



18405 - The First Direct Measurement of UV Extinction Curves Outside the Local Group in the LMC-like galaxy, NGC 55

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) D-28	STIS/CCD	1	17-Aug-2026 12:01:51.0	yes
02	(1) D-28	STIS/CCD STIS/NUV-MAMA	3	17-Aug-2026 12:01:52.0	yes
03	(1) D-28	STIS/CCD STIS/FUV-MAMA	3	17-Aug-2026 12:01:53.0	yes
04	(2) C1-13	STIS/CCD	1	17-Aug-2026 12:01:53.0	yes
05	(2) C1-13	STIS/CCD STIS/NUV-MAMA	3	17-Aug-2026 12:01:54.0	yes

Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
06	(2) C1-13	STIS/CCD STIS/FUV-MAMA	3	17-Aug-2026 12:01:54.0	yes
07	(3) C2-20	STIS/CCD	1	17-Aug-2026 12:01:55.0	yes
08	(3) C2-20	STIS/CCD STIS/NUV-MAMA	3	17-Aug-2026 12:01:55.0	yes
09	(3) C2-20	STIS/CCD STIS/FUV-MAMA	3	17-Aug-2026 12:01:56.0	yes
10	(4) D-31	STIS/CCD	1	17-Aug-2026 12:01:56.0	yes
11	(4) D-31	STIS/CCD STIS/NUV-MAMA	3	17-Aug-2026 12:01:57.0	yes
12	(4) D-31	STIS/CCD STIS/FUV-MAMA	3	17-Aug-2026 12:01:57.0	yes
13	(5) B-33	STIS/CCD	1	17-Aug-2026 12:01:58.0	yes
14	(5) B-33	STIS/CCD STIS/NUV-MAMA	3	17-Aug-2026 12:01:59.0	yes
15	(5) B-33	STIS/CCD STIS/FUV-MAMA	3	17-Aug-2026 12:01:59.0	yes

35 Total Orbits Used

ABSTRACT

The observations proposed here will be the first UV spectra of reddened OB stars in the Sculptor galaxy, NGC 55, using HST/STIS. These new observations will be used to make the first direct measurements of UV extinction properties in a galaxy outside the Local Group. The UV extinction properties of interstellar dust have now been surveyed for five galaxies in the Local Group (MW, LMC, SMC, M31, M33). There is a family of UV extinction curves that describes the Local Group. Is this family of extinction curves present in other more distant galaxies or is it unique to the Local Group? It is necessary to study a galaxy, outside the Local Group yet close enough for individual stars to be observed. NGC 55 bears a very close resemblance to the LMC in both morphology and metallicity. This makes it likely that the new observations will show significant variations in the dust extinction properties across NGC 55. Extinction curves will be constructed using the standard pair method where observations of the reddened star are compared to a stellar atmosphere model of the same spectral type. In order to analyze the composition and size distributions of the dust grain

Proposal 18405 (STScI Edit Number: 0, Created: Monday, August 17, 2026, 11:02:00AM Eastern Standard Time) - Overview

population,s Maximum Entropy Modeling will be used. The results will be used to provide more accurate dust parameters for radiative transfer modeling of galaxies which cannot be done without a detailed knowledge of the characteristics of this absorbing medium. We are proposing to observe five stars in NGC 55 using HST/STIS and the G140L, G230L, and G430L gratings that will sample the dust in the 30-Dor-like regions in NGC 55 as well as in other parts of the galaxy.

OBSERVING DESCRIPTION

The small aperture and high sensitivity of HST/STIS are ideal for obtaining UV spectra of stars in the crowded fields of NGC 55. The ability to use the 0.2 x 0.2 slit will allow us to avoid including close neighbors. HST imaging has been examined for each of the targets to confirm that they are single stars (Dalcanton et al., 2009). The entire wavelength range covered by the G140L (1150-1730 Å) and G230L (1570-3180 Å) gratings is needed to obtain the UV extinction curve, including the near-UV, the 2175Å bump, and the far-UV rise.

In addition, the stars will be observed with the G430L grating. The wavelengths sampled with the G430L grating spectroscopy will furnish critical temperature and surface gravity diagnostics that are essential to disentangle the slope of the UV extinction from stellar effects. In particular, measuring the size of the Balmer Jump (3645 Å) aids in choosing the closest atmosphere model for comparison.

Using the STIS ETC and assuming a B0I star with $V=20.0$, and reddening of $E(B-V) = 0.3$, the exposures in both UV gratings can be obtained in three orbits each with an average $S/N > 10$ if one bins 7 pixels. A similar S/N of > 10 can be obtained for the G430L grating in one orbit. These calculations assume Cardelli et al. (1989) $R(V) = 3.1$ extinction. If the extinction is more LMC/SMC-like, one can bin more pixels to get the required S/N . Good S/N UV spectra using HST/STIS have been obtained in one orbit using the G140L and G230L gratings for stars in M31 and M33 with similar reddenings and spectral types as the proposed targets in NGC 55 (Clayton et al., 2025; Gordon et al., 2026). The NGC 55 stars are about one magnitude fainter on average, so three orbits per target are required for the UV gratings. The targets are all between early-B and mid-O type and have V magnitudes ≈ 19 , well below the bright limits for the MAMAs.

NGC 55 has orbit visibilities of about 51 minutes. The first orbit for each target has an

overhead of 17.5 minutes including GS Acq, STIS/ACQ, and grating overhead. The second to fourth orbits have overheads of 11.5-14.5 minutes including the GS Reacq and the grating overhead. The G430L grating will be done during the first orbit for each target. So, the G430L grating will have an exposure of 2010s, and the G140L and G230L will have total exposures from the three orbits of 6930s. Since the observations are using the 0.2 x 0.2 slit no pickup is required. The plan is to observe a total of 5 stars in NGC 55 for 7 orbits per star. Therefore, 35 orbits are requested.

Proposal 18405 - Visit 01 - The First Direct Measurement of UV Extinction Curves Outside the Local Group in the LMC-like galaxy, NG...

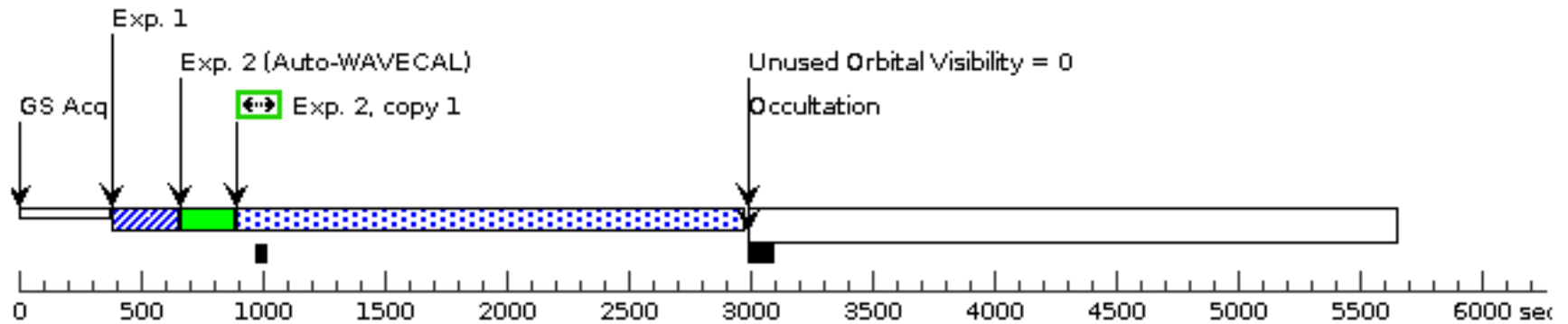
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	Scientific Instruments: STIS/CCD										
	Special Requirements: (none)										
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	(1)	D-28	RA: 00 14 28.5478 (3.6189492d) Dec: -39 10 52.81 (-39.18134d) Equinox: J2000		Epoch of Position: 2000		V=20.11+/-0.01 V-I=0.03		Reference Frame: ICRS		
	Comments: Category=EXT-STAR Description=[B0-B2 III-I] Extended=NO										
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(1) D-28	STIS/CCD, ACQ, F28X50LP		MIRROR				10 Secs (10 Secs)	
										[==>]	[1]
	2		(1) D-28	STIS/CCD, ACCUM, 0.2X0.2		G430L				1800 Secs (2072 Secs)	
						4300 A				[==>1036.0 Secs (Split 1)] [==>1036.0 Secs (Split 2)]	[1]
Orbit Structure	Orbit 1 Server Version: 20260618 GS Acq Exp. 1 Exp. 2 (Auto-WAVECAL) Exp. 2, split 1 Exp. 2, split 2 Occultation Unused Orbital Visibility = 0 Home </										

Proposal 18405 - Visit 02 - The First Direct Measurement of UV Extinction Curves Outside the Local Group in the LMC-like galaxy, NG...

