



18386 - Probing the Existence of the Elusive Ultracompact White Dwarf Binaries in a Dense Globular Cluster

Cycle: 34, Proposal Category: GO

(UV Initiative)

(Availability Mode: SUPPORTED)

INVESTIGATORS

<i>Name</i>	<i>Institution</i>
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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) NGC-6752 ANY	ACS/WFC WFC3/UVIS	3	12-Aug-2026 16:00:18.0	yes
02	(1) NGC-6752 ANY	ACS/WFC WFC3/UVIS	3	12-Aug-2026 16:00:21.0	yes
03	(1) NGC-6752 ANY	ACS/WFC WFC3/UVIS	2	12-Aug-2026 16:00:22.0	yes
04	(1) NGC-6752 ANY	ACS/WFC WFC3/UVIS	1	12-Aug-2026 16:00:23.0	yes
05	(1) NGC-6752 ANY	ACS/WFC WFC3/UVIS	1	12-Aug-2026 16:00:24.0	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>
06	(1) NGC-6752 ANY	ACS/WFC WFC3/UVIS	1	12-Aug-2026 16:00:25.0	yes
07	(1) NGC-6752 ANY	ACS/WFC WFC3/UVIS	1	12-Aug-2026 16:00:26.0	yes
08	(1) NGC-6752 ANY	ACS/WFC WFC3/UVIS	1	12-Aug-2026 16:00:27.0	yes
09	(1) NGC-6752 ANY	ACS/WFC WFC3/UVIS	1	12-Aug-2026 16:00:27.0	yes

14 Total Orbits Used

ABSTRACT

Globular clusters (GCs) are believed to be important factories of exotic binaries that harbor stellar remnants, which formation is enhanced due to dynamical interactions because of their high stellar densities. One of the populations expected to be abundant in GCs is the one of accreting double white dwarfs (or AM CVns). These are binaries with orbital periods between 5-70 min which lack H. However, not a single AM CVn has been confirmed yet in any GC, raising concerns about their existence in those very dense environments. This proposal aims to monitor in UV and narrow filter the low extinction and high stellar density globular cluster NGC 6752 to identify AM CVns via their transient behavior and photometric excesses. Using this innovative technique we will test dynamical formation and evolutionary models of these binaries in GCs. We will also compare their characteristics to the known population of AM CVns in the Galactic disk. Should the discovery of an upper limit on the identification rate be lower than anticipated, it would challenge the current understanding of GCs as efficient factories of compact binaries, particularly those containing white dwarfs. The study of white dwarf binaries in GCs will also have implications for the gravitational wave source detection in GCs with missions like LISA.

OBSERVING DESCRIPTION

Our goal is to identify blue transients in the cluster, especially those which are He-rich. The program is composed of 14 orbits divided in 9 visits. Visits 1 and 2 have 3 orbits each, visit 4 has 2 orbits and the remaining 6 have one orbit each.

The primaries of the first 2 orbits of visits 1 and 2, and the first orbit of visit 3 are devoted to the filters F469N and F475W to detect helium. We took 2 images per filter per orbit to remove artifacts. We dedicated more time to the narrow filter F469N which has a very low transmission. We obtained

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around 1800s total per orbit in the filter F469N and 440s in the wider filter F475W. We think that despite having an exposure of 1000s in the narrow filter, its low transmission will prevent saturation.

For the primaries in the UV (visits 1-9) we use the F225W and F275W filters on the UVIS channel of WFC3 in order to overcome the stellar crowding. We point at the center of the cluster. In order to remove cosmic rays and other artifacts we obtain 2 images per filter for a total of 4 per orbit. In orbits 1-9 each F225W observation has an exposure of 700s or less and the F275W observations have 600s or less, optimized to obtain the similar signal-to-noise. For the primaries, the strategy is the same for each of the 9 visits.

We simultaneously obtain parallel observations with the WFC on the ACS. We are using 3 filters: F435W, F635W and F658N. Due to dumping and maneuver times to cover the chip gaps, we accomodate 4 parallel images per orbit. Our strategy is to obtain 2 images in 2 different filters every orbit, alternating between the F435W and F658N filters between visits. This help us to remove cosmic rays and other artifacts each orbit, giving us reliable colors of the sources identified. For the first parallel visit we use the combination F625W and F435W, with longer exposures in F435W because it is the bluer filter. The total exposure times per orbit are around 320s for F625W and 630s for F435W, each divided in 2 observations.

For the second parallel visit we use the combination F625W and F658N. In this case we give more weight to the narrow filter. Total exposure times are around 320s in F625W and 670s in F658N, divided in 2 observations each. Our third and fourth observations are similar to our first and second one, respectively. The rest repeat the pattern.

We set up our dithers as POS-TARGS. We use similar values to the ones given by the WFC3-UVIS-MOSAIC-LINE strategy, which according to the documentation (section "C.2 WFC3 Patterns" of the WFC3 handbook) steps the gap on both detectors and it is used for full-frame WFC3-UVIS with ACS-WFC in parallel. The values used are $X=1.446$ arcsec, $Y=2.926$ arcsec and were set after the second primary observation in each visit.

No timing restrictions for the first visit are placed. However, subsequent visits must be scheduled between 10-25 days from the previous one.

We give a post flash of 17-20 e-/pix for each WFC3-UVIS images to account for the increasing CTE losses on the detector, as was recommended by the documentaion (ISR 2020-08: Strategies for Mitigation of CTE Losses in WFC3/UVIS) .

Proposal 18386 - Visit 01 - Probing the Existence of the Elusive Ultracompact White Dwarf Binaries in a Dense Globular Cluster

Visit	Proposal 18386, Visit 01 Wed Aug 12 20:00:28 GMT 2026				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: (none)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(1)	NGC-6752	RA: 19 10 52.1100 (287.7171250d) Dec: -59 59 4.40 (-59.98456d) Equinox: J2000		V=5.4
Comments: Category=STELLAR CLUSTER Description=[GLOBULAR CLUSTER]					
Reference Frame: ICRS					

Proposal 18386 - Visit 01 - Probing the Existence of the Elusive Ultracompact White Dwarf Binaries in a Dense Globular Cluster

