




Proposal 18384 - Visit 09 - MUSYC: a Medium Uv deep Survey of Young massive Clusters in the Magellanic Clouds

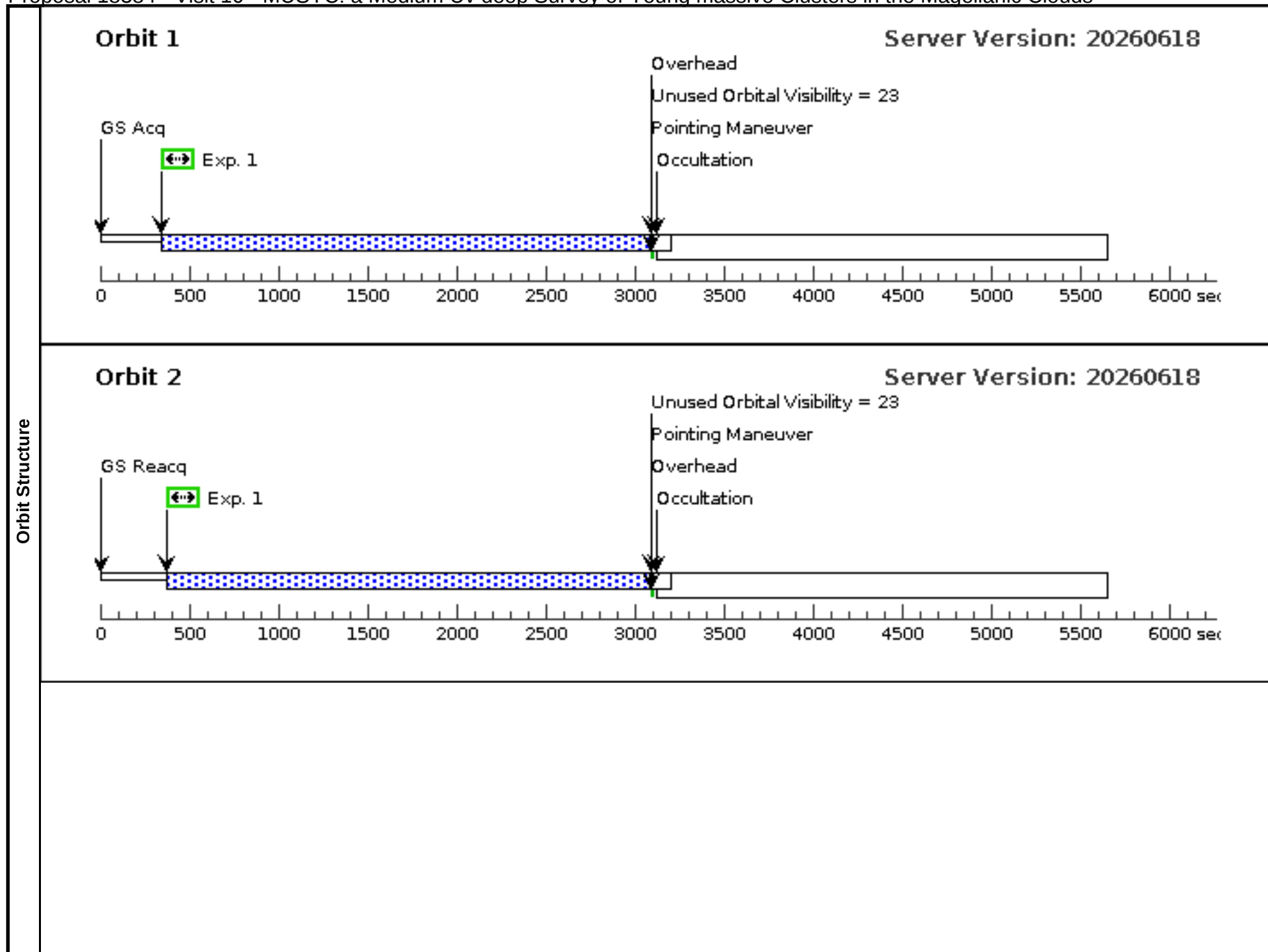
Visit	Proposal 18384, Visit 09										Wed Aug 19 16:01:21 GMT 2026		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/UVIS												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(2)	Pattern Type=WFC3-UVIS-GAP-LINE Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=85.759 Number Of Points=3 Angle Between Sides= Point Spacing=2.414 Center Pattern=true Line Spacing=										(1)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections			Fluxes		Miscellaneous		
	(3)	NGC-411		RA: 01 07 55.6400 (16.9818333d) Dec: -71 46 3.10 (-71.76753d) Equinox: J2000		Epoch of Position: 2000			V=12.1		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.												
	Category=STELLAR CLUSTER Description=[GLOBULAR CLUSTER]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(3) NGC-411	WFC3/UVIS, ACCUM, UVIS-CENTER		F343N	FLASH=12		Pattern 2, Exps 1-1 i n Visit 09 (2)	2710 Secs (8130 Secs)			
										[==>(Pattern 1)]		[1]	
										[==>(Pattern 2)]		[2]	
										[==>(Pattern 3)]		[3]	

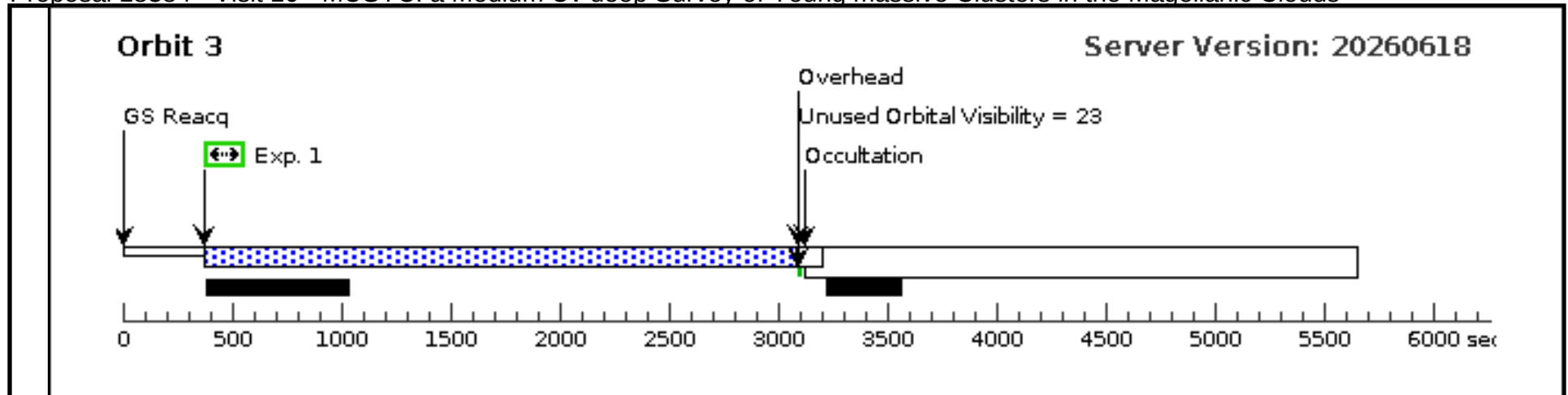




Proposal 18384 - Visit 10 - MUSYC: a Medium Uv deep Survey of Young massive Clusters in the Magellanic Clouds

Visit	Proposal 18384, Visit 10										Wed Aug 19 16:01:21 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/UVIS											
	Special Requirements: (none)											
Patterns	#	Primary Pattern					Secondary Pattern				Exposures	
	(2)	Pattern Type=WFC3-UVIS-GAP-LINE Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=85.759 Number Of Points=3 Angle Between Sides= Point Spacing=2.414 Center Pattern=true Line Spacing=									(1)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(3)	NGC-411		RA: 01 07 55.6400 (16.9818333d) Dec: -71 46 3.10 (-71.76753d) Equinox: J2000		Epoch of Position: 2000		V=12.1		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.											
	Category=STELLAR CLUSTER Description=[GLOBULAR CLUSTER]											
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(3) NGC-411	WFC3/UVIS, ACCUM, UVIS-CENTER		F343N	FLASH=12		Pattern 2, Exps 1-1 i n Visit 10 (2)	2710 Secs (8130 Secs)		
										[==>(Pattern 1)]		[1]
										[==>(Pattern 2)]		[2]
										[==>(Pattern 3)]		[3]