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	Scientific Instruments: STIS/NUV-MAMA, STIS/CCD											
	Special Requirements: (none)											
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	D-28		RA: 00 14 28.5478 (3.6189492d) Dec: -39 10 52.81 (-39.18134d) Equinox: J2000		Epoch of Position: 2000		V=20.11+/-0.01 V-I=0.03		Reference Frame: ICRS		
	Comments: Category=EXT-STAR Description=[B0-B2 III-I] Extended=NO											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) D-28	STIS/CCD, ACQ, F28X50LP		MIRROR				10 Secs (10 Secs)		
										[>=>]		[1]
	2	(STIS.sp.23 64943)	(1) D-28	STIS/NUV-MAMA, ACCUM, 0.2X0.2		G230L 2376 A				2000 Secs X 3 (7124 Secs)		
										[>=>2012.0 Secs (Copy 1)]		[1]
										[>=>2584.0 Secs (Copy 2)]		[2]
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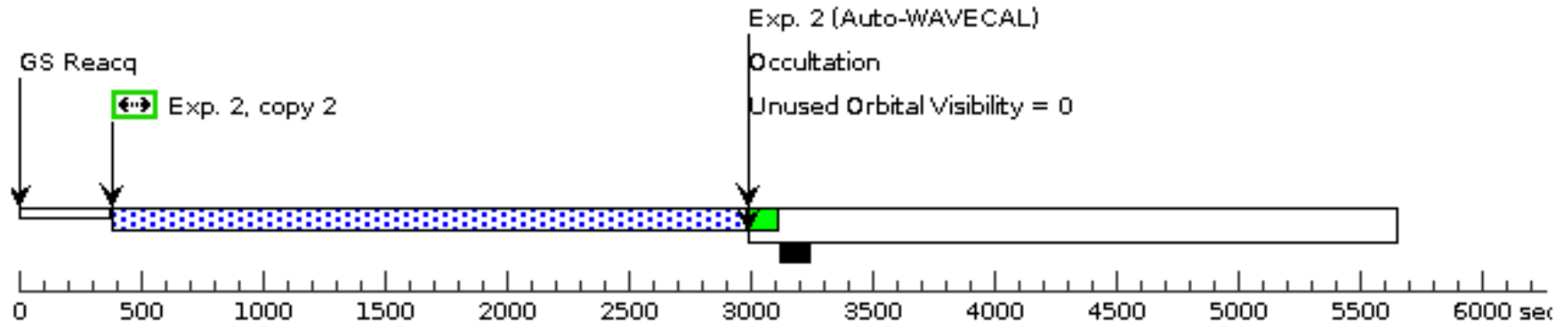
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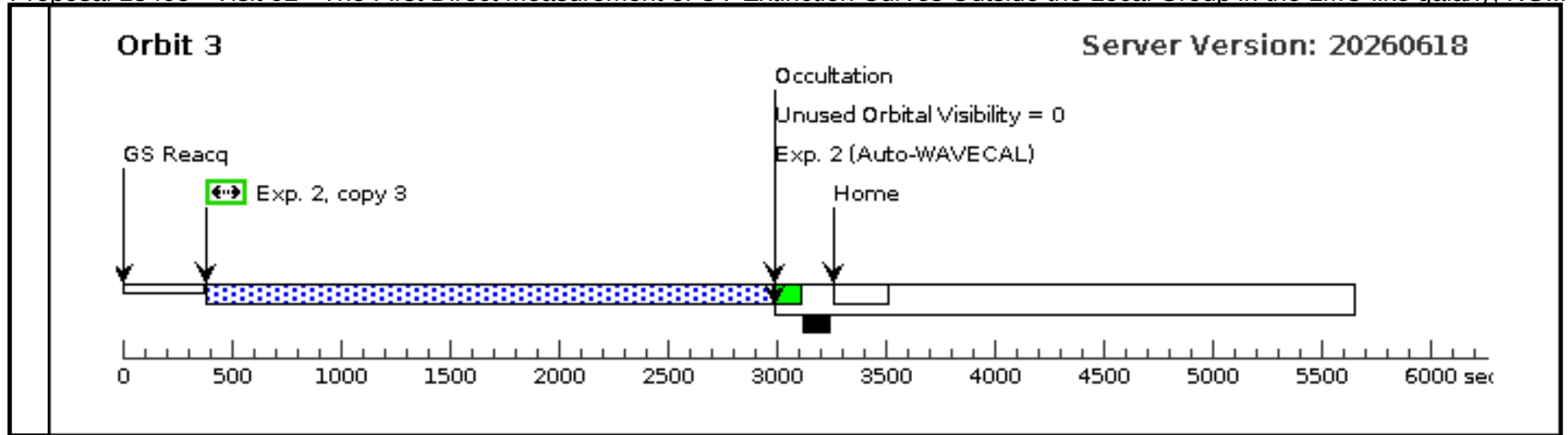
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Orbit 2

Server Version: 20260618



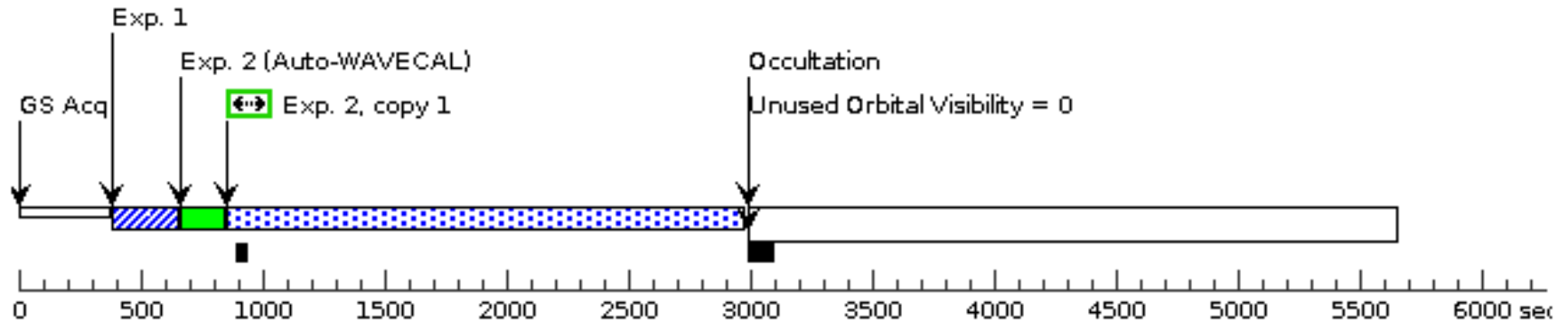


Proposal 18405 - Visit 03 - The First Direct Measurement of UV Extinction Curves Outside the Local Group in the LMC-like galaxy, NG...

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	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA											
	Special Requirements: (none)											
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	(1)	D-28	RA: 00 14 28.5478 (3.6189492d)			Epoch of Position: 2000			V=20.11+/-0.01		Reference Frame: ICRS	
			Dec: -39 10 52.81 (-39.18134d)						V-I=0.03			
			Equinox: J2000									
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Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(1) D-28	STIS/CCD, ACQ, F28X50LP		MIRROR				10 Secs (10 Secs)		
										[>=>]		[1]
	2	(STIS.sp.23 64944)	(1) D-28	STIS/FUV-MAMA, ACCUM, 0.2X0.2		G140L 1425 A				2000 Secs X 3 (7245 Secs)		
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										[>=>2584.0 Secs (Copy 2)]		[2]
									[>=>2570.0 Secs (Copy 3)]		[3]	

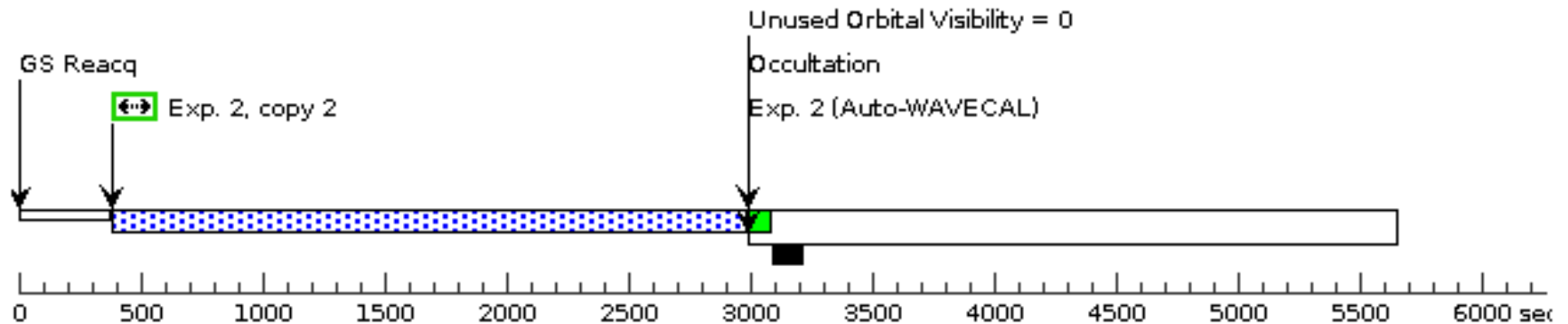
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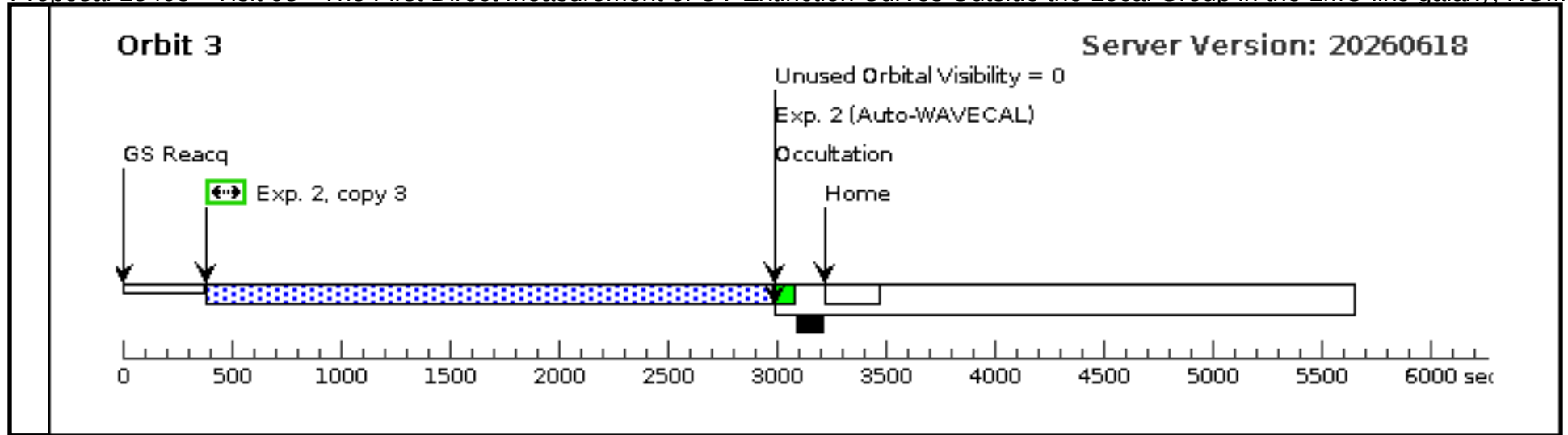
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Orbit 2

Server Version: 20260618





Proposal 18405 - Visit 04 - The First Direct Measurement of UV Extinction Curves Outside the Local Group in the LMC-like galaxy, NG...

