



17756 - Quantifying the Link Between the UV Upturn in Elliptical Galaxies and Multiple Stellar Populations In Globular Clusters

Cycle: 32, 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-1399	WFC3/UVIS	2	11-Sep-2025 21:00:15.0	yes
02	(1) NGC-1399	WFC3/UVIS	2	11-Sep-2025 21:00:15.0	yes
03	(1) NGC-1399	WFC3/UVIS	2	11-Sep-2025 21:00:16.0	yes
04	(1) NGC-1399	WFC3/UVIS	2	11-Sep-2025 21:00:16.0	yes
05	(1) NGC-1399	WFC3/UVIS	2	11-Sep-2025 21:00:16.0	yes
06	(1) NGC-1399	WFC3/UVIS	1	11-Sep-2025 21:00:17.0	yes
07	(2) NGC-4649	WFC3/UVIS	1	11-Sep-2025 21:00:17.0	yes
08	(2) NGC-4649	WFC3/UVIS	1	11-Sep-2025 21:00:17.0	yes
09	(2) NGC-4649	WFC3/UVIS	1	11-Sep-2025 21:00:18.0	yes

Proposal 17756 (STScI Edit Number: 3, Created: Thursday, September 11, 2025, 8:00:25PM Eastern Standard Time) - Overview

<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>
10	(2) NGC-4649	WFC3/UVIS	1	11-Sep-2025 21:00:18.0	yes
11	(2) NGC-4649	WFC3/UVIS	1	11-Sep-2025 21:00:18.0	yes
27	(2) NGC-4649	WFC3/UVIS	1	11-Sep-2025 21:00:18.0	yes
28	(2) NGC-4649	WFC3/UVIS	1	11-Sep-2025 21:00:19.0	yes
29	(2) NGC-4649	WFC3/UVIS	1	11-Sep-2025 21:00:19.0	yes
30	(2) NGC-4649	WFC3/UVIS	1	11-Sep-2025 21:00:19.0	yes
31	(2) NGC-4649	WFC3/UVIS	1	11-Sep-2025 21:00:19.0	yes
12	(2) NGC-4649	WFC3/UVIS	1	11-Sep-2025 21:00:20.0	yes
32	(7) NGC-4649-COPY	WFC3/UVIS	1	11-Sep-2025 21:00:20.0	yes
13	(6) NGC-1407	WFC3/UVIS	1	11-Sep-2025 21:00:20.0	yes
33	(6) NGC-1407	WFC3/UVIS	1	11-Sep-2025 21:00:20.0	yes
14	(6) NGC-1407	WFC3/UVIS	1	11-Sep-2025 21:00:21.0	yes
15	(6) NGC-1407	WFC3/UVIS	1	11-Sep-2025 21:00:21.0	yes
16	(6) NGC-1407	WFC3/UVIS	1	11-Sep-2025 21:00:21.0	yes
34	(6) NGC-1407	WFC3/UVIS	1	11-Sep-2025 21:00:22.0	yes
17	(3) NGC-4473	WFC3/UVIS	1	11-Sep-2025 21:00:22.0	yes
18	(3) NGC-4473	WFC3/UVIS	1	11-Sep-2025 21:00:22.0	yes
19	(3) NGC-4473	WFC3/UVIS	1	11-Sep-2025 21:00:23.0	yes
20	(3) NGC-4473	WFC3/UVIS	1	11-Sep-2025 21:00:23.0	yes
21	(4) NGC-1380	WFC3/UVIS	1	11-Sep-2025 21:00:23.0	yes
22	(4) NGC-1380	WFC3/UVIS	1	11-Sep-2025 21:00:24.0	yes
23	(4) NGC-1380	WFC3/UVIS	1	11-Sep-2025 21:00:24.0	yes
24	(5) NGC-4472	WFC3/UVIS	1	11-Sep-2025 21:00:24.0	yes
25	(5) NGC-4472	WFC3/UVIS	1	11-Sep-2025 21:00:25.0	yes
26	(5) NGC-4472	WFC3/UVIS	1	11-Sep-2025 21:00:25.0	yes

