



18424 - Reconstructing the assembling history of the Large Magellanic Cloud using its system of globular clusters

Cycle: 34, Proposal Category: GO

(Availability Mode: SUPPORTED)

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Ms. Chiara Zerbinati (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-1466	WFC3/UVIS	1	17-Aug-2026 14:00:58.0	yes
02	(2) NGC-1754	WFC3/UVIS	1	17-Aug-2026 14:00:59.0	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>
03	(3) NGC-1786	WFC3/UVIS	2	17-Aug-2026 14:01:00.0	yes
04	(4) NGC-1835	WFC3/UVIS	1	17-Aug-2026 14:01:01.0	yes
05	(5) NGC-1928	WFC3/UVIS	2	17-Aug-2026 14:01:02.0	yes
06	(6) NGC-1939	WFC3/UVIS	2	17-Aug-2026 14:01:04.0	yes
07	(7) ESO-121-3	WFC3/UVIS	1	17-Aug-2026 14:01:05.0	yes
08	(8) NGC-2019	WFC3/UVIS	2	17-Aug-2026 14:01:07.0	yes

12 Total Orbits Used

ABSTRACT

Globular clusters (GCs) are amongst the most powerful tracers of galaxy assembly. In our Milky Way, detailed studies of the GC kinematics, in combination with their ages and metallicities, have been transformative in our understanding of its mass assembly history, revealing the past accretion events that form the present-day Milky Way. Extending this approach to nearby dwarf galaxies is the next critical step.

Thereby, the Large Magellanic Cloud (LMC), the closest example of an interacting dwarf, provides an unparalleled laboratory. Its low mass and sub-solar metallicity probe a regime of galaxy formation that remains largely unexplored.

To date, HST-based studies of the chrono-dynamic structure of about half of the LMC GC population have already uncovered the existence of an accreted GC. However, the absence of comparable data for the remaining clusters currently limits any global reconstruction of the assembly history of the LMC.

To complete this picture, we propose for an additional epoch of HST observations for the final eight LMC GCs. The observations will i) deliver precise proper motions to map the kinematic structure of the clusters and ii) enable the construction of a homogeneous age-metallicity relation across all clusters. Having this collection of information for the entire GC system of the LMC will allow us to trace the LMC assembly history for the first time in a self-consistent way, adding crucial contribution to our knowledge of the hierarchical assembly of dwarf galaxies.

OBSERVING DESCRIPTION

The aim of this programme is to measure the proper motions of a sample of eight ancient star clusters within the Large Magellanic Cloud. For this, we proposed one additional epoch of observations for each cluster. In total, 12 primary orbits with the WFC3/UVIS instrument are allocated to this

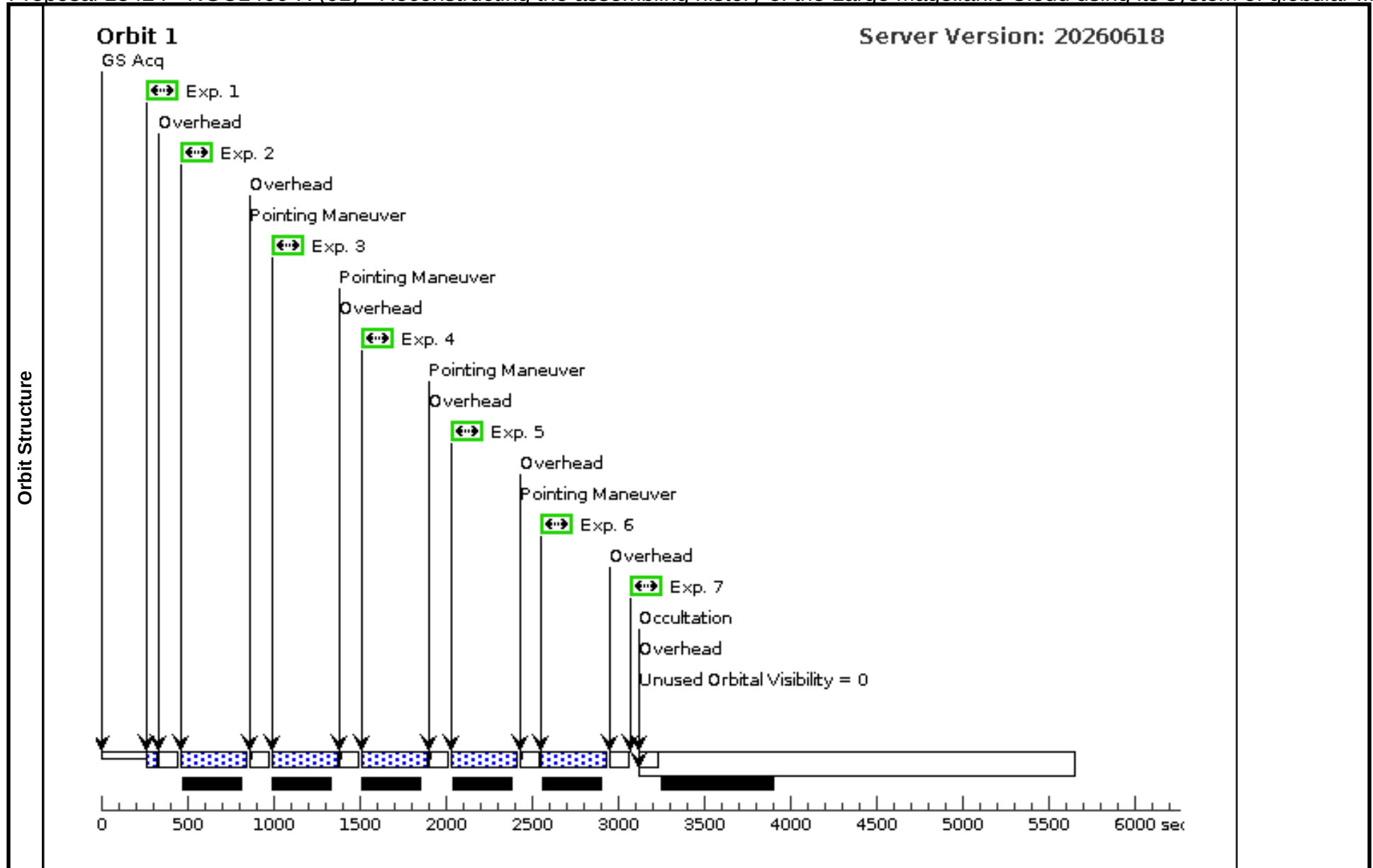
Proposal 18424 (STScI Edit Number: 0, Created: Monday, August 17, 2026, 1:01:07PM Eastern Standard Time) - Overview programme.

To reach our science goal, precise measurements of the stellar positions are crucial. We plan with the following observational setup:

Each cluster will have one orbit of observations using the WFC3/UVIS instrument in the F606W filter. F606W provides an optimal SNR for stars in old star clusters, also its PSF is better sampled than in bluer filters. Additionally, for four clusters within our sample, namely NGC 1786, NGC 1928, NGC 1939 and NGC 2019, one orbit in the WFC3/UVIS F814W filter is allocated, since these clusters lack deep archival F814W data. The observations are organized in 1 visit for each cluster. Within each orbit, we plan for 5 properly-dithered long exposures. To measure the positions of stars that are saturated in the long exposures we further require two short exposures (one at the beginning and one at the end of the orbit). We positioned the new observations such that the overlap with existing observations is maximized. Further, we request the new observations to be taken with orientations that are perpendicular to those of the existing, archival epochs. This requirement is crucial to mitigate the impact of uncorrected CTE. The requested range of orientations is specified in the Visit Orientation Requirement for all clusters/visits.