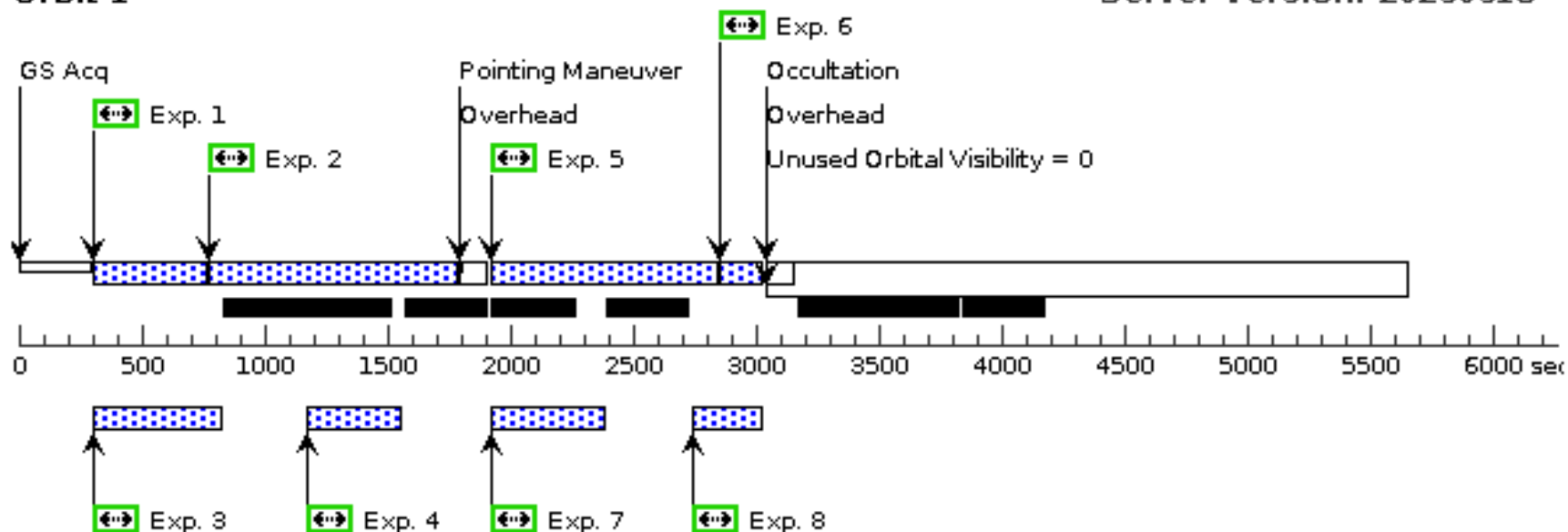
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F475W	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER	F475W	FLASH=18		Prime + Parallel Group 1-4 in Visit 01	300 Secs (300 Secs)	
									[==>]	[1]
	2	F469N	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER	F469N	FLASH=20		Prime + Parallel Group 1-4 in Visit 01	996 Secs (996 Secs)	
									[==>]	[1]
	3	F435W	ANY	ACS/WFC, ACCUM, WFCENTER	F435W			Prime + Parallel Group 1-4 in Visit 01	310 Secs (310 Secs)	
									[==>]	[1]
	4	F625W	ANY	ACS/WFC, ACCUM, WFCENTER	F625W			Prime + Parallel Group 1-4 in Visit 01	200 Secs (200 Secs)	
									[==>]	[1]
	5	F469N	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER	F469N	FLASH=17	POS TARG 1.446,2.926	Prime + Parallel Group 5-8 in Visit 01	800 Secs (800 Secs)	
									[==>]	[1]
	6	F475W	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER	F475W	FLASH=17	POS TARG 1.446,2.926	Prime + Parallel Group 5-8 in Visit 01	140 Secs (140 Secs)	
									[==>]	[1]
	7	F435W	ANY	ACS/WFC, ACCUM, WFCENTER	F435W			Prime + Parallel Group 5-8 in Visit 01	285 Secs (285 Secs)	
									[==>]	[1]
	8	F625W	ANY	ACS/WFC, ACCUM, WFCENTER	F625W			Prime + Parallel Group 5-8 in Visit 01	100 Secs (100 Secs)	
									[==>]	[1]
	9	F475W	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER	F475W	FLASH=18		Prime + Parallel Group 9-12 in Visit 01	300 Secs (300 Secs)	
									[==>]	[2]
	10	F469N	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER	F469N	FLASH=20		Prime + Parallel Group 9-12 in Visit 01	1000 Secs (1000 Secs)	
									[==>]	[2]
	11	F658N	ANY	ACS/WFC, ACCUM, WFCENTER	F658N			Prime + Parallel Group 9-12 in Visit 01	330 Secs (330 Secs)	
									[==>]	[2]
	12	F625W	ANY	ACS/WFC, ACCUM, WFCENTER	F625W			Prime + Parallel Group 9-12 in Visit 01	200 Secs (200 Secs)	
									[==>]	[2]
	13	F469N	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER	F469N	FLASH=17	POS TARG 1.446,2.926	Prime + Parallel Group 13-16 in Visit 01	804 Secs (804 Secs)	
									[==>]	[2]
	14	F475W	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER	F475W	FLASH=17	POS TARG 1.446,2.926	Prime + Parallel Group 13-16 in Visit 01	140 Secs (140 Secs)	
									[==>]	[2]
	15	F658N	ANY	ACS/WFC, ACCUM, WFCENTER	F658N			Prime + Parallel Group 13-16 in Visit 01	285 Secs (285 Secs)	
									[==>]	[2]
	16	F625W	ANY	ACS/WFC, ACCUM, WFCENTER	F625W			Prime + Parallel Group 13-16 in Visit 01	100 Secs (100 Secs)	
									[==>]	[2]
	17	F275W	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=18		Prime + Parallel Group 17-20 in Visit 01	600 Secs (600 Secs)	
									[==>]	[3]
	18	F225W	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER	F225W	FLASH=17		Prime + Parallel Group 17-20 in Visit 01	697 Secs (697 Secs)	
									[==>]	[3]
	19	F625W	ANY	ACS/WFC, ACCUM, WFCENTER	F625W			Prime + Parallel Group 17-20 in Visit 01	200 Secs (200 Secs)	
									[==>]	[3]
	20	F435W	ANY	ACS/WFC, ACCUM, WFCENTER	F435W			Prime + Parallel Group 17-20 in Visit 01	300 Secs (300 Secs)	
									[==>]	[3]
	21	F225W	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER	F225W	FLASH=17	POS TARG 1.446,2.926	Prime + Parallel Group 21-24 in Visit 01	450 Secs (450 Secs)	
									[==>]	[3]
	22	F275W	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=18	POS TARG 1.446,2.926	Prime + Parallel Group 21-24 in Visit 01	477 Secs (477 Secs)	
									[==>]	[3]

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	23	F435W	ANY	ACS/WFC, ACCUM, WFCENTER	F435W	Prime + Parallel Group 21-24 in Visit 01	320 Secs (320 Secs)	
							[==>]	[3]
	24	F625W	ANY	ACS/WFC, ACCUM, WFCENTER	F625W	Prime + Parallel Group 21-24 in Visit 01	100 Secs (100 Secs)	
							[==>]	[3]

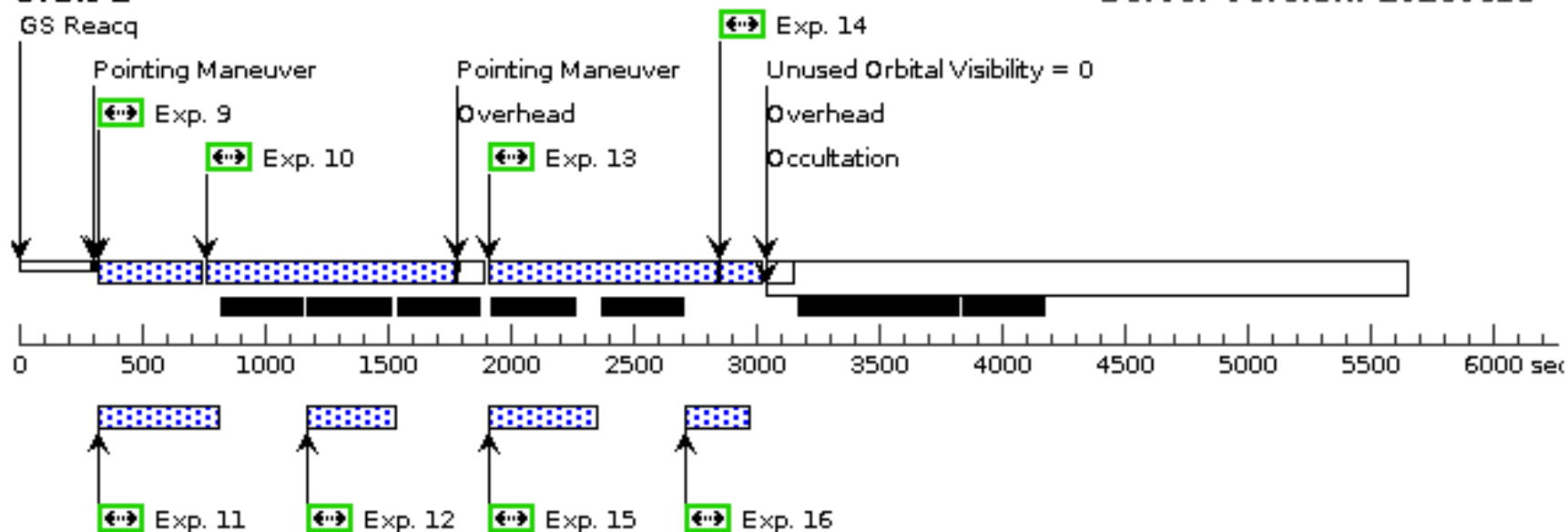
Orbit 1

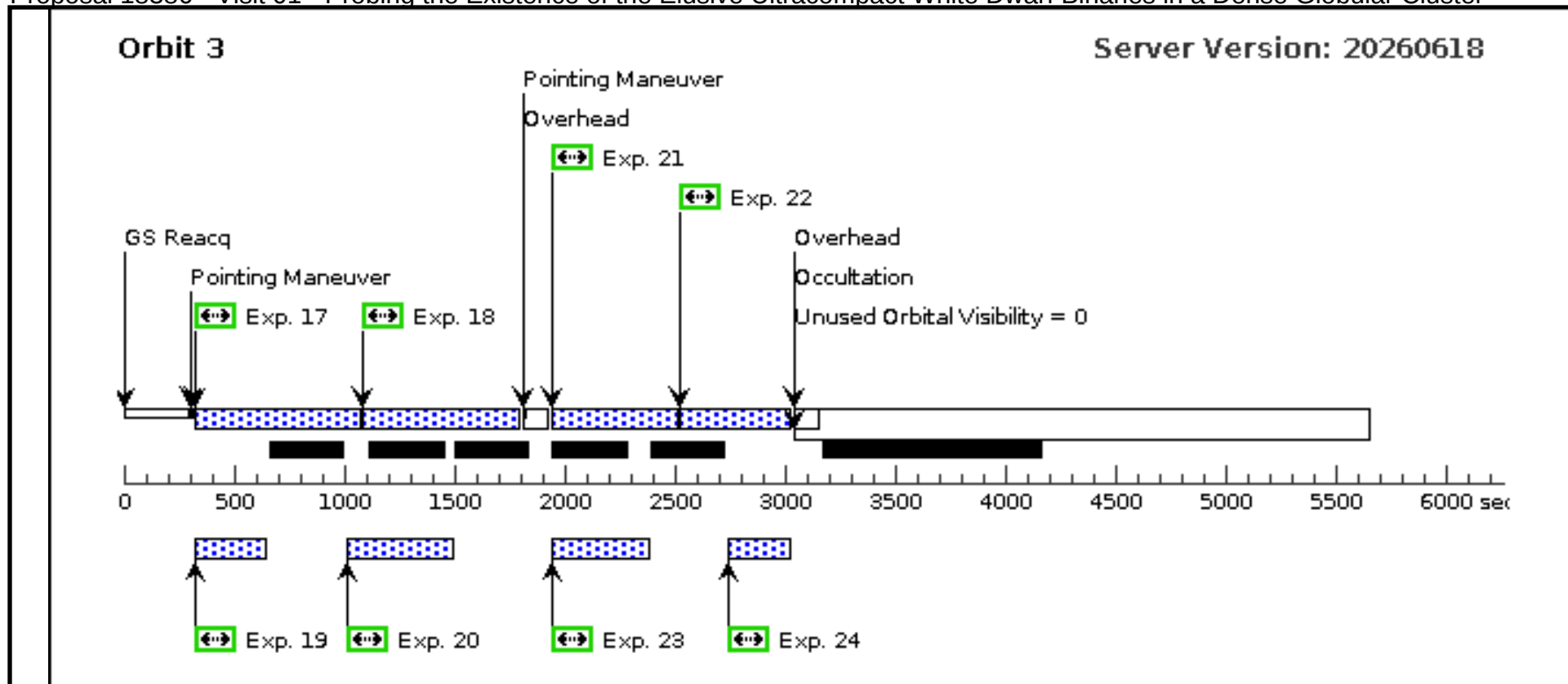
Server Version: 20260618



Orbit 2

Server Version: 20260618





Proposal 18386 - Visit 02 - Probing the Existence of the Elusive Ultracompact White Dwarf Binaries in a Dense Globular Cluster