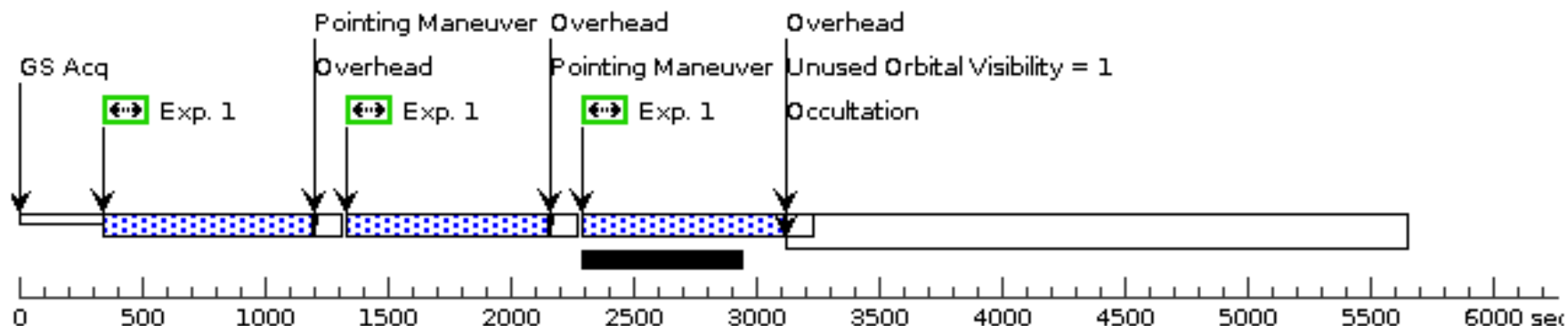


Proposal 18384 - Visit 11 - MUSYC: a Medium Uv deep Survey of Young massive Clusters in the Magellanic Clouds

Visit	Proposal 18384, Visit 11										Wed Aug 19 16:01:21 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/UVIS											
	Special Requirements: (none)											
Patterns	#	Primary Pattern					Secondary Pattern				Exposures	
	(2)	Pattern Type=WFC3-UVIS-GAP-LINE Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=85.759 Number Of Points=3 Angle Between Sides= Point Spacing=2.414 Center Pattern=true Line Spacing=									(1), (2)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(3)	NGC-411		RA: 01 07 55.6400 (16.9818333d) Dec: -71 46 3.10 (-71.76753d) Equinox: J2000		Epoch of Position: 2000		V=12.1		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.											
	Category=STELLAR CLUSTER Description=[GLOBULAR CLUSTER]											
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(3) NGC-411	WFC3/UVIS, ACCUM, UVIS-CENTER		F275W	FLASH=20		Pattern 2, Exps 1-1 i n Visit 11 (2)	818 Secs (2454 Secs)		
										[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	2		(3) NGC-411	WFC3/UVIS, ACCUM, UVIS-CENTER		F438W	FLASH=12		Pattern 2, Exps 2-2 i n Visit 11 (2)	812 Secs (2436 Secs)		
										[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[2]
	3		(3) NGC-411	WFC3/UVIS, ACCUM, UVIS-CENTER		F343N	FLASH=12			2710 Secs (2710 Secs)		
										[==>]		[3]

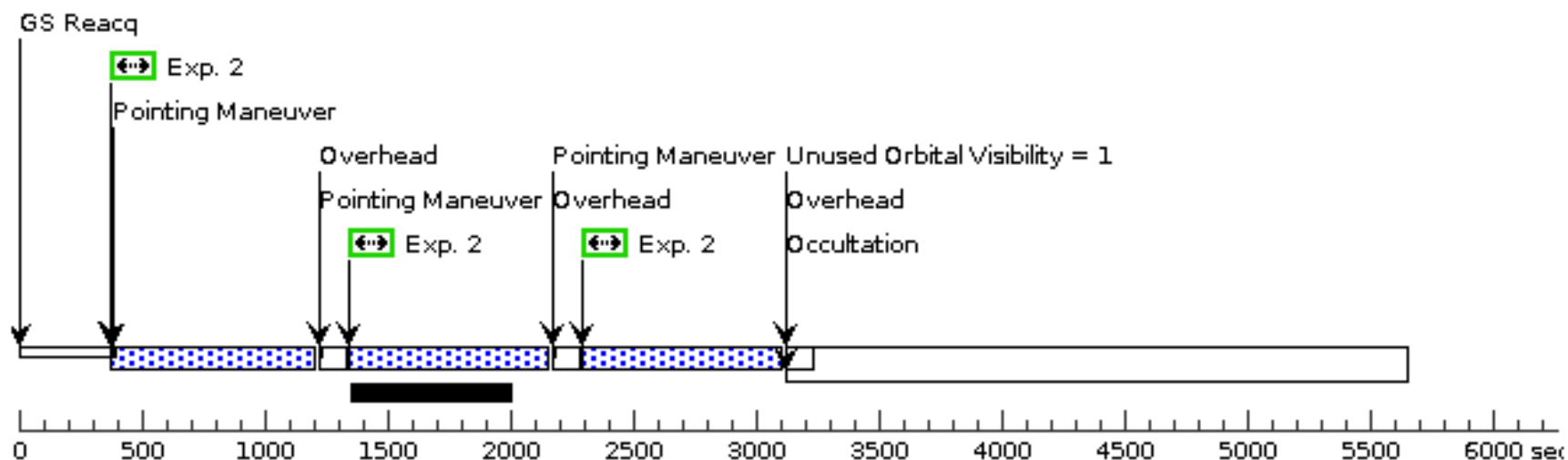
Orbit 1

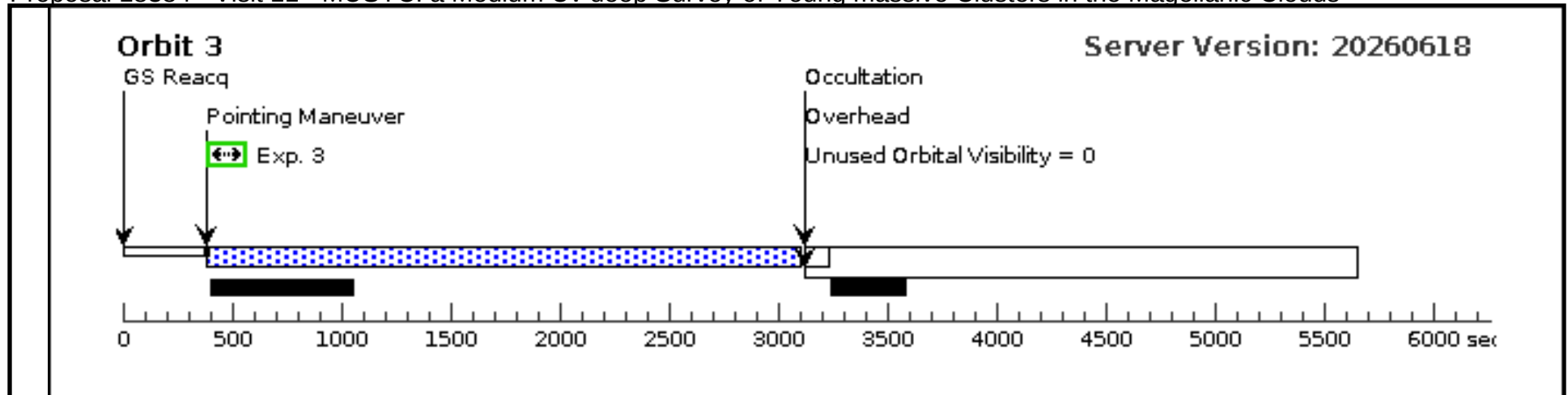
Server Version: 20260618



Orbit 2

Server Version: 20260618



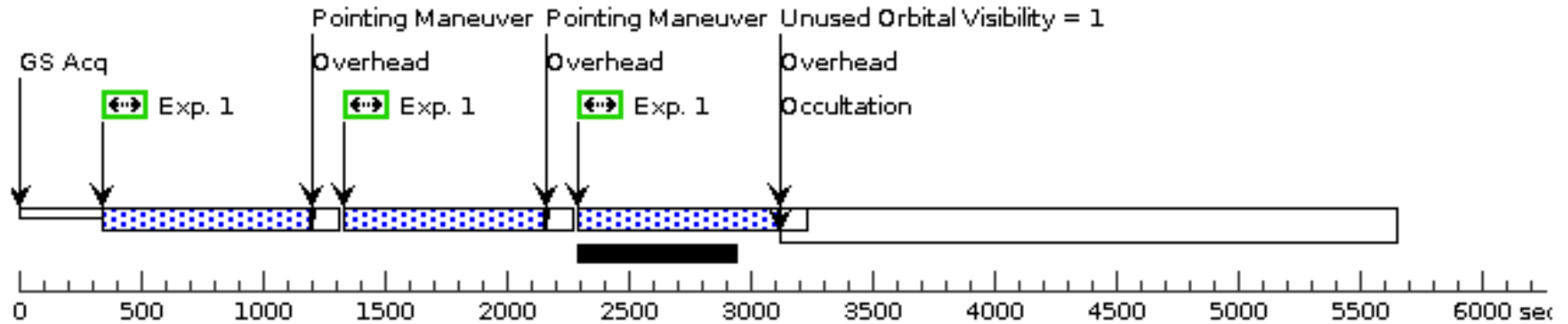


Proposal 18384 - Visit 12 - MUSYC: a Medium Uv deep Survey of Young massive Clusters in the Magellanic Clouds