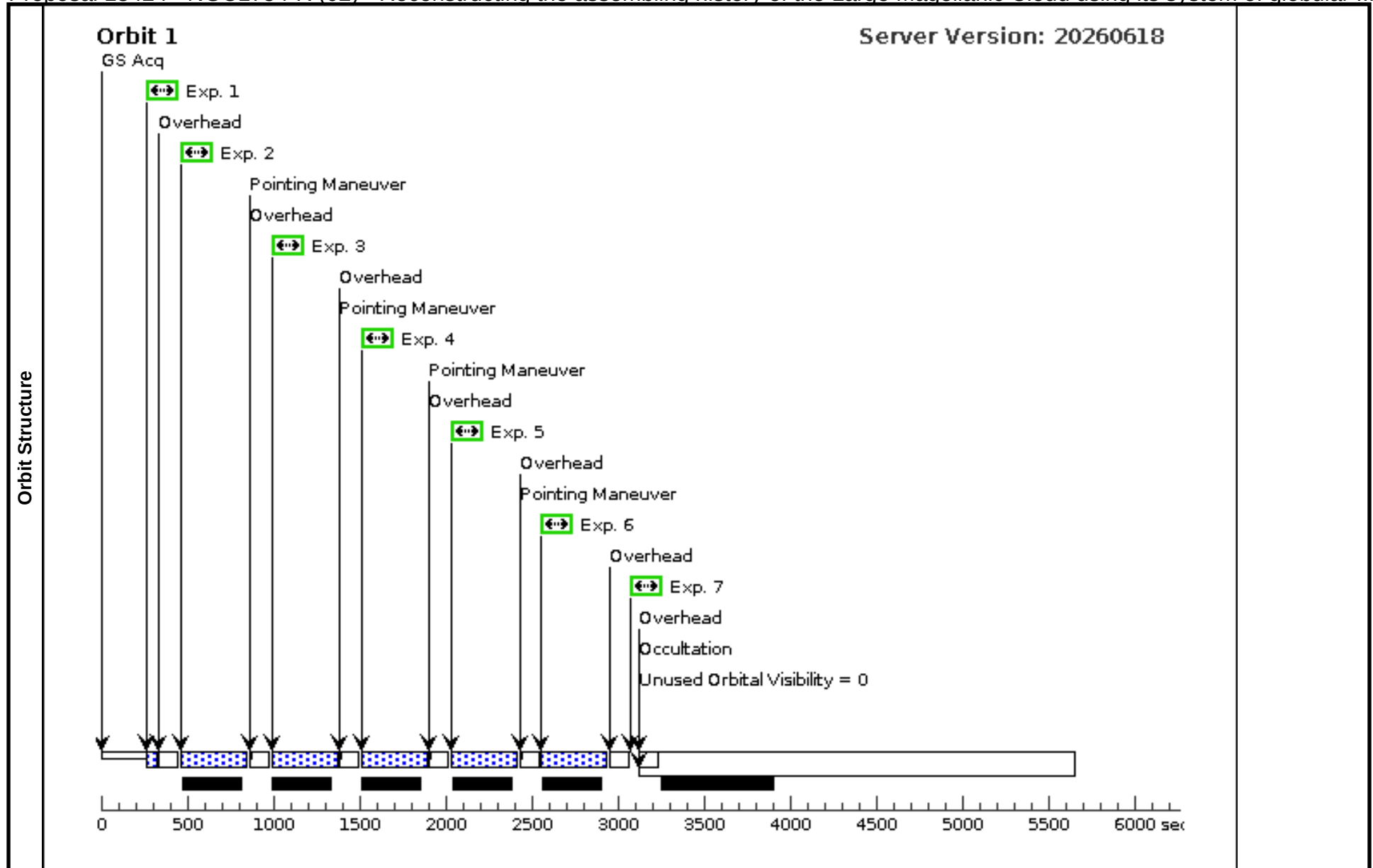
Proposal 18424 - NGC1466-R (01) - Reconstructing the assembling history of the Large Magellanic Cloud using its system of globular ...

Visit	Proposal 18424, NGC1466-R (01)								Mon Aug 17 18:01:07 GMT 2026	
	Diagnostic Status: Warning									
	Scientific Instruments: WFC3/UVIS									
	Special Requirements: ORIENT 105D TO 125 D; ORIENT 285D TO 305 D									
Diagnostics	(Exposure 2 (NGC1466-R (01))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser									
	(Exposure 3 (NGC1466-R (01))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser									
	(Exposure 4 (NGC1466-R (01))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser									
	(Exposure 5 (NGC1466-R (01))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser									
	(Exposure 6 (NGC1466-R (01))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	NGC-1466	RA: 03 44 32.7100 (56.1362917d) Dec: -71 40 18.00 (-71.67167d) Equinox: J2000	Epoch of Position: 2000	V=11.59	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-1466	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=20	POS TARG -5,-5		30 Secs (30 Secs) [==>30.0 Secs]	 [1]
	2		(1) NGC-1466	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG -5,-5		400 Secs (385 Secs) [==>385.0 Secs]	 [1]
	3		(1) NGC-1466	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG -2.5,-2.5		400 Secs (385 Secs) [==>385.0 Secs]	 [1]
	4		(1) NGC-1466	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 0,0		400 Secs (385 Secs) [==>385.0 Secs]	 [1]
	5		(1) NGC-1466	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 2.5,2.5		400 Secs (385 Secs) [==>385.0 Secs]	 [1]
	6		(1) NGC-1466	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 5,5		400 Secs (384 Secs) [==>384.0 Secs]	 [1]
	7		(1) NGC-1466	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=20	POS TARG 5,5		30 Secs (30 Secs) [==>30.0 Secs]	 [1]



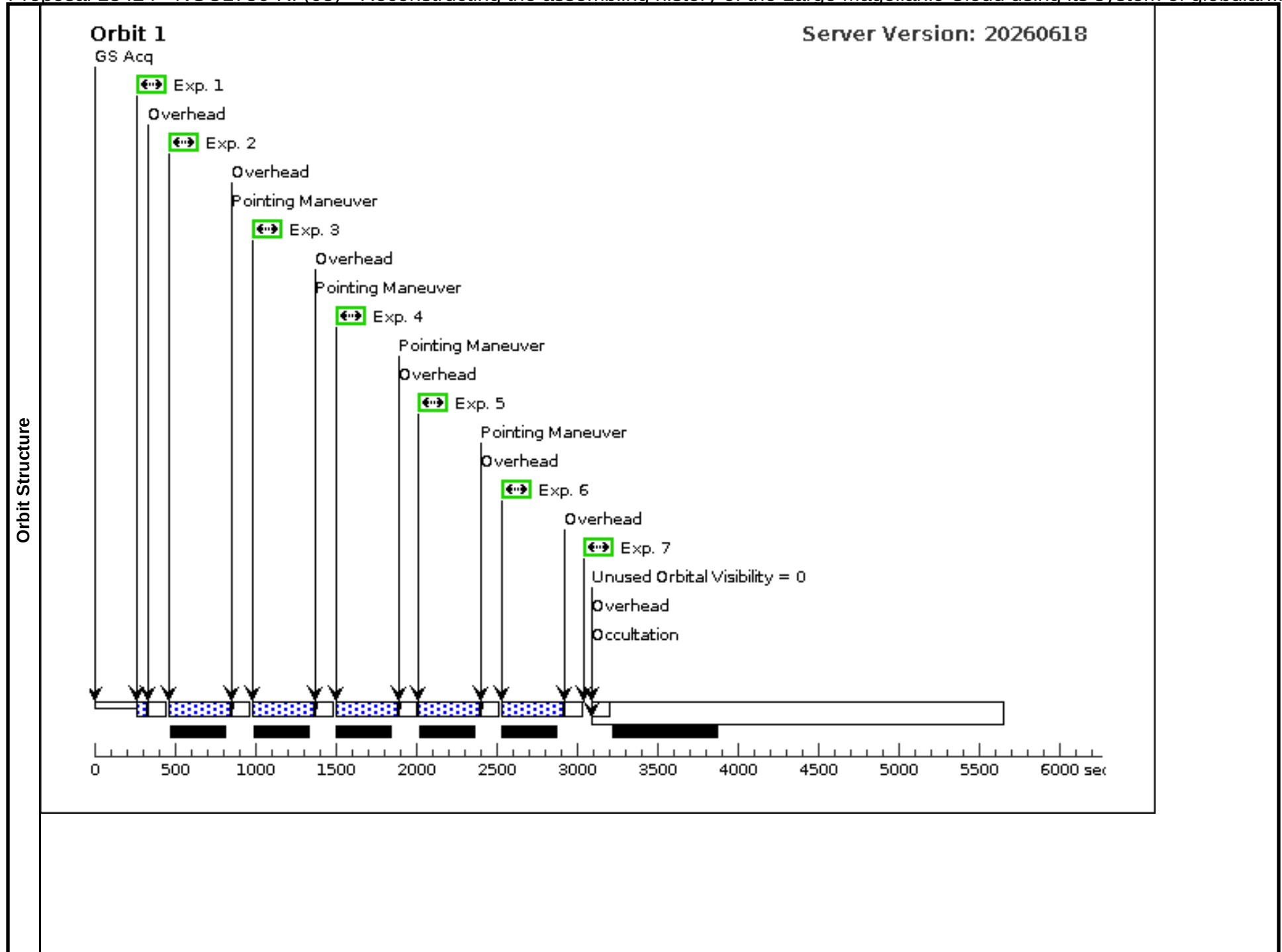
Proposal 18424 - NGC1754-R (02) - Reconstructing the assembling history of the Large Magellanic Cloud using its system of globular ...