Visit	Proposal 18386, Visit 02 Wed Aug 12 20:00:28 GMT 2026				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: AFTER 01 BY 10 D TO 25 D				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(1)	NGC-6752	RA: 19 10 52.1100 (287.7171250d) Dec: -59 59 4.40 (-59.98456d) Equinox: J2000		V=5.4
Comments: Category=STELLAR CLUSTER Description=[GLOBULAR CLUSTER]					
Reference Frame: ICRS					

Proposal 18386 - Visit 02 - Probing the Existence of the Elusive Ultracompact White Dwarf Binaries in a Dense Globular Cluster

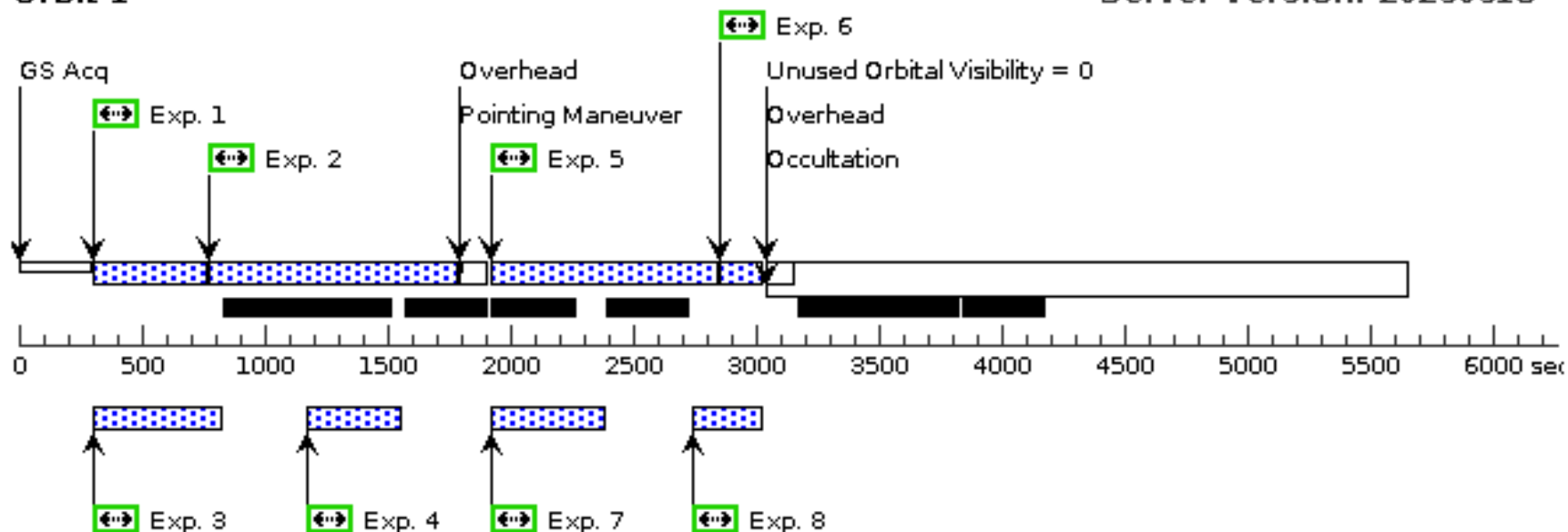
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F475W	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER	F475W	FLASH=18		Prime + Parallel Group 1-4 in Visit 02	300 Secs (300 Secs)	
									[==>]	[1]
	2	F469N	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER	F469N	FLASH=20		Prime + Parallel Group 1-4 in Visit 02	996 Secs (996 Secs)	
									[==>]	[1]
	3	F435W	ANY	ACS/WFC, ACCUM, WFCENTER	F435W			Prime + Parallel Group 1-4 in Visit 02	310 Secs (310 Secs)	
									[==>]	[1]
	4	F625W	ANY	ACS/WFC, ACCUM, WFCENTER	F625W			Prime + Parallel Group 1-4 in Visit 02	200 Secs (200 Secs)	
									[==>]	[1]
	5	F469N	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER	F469N	FLASH=17	POS TARG 1.446,2.926	Prime + Parallel Group 5-8 in Visit 02	800 Secs (800 Secs)	
									[==>]	[1]
	6	F475W	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER	F475W	FLASH=17	POS TARG 1.446,2.926	Prime + Parallel Group 5-8 in Visit 02	140 Secs (140 Secs)	
									[==>]	[1]
	7	F435W	ANY	ACS/WFC, ACCUM, WFCENTER	F435W			Prime + Parallel Group 5-8 in Visit 02	285 Secs (285 Secs)	
									[==>]	[1]
	8	F625W	ANY	ACS/WFC, ACCUM, WFCENTER	F625W			Prime + Parallel Group 5-8 in Visit 02	100 Secs (100 Secs)	
									[==>]	[1]
	9	F475W	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER	F475W	FLASH=18		Prime + Parallel Group 9-12 in Visit 02	300 Secs (300 Secs)	
									[==>]	[2]
	10	F469N	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER	F469N	FLASH=20		Prime + Parallel Group 9-12 in Visit 02	1000 Secs (1000 Secs)	
									[==>]	[2]
	11	F658N	ANY	ACS/WFC, ACCUM, WFCENTER	F658N			Prime + Parallel Group 9-12 in Visit 02	330 Secs (330 Secs)	
									[==>]	[2]
	12	F625W	ANY	ACS/WFC, ACCUM, WFCENTER	F625W			Prime + Parallel Group 9-12 in Visit 02	200 Secs (200 Secs)	
									[==>]	[2]
	13	F469N	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER	F469N	FLASH=17	POS TARG 1.446,2.926	Prime + Parallel Group 13-16 in Visit 02	804 Secs (804 Secs)	
									[==>]	[2]
	14	F475W	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER	F475W	FLASH=17	POS TARG 1.446,2.926	Prime + Parallel Group 13-16 in Visit 02	140 Secs (140 Secs)	
									[==>]	[2]
	15	F658N	ANY	ACS/WFC, ACCUM, WFCENTER	F658N			Prime + Parallel Group 13-16 in Visit 02	285 Secs (285 Secs)	
									[==>]	[2]
	16	F625W	ANY	ACS/WFC, ACCUM, WFCENTER	F625W			Prime + Parallel Group 13-16 in Visit 02	100 Secs (100 Secs)	
									[==>]	[2]
	17	F275W	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=18		Prime + Parallel Group 17-20 in Visit 02	600 Secs (600 Secs)	
									[==>]	[3]
	18	F225W	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER	F225W	FLASH=17		Prime + Parallel Group 17-20 in Visit 02	684 Secs (684 Secs)	
									[==>]	[3]
	19	F625W	ANY	ACS/WFC, ACCUM, WFCENTER	F625W			Prime + Parallel Group 17-20 in Visit 02	220 Secs (220 Secs)	
									[==>]	[3]
	20	F658N	ANY	ACS/WFC, ACCUM, WFCENTER	F658N			Prime + Parallel Group 17-20 in Visit 02	320 Secs (320 Secs)	
									[==>]	[3]
	21	F225W	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER	F225W	FLASH=17	POS TARG 1.446,2.926	Prime + Parallel Group 21-24 in Visit 02	450 Secs (450 Secs)	
									[==>]	[3]
	22	F275W	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=18	POS TARG 1.446,2.926	Prime + Parallel Group 21-24 in Visit 02	490 Secs (490 Secs)	
									[==>]	[3]

Proposal 18386 - Visit 02 - Probing the Existence of the Elusive Ultracompact White Dwarf Binaries in a Dense Globular Cluster

	23	F658N	ANY	ACS/WFC, ACCUM, WFCENTER	F658N	Prime + Parallel Group 21-24 in Visit 02	354 Secs (354 Secs)	
							[==>]	[3]
	24	F625W	ANY	ACS/WFC, ACCUM, WFCENTER	F625W	Prime + Parallel Group 21-24 in Visit 02	100 Secs (100 Secs)	
							[==>]	[3]