Visit	Proposal 18384, Visit 12 Wed Aug 19 16:01:21 GMT 2026				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)				
Patterns	#	Primary Pattern	Secondary Pattern		Exposures
	(2)	Pattern Type=WFC3-UVIS-GAP-LINE Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=85.759 Number Of Points=3 Angle Between Sides= Point Spacing=2.414 Center Pattern=true Line Spacing=			(1), (2)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(3)	NGC-411	RA: 01 07 55.6400 (16.9818333d) Dec: -71 46 3.10 (-71.76753d) Equinox: J2000 <i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=STELLAR CLUSTER Description=[GLOBULAR CLUSTER]	Epoch of Position: 2000	V=12.1
Exposures	Miscellaneous				
	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1		(3) NGC-411	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W
					FLASH=20
					Pattern 2, Exps 1-1 i n Visit 12 (2)
					818 Secs (2454 Secs)
					[==>(Pattern 1)]
					[==>(Pattern 2)]
					[==>(Pattern 3)]
					[1]
	2		(3) NGC-411	WFC3/UVIS, ACCUM, UVIS-CENTER	F438W
					FLASH=12
					Pattern 2, Exps 2-2 i n Visit 12 (2)
					812 Secs (2436 Secs)
					[==>(Pattern 1)]
					[==>(Pattern 2)]
					[==>(Pattern 3)]
					[2]
	3		(3) NGC-411	WFC3/UVIS, ACCUM, UVIS-CENTER	F343N
					FLASH=12
					2710 Secs (2710 Secs)
					[==>]
					[3]