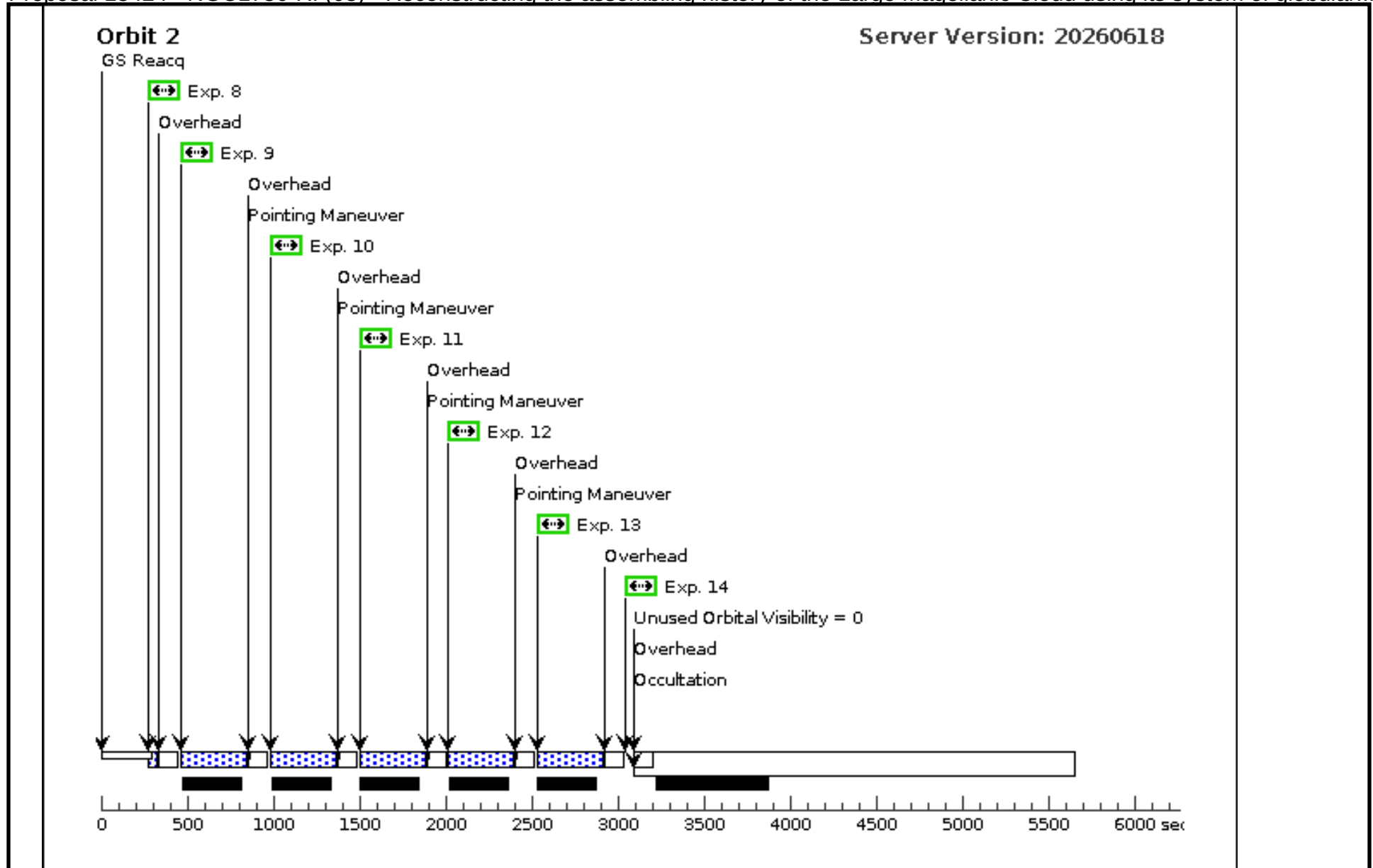
Visit	Proposal 18424, NGC1754-R (02)										Mon Aug 17 18:01:07 GMT 2026
	Diagnostic Status: Warning										
	Scientific Instruments: WFC3/UVIS										
	Special Requirements: ORIENT 300D TO 320 D; ORIENT 120D TO 140 D										
Diagnostics	(Exposure 2 (NGC1754-R (02))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser										
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	(Exposure 4 (NGC1754-R (02))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser										
	(Exposure 5 (NGC1754-R (02))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser										
	(Exposure 6 (NGC1754-R (02))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
	(2)	NGC-1754	RA: 04 54 27.2321 (73.6134671d) Dec: -70 26 53.20 (-70.44811d) Equinox: J2000	Epoch of Position: 2000	V=11.57	Reference Frame: ICRS					
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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-1754	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=20	POS TARG -5,-5		30 Secs (30 Secs) [==>30.0 Secs]	[1]	
	2		(2) NGC-1754	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG -5,-5		400 Secs (385 Secs) [==>385.0 Secs]	[1]	
	3		(2) NGC-1754	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG -2.5,-2.5		400 Secs (385 Secs) [==>385.0 Secs]	[1]	
	4		(2) NGC-1754	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 0,0		400 Secs (385 Secs) [==>385.0 Secs]	[1]	
	5		(2) NGC-1754	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 2.5,2.5		400 Secs (385 Secs) [==>385.0 Secs]	[1]	
	6		(2) NGC-1754	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 5,5		400 Secs (384 Secs) [==>384.0 Secs]	[1]	
	7		(2) NGC-1754	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=20	POS TARG 5,5		30 Secs (30 Secs) [==>30.0 Secs]	[1]	



Proposal 18424 - NGC1786-RI (03) - Reconstructing the assembling history of the Large Magellanic Cloud using its system of globular...