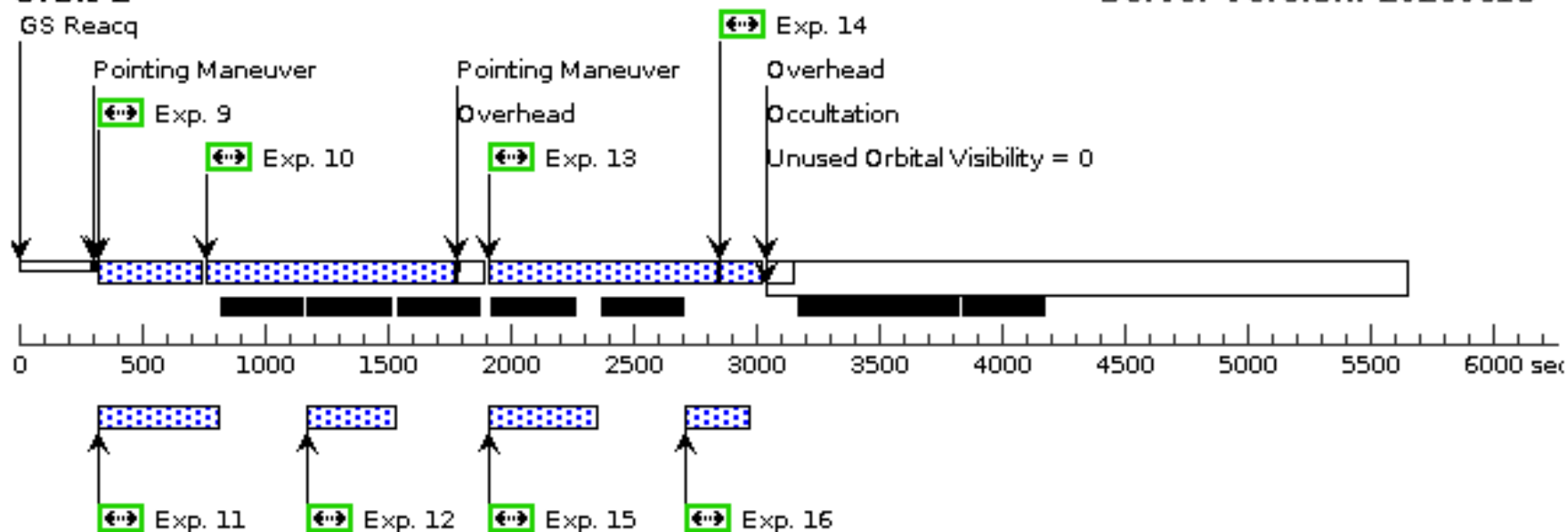
Orbit 1

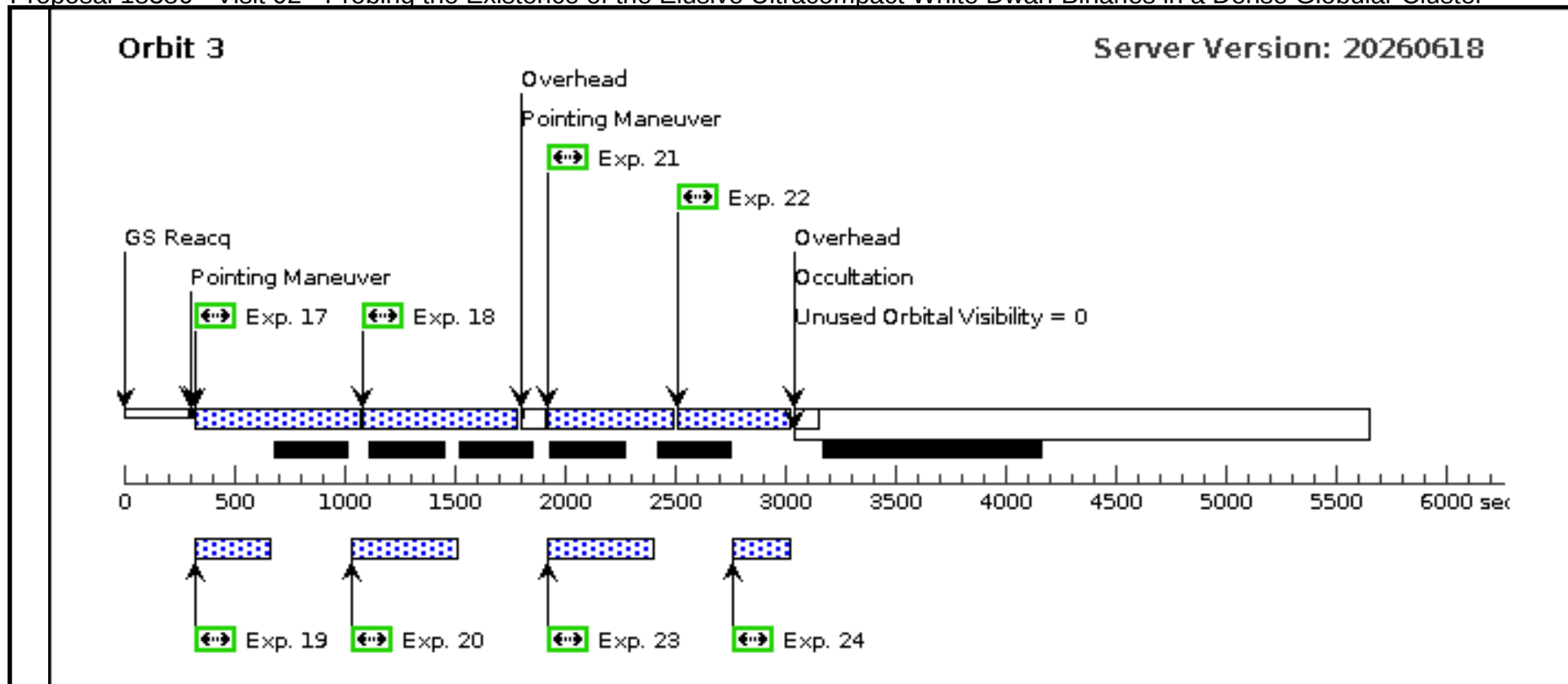
Server Version: 20260618



Orbit 2

Server Version: 20260618





Proposal 18386 - Visit 03 - Probing the Existence of the Elusive Ultracompact White Dwarf Binaries in a Dense Globular Cluster

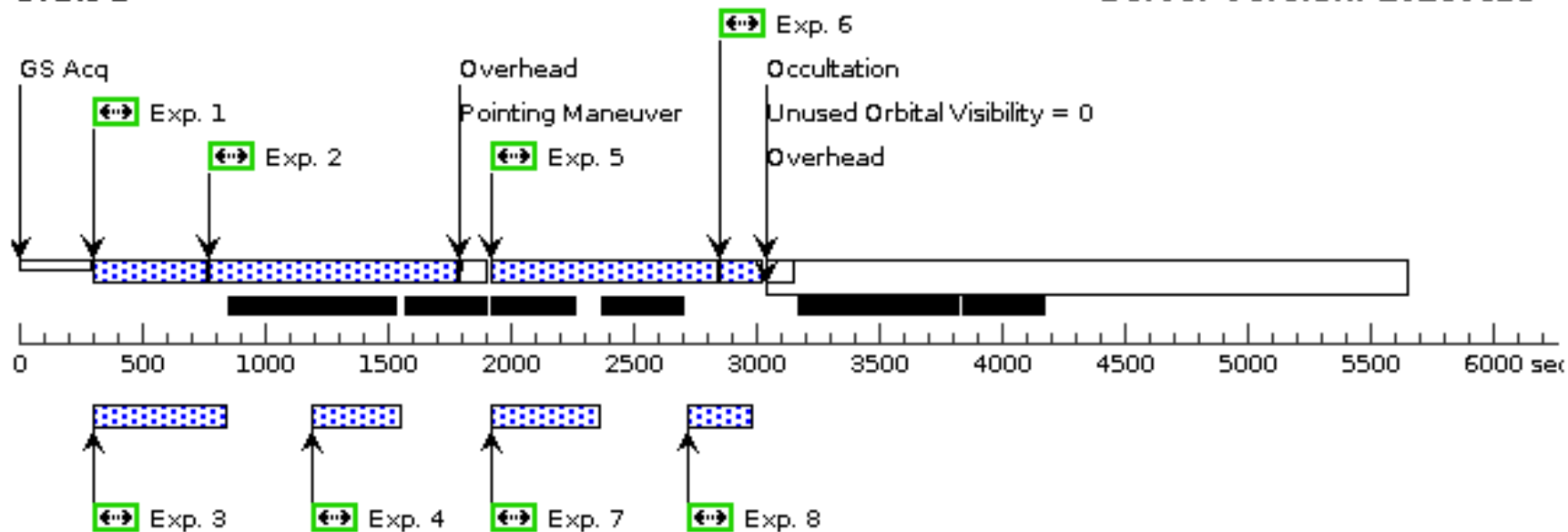
Visit	Proposal 18386, Visit 03					Wed Aug 12 20:00:28 GMT 2026
	Diagnostic Status: Error					
	Scientific Instruments: WFC3/UVIS, ACS/WFC					
	Special Requirements: AFTER 02 BY 10 D TO 25 D					
Diagnos	(Visit 03) Error (Orbit Planner): MERGING RULE VIOLATED DURING AUTOMATIC MERGING					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	NGC-6752	RA: 19 10 52.1100 (287.7171250d) Dec: -59 59 4.40 (-59.98456d) Equinox: J2000		V=5.4	Reference Frame: ICRS
	Comments: Category=STELLAR CLUSTER Description=[GLOBULAR CLUSTER]					