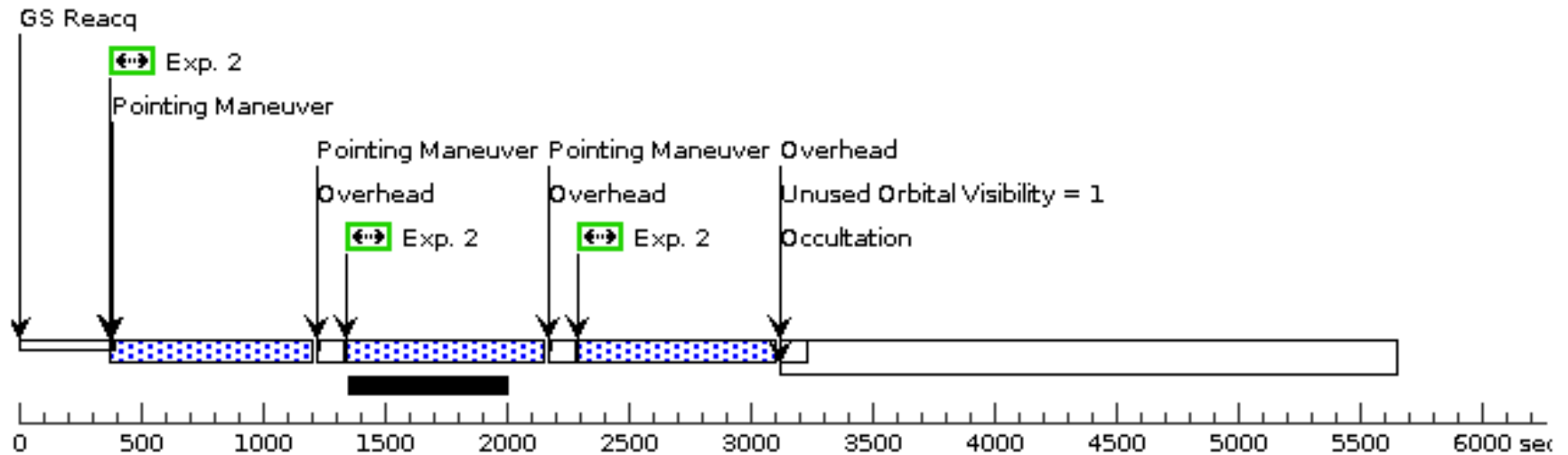
Orbit 1

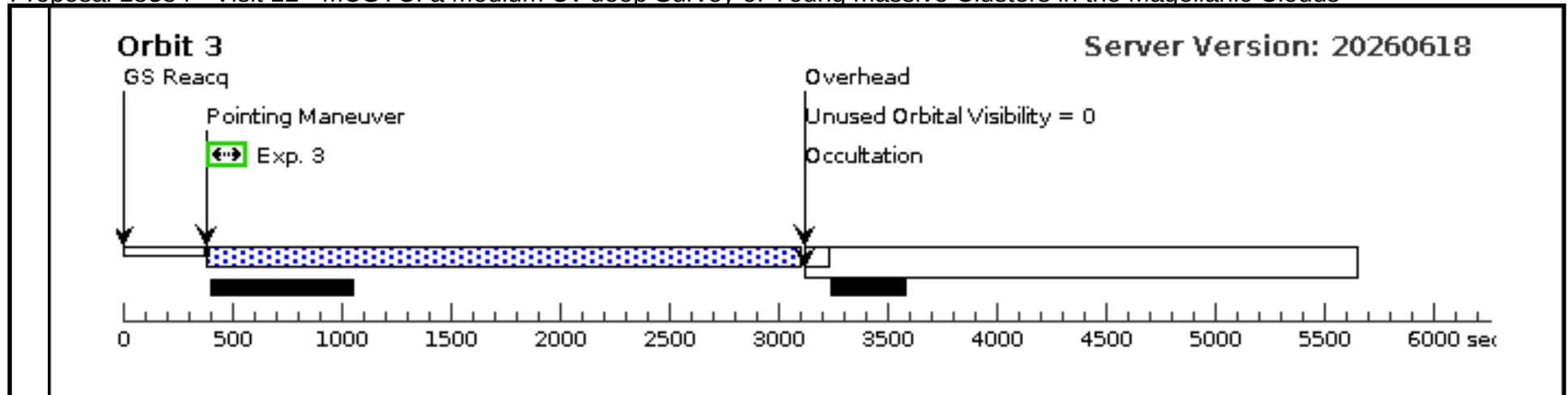
Server Version: 20260618



Orbit 2

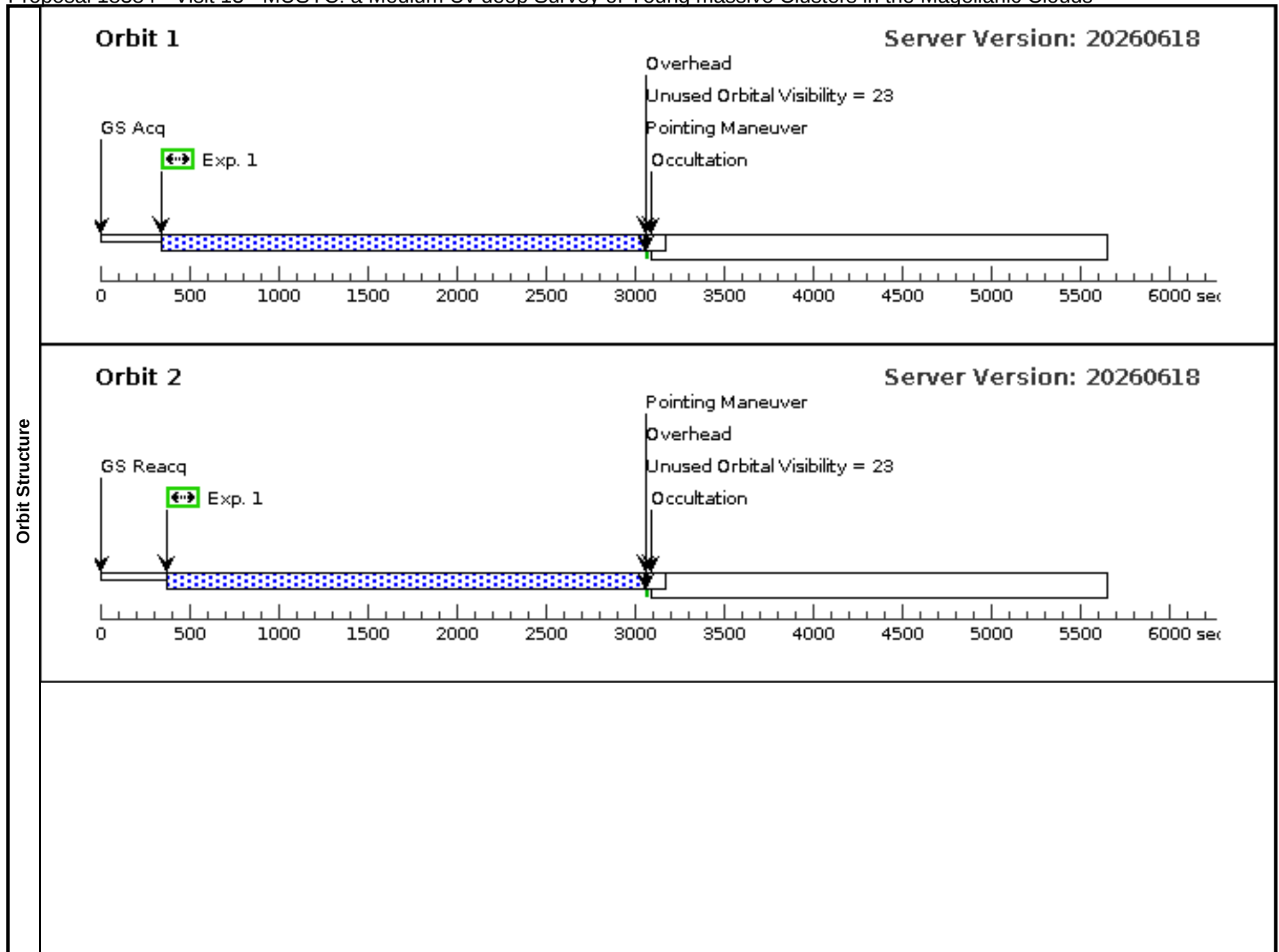
Server Version: 20260618

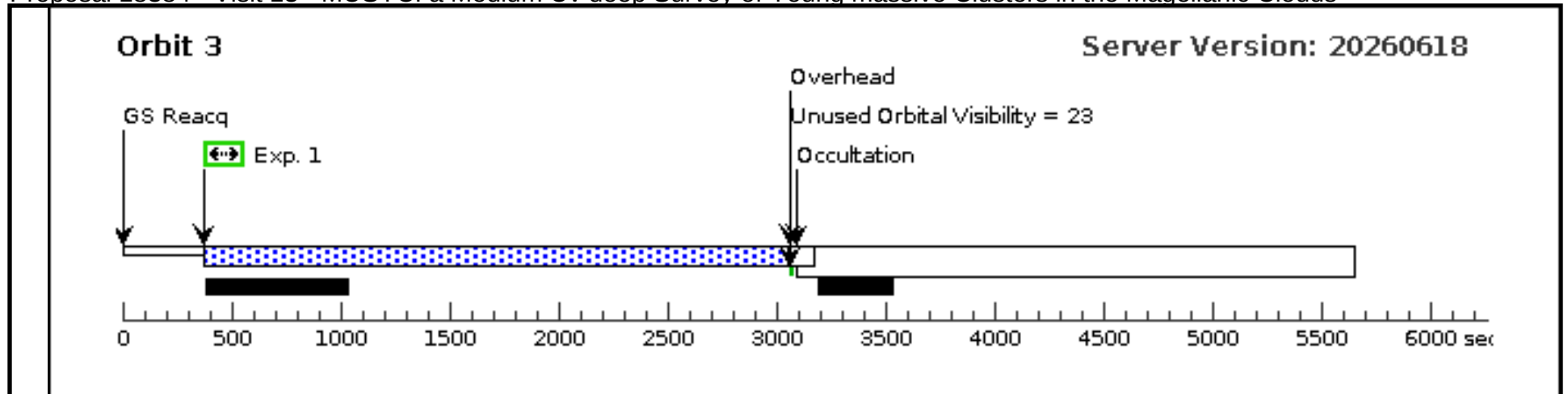




Proposal 18384 - Visit 13 - MUSYC: a Medium Uv deep Survey of Young massive Clusters in the Magellanic Clouds

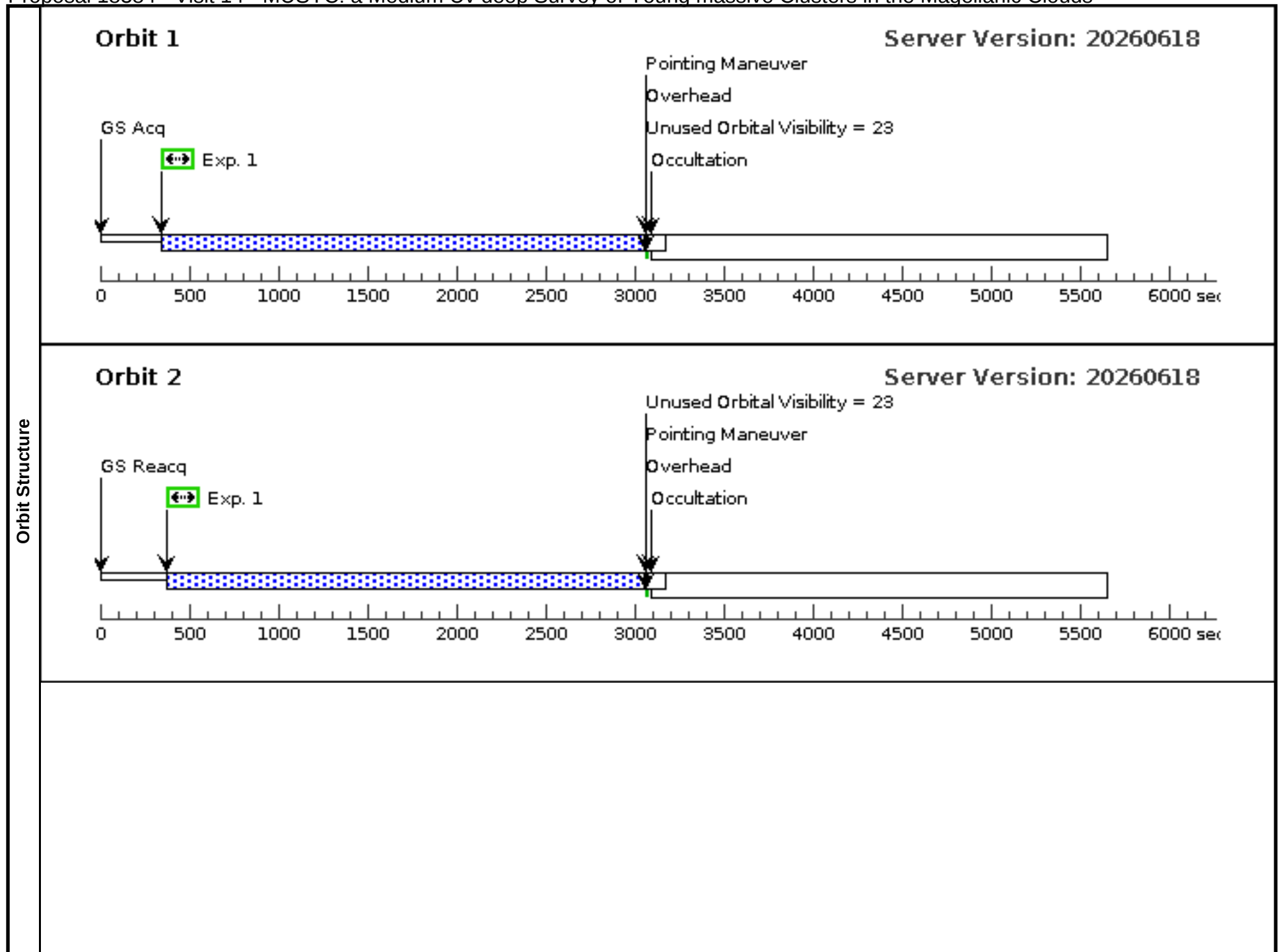
Visit	Proposal 18384, Visit 13										Wed Aug 19 16:01:21 GMT 2026		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/UVIS												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(2)	Pattern Type=WFC3-UVIS-GAP-LINE Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=85.759 Number Of Points=3 Angle Between Sides= Point Spacing=2.414 Center Pattern=true Line Spacing=										(1)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections			Fluxes		Miscellaneous		
	(4)	NGC-1846		RA: 05 07 34.9000 (76.8954167d) Dec: -67 27 32.45 (-67.45901d) Equinox: J2000		Epoch of Position: 2000			V=11.31		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.												
	Category=STELLAR CLUSTER Description=[GLOBULAR CLUSTER]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(4) NGC-1846	WFC3/UVIS, ACCUM, UVIS-CENTER	F343N	FLASH=12		Pattern 2, Exps 1-1 i n Visit 13 (2)	2681 Secs (8043 Secs)				
									[==>(Pattern 1)]		[1]		
									[==>(Pattern 2)]		[2]		
									[==>(Pattern 3)]		[3]		

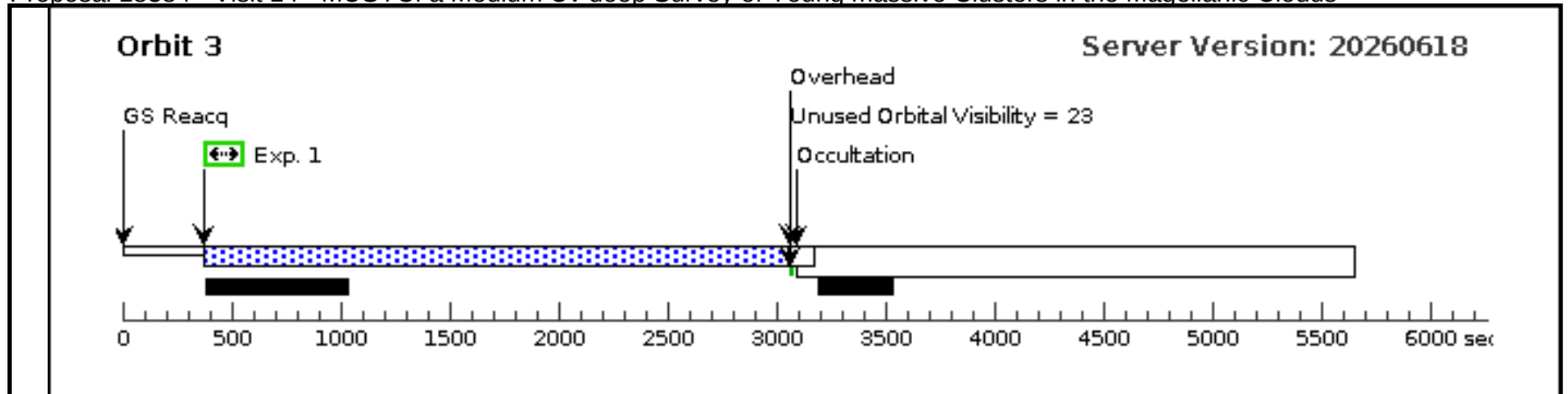




Proposal 18384 - Visit 14 - MUSYC: a Medium Uv deep Survey of Young massive Clusters in the Magellanic Clouds