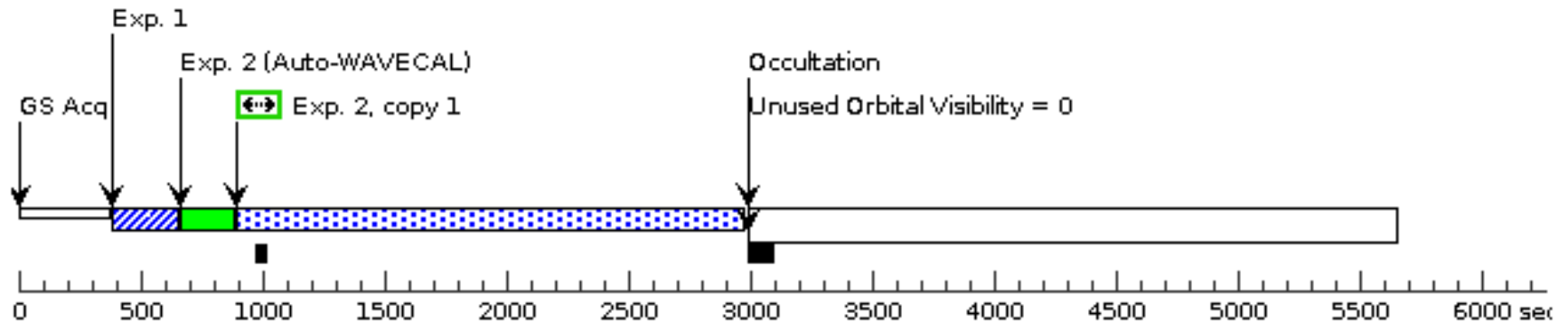
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	Scientific Instruments: STIS/CCD												
	Special Requirements: (none)												
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous				
	(2)	C1-13	RA: 00 14 51.7970 (3.7158208d) Dec: -39 10 56.88 (-39.18247d) Equinox: J2000				V=20.09+/-0.01 V-I=0.045		Reference Frame: ICRS				
Comments: Category=EXT-STAR Description=[B0-B2 III-I]													
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(2) C1-13	STIS/CCD, ACQ, F28X50LP		MIRROR				10 Secs (10 Secs)			
										[>=>]		[1]	
	2		(2) C1-13	STIS/CCD, ACCUM, 0.2X0.2		G430L 4300 A					1800 Secs (2072 Secs)		
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Orbit Structure	Orbit 1 Server Version: 20260618 GS Acq Exp. 1 Exp. 2 (Auto-WAVECAL) Exp. 2, split 1 Exp. 2, split 2 Occultation Unused Orbital Visibility = 0 Home												

Proposal 18405 - Visit 05 - The First Direct Measurement of UV Extinction Curves Outside the Local Group in the LMC-like galaxy, NG...

Visit	Proposal 18405, Visit 05										Mon Aug 17 16:02:00 GMT 2026	
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	Scientific Instruments: STIS/NUV-MAMA, STIS/CCD											
	Special Requirements: (none)											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(2)	C1-13	RA: 00 14 51.7970 (3.7158208d)					V=20.09+/-0.01		Reference Frame: ICRS		
			Dec: -39 10 56.88 (-39.18247d)					V-I=0.045				
			Equinox: J2000									
	Comments: Category=EXT-STAR Description=[B0-B2 III-I]											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(2) C1-13	STIS/CCD, ACQ, F28X50LP		MIRROR				10 Secs (10 Secs)		
										[==>]		[1]
	2	(STIS.sp.23 64946)	(2) C1-13	STIS/NUV-MAMA, ACCUM, 0.2X0.2		G230L 2376 A				2000 Secs X 3 (7124 Secs)		
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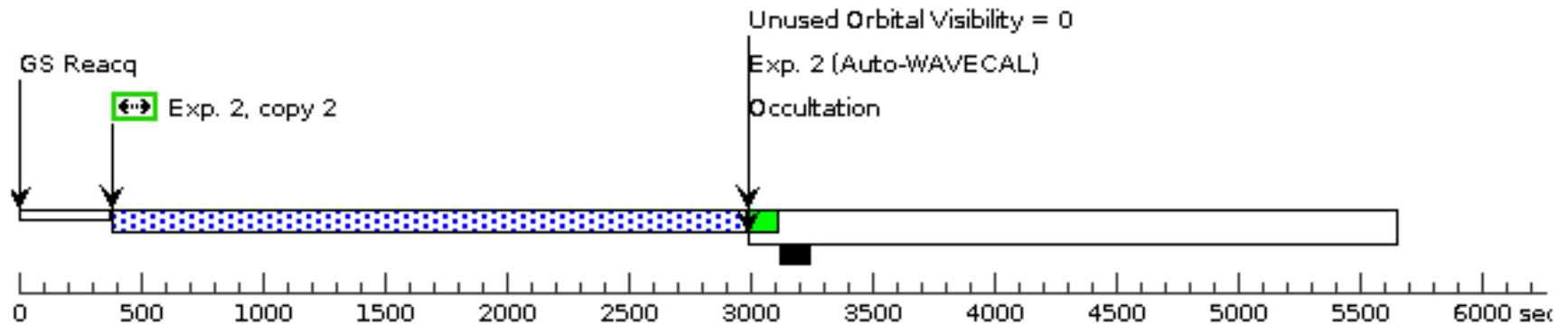
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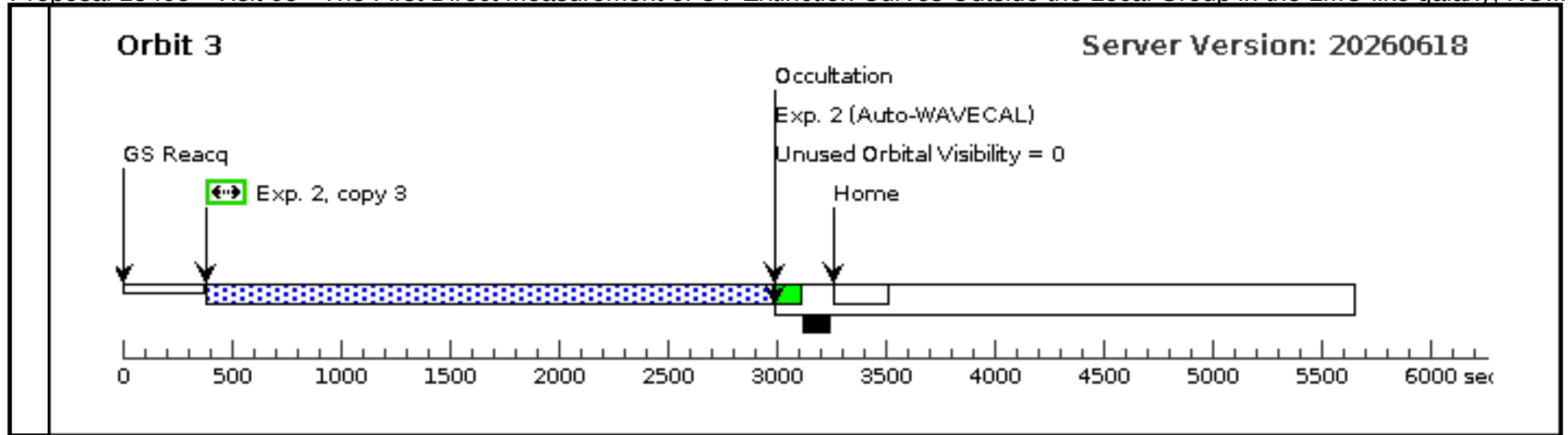
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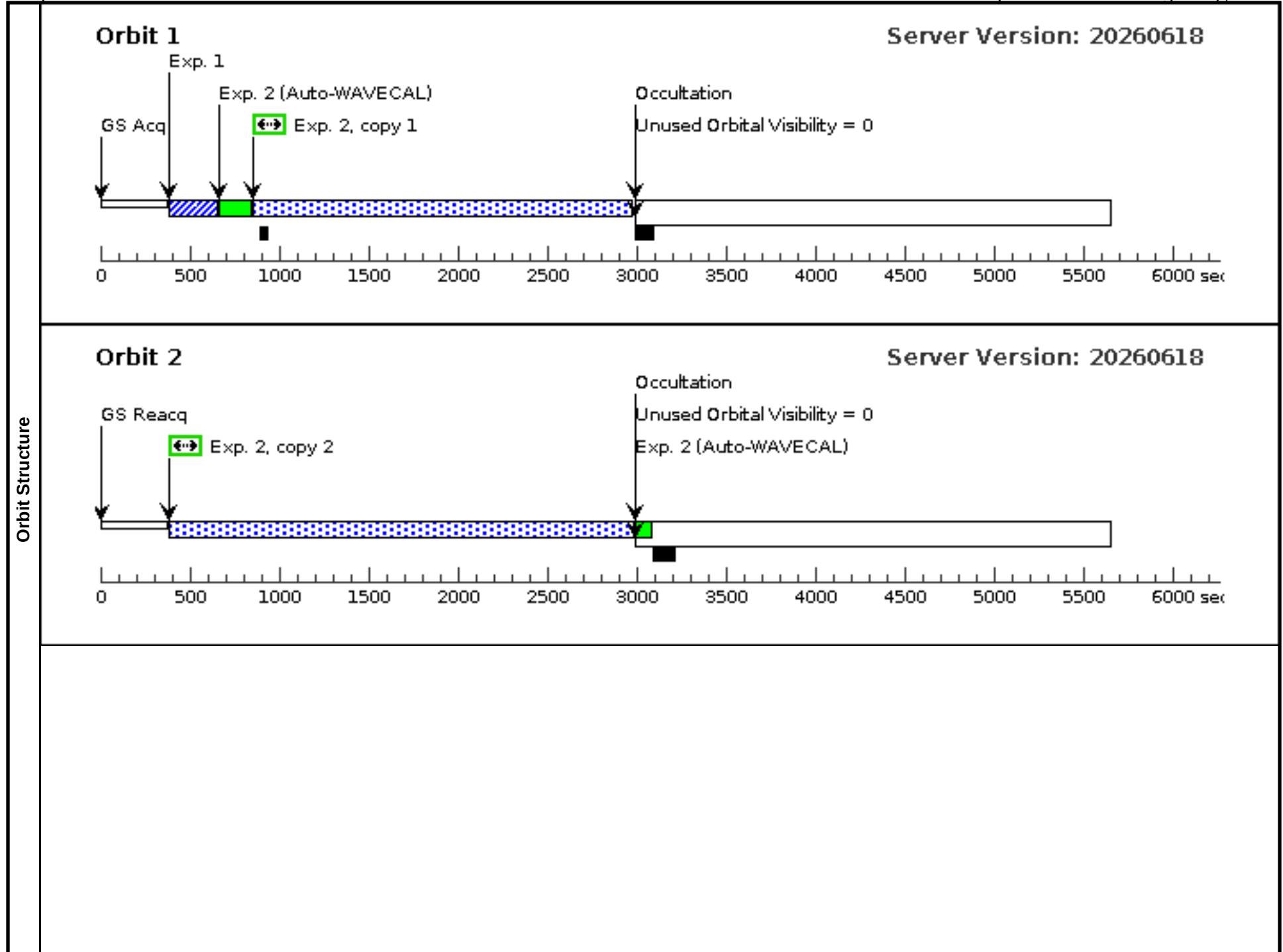
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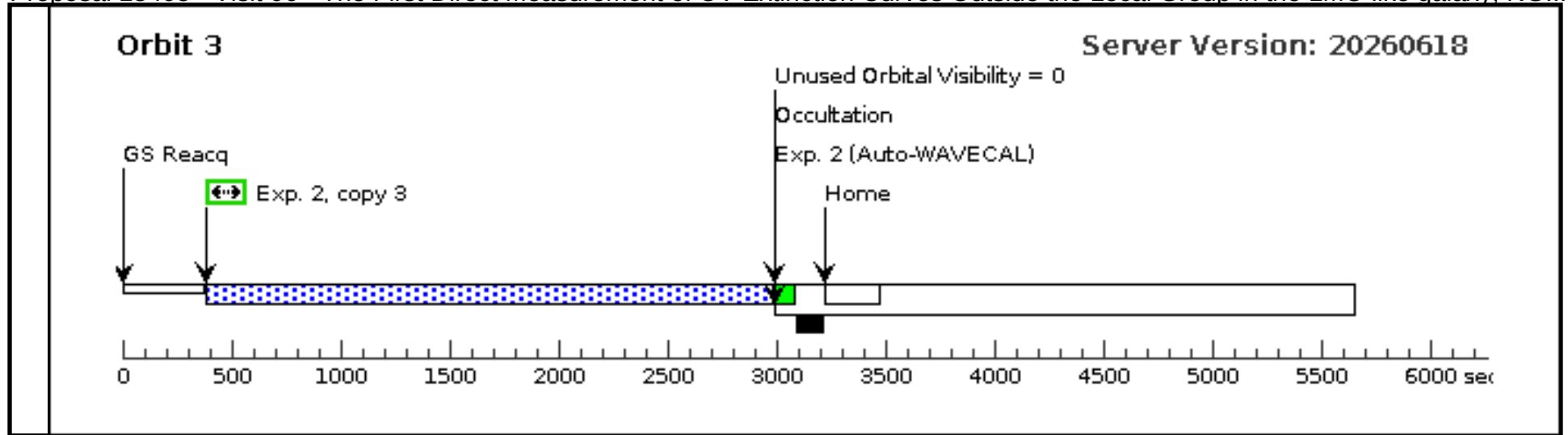