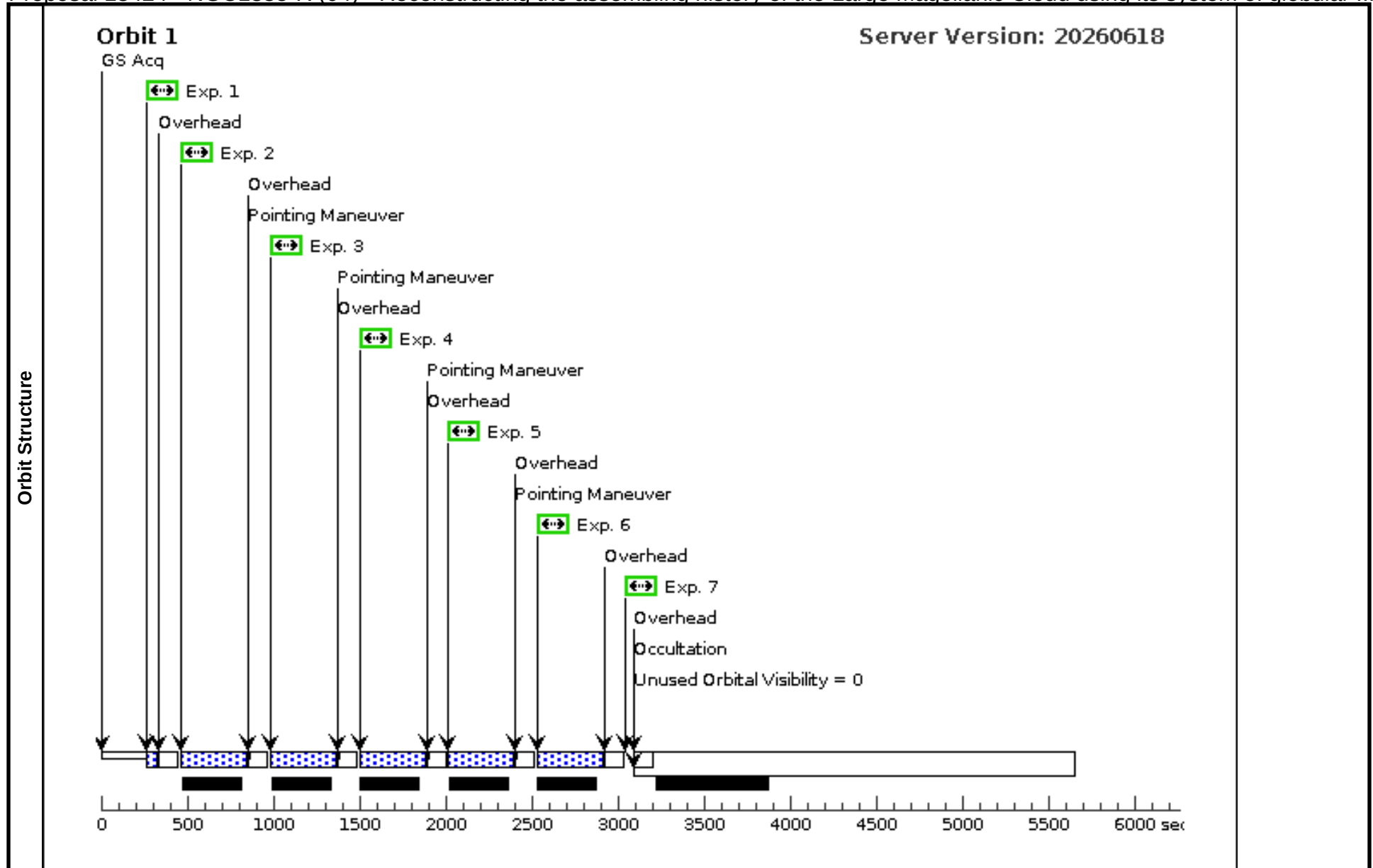
Visit	Proposal 18424, NGC1786-RI (03)									Mon Aug 17 18:01:07 GMT 2026
	Diagnostic Status: Warning									
	Scientific Instruments: WFC3/UVIS									
	Special Requirements: ORIENT 85D TO 105 D; ORIENT 265D TO 285 D									
Diagnostics	(R2 (03.002)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser									
	(R3 (03.003)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser									
	(R4 (03.004)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser									
	(R5 (03.005)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser									
	(R6 (03.006)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord.	Corrections	Fluxes	Miscellaneous			
	(3)	NGC-1786	RA: 04 59 4.7754 (74.7698975d) Dec: -67 45 27.01 (-67.75750d) Equinox: J2000	Epoch of Position: 2000		V=10.9	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	R1	(3) NGC-1786	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=20	POS TARG -5,-5		30 Secs (30 Secs) [==>30.0 Secs]	[1]
	2	R2	(3) NGC-1786	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG -5,-5		400 Secs (379 Secs) [==>379.0 Secs]	[1]
	3	R3	(3) NGC-1786	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG -2.5,-2.5		400 Secs (379 Secs) [==>379.0 Secs]	[1]
	4	R4	(3) NGC-1786	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 0,0		400 Secs (379 Secs) [==>379.0 Secs]	[1]
	5	R5	(3) NGC-1786	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 2.5,2.5		400 Secs (379 Secs) [==>379.0 Secs]	[1]
	6	R6	(3) NGC-1786	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 5,5		400 Secs (379 Secs) [==>379.0 Secs]	[1]
	7	R7	(3) NGC-1786	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=20	POS TARG 5,5		30 Secs (30 Secs) [==>30.0 Secs]	[1]
	8	I1	(3) NGC-1786	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=20	POS TARG 5,5		30 Secs (30 Secs) [==>30.0 Secs]	[2]
	9	I2	(3) NGC-1786	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=15	POS TARG 5,5		388 Secs (379 Secs) [==>379.0 Secs]	[2]
	10	I3	(3) NGC-1786	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=15	POS TARG 2.5,2.5		388 Secs (379 Secs) [==>379.0 Secs]	[2]
	11	I4	(3) NGC-1786	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=15	POS TARG 0,0		388 Secs (379 Secs) [==>379.0 Secs]	[2]
	12	I5	(3) NGC-1786	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=15	POS TARG -2.5,-2.5		388 Secs (379 Secs) [==>379.0 Secs]	[2]
	13	I6	(3) NGC-1786	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=15	POS TARG -5,-5		388 Secs (379 Secs) [==>379.0 Secs]	[2]
	14	I7	(3) NGC-1786	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=20	POS TARG -5,-5		30 Secs (30 Secs) [==>30.0 Secs]	[2]