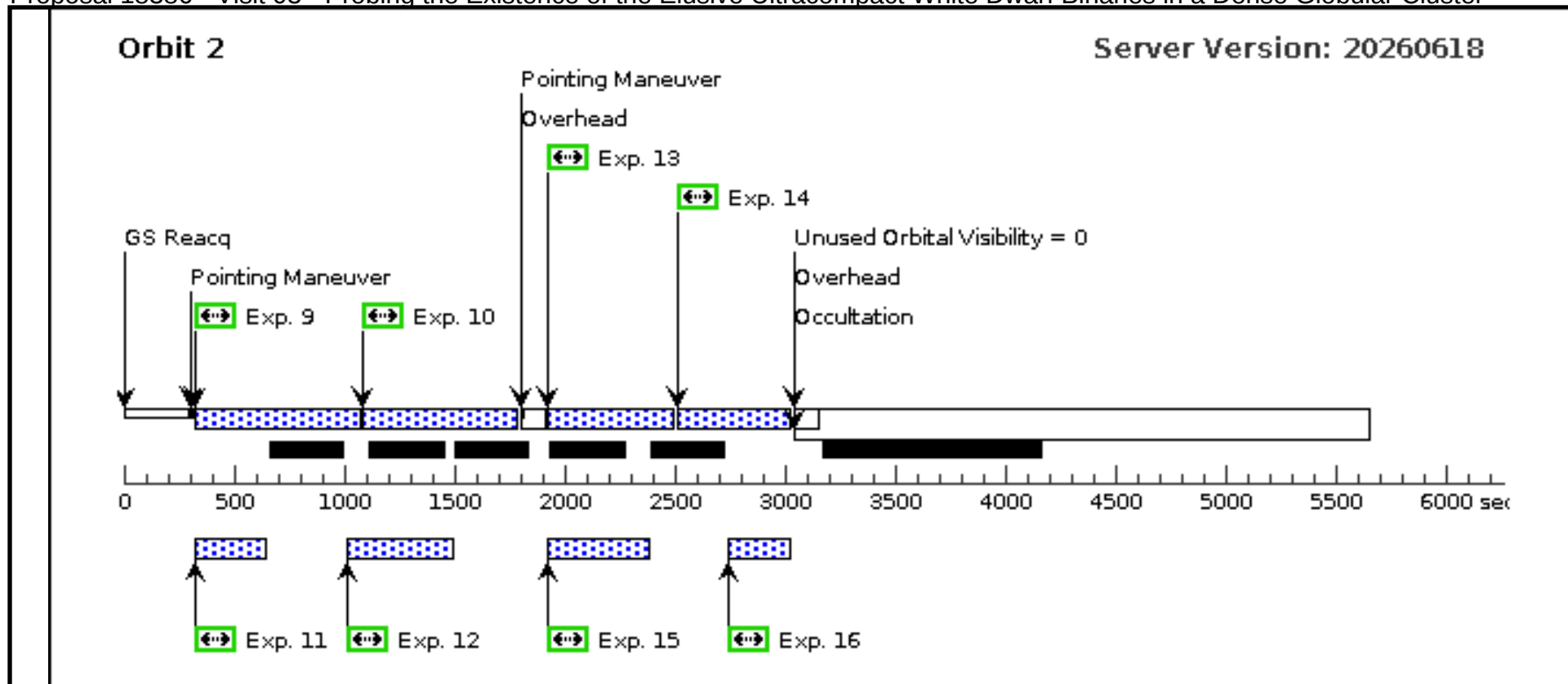
Proposal 18386 - Visit 03 - Probing the Existence of the Elusive Ultracompact White Dwarf Binaries in a Dense Globular Cluster

	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
Exposures	1	F475W	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER	F475W	FLASH=18		Prime + Parallel Group 1-4 in Visit 03	300 Secs (300 Secs)	[==>]	[1]
	2	F469N	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER	F469N	FLASH=20		Prime + Parallel Group 1-4 in Visit 03	996 Secs (996 Secs)	[==>]	[1]
	3	F658N	ANY	ACS/WFC, ACCUM, WFCENTER	F658N			Prime + Parallel Group 1-4 in Visit 03	330 Secs (330 Secs)	[==>]	[1]
	4	F625W	ANY	ACS/WFC, ACCUM, WFCENTER	F625W			Prime + Parallel Group 1-4 in Visit 03	200 Secs (200 Secs)	[==>]	[1]
	5	F469N	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER	F469N	FLASH=17	POS TARG 1.446,2.926	Prime + Parallel Group 5-8 in Visit 03	800 Secs (800 Secs)	[==>]	[1]
	6	F475W	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER	F475W	FLASH=17		Prime + Parallel Group 5-8 in Visit 03	140 Secs (140 Secs)	[==>]	[1]
	7	F658N	ANY	ACS/WFC, ACCUM, WFCENTER	F658N			Prime + Parallel Group 5-8 in Visit 03	285 Secs (285 Secs)	[==>]	[1]
	8	F625W	ANY	ACS/WFC, ACCUM, WFCENTER	F625W			Prime + Parallel Group 5-8 in Visit 03	100 Secs (100 Secs)	[==>]	[1]
	9	F275W	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=18		Prime + Parallel Group 9-12 in Visit 03	600 Secs (600 Secs)	[==>]	[2]
	10	F225W	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER	F225W	FLASH=17		Prime + Parallel Group 9-12 in Visit 03	684 Secs (684 Secs)	[==>]	[2]
	11	F625W	ANY	ACS/WFC, ACCUM, WFCENTER	F625W			Prime + Parallel Group 9-12 in Visit 03	200 Secs (200 Secs)	[==>]	[2]
	12	F435W	ANY	ACS/WFC, ACCUM, WFCENTER	F435W			Prime + Parallel Group 9-12 in Visit 03	300 Secs (300 Secs)	[==>]	[2]
	13	F225W	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER	F225W	FLASH=17	POS TARG 1.446,2.926	Prime + Parallel Group 13-16 in Visit 03	450 Secs (450 Secs)	[==>]	[2]
	14	F275W	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=18	POS TARG 1.446,2.926	Prime + Parallel Group 13-16 in Visit 03	490 Secs (490 Secs)	[==>]	[2]
	15	F435W	ANY	ACS/WFC, ACCUM, WFCENTER	F435W			Prime + Parallel Group 13-16 in Visit 03	333 Secs (333 Secs)	[==>]	[2]
	16	F625W	ANY	ACS/WFC, ACCUM, WFCENTER	F625W			Prime + Parallel Group 13-16 in Visit 03	100 Secs (100 Secs)	[==>]	[2]