Visit	Proposal 18384, Visit 14										Wed Aug 19 16:01:21 GMT 2026		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/UVIS												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(2)	Pattern Type=WFC3-UVIS-GAP-LINE Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=85.759 Number Of Points=3 Angle Between Sides= Point Spacing=2.414 Center Pattern=true Line Spacing=										(1)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections			Fluxes		Miscellaneous		
	(4)	NGC-1846		RA: 05 07 34.9000 (76.8954167d) Dec: -67 27 32.45 (-67.45901d) Equinox: J2000		Epoch of Position: 2000			V=11.31		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=STELLAR CLUSTER Description=[GLOBULAR CLUSTER]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(4) NGC-1846	WFC3/UVIS, ACCUM, UVIS-CENTER		F343N	FLASH=12		Pattern 2, Exps 1-1 i n Visit 14 (2)	2681 Secs (8043 Secs)			
										[==>(Pattern 1)]		[1]	
										[==>(Pattern 2)]		[2]	
										[==>(Pattern 3)]		[3]	



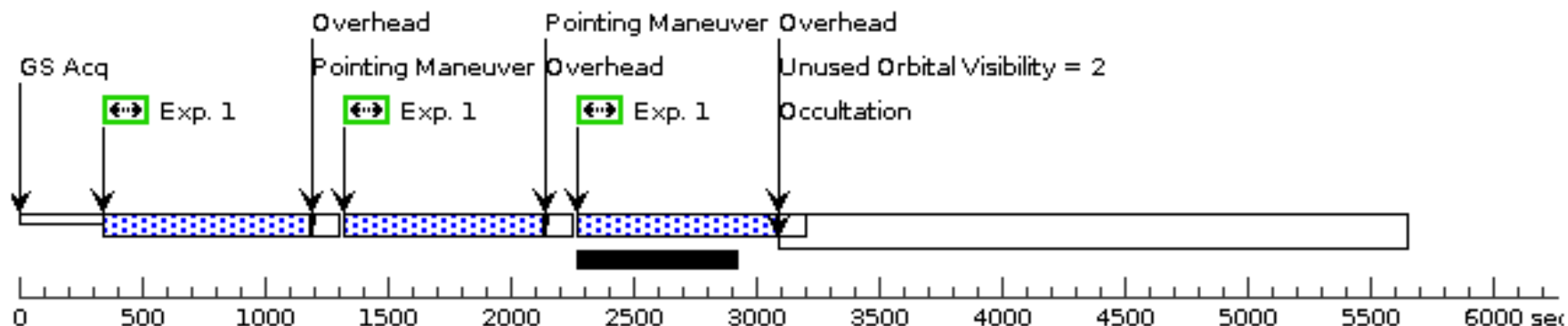


Proposal 18384 - Visit 15 - MUSYC: a Medium Uv deep Survey of Young massive Clusters in the Magellanic Clouds

Visit	Proposal 18384, Visit 15					Wed Aug 19 16:01:21 GMT 2026				
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/UVIS									
	Special Requirements: (none)									
Patterns	#	Primary Pattern			Secondary Pattern		Exposures			
	(2)	Pattern Type=WFC3-UVIS-GAP-LINE Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=85.759 Number Of Points=3 Angle Between Sides= Point Spacing=2.414 Center Pattern=true Line Spacing=					(1), (2)			
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(4)	NGC-1846	RA: 05 07 34.9000 (76.8954167d) Dec: -67 27 32.45 (-67.45901d) Equinox: J2000	Epoch of Position: 2000	V=11.31	Reference Frame: ICRS				
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.									
	Category=STELLAR CLUSTER Description=[GLOBULAR CLUSTER]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(4) NGC-1846	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=20		Pattern 2, Exps 1-1 i n Visit 15 (2)	808 Secs (2424 Secs)	
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	2		(4) NGC-1846	WFC3/UVIS, ACCUM, UVIS-CENTER	F438W	FLASH=12		Pattern 2, Exps 2-2 i n Visit 15 (2)	802 Secs (2406 Secs)	
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[2]
	3		(4) NGC-1846	WFC3/UVIS, ACCUM, UVIS-CENTER	F343N	FLASH=12			2680 Secs (2680 Secs)	
									[==>]	[3]