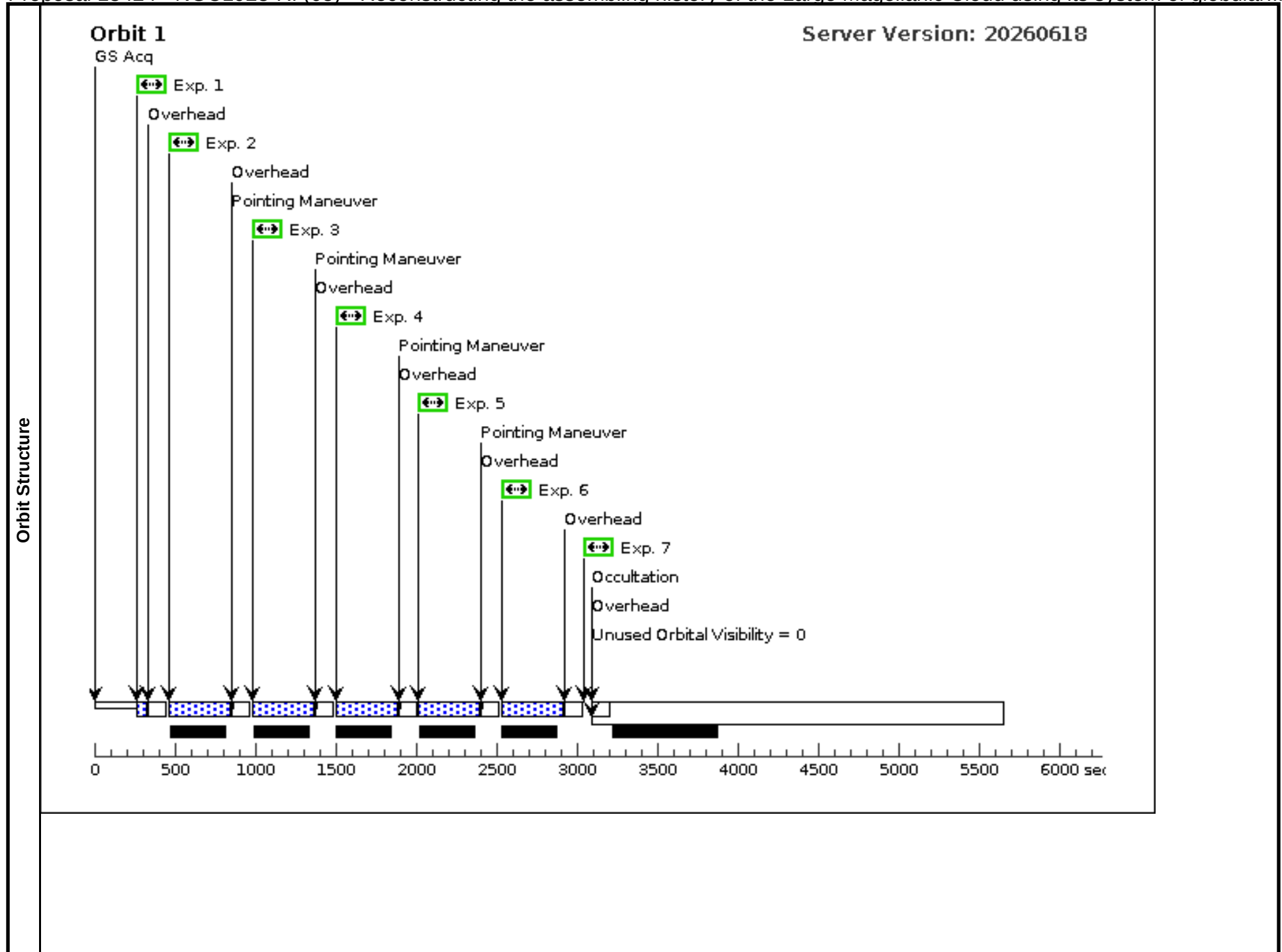
Proposal 18424 - NGC1835-R (04) - Reconstructing the assembling history of the Large Magellanic Cloud using its system of globular ...

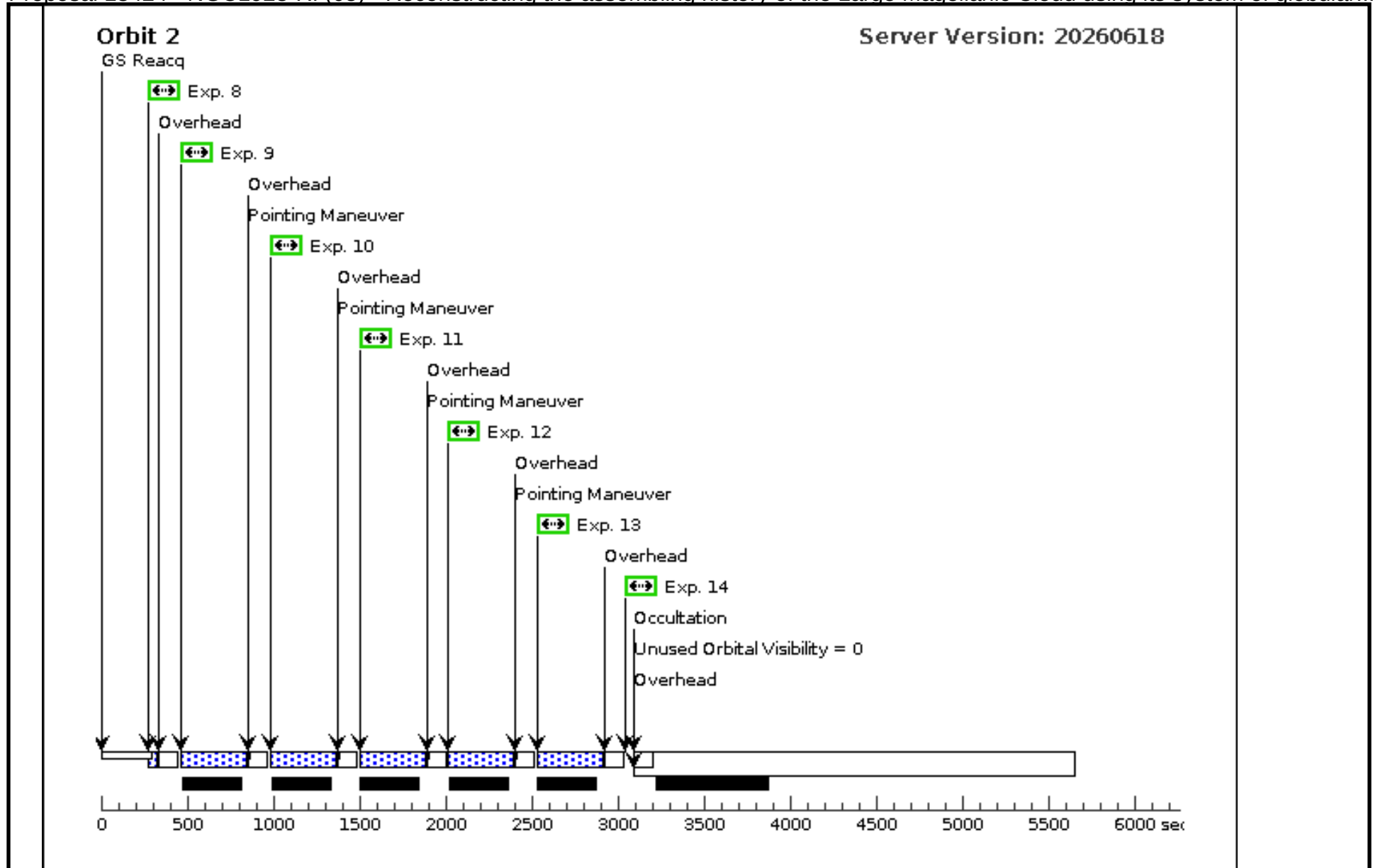
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	Scientific Instruments: WFC3/UVIS										
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	(Exposure 6 (NGC1835-R (04))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(4)	NGC-1835	RA: 05 05 8.8643 (76.2869346d) Dec: -69 23 28.10 (-69.39114d) Equinox: J2000		Epoch of Position: 2000		V=10.596		Reference Frame: ICRS		
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(4) NGC-1835	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=20	POS TARG -5,-5		30 Secs (30 Secs) [==>30.0 Secs]		[1]
	2		(4) NGC-1835	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG -5,-5		400 Secs (379 Secs) [==>379.0 Secs]		[1]
	3		(4) NGC-1835	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG -2.5,-2.5		400 Secs (379 Secs) [==>379.0 Secs]		[1]
	4		(4) NGC-1835	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 0,0		400 Secs (379 Secs) [==>379.0 Secs]		[1]
	5		(4) NGC-1835	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 2.5,2.5		400 Secs (379 Secs) [==>379.0 Secs]		[1]
	6		(4) NGC-1835	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 5,5		400 Secs (379 Secs) [==>379.0 Secs]		[1]
	7		(4) NGC-1835	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=20	POS TARG 5,5		30 Secs (30 Secs) [==>30.0 Secs]		[1]



Proposal 18424 - NGC1928-RI (05) - Reconstructing the assembling history of the Large Magellanic Cloud using its system of globular...