Proposal 18405 - Visit 06 - The First Direct Measurement of UV Extinction Curves Outside the Local Group in the LMC-like galaxy, NG...

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	Special Requirements: (none)											
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			Dec: -39 10 56.88 (-39.18247d)					V-I=0.045				
			Equinox: J2000									
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Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(2) C1-13	STIS/CCD, ACQ, F28X50LP		MIRROR				10 Secs (10 Secs)		
										[==>]		[1]
	2	(STIS.sp.23 64945)	(2) C1-13	STIS/FUV-MAMA, ACCUM, 0.2X0.2		G140L 1425 A				2000 Secs X 3 (7245 Secs)		
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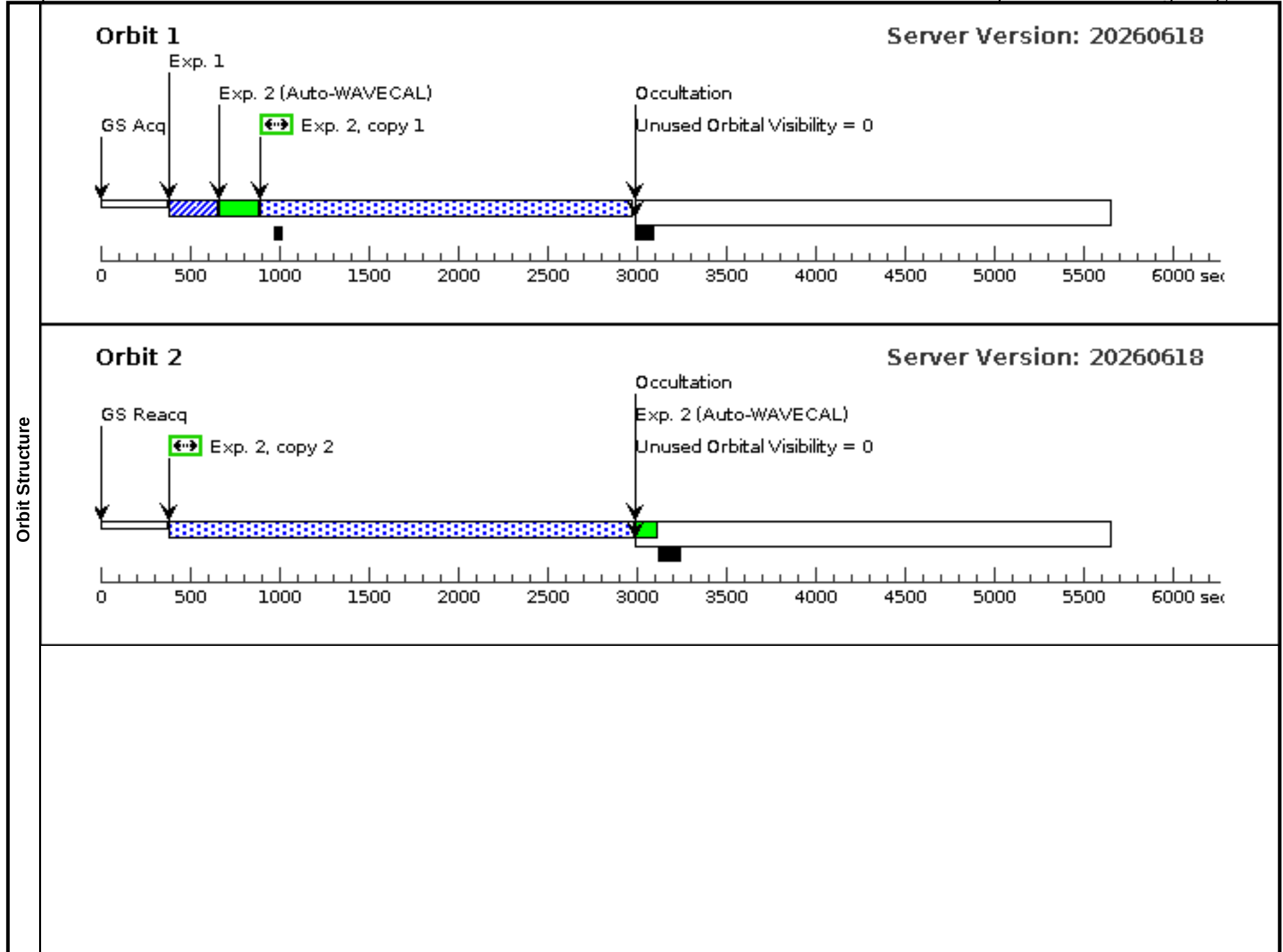