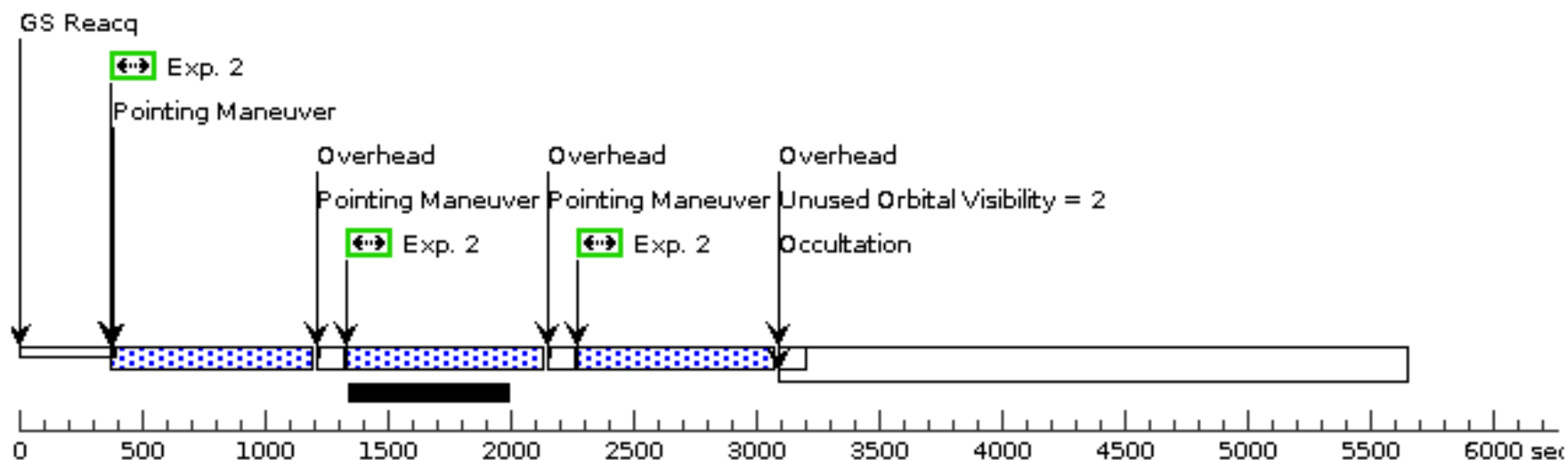
Orbit 1

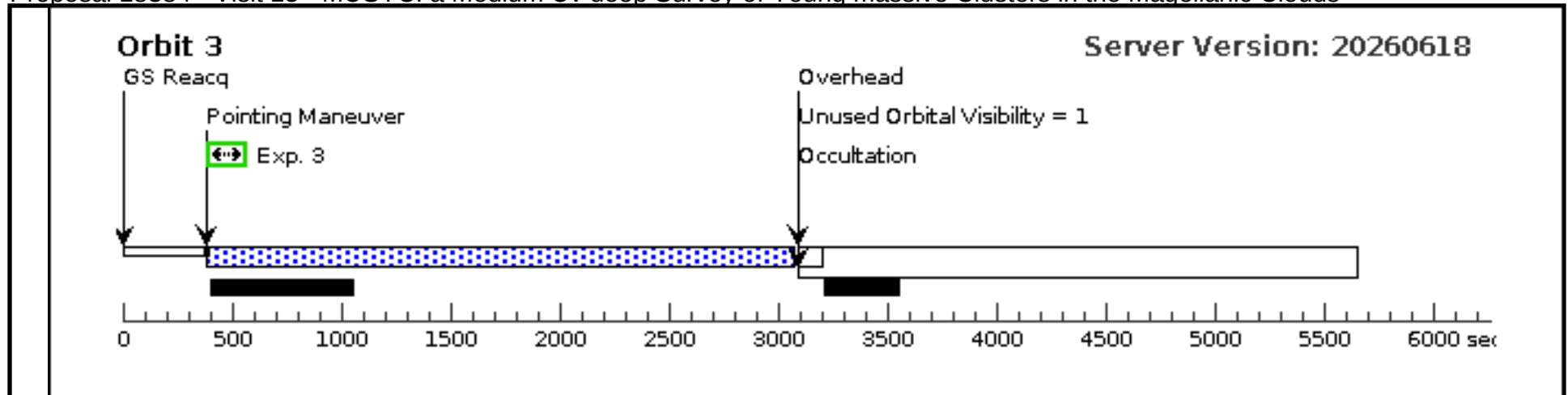
Server Version: 20260618



Orbit 2

Server Version: 20260618



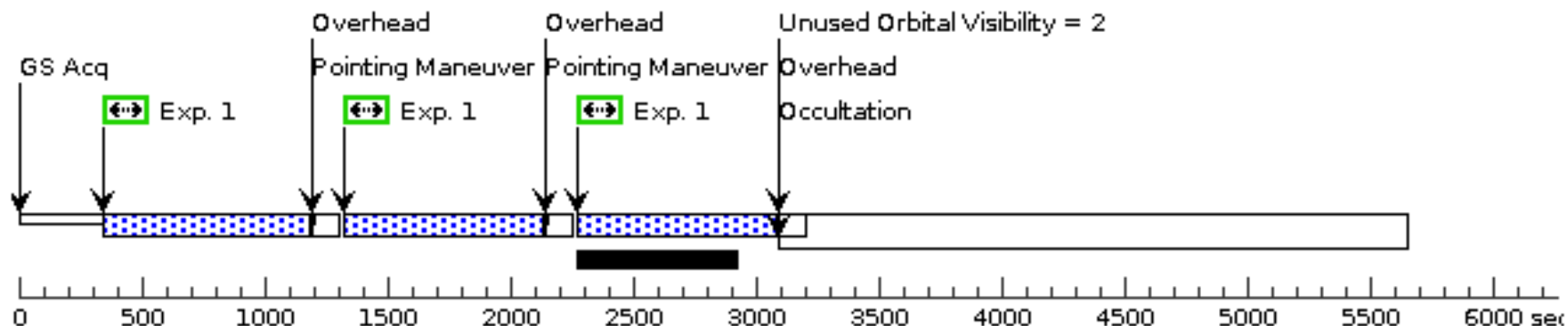


Proposal 18384 - Visit 16 - MUSYC: a Medium Uv deep Survey of Young massive Clusters in the Magellanic Clouds

Visit	Proposal 18384, Visit 16 Wed Aug 19 16:01:21 GMT 2026				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)				
Patterns	#	Primary Pattern	Secondary Pattern		Exposures
	(2)	Pattern Type=WFC3-UVIS-GAP-LINE Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=85.759 Number Of Points=3 Angle Between Sides= Point Spacing=2.414 Center Pattern=true Line Spacing=			(1), (2)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(4)	NGC-1846	RA: 05 07 34.9000 (76.8954167d) Dec: -67 27 32.45 (-67.45901d) Equinox: J2000	Epoch of Position: 2000	V=11.31
	Miscellaneous Reference Frame: ICRS				
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=STELLAR CLUSTER Description=[GLOBULAR CLUSTER]				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1		(4) NGC-1846	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W
					FLASH=20
					Pattern 2, Exps 1-1 i n Visit 16 (2)
					808 Secs (2424 Secs)
					[==>(Pattern 1)]
					[==>(Pattern 2)]
					[==>(Pattern 3)]
	2		(4) NGC-1846	WFC3/UVIS, ACCUM, UVIS-CENTER	F438W
					FLASH=12
					Pattern 2, Exps 2-2 i n Visit 16 (2)
					802 Secs (2406 Secs)
					[==>(Pattern 1)]
					[==>(Pattern 2)]
					[==>(Pattern 3)]
	3		(4) NGC-1846	WFC3/UVIS, ACCUM, UVIS-CENTER	F343N
					FLASH=12
					2680 Secs (2680 Secs)
					[==>]
					[3]