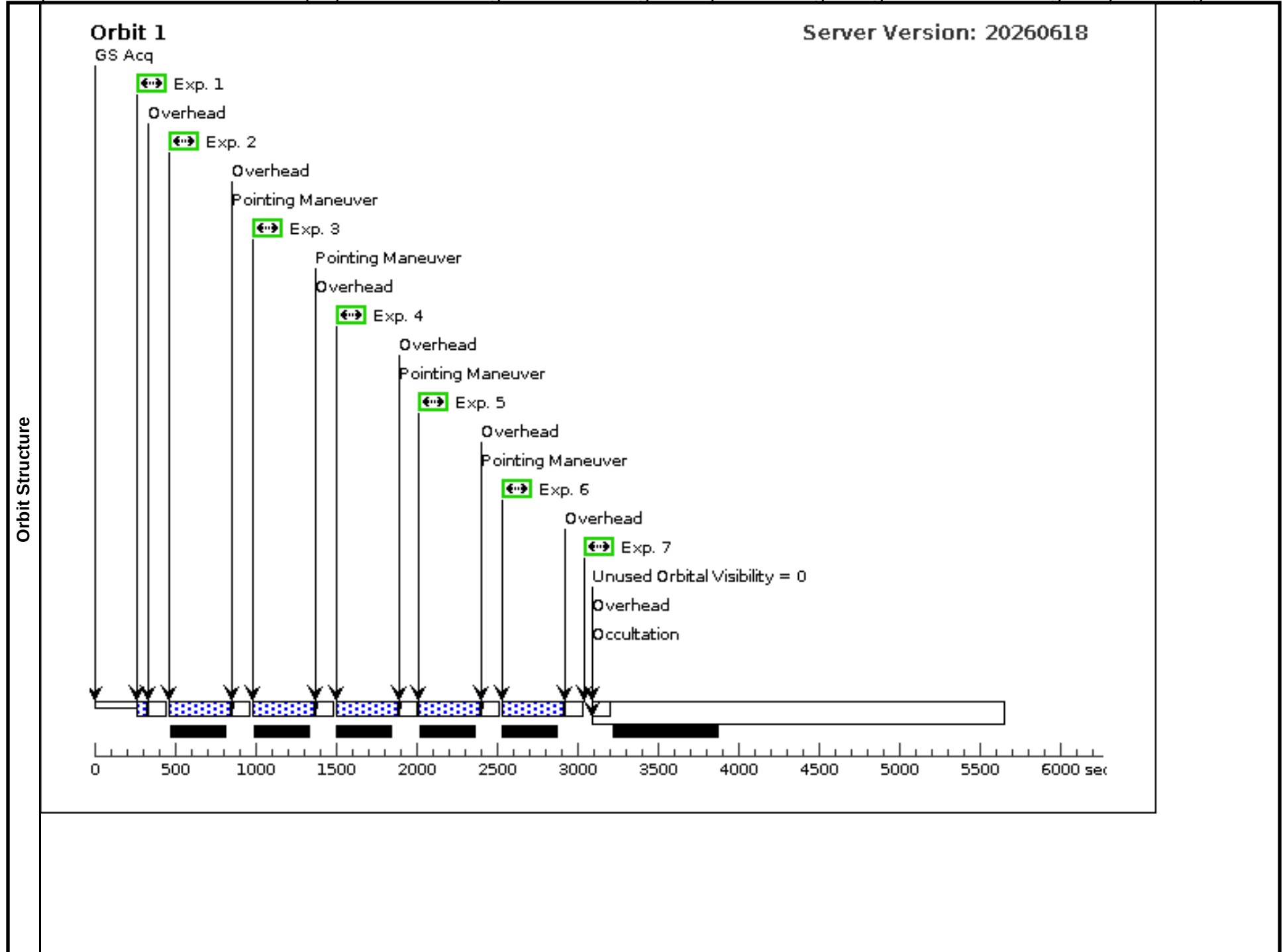
Visit	Proposal 18424, NGC1928-RI (05)									Mon Aug 17 18:01:07 GMT 2026
	Diagnostic Status: Warning									
	Scientific Instruments: WFC3/UVIS									
	Special Requirements: ORIENT 280D TO 300 D; ORIENT 100D TO 120 D									
Diagnostics	(R2 (05.002)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser									
	(R3 (05.003)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser									
	(R4 (05.004)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser									
	(R5 (05.005)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser									
	(R6 (05.006)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord.	Corrections	Fluxes	Miscellaneous			
	(5)	NGC-1928	RA: 05 21 4.3126 (80.2679692d) Dec: -69 28 50.39 (-69.48066d) Equinox: J2000	Epoch of Position: 2000		V=12.47	Reference Frame: ICRS			
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	R1	(5) NGC-1928	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=20	POS TARG -5,-5		30 Secs (30 Secs) [==>30.0 Secs]	[1]
	2	R2	(5) NGC-1928	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG -5,-5		400 Secs (379 Secs) [==>379.0 Secs]	[1]
	3	R3	(5) NGC-1928	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG -2.5,-2.5		400 Secs (379 Secs) [==>379.0 Secs]	[1]
	4	R4	(5) NGC-1928	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 0,0		400 Secs (379 Secs) [==>379.0 Secs]	[1]
	5	R5	(5) NGC-1928	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 2.5,2.5		400 Secs (379 Secs) [==>379.0 Secs]	[1]
	6	R6	(5) NGC-1928	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 5,5		400 Secs (379 Secs) [==>379.0 Secs]	[1]
	7	R7	(5) NGC-1928	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=20	POS TARG 5,5		30 Secs (30 Secs) [==>30.0 Secs]	[1]
	8	I1	(5) NGC-1928	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=20	POS TARG 5,5		30 Secs (30 Secs) [==>30.0 Secs]	[2]
	9	I2	(5) NGC-1928	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=15	POS TARG 5,5		400 Secs (379 Secs) [==>379.0 Secs]	[2]
	10	I3	(5) NGC-1928	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=15	POS TARG 2.5,2.5		400 Secs (379 Secs) [==>379.0 Secs]	[2]
	11	I4	(5) NGC-1928	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=15	POS TARG 0,0		400 Secs (379 Secs) [==>379.0 Secs]	[2]
	12	I5	(5) NGC-1928	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=15	POS TARG -2.5,-2.5		400 Secs (379 Secs) [==>379.0 Secs]	[2]
	13	I6	(5) NGC-1928	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=15	POS TARG -5,-5		400 Secs (379 Secs) [==>379.0 Secs]	[2]
	14	I7	(5) NGC-1928	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=20	POS TARG -5,-5		30 Secs (30 Secs) [==>30.0 Secs]	[2]