Orbit 1

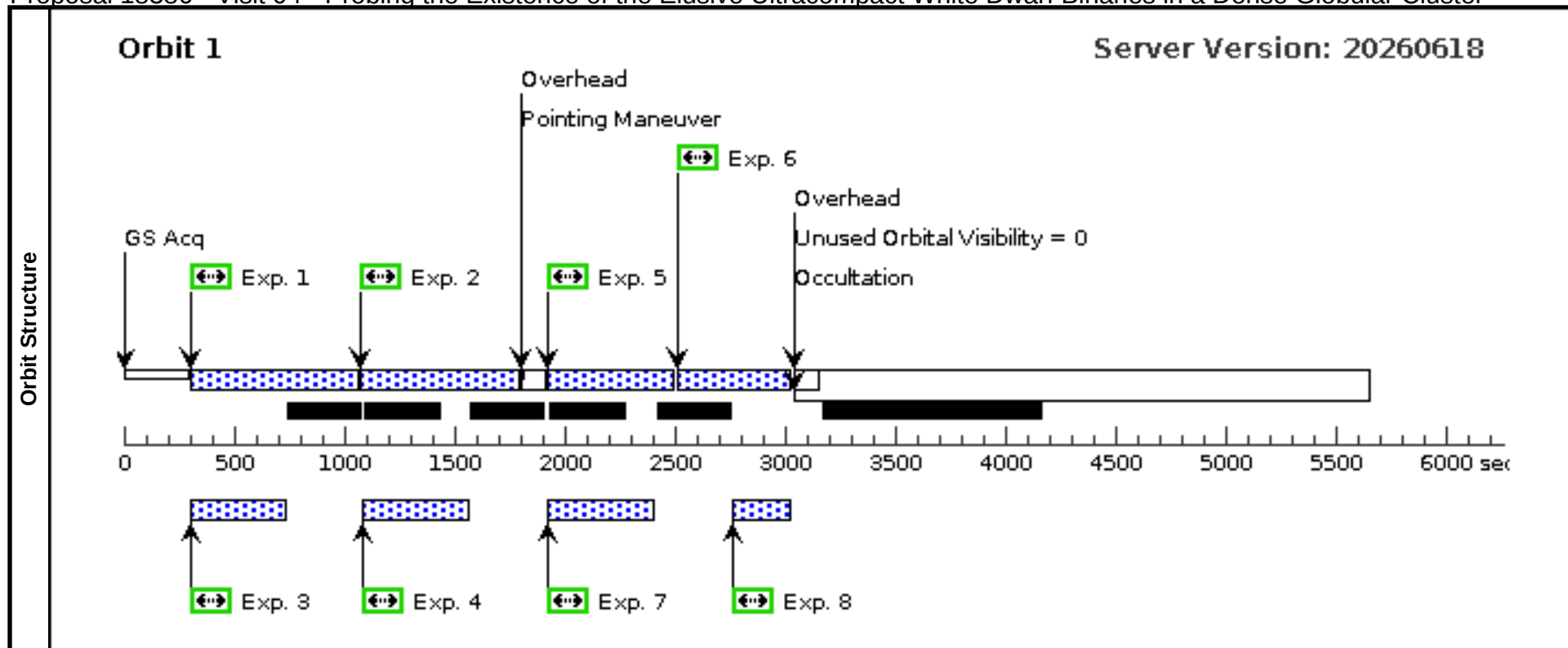
Server Version: 20260618





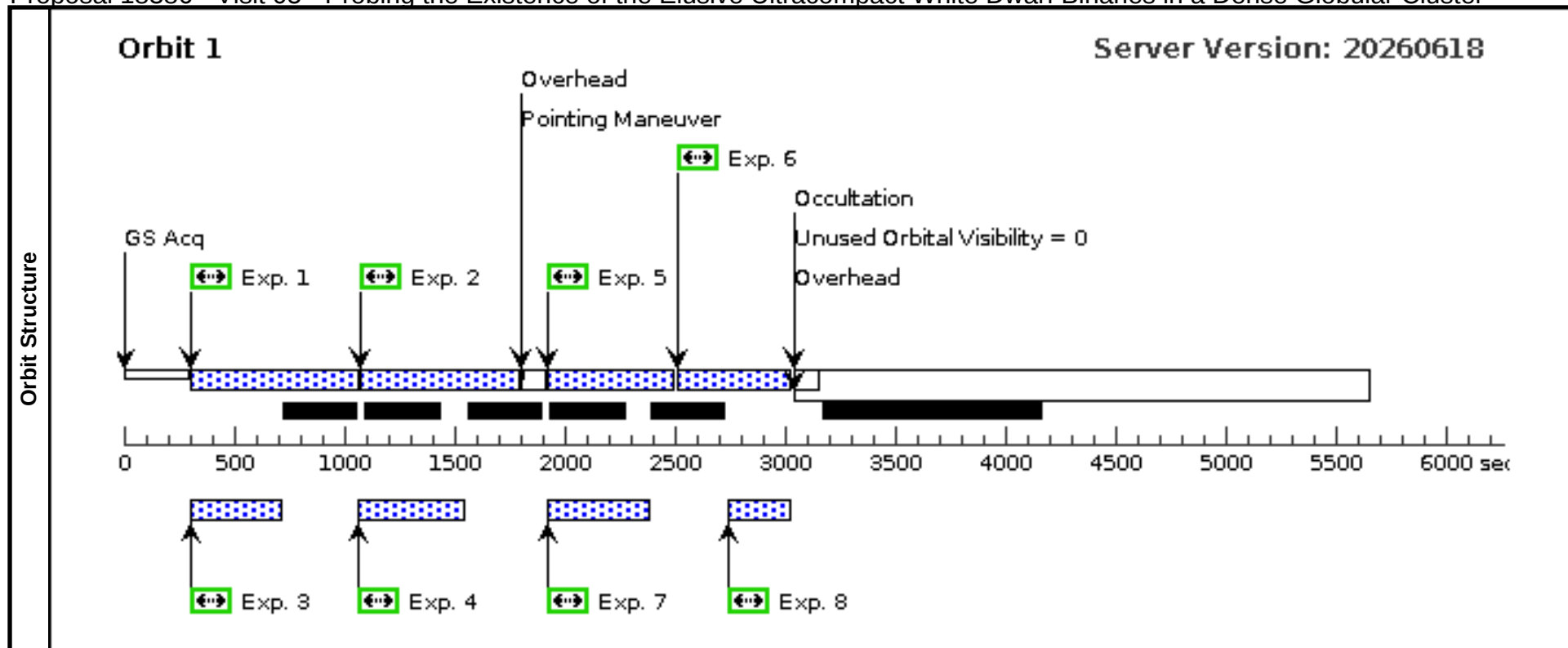
Proposal 18386 - Visit 04 - Probing the Existence of the Elusive Ultracompact White Dwarf Binaries in a Dense Globular Cluster

Visit	Proposal 18386, Visit 04										Wed Aug 12 20:00:28 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/UVIS, ACS/WFC											
	Special Requirements: AFTER 03 BY 10 D TO 25 D											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(1)	NGC-6752	RA: 19 10 52.1100 (287.7171250d)				V=5.4		Reference Frame: ICRS			
			Dec: -59 59 4.40 (-59.98456d)									
			Equinox: J2000									
	Comments: 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	F275W	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=18		Prime + Parallel Gro up 1-4 in Visit 04	600 Secs (600 Secs)			
									[==>]		[1]	
	2	F225W	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER	F225W	FLASH=17		Prime + Parallel Gro up 1-4 in Visit 04	700 Secs (700 Secs)			
									[==>]		[1]	
	3	F625W	ANY	ACS/WFC, ACCUM, WFCENTER	F625W			Prime + Parallel Gro up 1-4 in Visit 04	220 Secs (220 Secs)			
									[==>]		[1]	
	4	F658N	ANY	ACS/WFC, ACCUM, WFCENTER	F658N			Prime + Parallel Gro up 1-4 in Visit 04	320 Secs (320 Secs)			
									[==>]		[1]	
	5	F225W	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER	F225W	FLASH=17	POS TARG 1.446,2.926	Prime + Parallel Gro up 5-8 in Visit 04	450 Secs (450 Secs)			
									[==>]		[1]	
	6	F275W	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=18	POS TARG 1.446,2.926	Prime + Parallel Gro up 5-8 in Visit 04	489 Secs (489 Secs)			
									[==>]		[1]	
	7	F658N	ANY	ACS/WFC, ACCUM, WFCENTER	F658N			Prime + Parallel Gro up 5-8 in Visit 04	354 Secs (354 Secs)			
									[==>]		[1]	
	8	F625W	ANY	ACS/WFC, ACCUM, WFCENTER	F625W			Prime + Parallel Gro up 5-8 in Visit 04	100 Secs (100 Secs)			
								[==>]		[1]		



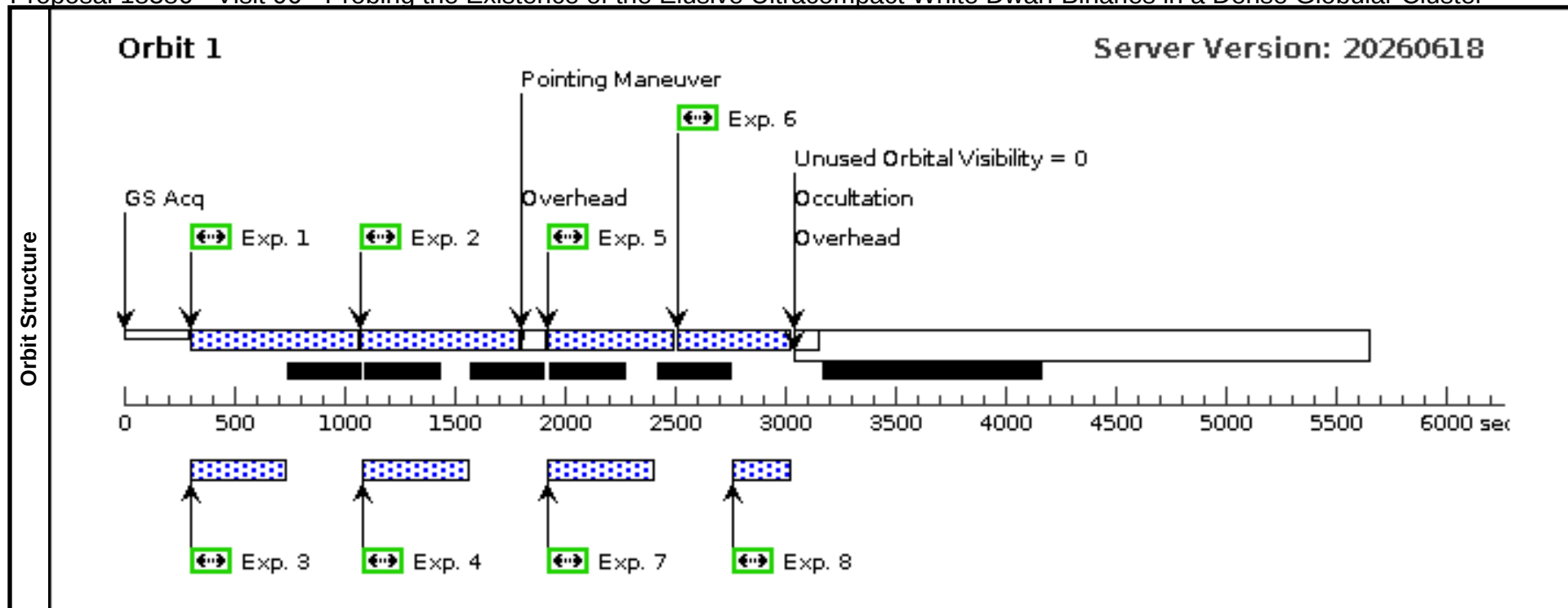
Proposal 18386 - Visit 05 - Probing the Existence of the Elusive Ultracompact White Dwarf Binaries in a Dense Globular Cluster