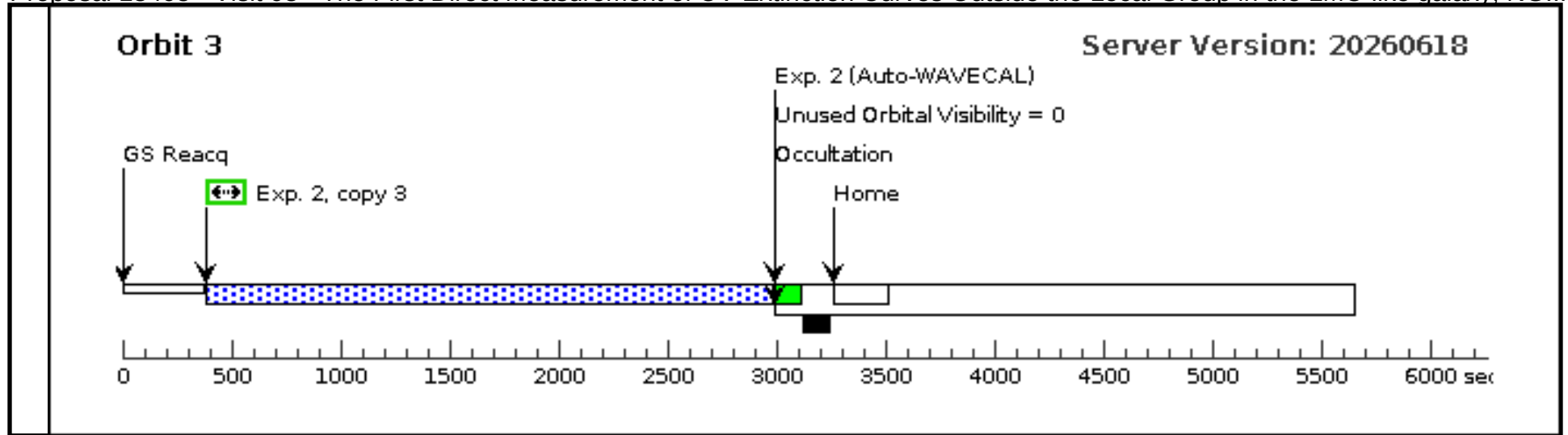


Visit	Proposal 18405, Visit 07										Mon Aug 17 16:02:00 GMT 2026	
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	Special Requirements: (none)											
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	(3)	C2-20	RA: 00 14 53.5294 (3.7230392d)					V=19.36+/-0.01		Reference Frame: ICRS		
			Dec: -39 12 5.79 (-39.20161d)					V-I=0.56				
			Equinox: J2000									
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Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(3) C2-20	STIS/CCD, ACQ, F28X50LP		MIRROR				10 Secs (10 Secs)		
										[==>]		[1]
	2		(3) C2-20	STIS/CCD, ACCUM, 0.2X0.2		G430L				1800 Secs (2072 Secs)		
						4300 A				[==>1036.0 Secs (Split 1)]		
										[==>1036.0 Secs (Split 2)]		[1]
Orbit Structure	Orbit 1 Server Version: 20260618 GS Acq Exp. 1 Exp. 2 (Auto-WAVECAL) Exp. 2, split 1 Exp. 2, split 2 Occultation Home Unused Orbital Visibility = 0 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec											

Proposal 18405 - Visit 08 - The First Direct Measurement of UV Extinction Curves Outside the Local Group in the LMC-like galaxy, NG...

Visit	Proposal 18405, Visit 08										Mon Aug 17 16:02:00 GMT 2026	
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	Scientific Instruments: STIS/NUV-MAMA, STIS/CCD											
	Special Requirements: (none)											
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	(3)	C2-20	RA: 00 14 53.5294 (3.7230392d)					V=19.36+/-0.01		Reference Frame: ICRS		
			Dec: -39 12 5.79 (-39.20161d)					V-I=0.56				
			Equinox: J2000									
	Comments: Category=EXT-STAR Description=[B0-B2 III-I]											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(3) C2-20	STIS/CCD, ACQ, F28X50LP		MIRROR				10 Secs (10 Secs)		
										[==>]		[1]
	2	(STIS.sp.23 64947)	(3) C2-20	STIS/NUV-MAMA, ACCUM, 0.2X0.2		G230L				2000 Secs X 3 (7124 Secs)		
						2376 A				[==>2012.0 Secs (Copy 1)]		[1]
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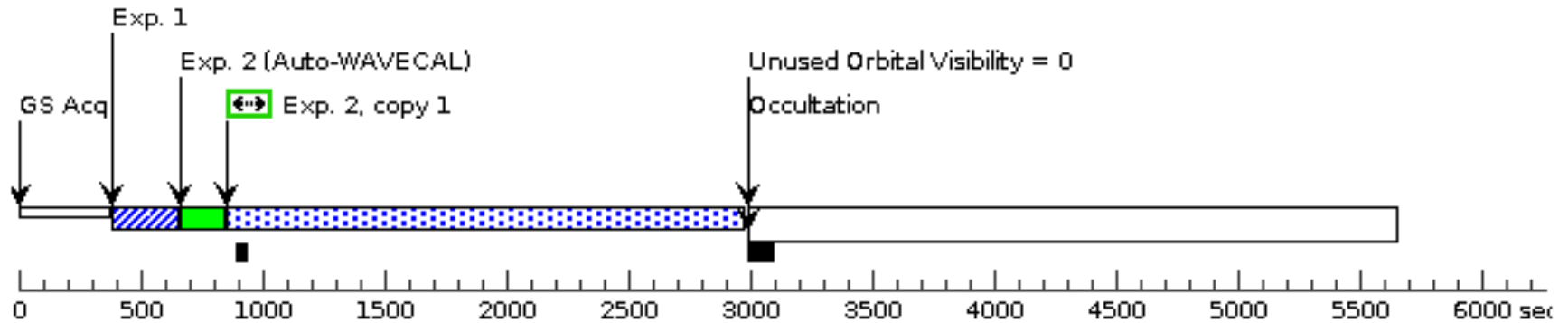


Proposal 18405 - Visit 09 - The First Direct Measurement of UV Extinction Curves Outside the Local Group in the LMC-like galaxy, NG...

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	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA											
	Special Requirements: (none)											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(3)	C2-20	RA: 00 14 53.5294 (3.7230392d)					V=19.36+/-0.01		Reference Frame: ICRS		
			Dec: -39 12 5.79 (-39.20161d)					V-I=0.56				
			Equinox: J2000									
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Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(3) C2-20	STIS/CCD, ACQ, F28X50LP		MIRROR				10 Secs (10 Secs)		
										[==>]		[1]
	2	(STIS.sp.23 64948)	(3) C2-20	STIS/FUV-MAMA, ACCUM, 0.2X0.2		G140L 1425 A				2000 Secs X 3 (7245 Secs)		
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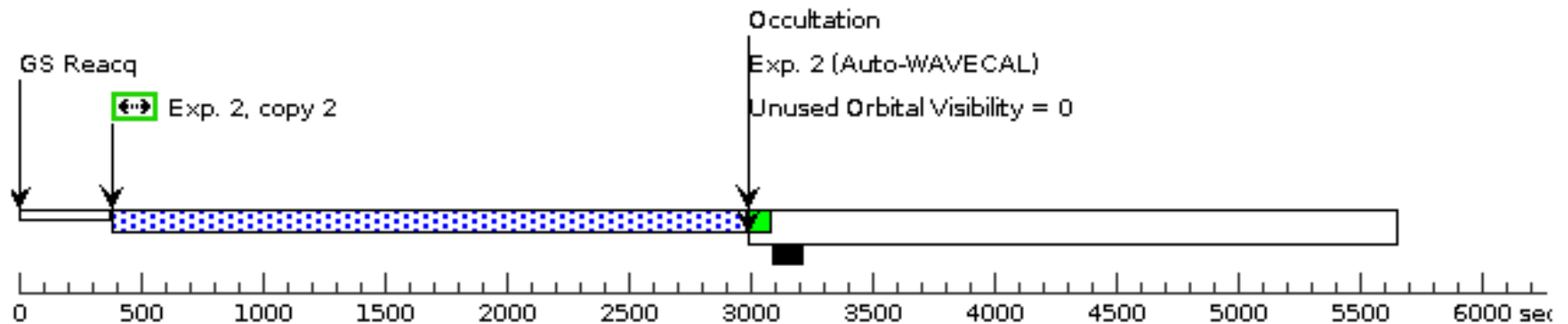
Orbit 1