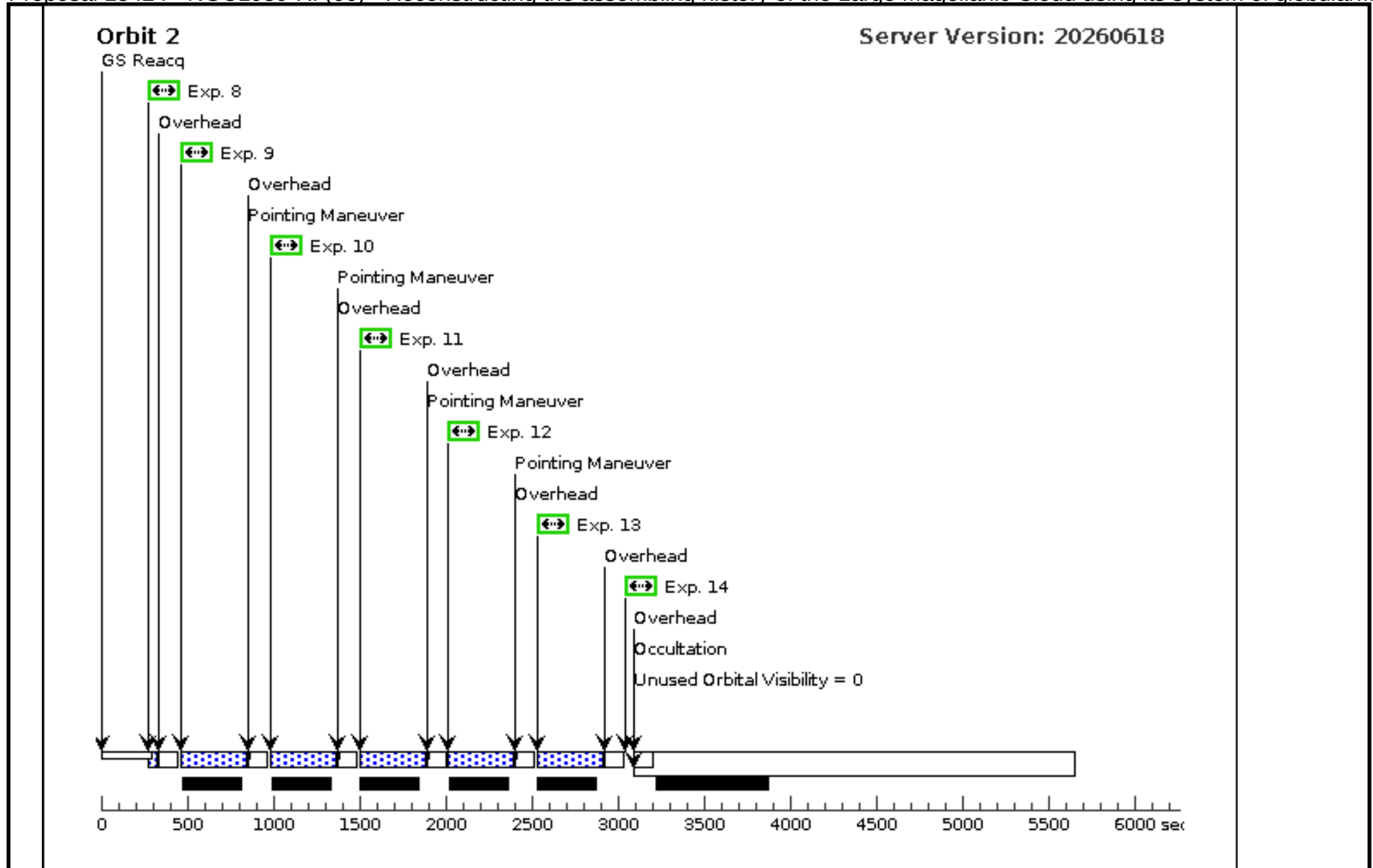




Proposal 18424 - NGC1939-RI (06) - Reconstructing the assembling history of the Large Magellanic Cloud using its system of globular...

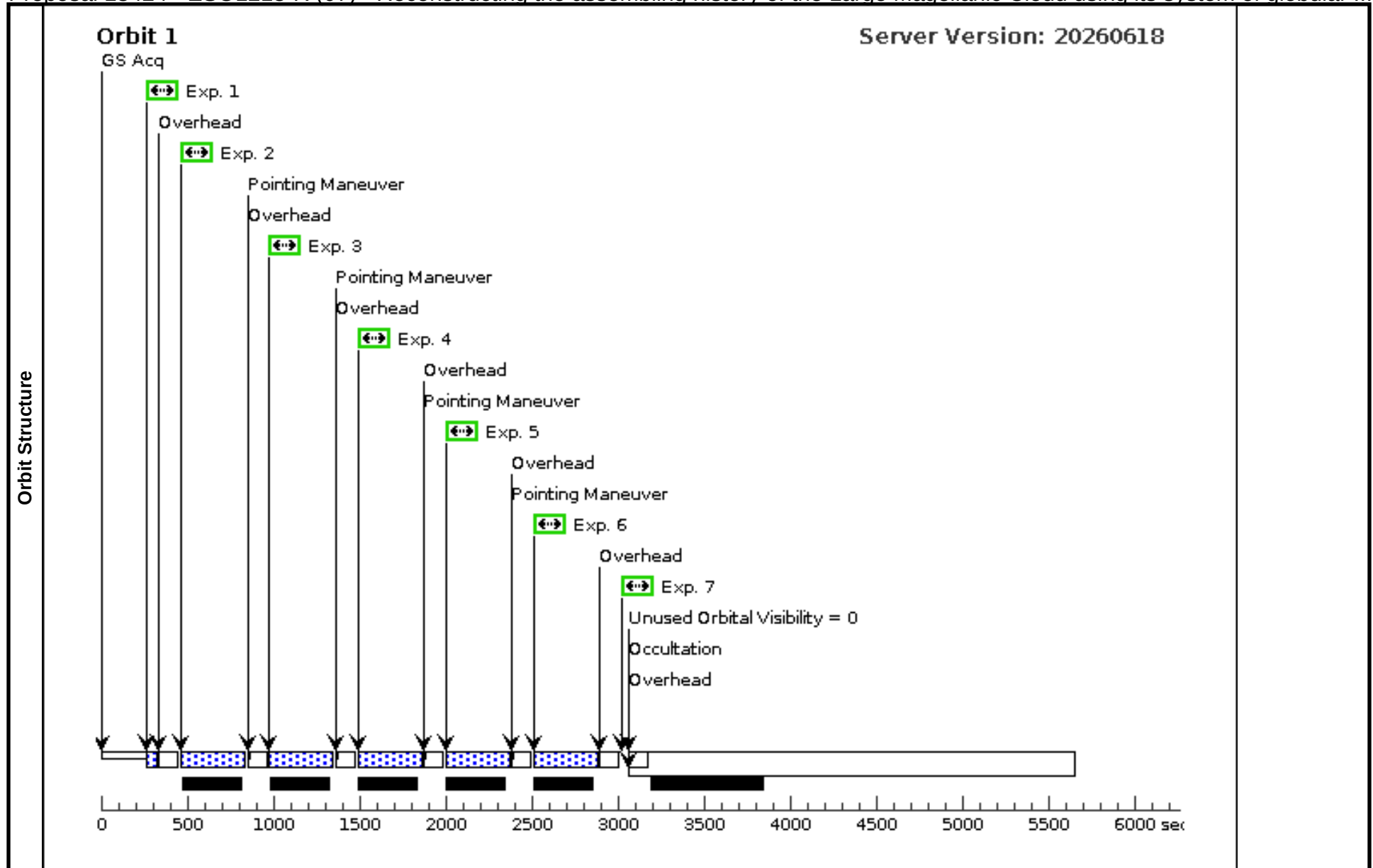
Visit	Proposal 18424, NGC1939-RI (06)									Mon Aug 17 18:01:08 GMT 2026
	Diagnostic Status: Warning									
	Scientific Instruments: WFC3/UVIS									
	Special Requirements: ORIENT 75D TO 95 D; ORIENT 255D TO 275 D									
Diagnostics	(R2 (06.002)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser									
	(R3 (06.003)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser									
	(R4 (06.004)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser									
	(R5 (06.005)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser									
	(R6 (06.006)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord.	Corrections	Fluxes	Miscellaneous			
	(6)	NGC-1939	RA: 05 21 34.5976 (80.3941567d) Dec: -69 56 49.30 (-69.94703d) Equinox: J2000	Epoch of Position: 2000		V=11.83	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	R1	(6) NGC-1939	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=20	POS TARG -5,-5		30 Secs (30 Secs) [==>30.0 Secs]	[1]
	2	R2	(6) NGC-1939	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG -5,-5		400 Secs (379 Secs) [==>379.0 Secs]	[1]
	3	R3	(6) NGC-1939	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG -2.5,-2.5		400 Secs (379 Secs) [==>379.0 Secs]	[1]
	4	R4	(6) NGC-1939	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 0,0		400 Secs (379 Secs) [==>379.0 Secs]	[1]
	5	R5	(6) NGC-1939	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 2.5,2.5		400 Secs (379 Secs) [==>379.0 Secs]	[1]
	6	R6	(6) NGC-1939	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 5,5		400 Secs (379 Secs) [==>379.0 Secs]	[1]
	7	R7	(6) NGC-1939	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=20	POS TARG 5,5		30 Secs (30 Secs) [==>30.0 Secs]	[1]
	8	I1	(6) NGC-1939	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=20	POS TARG 5,5		30 Secs (30 Secs) [==>30.0 Secs]	[2]
	9	I2	(6) NGC-1939	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=15	POS TARG 5,5		400 Secs (379 Secs) [==>379.0 Secs]	[2]
	10	I3	(6) NGC-1939	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=15	POS TARG 2.5,2.5		400 Secs (379 Secs) [==>379.0 Secs]	[2]
	11	I4	(6) NGC-1939	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=15	POS TARG 0,0		400 Secs (379 Secs) [==>379.0 Secs]	[2]
	12	I5	(6) NGC-1939	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=15	POS TARG -2.5,-2.5		400 Secs (379 Secs) [==>379.0 Secs]	[2]
	13	I6	(6) NGC-1939	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=15	POS TARG -5,-5		400 Secs (379 Secs) [==>379.0 Secs]	[2]
	14	I7	(6) NGC-1939	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=20	POS TARG -5,-5		30 Secs (30 Secs) [==>30.0 Secs]	[2]