39 Total Orbits Used

ABSTRACT

Recent spectroscopic studies of nearby early-type galaxies (ETGs) revealed unexpected stellar population properties, with light-element abundance ratios $[N/Fe]$ and $[Na/Fe]$ that increase with galaxy mass. This galaxy mass dependence is reminiscent of the "UV upturn" at far-UV wavelengths in ETGs, which is produced by very hot ($T_{\text{eff}} > 20,000$ K) extreme horizontal branch stars that likely have supersolar helium abundances. We propose to test the hypothesis that these mass-dependent light-element abundance variations in He, N, and Na within and among ETGs are physically connected and produced by dissolution of relatively massive, metal-rich globular clusters (GCs), since the latter objects represent the only galactic environment where mass-dependent enrichment of He, N, and Na is known to occur (the "multiple stellar populations" phenomenon). To this end, we propose to obtain deep WFC3/UVIS images of a representative sample of nearby ETGs, spanning the observed range of UV upturn strengths. We will use the F275W and F390W passbands, which provide sensitive probes of the abundances of He and N in integrated-light measurements. When combined with existing archival ACS optical photometry of the same galaxies, we will be able to characterize the enrichment of He and N as a function of galactocentric radius and ETG mass, and in their GC populations themselves as well. This study will be the first to evaluate the level of He- and N-enrichment of the inner regions of ETGs by stars that escaped from massive GCs, which could provide an eye-opening, yet simple, explanation of both the UV upturn and the non-solar abundance ratios of light elements seen in the central regions of ETGs.

OBSERVING DESCRIPTION

For the galaxies with 11 orbits worth of imaging with F275W and F390W, we split up the exposures as follows:

- (1) five 2-orbit visits, each of which do two long dithered F275W exposures per orbit. Each dithered exposure sequence uses POS TARGs relative to one another in order to improve PSF sampling and jump the chip gap. The last such visit includes one F390W image that will be combined with the three F390W exposures in the 1-orbit visit described next;
- (2) one 1-orbit visit with one medium-length F275W exposure and three dithered F390W exposures.

For the galaxies with 3 or 4 orbits worth of imaging with F275W and F390W, we split up the exposures as follows:

- (1) two or three 1-orbit visits, each of which do two long dithered F275W exposures per orbit. Each dithered exposure sequence uses POS TARGs relative to one another in order to improve PSF sampling and jump the chip gap. The last such visit includes one F390W image that will be combined with the three F390W exposures in the 1-orbit visit described next;
- (2) one 1-orbit visit with one medium-length F275W exposure and three dithered F390W exposures.

Proposal 17756 (STScI Edit Number: 3, Created: Thursday, September 11, 2025, 8:00:25PM Eastern Standard Time) - Overview