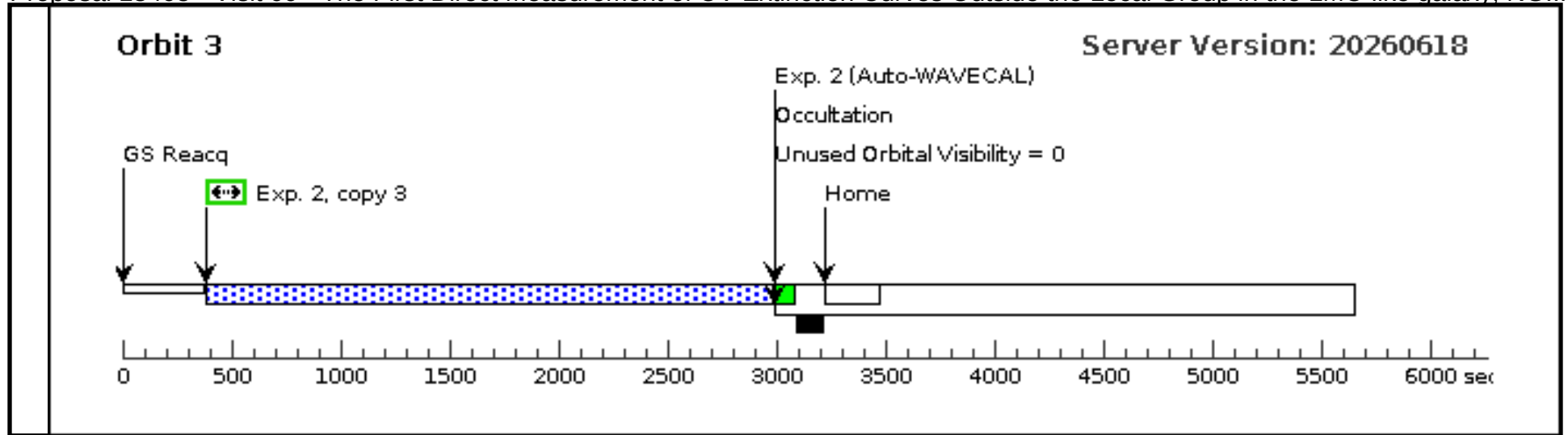
Server Version: 20260618



Orbit 2

Server Version: 20260618



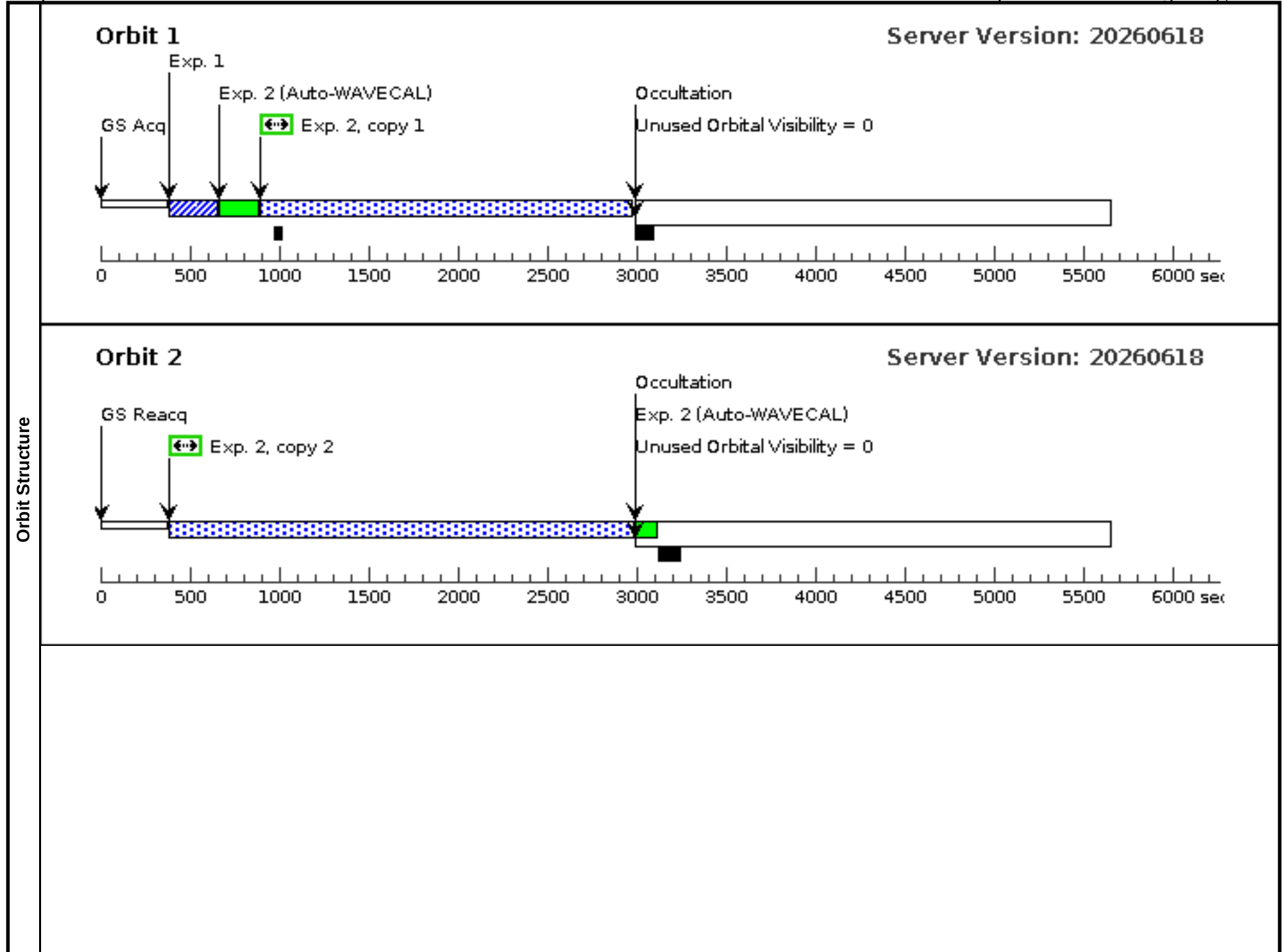


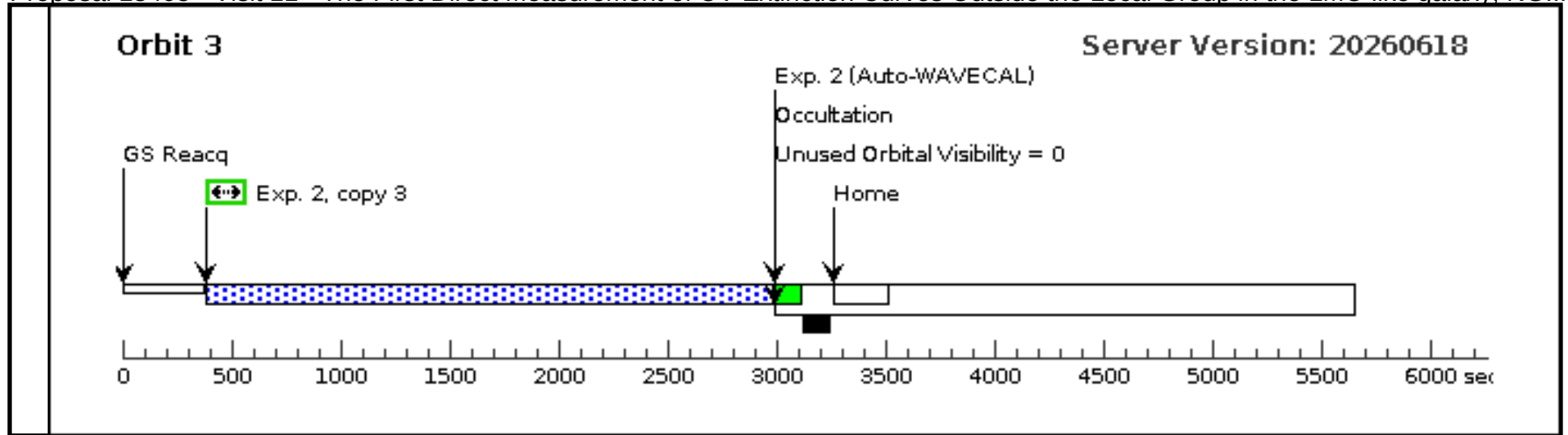
Proposal 18405 - Visit 10 - The First Direct Measurement of UV Extinction Curves Outside the Local Group in the LMC-like galaxy, NG...

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	Scientific Instruments: STIS/CCD										
	Special Requirements: (none)										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(4)	D-31	RA: 00 14 31.9682 (3.6332008d) Dec: -39 10 34.50 (-39.17625d) Equinox: J2000				V=20.21+/-0.01 V-I=0.14		Reference Frame: ICRS		
	Comments: Category=EXT-STAR Description=[B0-B2 III-I]										
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(4) D-31	STIS/CCD, ACQ, F28X50LP		MIRROR				10 Secs (10 Secs)	
										[>=>]	[1]
	2		(4) D-31	STIS/CCD, ACCUM, 0.2X0.2		G430L 4300 A				1800 Secs (2072 Secs)	
										[>=>1036.0 Secs (Split 1)] [>=>1036.0 Secs (Split 2)]	[1]
Orbit Structure	Orbit 1 Server Version: 20260618 Unused Orbital Visibility = 0										

Proposal 18405 - Visit 11 - The First Direct Measurement of UV Extinction Curves Outside the Local Group in the LMC-like galaxy, NG...