Proposal 18424 - ESO1213-R (07) - Reconstructing the assembling history of the Large Magellanic Cloud using its system of globular ...

Visit	Proposal 18424, ESO1213-R (07)										Mon Aug 17 18:01:08 GMT 2026	
	Diagnostic Status: Warning											
	Scientific Instruments: WFC3/UVIS											
	Special Requirements: ORIENT 285D TO 305 D; ORIENT 105D TO 125 D											
Diagnostics	(Exposure 2 (ESO1213-R (07))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser											
	(Exposure 3 (ESO1213-R (07))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser											
	(Exposure 4 (ESO1213-R (07))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser											
	(Exposure 5 (ESO1213-R (07))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser											
	(Exposure 6 (ESO1213-R (07))) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(7)	ESO-121-3	RA: 06 01 57.2834 (90.4886808d) Dec: -60 31 33.66 (-60.52602d) Equinox: J2000		Epoch of Position: 2000		V=14.04		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		(7) ESO-121-3	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=20	POS TARG -5,-5		30 Secs (30 Secs) [==>30.0 Secs]		[1]	
	2		(7) ESO-121-3	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG -5,-5		400 Secs (374 Secs) [==>374.0 Secs]		[1]	
	3		(7) ESO-121-3	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG -2.5,-2.5		400 Secs (374 Secs) [==>374.0 Secs]		[1]	
	4		(7) ESO-121-3	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 0,0		400 Secs (373 Secs) [==>373.0 Secs]		[1]	
	5		(7) ESO-121-3	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 2.5,2.5		400 Secs (373 Secs) [==>373.0 Secs]		[1]	
	6		(7) ESO-121-3	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=15	POS TARG 5,5		400 Secs (373 Secs) [==>373.0 Secs]		[1]	
	7		(7) ESO-121-3	WFC3/UVIS, ACCUM, UVIS-CENTER	F606W	FLASH=20	POS TARG 5,5		30 Secs (30 Secs) [==>30.0 Secs]		[1]	



Proposal 18424 - NGC2019-RI (08) - Reconstructing the assembling history of the Large Magellanic Cloud using its system of globular...

Visit	Proposal 18424, NGC2019-RI (08)								Mon Aug 17 18:01:08 GMT 2026	
	Diagnostic Status: Warning									
	Scientific Instruments: WFC3/UVIS									
	Special Requirements: (none)									
Diagnostics	(R2 (08.002)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser									
	(R3 (08.003)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser									
	(R4 (08.004)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser									
	(R5 (08.005)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser									
	(R6 (08.006)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(8)	NGC-2019	RA: 05 31 56.4800 (82.9853333d) Dec: -70 09 32.50 (-70.15903d) Equinox: J2000	Epoch of Position: 2000	V=10.86	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	R1	(8) NGC-2019	WFC3/UVIS, ACCUM, UVIS1	F606W	FLASH=20	POS TARG -5,-5		30 Secs (39 Secs) [==>39.0 Secs]	[1]
	2	R2	(8) NGC-2019	WFC3/UVIS, ACCUM, UVIS1	F606W	FLASH=15	POS TARG -5,-5		400 Secs (382 Secs) [==>382.0 Secs]	[1]
	3	R3	(8) NGC-2019	WFC3/UVIS, ACCUM, UVIS1	F606W	FLASH=15	POS TARG -2.5,-2.5		400 Secs (381 Secs) [==>381.0 Secs]	[1]
	4	R4	(8) NGC-2019	WFC3/UVIS, ACCUM, UVIS1	F606W	FLASH=15	POS TARG 0,0		400 Secs (381 Secs) [==>381.0 Secs]	[1]
	5	R5	(8) NGC-2019	WFC3/UVIS, ACCUM, UVIS1	F606W	FLASH=15	POS TARG 2.5,2.5		400 Secs (381 Secs) [==>381.0 Secs]	[1]
	6	R6	(8) NGC-2019	WFC3/UVIS, ACCUM, UVIS1	F606W	FLASH=15	POS TARG 5,5		400 Secs (381 Secs) [==>381.0 Secs]	[1]
	7	R7	(8) NGC-2019	WFC3/UVIS, ACCUM, UVIS1	F606W	FLASH=20	POS TARG 5,5		30 Secs (39 Secs) [==>39.0 Secs]	[1]
	8	I1	(8) NGC-2019	WFC3/UVIS, ACCUM, UVIS1	F814W	FLASH=20	POS TARG 5,5		30 Secs (39 Secs) [==>39.0 Secs]	[2]
	9	I2	(8) NGC-2019	WFC3/UVIS, ACCUM, UVIS1	F814W	FLASH=15	POS TARG 5,5		400 Secs (382 Secs) [==>382.0 Secs]	[2]
	10	I3	(8) NGC-2019	WFC3/UVIS, ACCUM, UVIS1	F814W	FLASH=15	POS TARG 2.5,2.5		400 Secs (381 Secs) [==>381.0 Secs]	[2]
	11	I4	(8) NGC-2019	WFC3/UVIS, ACCUM, UVIS1	F814W	FLASH=15	POS TARG 0,0		400 Secs (381 Secs) [==>381.0 Secs]	[2]
	12	I5	(8) NGC-2019	WFC3/UVIS, ACCUM, UVIS1	F814W	FLASH=15	POS TARG -2.5,-2.5		400 Secs (381 Secs) [==>381.0 Secs]	[2]
	13	I6	(8) NGC-2019	WFC3/UVIS, ACCUM, UVIS1	F814W	FLASH=15	POS TARG -5,-5		400 Secs (381 Secs) [==>381.0 Secs]	[2]
	14	I7	(8) NGC-2019	WFC3/UVIS, ACCUM, UVIS1	F814W	FLASH=20	POS TARG -5,-5		30 Secs (39 Secs) [==>39.0 Secs]	[2]