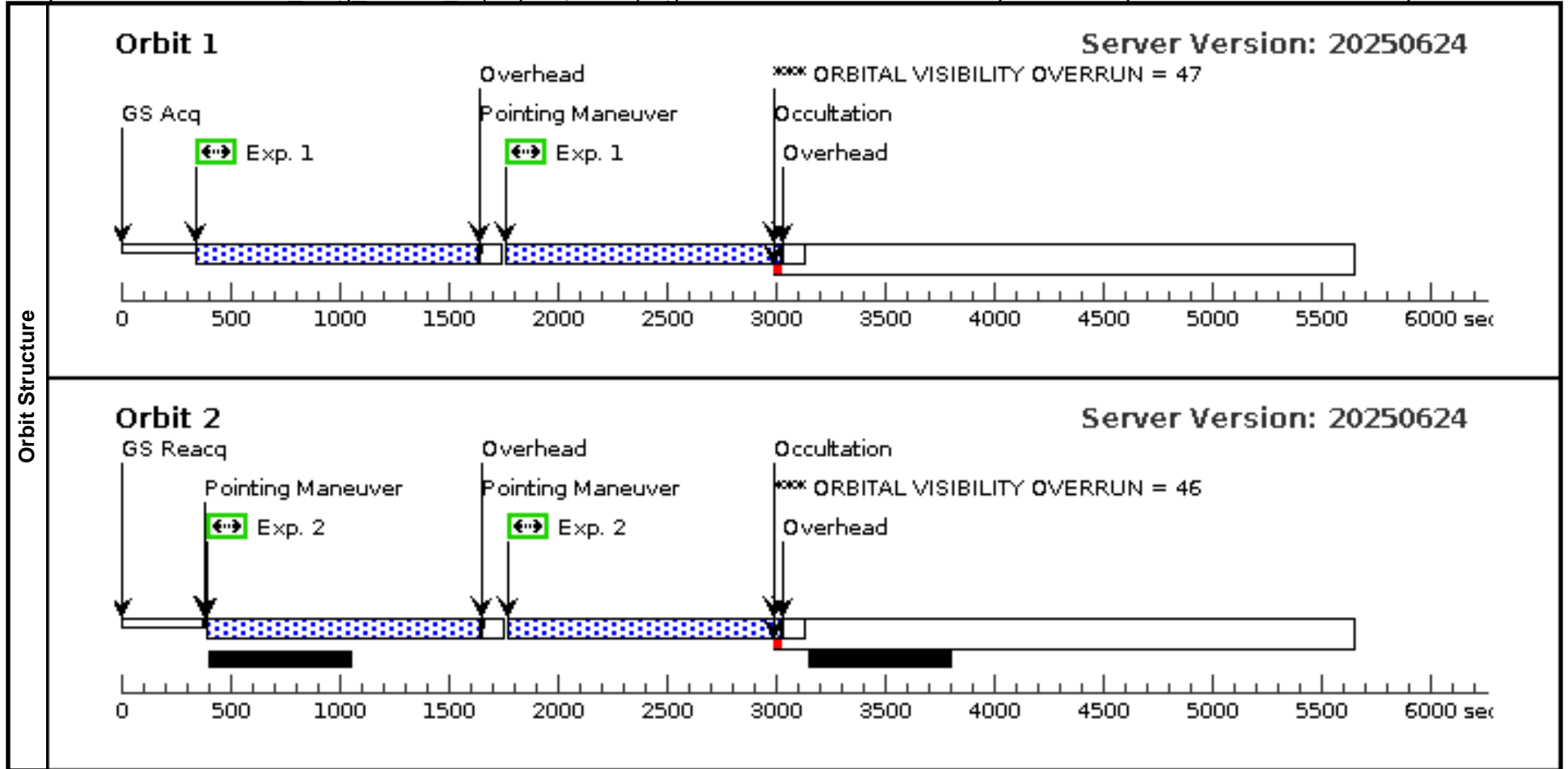
The visits of each target galaxy are linked by using the ORIENT FROM XXX BY -10 TO 10 visit orientation requirement, as requested in the Phase I proposal.

Each exposure uses the FLASH optional parameter in order to reach a background level of (at least) 20 e- to mitigate CTE losses.

Proposal 17756 - N1399 long 2orbits 1 (01) - Quantifying the Link Between the UV Upturn in Elliptical Galaxies and Multiple Stellar P...