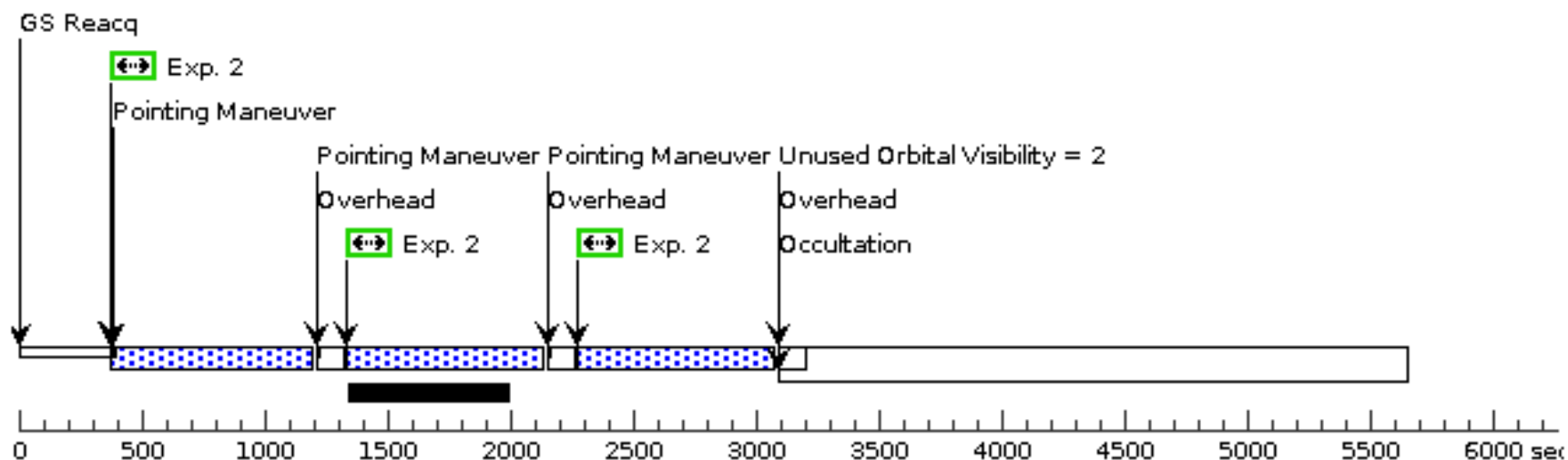
Orbit 1

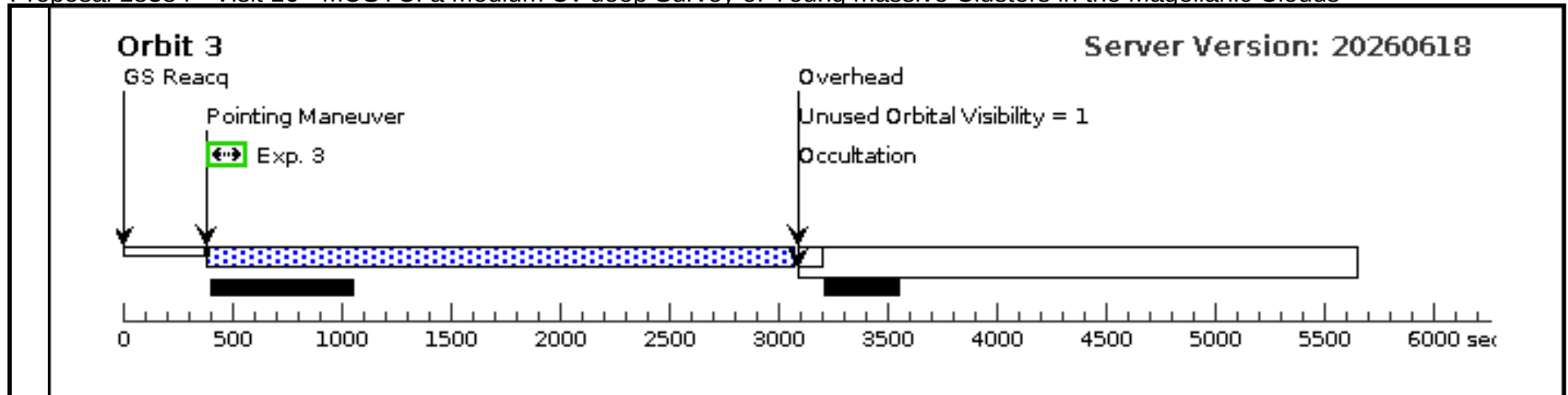
Server Version: 20260618

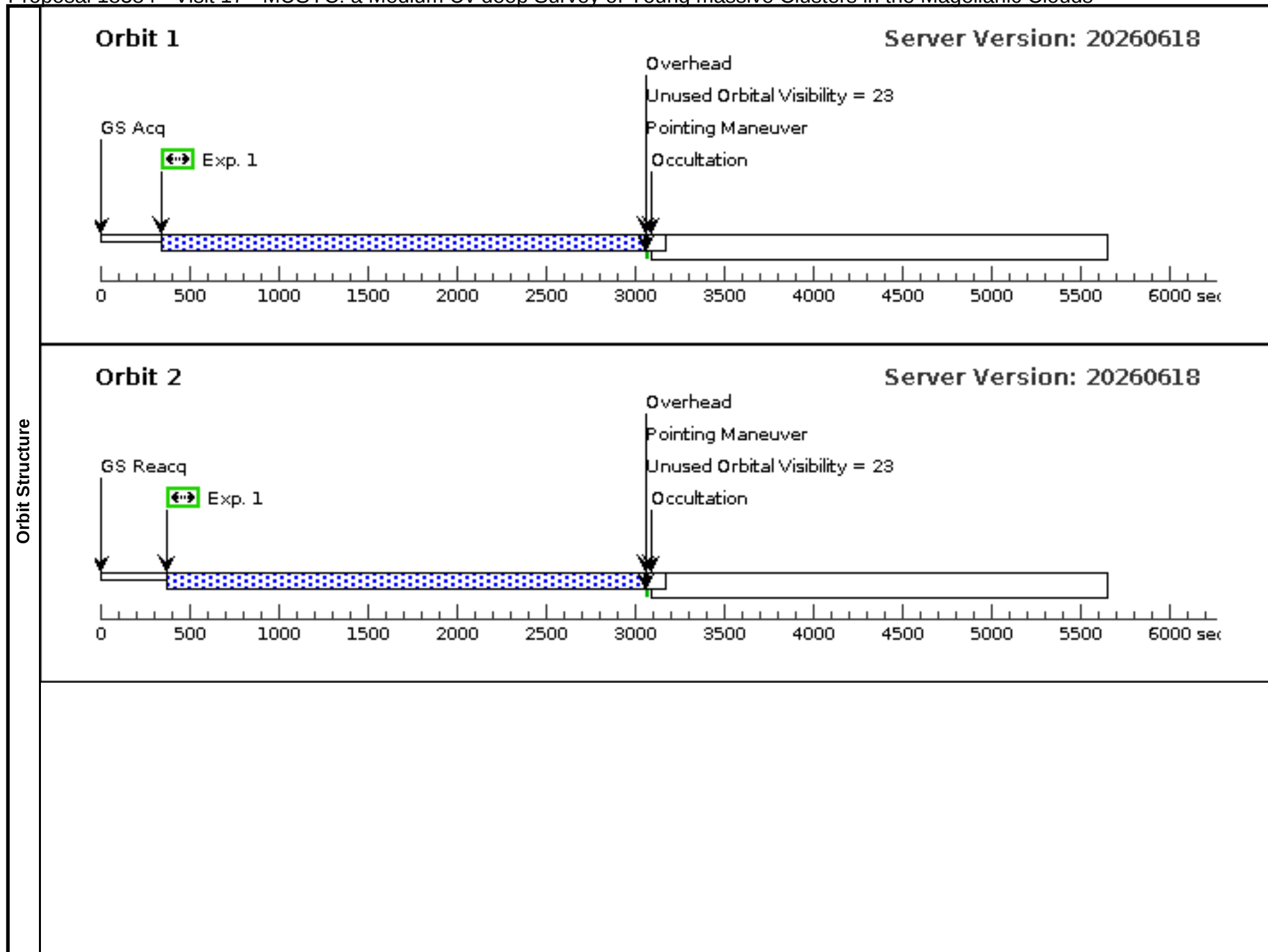


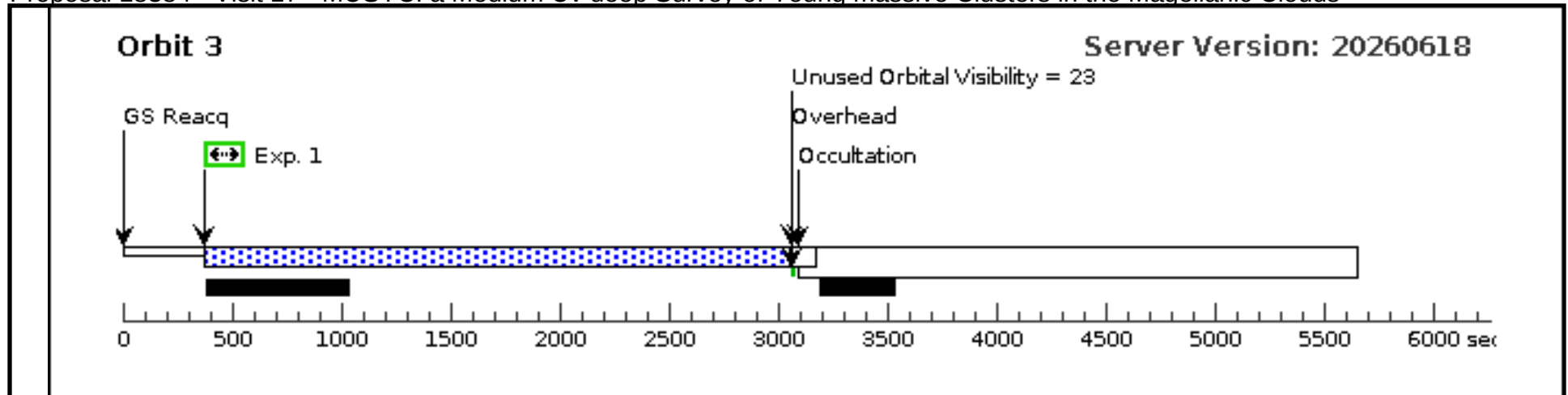
Orbit 2

Server Version: 20260618



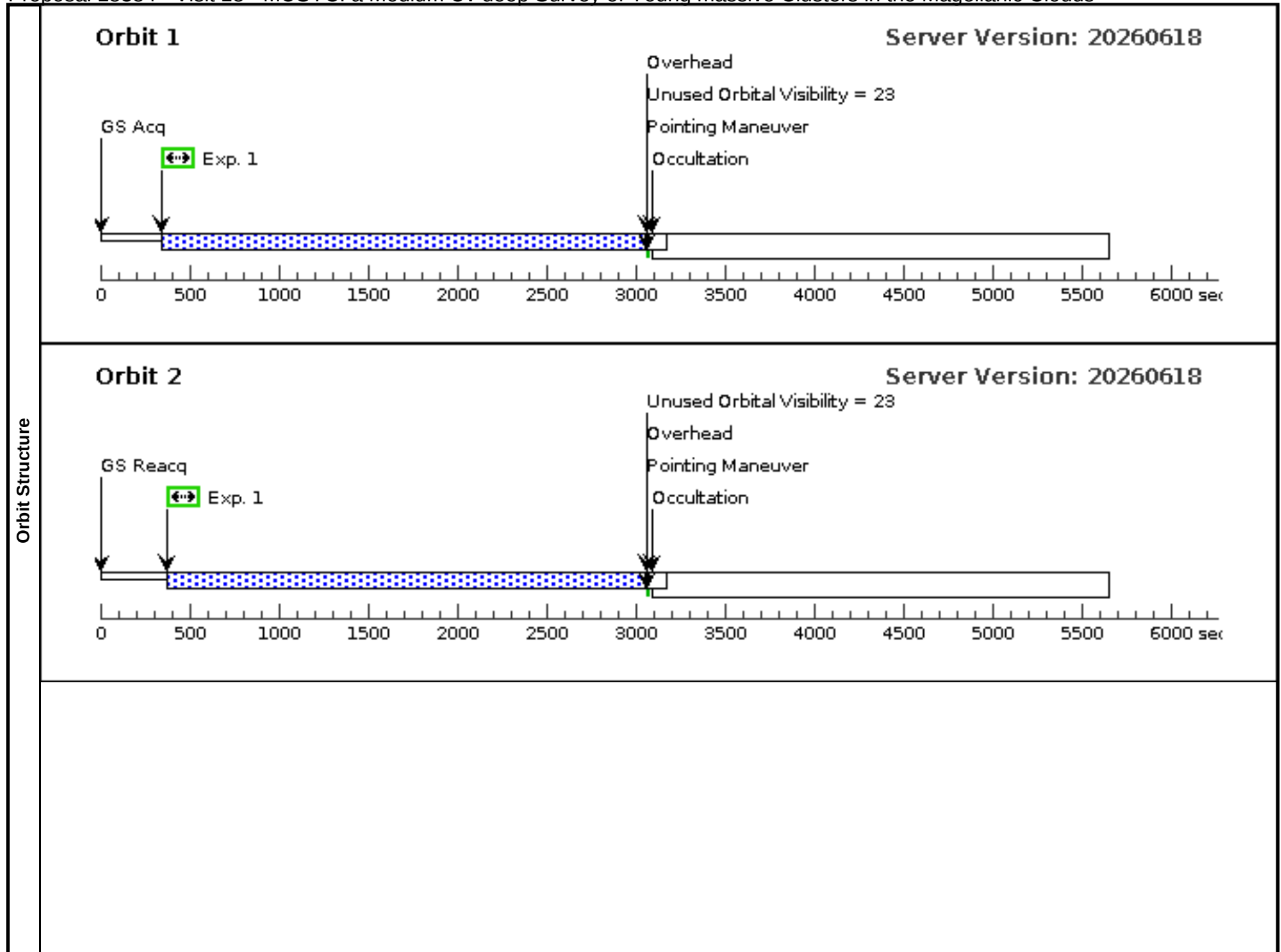


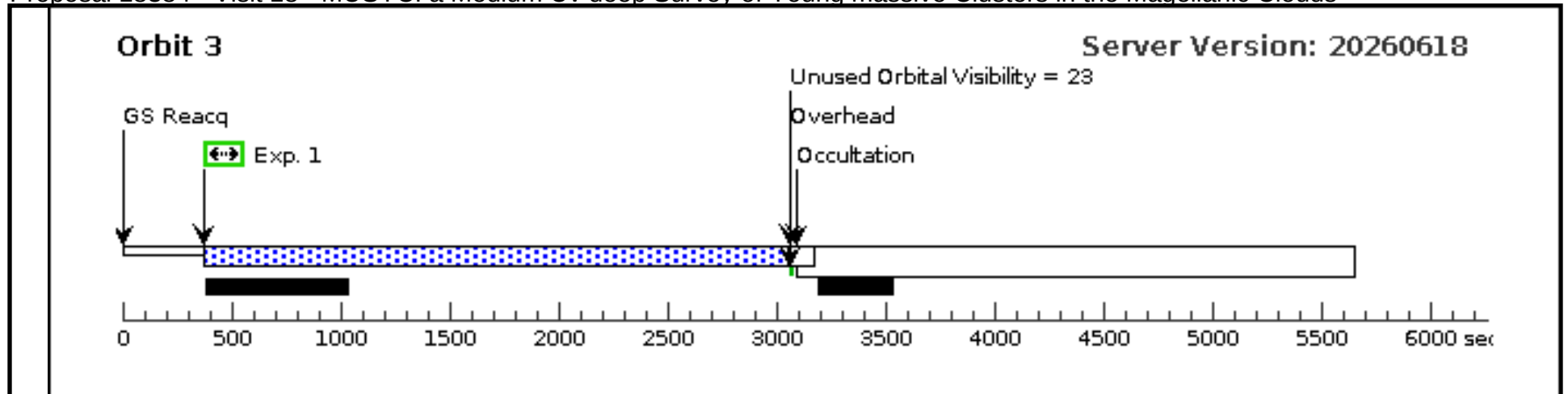




Proposal 18384 - Visit 18 - MUSYC: a Medium Uv deep Survey of Young massive Clusters in the Magellanic Clouds

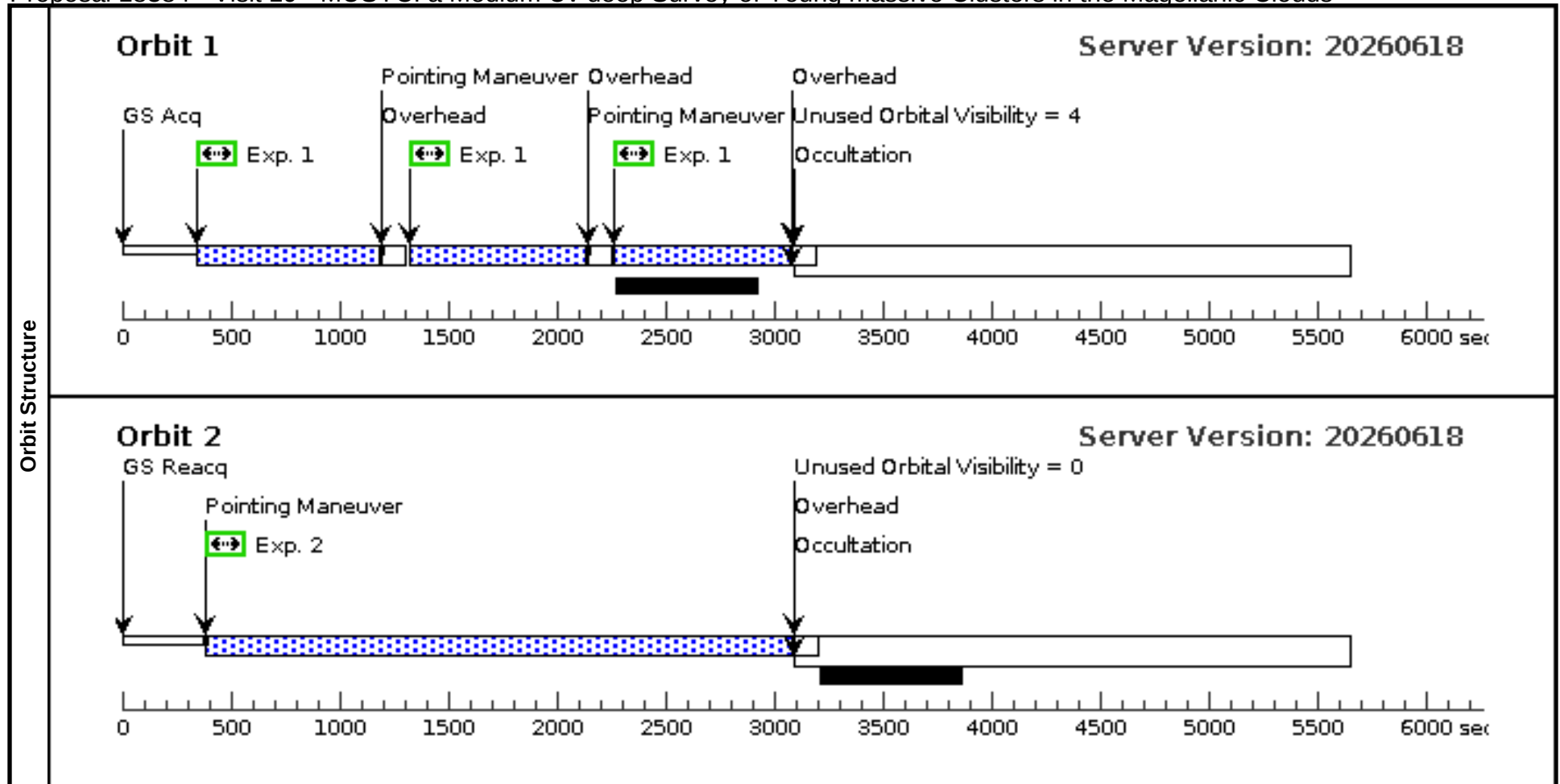
Visit	Proposal 18384, Visit 18										Wed Aug 19 16:01:22 GMT 2026		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/UVIS												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(2)	Pattern Type=WFC3-UVIS-GAP-LINE Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=85.759 Number Of Points=3 Angle Between Sides= Point Spacing=2.414 Center Pattern=true Line Spacing=										(1)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections			Fluxes		Miscellaneous		
	(5)	NGC-1866		RA: 05 13 38.9200 (78.4121667d) Dec: -65 27 52.75 (-65.46465d) Equinox: J2000		Epoch of Position: 2000			V=12		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.												
	Category=STELLAR CLUSTER Description=[GLOBULAR CLUSTER]												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(5) NGC-1866	WFC3/UVIS, ACCUM, UVIS-CENTER		F343N	FLASH=12		Pattern 2, Exps 1-1 i n Visit 18 (2)	2681 Secs (8043 Secs)			
										[==>(Pattern 1)]		[1]	
										[==>(Pattern 2)]		[2]	
										[==>(Pattern 3)]		[3]	





Proposal 18384 - Visit 19 - MUSYC: a Medium Uv deep Survey of Young massive Clusters in the Magellanic Clouds

Visit	Proposal 18384, Visit 19 Wed Aug 19 16:01:22 GMT 2026				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)				
Patterns	#	Primary Pattern	Secondary Pattern		Exposures