Visit	Proposal 18386, Visit 05										Wed Aug 12 20:00:28 GMT 2026						
	Diagnostic Status: No Diagnostics																
	Scientific Instruments: WFC3/UVIS, ACS/WFC																
	Special Requirements: AFTER 04 BY 10 D TO 25 D																
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous							
	(1)	NGC-6752	RA: 19 10 52.1100 (287.7171250d)					V=5.4		Reference Frame: ICRS							
			Dec: -59 59 4.40 (-59.98456d)														
			Equinox: J2000														
	Comments: 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	F275W	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER		F275W		FLASH=18				Prime + Parallel Gro up 1-4 in Visit 05		600 Secs (600 Secs)			
												[==>]				[1]	
	2	F225W	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER		F225W		FLASH=17				Prime + Parallel Gro up 1-4 in Visit 05		700 Secs (700 Secs)			
												[==>]				[1]	
	3	F625W	ANY	ACS/WFC, ACCUM, WFCENTER		F625W						Prime + Parallel Gro up 1-4 in Visit 05		200 Secs (200 Secs)			
												[==>]				[1]	
	4	F435W	ANY	ACS/WFC, ACCUM, WFCENTER		F435W						Prime + Parallel Gro up 1-4 in Visit 05		300 Secs (300 Secs)			
												[==>]				[1]	
	5	F225W	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER		F225W		FLASH=17		POS TARG 1.446,2.926		Prime + Parallel Gro up 5-8 in Visit 05		450 Secs (450 Secs)			
												[==>]				[1]	
	6	F275W	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER		F275W		FLASH=18		POS TARG 1.446,2.926		Prime + Parallel Gro up 5-8 in Visit 05		489 Secs (489 Secs)			
												[==>]				[1]	
	7	F435W	ANY	ACS/WFC, ACCUM, WFCENTER		F435W						Prime + Parallel Gro up 5-8 in Visit 05		332 Secs (332 Secs)			
												[==>]				[1]	
	8	F625W	ANY	ACS/WFC, ACCUM, WFCENTER		F625W						Prime + Parallel Gro up 5-8 in Visit 05		100 Secs (100 Secs)			
											[==>]				[1]		



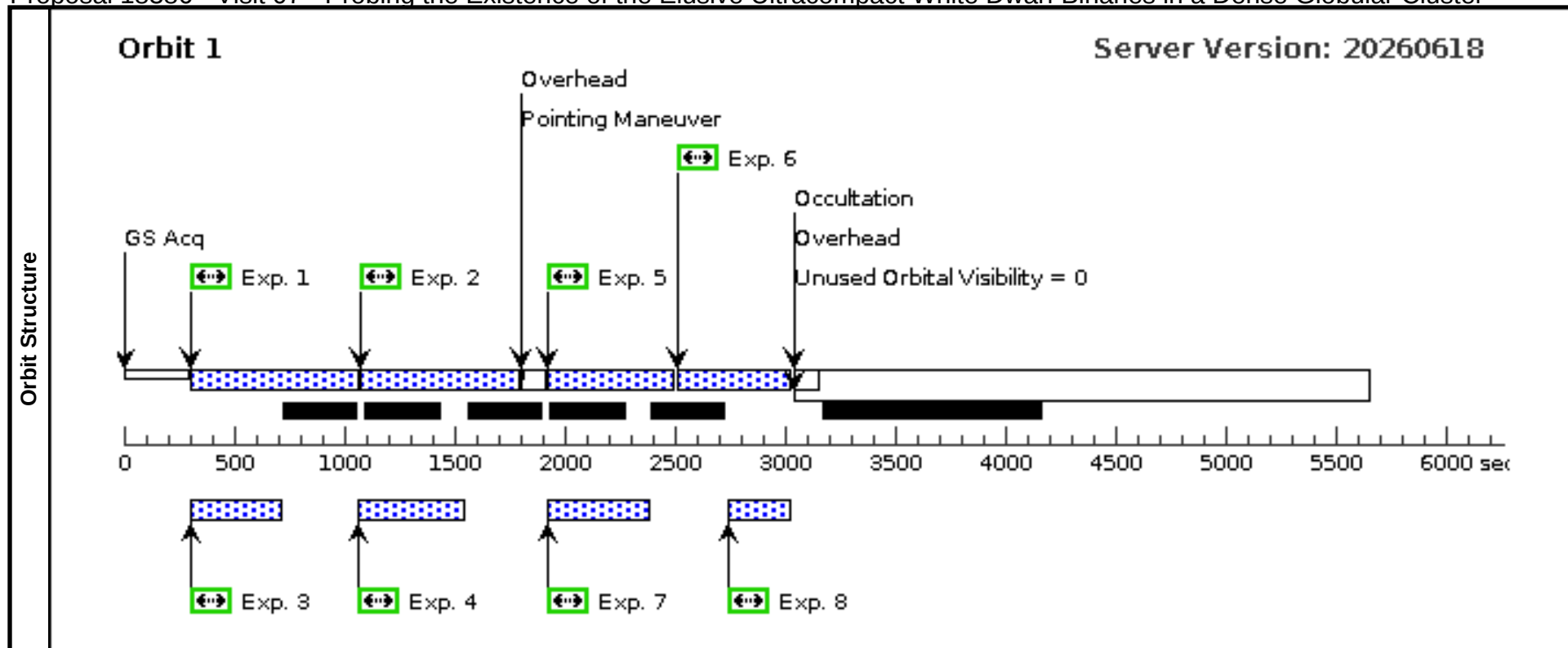
Proposal 18386 - Visit 06 - Probing the Existence of the Elusive Ultracompact White Dwarf Binaries in a Dense Globular Cluster

Visit	Proposal 18386, Visit 06										Wed Aug 12 20:00:28 GMT 2026						
	Diagnostic Status: No Diagnostics																
	Scientific Instruments: WFC3/UVIS, ACS/WFC																
	Special Requirements: AFTER 05 BY 10 D TO 25 D																
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous							
	(1)	NGC-6752	RA: 19 10 52.1100 (287.7171250d)					V=5.4		Reference Frame: ICRS							
			Dec: -59 59 4.40 (-59.98456d)														
			Equinox: J2000														
	Comments: 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	F275W	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER		F275W		FLASH=18				Prime + Parallel Gro up 1-4 in Visit 06		600 Secs (600 Secs)			
												[==>]				[1]	
	2	F225W	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER		F225W		FLASH=17				Prime + Parallel Gro up 1-4 in Visit 06		700 Secs (700 Secs)			
												[==>]				[1]	
	3	F625W	ANY	ACS/WFC, ACCUM, WFCENTER		F625W						Prime + Parallel Gro up 1-4 in Visit 06		220 Secs (220 Secs)			
												[==>]				[1]	
	4	F658N	ANY	ACS/WFC, ACCUM, WFCENTER		F658N						Prime + Parallel Gro up 1-4 in Visit 06		320 Secs (320 Secs)			
												[==>]				[1]	
	5	F225W	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER		F225W		FLASH=17		POS TARG 1.446,2.926		Prime + Parallel Gro up 5-8 in Visit 06		450 Secs (450 Secs)			
												[==>]				[1]	
	6	F275W	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER		F275W		FLASH=18		POS TARG 1.446,2.926		Prime + Parallel Gro up 5-8 in Visit 06		489 Secs (489 Secs)			
												[==>]				[1]	
	7	F658N	ANY	ACS/WFC, ACCUM, WFCENTER		F658N						Prime + Parallel Gro up 5-8 in Visit 06		354 Secs (354 Secs)			
												[==>]				[1]	
	8	F625W	ANY	ACS/WFC, ACCUM, WFCENTER		F625W						Prime + Parallel Gro up 5-8 in Visit 06		100 Secs (100 Secs)			
											[==>]				[1]		