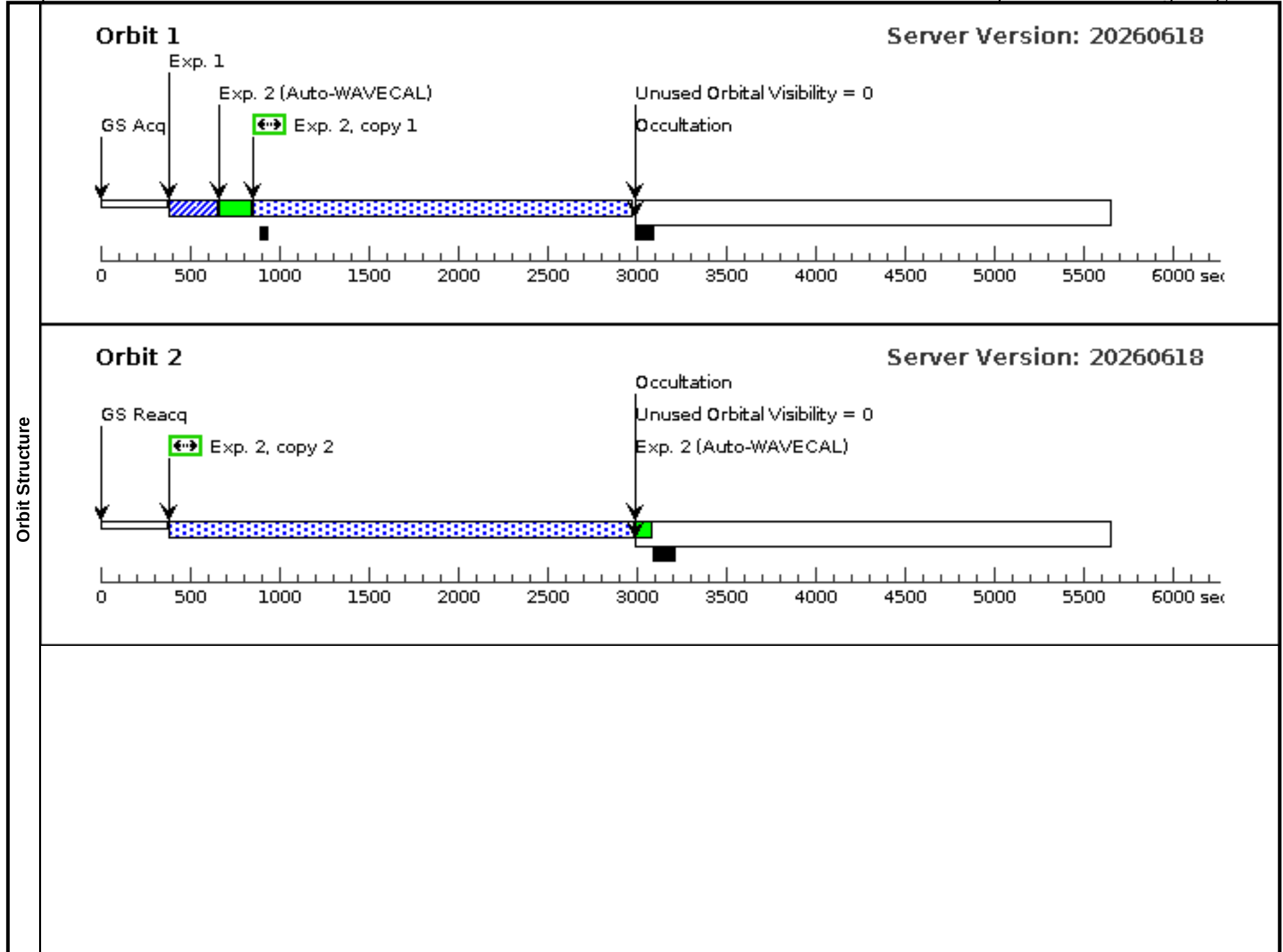
Visit	Proposal 18405, Visit 11										Mon Aug 17 16:02:00 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: STIS/NUV-MAMA, STIS/CCD											
	Special Requirements: (none)											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(4)	D-31	RA: 00 14 31.9682 (3.6332008d)					V=20.21+/-0.01		Reference Frame: ICRS		
			Dec: -39 10 34.50 (-39.17625d)					V-I=0.14				
			Equinox: J2000									
	Comments: Category=EXT-STAR Description=[B0-B2 III-I]											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(4) D-31	STIS/CCD, ACQ, F28X50LP		MIRROR				10 Secs (10 Secs)		
										[==>]		[1]
	2	(STIS.sp.23 64950)	(4) D-31	STIS/NUV-MAMA, ACCUM, 0.2X0.2		G230L 2376 A				2000 Secs X 3 (7124 Secs)		
										[==>2012.0 Secs (Copy 1)]		[1]
										[==>2584.0 Secs (Copy 2)]		[2]
									[==>2528.0 Secs (Copy 3)]		[3]	

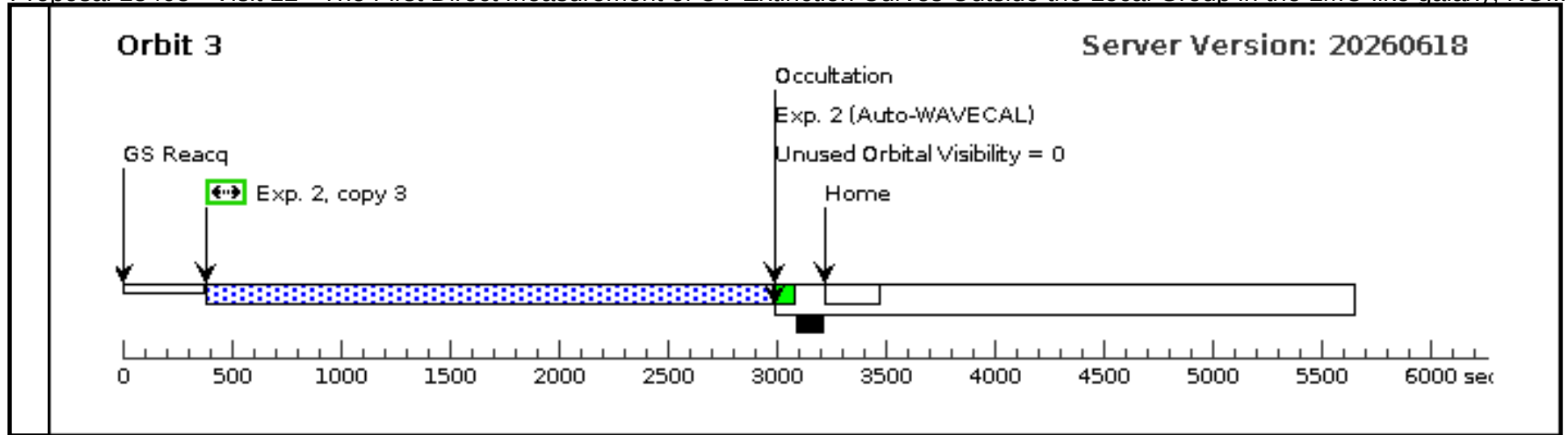




Proposal 18405 - Visit 12 - The First Direct Measurement of UV Extinction Curves Outside the Local Group in the LMC-like galaxy, NG...

Visit	Proposal 18405, Visit 12										Mon Aug 17 16:02:00 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA											
	Special Requirements: (none)											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(4)	D-31	RA: 00 14 31.9682 (3.6332008d)					V=20.21+/-0.01		Reference Frame: ICRS		
			Dec: -39 10 34.50 (-39.17625d)					V-I=0.14				
			Equinox: J2000									
	Comments: Category=EXT-STAR Description=[B0-B2 III-I]											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1		(4) D-31	STIS/CCD, ACQ, F28X50LP	MIRROR				10 Secs (10 Secs)			
									[==>]		[1]	
	2	(STIS.sp.23 64949)	(4) D-31	STIS/FUV-MAMA, ACCUM, 0.2X0.2	G140L				2000 Secs X 3 (7245 Secs)			
					1425 A				[==>2091.0 Secs (Copy 1)]		[1]	
									[==>2584.0 Secs (Copy 2)]		[2]	
								[==>2570.0 Secs (Copy 3)]		[3]		