	(2)	Pattern Type=WFC3-UVIS-GAP-LINE Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=85.759 Number Of Points=3 Angle Between Sides= Point Spacing=2.414 Center Pattern=true Line Spacing=			(1)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(5)	NGC-1866	RA: 05 13 38.9200 (78.4121667d) Dec: -65 27 52.75 (-65.46465d) Equinox: J2000	Epoch of Position: 2000	V=12
Exposures	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=STELLAR CLUSTER Description=[GLOBULAR CLUSTER]				
	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1	(5) NGC-1866	WFC3/UVIS, ACCUM, UVIS-CENTER	F438W	FLASH=12
	2	(5) NGC-1866	WFC3/UVIS, ACCUM, UVIS-CENTER	F343N	FLASH=12
	Pattern 2, Exps 1-1 i n Visit 19 (2)				810 Secs (2430 Secs)
					[==>(Pattern 1)]
					[==>(Pattern 2)]
					[==>(Pattern 3)]
					2681 Secs (2681 Secs)
					[==>]
					[1]
					[2]



Proposal 18384 - Visit 20 - MUSYC: a Medium Uv deep Survey of Young massive Clusters in the Magellanic Clouds

Visit	Proposal 18384, Visit 20										Wed Aug 19 16:01:22 GMT 2026		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: WFC3/UVIS												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(2)	Pattern Type=WFC3-UVIS-GAP-LINE Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=85.759 Number Of Points=3 Angle Between Sides= Point Spacing=2.414 Center Pattern=true Line Spacing=										(1)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous				
	(5)	NGC-1866	RA: 05 13 38.9200 (78.4121667d) Dec: -65 27 52.75 (-65.46465d) Equinox: J2000		Epoch of Position: 2000		V=12		Reference Frame: ICRS				
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.												
	Category=STELLAR CLUSTER Description=[GLOBULAR CLUSTER]												
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit		
	1		(5) NGC-1866	WFC3/UVIS, ACCUM, UVIS-CENTER	F438W	FLASH=12		Pattern 2, Exps 1-1 i n Visit 20 (2)	810 Secs (2430 Secs)				
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]			
	2		(5) NGC-1866	WFC3/UVIS, ACCUM, UVIS-CENTER	F343N	FLASH=12			2681 Secs (2681 Secs)				
									[==>]	[2]			