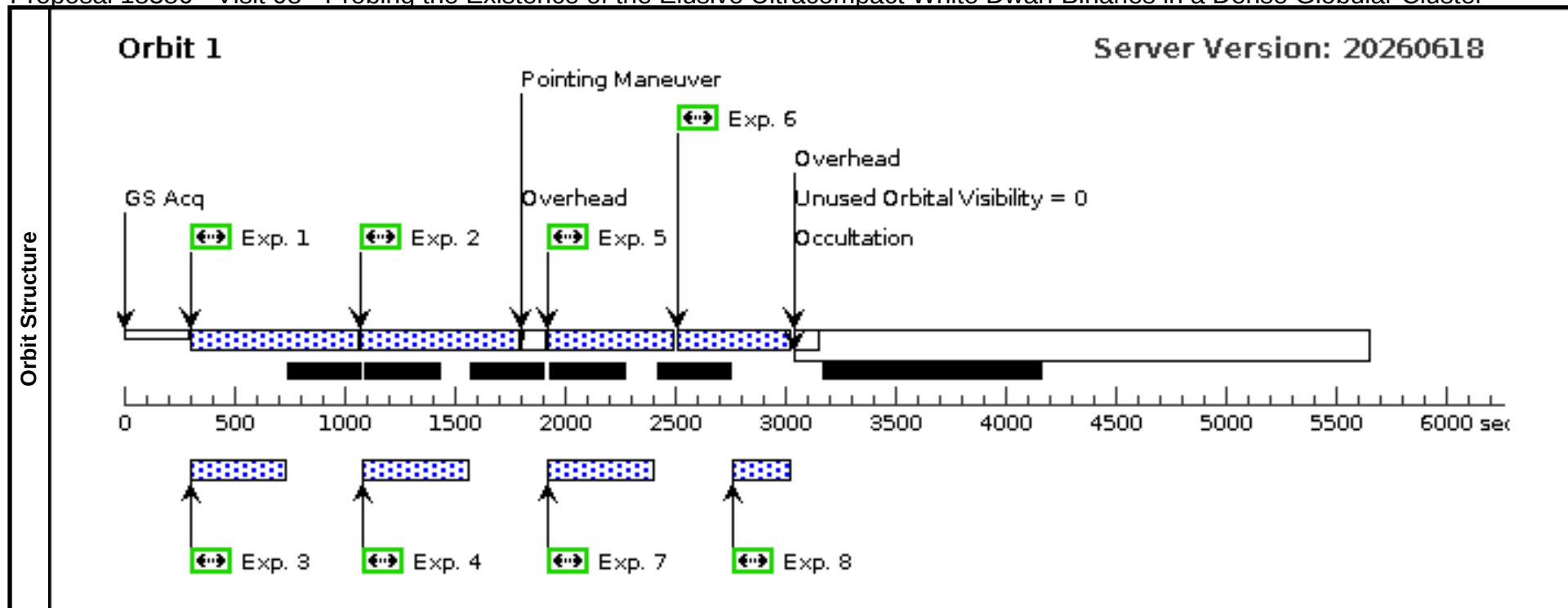
Proposal 18386 - Visit 07 - Probing the Existence of the Elusive Ultracompact White Dwarf Binaries in a Dense Globular Cluster

Visit	Proposal 18386, Visit 07										Wed Aug 12 20:00:28 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/UVIS, ACS/WFC											
	Special Requirements: AFTER 06 BY 10 D TO 25 D											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	NGC-6752	RA: 19 10 52.1100 (287.7171250d)					V=5.4		Reference Frame: ICRS		
			Dec: -59 59 4.40 (-59.98456d)									
			Equinox: J2000									
	Comments: 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	F275W	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER		F275W	FLASH=18		Prime + Parallel Gro up 1-4 in Visit 07	600 Secs (600 Secs)		
										[==>]		[1]
	2	F225W	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER		F225W	FLASH=17		Prime + Parallel Gro up 1-4 in Visit 07	700 Secs (700 Secs)		
										[==>]		[1]
	3	F625W	ANY	ACS/WFC, ACCUM, WFCENTER		F625W			Prime + Parallel Gro up 1-4 in Visit 07	200 Secs (200 Secs)		
										[==>]		[1]
	4	F435W	ANY	ACS/WFC, ACCUM, WFCENTER		F435W			Prime + Parallel Gro up 1-4 in Visit 07	300 Secs (300 Secs)		
										[==>]		[1]
	5	F225W	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER		F225W	FLASH=17	POS TARG 1.446,2. 926	Prime + Parallel Gro up 5-8 in Visit 07	450 Secs (450 Secs)		
										[==>]		[1]
	6	F275W	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER		F275W	FLASH=18	POS TARG 1.446,2. 926	Prime + Parallel Gro up 5-8 in Visit 07	489 Secs (489 Secs)		
										[==>]		[1]
	7	F435W	ANY	ACS/WFC, ACCUM, WFCENTER		F435W			Prime + Parallel Gro up 5-8 in Visit 07	332 Secs (332 Secs)		
										[==>]		[1]
	8	F625W	ANY	ACS/WFC, ACCUM, WFCENTER		F625W			Prime + Parallel Gro up 5-8 in Visit 07	100 Secs (100 Secs)		
									[==>]		[1]	



Proposal 18386 - Visit 08 - Probing the Existence of the Elusive Ultracompact White Dwarf Binaries in a Dense Globular Cluster

Visit	Proposal 18386, Visit 08										Wed Aug 12 20:00:28 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/UVIS, ACS/WFC											
	Special Requirements: AFTER 07 BY 10 D TO 25 D											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(1)	NGC-6752	RA: 19 10 52.1100 (287.7171250d)				V=5.4		Reference Frame: ICRS			
			Dec: -59 59 4.40 (-59.98456d)									
			Equinox: J2000									
	Comments: 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	F275W	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=18		Prime + Parallel Gro up 1-4 in Visit 08	600 Secs (600 Secs)			
									[==>]		[1]	
	2	F225W	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER	F225W	FLASH=17		Prime + Parallel Gro up 1-4 in Visit 08	700 Secs (700 Secs)			
									[==>]		[1]	
	3	F625W	ANY	ACS/WFC, ACCUM, WFCENTER	F625W			Prime + Parallel Gro up 1-4 in Visit 08	220 Secs (220 Secs)			
									[==>]		[1]	
	4	F658N	ANY	ACS/WFC, ACCUM, WFCENTER	F658N			Prime + Parallel Gro up 1-4 in Visit 08	320 Secs (320 Secs)			
									[==>]		[1]	
	5	F225W	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER	F225W	FLASH=17	POS TARG 1.446,2.926	Prime + Parallel Gro up 5-8 in Visit 08	450 Secs (450 Secs)			
									[==>]		[1]	
	6	F275W	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=18	POS TARG 1.446,2.926	Prime + Parallel Gro up 5-8 in Visit 08	489 Secs (489 Secs)			
									[==>]		[1]	
	7	F658N	ANY	ACS/WFC, ACCUM, WFCENTER	F658N			Prime + Parallel Gro up 5-8 in Visit 08	354 Secs (354 Secs)			
									[==>]		[1]	
	8	F625W	ANY	ACS/WFC, ACCUM, WFCENTER	F625W			Prime + Parallel Gro up 5-8 in Visit 08	100 Secs (100 Secs)			
								[==>]		[1]		



Proposal 18386 - Visit 09 - Probing the Existence of the Elusive Ultracompact White Dwarf Binaries in a Dense Globular Cluster

Visit	Proposal 18386, Visit 09										Wed Aug 12 20:00:28 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFC3/UVIS, ACS/WFC											
	Special Requirements: AFTER 08 BY 10 D TO 25 D											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	NGC-6752	RA: 19 10 52.1100 (287.7171250d)					V=5.4		Reference Frame: ICRS		
			Dec: -59 59 4.40 (-59.98456d)									
			Equinox: J2000									
	Comments: 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	F275W	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER		F275W	FLASH=18		Prime + Parallel Gro up 1-4 in Visit 09	600 Secs (600 Secs)		
										[==>]		[1]
	2	F225W	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER		F225W	FLASH=17		Prime + Parallel Gro up 1-4 in Visit 09	700 Secs (700 Secs)		
										[==>]		[1]
	3	F625W	ANY	ACS/WFC, ACCUM, WFCENTER		F625W			Prime + Parallel Gro up 1-4 in Visit 09	200 Secs (200 Secs)		
										[==>]		[1]
	4	F435W	ANY	ACS/WFC, ACCUM, WFCENTER		F435W			Prime + Parallel Gro up 1-4 in Visit 09	300 Secs (300 Secs)		
										[==>]		[1]
	5	F225W	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER		F225W	FLASH=17	POS TARG 1.446,2. 926	Prime + Parallel Gro up 5-8 in Visit 09	450 Secs (450 Secs)		
										[==>]		[1]
	6	F275W	(1) NGC-6752	WFC3/UVIS, ACCUM, UVIS-CENTER		F275W	FLASH=18	POS TARG 1.446,2. 926	Prime + Parallel Gro up 5-8 in Visit 09	489 Secs (489 Secs)		
										[==>]		[1]
	7	F435W	ANY	ACS/WFC, ACCUM, WFCENTER		F435W			Prime + Parallel Gro up 5-8 in Visit 09	332 Secs (332 Secs)		
										[==>]		[1]
	8	F625W	ANY	ACS/WFC, ACCUM, WFCENTER		F625W			Prime + Parallel Gro up 5-8 in Visit 09	100 Secs (100 Secs)		
									[==>]		[1]	