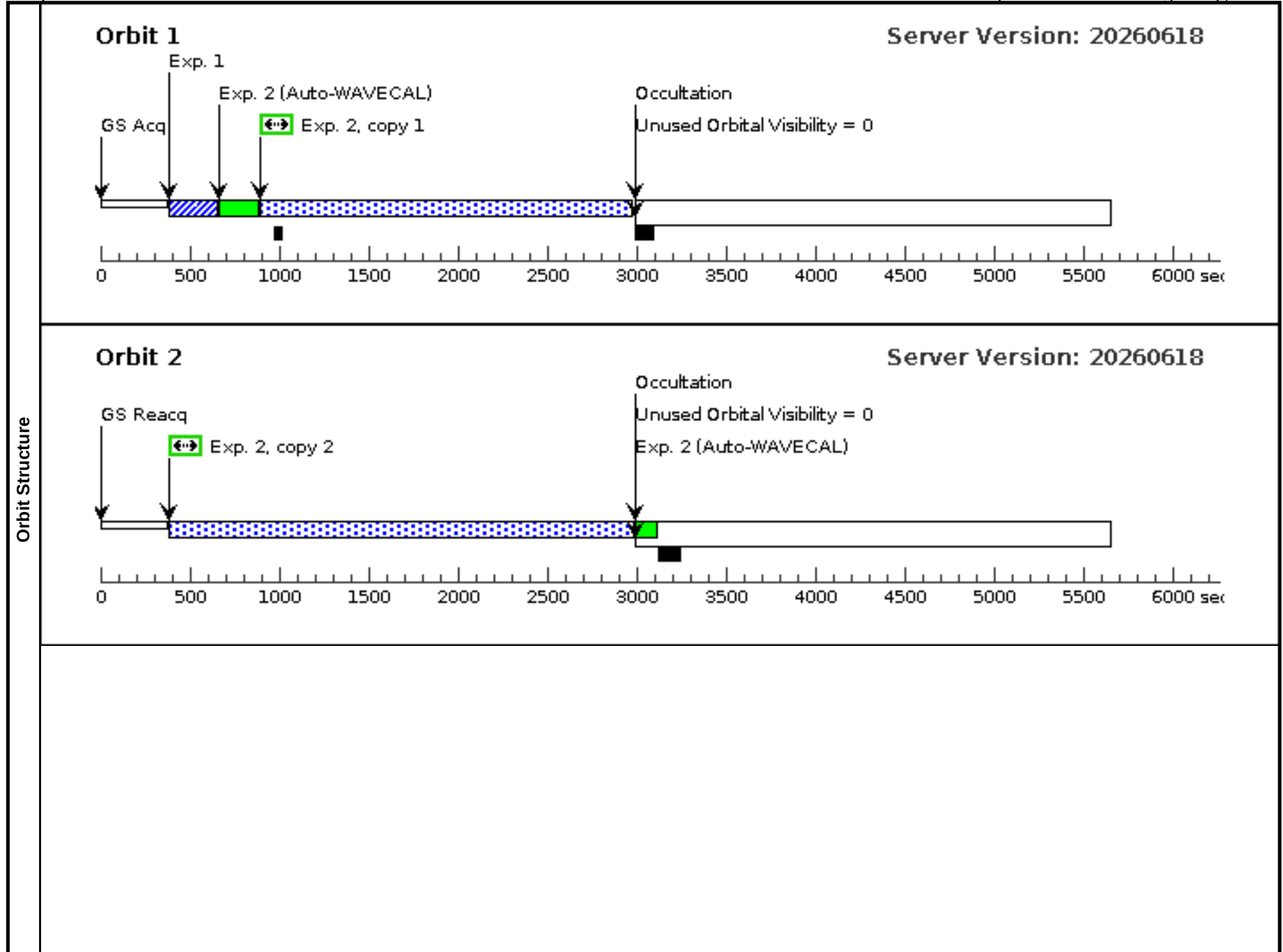


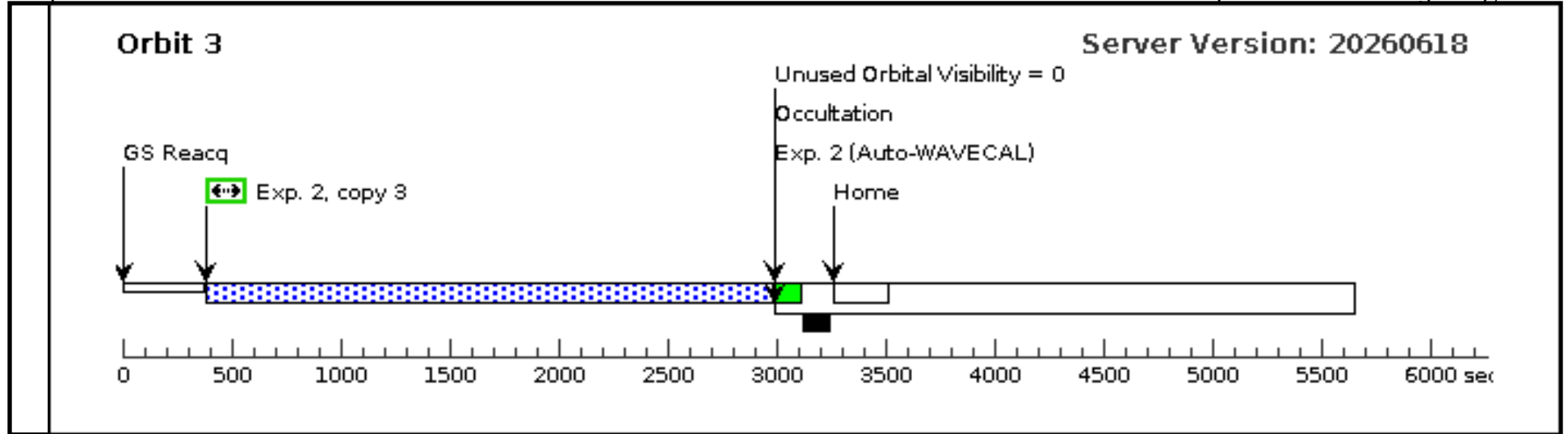
Proposal 18405 - Visit 13 - The First Direct Measurement of UV Extinction Curves Outside the Local Group in the LMC-like galaxy, NG...

Visit	Proposal 18405, Visit 13										Mon Aug 17 16:02:00 GMT 2026
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: STIS/CCD										
	Special Requirements: (none)										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(5)	B-33	RA: 00 15 33.4820 (3.8895083d)				V=19.78+/-0.01		Reference Frame: ICRS		
			Dec: -39 15 10.29 (-39.25286d)				V-I=0.10				
			Equinox: J2000								
	Comments: Category=EXT-STAR Description=[SUPERGIANT O]										
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(5) B-33	STIS/CCD, ACQ, F28X50LP		MIRROR				10 Secs (10 Secs)	
										[>=>]	[1]
	2		(5) B-33	STIS/CCD, ACCUM, 0.2X0.2		G430L				1800 Secs (2072 Secs)	
						4300 A				[>=>1036.0 Secs (Split 1)]	
										[>=>1036.0 Secs (Split 2)]	[1]
Orbit Structure	Orbit 1 Server Version: 20260618 GS Acq Exp. 1 Exp. 2 (Auto-WAVECAL) Exp. 2, split 1 Exp. 2, split 2 Occultation Home Unused Orbital Visibility = 0 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec										

Proposal 18405 - Visit 14 - The First Direct Measurement of UV Extinction Curves Outside the Local Group in the LMC-like galaxy, NG...

Visit	Proposal 18405, Visit 14										Mon Aug 17 16:02:00 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: STIS/NUV-MAMA, STIS/CCD											
	Special Requirements: (none)											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Fluxes		Miscellaneous	
	(5)	B-33	RA: 00 15 33.4820 (3.8895083d)						V=19.78+/-0.01		Reference Frame: ICRS	
			Dec: -39 15 10.29 (-39.25286d)						V-I=0.10			
			Equinox: J2000									
	Comments: Category=EXT-STAR Description=[SUPERGIANT O]											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(5) B-33	STIS/CCD, ACQ, F28X50LP		MIRROR				10 Secs (10 Secs)		
										[==>]		[1]
	2	(STIS.sp.23 64951)	(5) B-33	STIS/NUV-MAMA, ACCUM, 0.2X0.2		G230L 2376 A				2000 Secs X 3 (7124 Secs)		
										[==>2012.0 Secs (Copy 1)]		[1]
										[==>2584.0 Secs (Copy 2)]		[2]
									[==>2528.0 Secs (Copy 3)]		[3]	



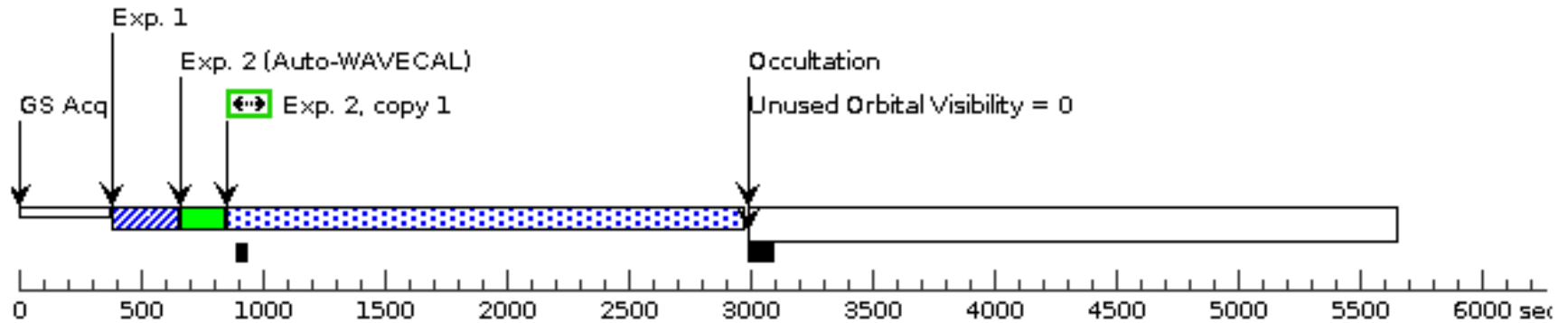


Proposal 18405 - Visit 15 - The First Direct Measurement of UV Extinction Curves Outside the Local Group in the LMC-like galaxy, NG...

Visit	Proposal 18405, Visit 15										Mon Aug 17 16:02:00 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA											
	Special Requirements: (none)											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(5)	B-33	RA: 00 15 33.4820 (3.8895083d)					V=19.78+/-0.01		Reference Frame: ICRS		
			Dec: -39 15 10.29 (-39.25286d)					V-I=0.10				
			Equinox: J2000									
	Comments: Category=EXT-STAR Description=[SUPERGIANT O]											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(5) B-33	STIS/CCD, ACQ, F28X50LP		MIRROR				10 Secs (10 Secs)		
										[==>]		[1]
	2	(STIS.sp.23 64952)	(5) B-33	STIS/FUV-MAMA, ACCUM, 0.2X0.2		G140L 1425 A				2000 Secs X 3 (7245 Secs)		
										[==>2091.0 Secs (Copy 1)]		[1]
										[==>2584.0 Secs (Copy 2)]		[2]
										[==>2570.0 Secs (Copy 3)]		[3]

Orbit 1

Server Version: 20260618



Orbit 2

Server Version: 20260618