Fri Sep 12 01:00:25 GMT 2025

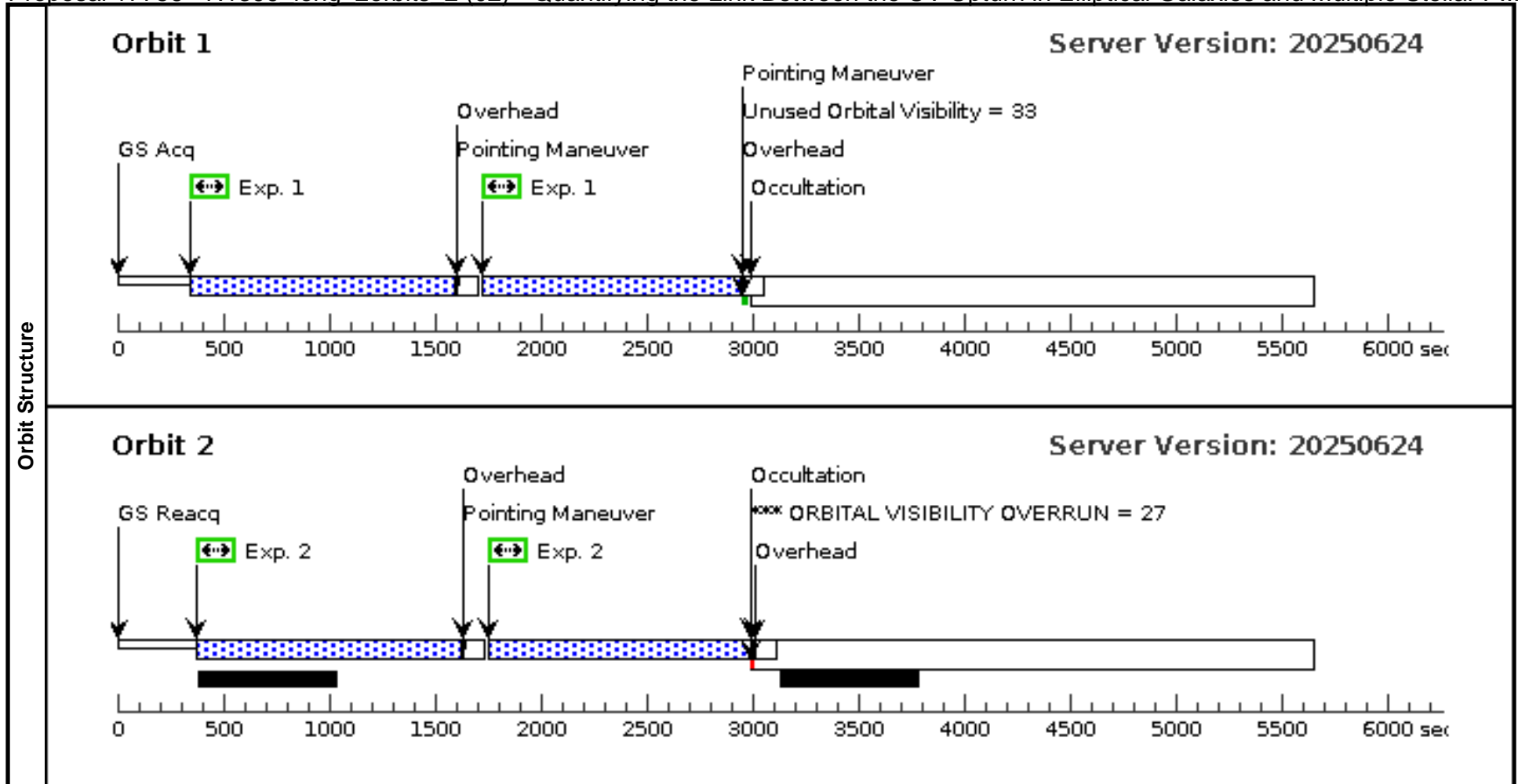
Visit	Proposal 17756, N1399_long_2orbits_1 (01), scheduling Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: PCS MODE FINE; GROUP 01.02.03.04.05.06 WITHIN 30D									
	(N1399_long_2orbits_1 (01)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (N1399_long_2orbits_1 (01)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Diagnosics										
Patterns	#	Primary Pattern			Secondary Pattern	Exposures				
	(3)	Pattern Type=WFC3-UVIS-DITHER- LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.203 Line Spacing=				(1), (2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	NGC-1399	RA: 03 38 29.0830 (54.6211792d) Dec: -35 27 2.67 (-35.45074d) Equinox: J2000 Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[ELLIPTICAL]		V=9.59	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F275W/2exp p	(1) NGC-1399	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=14		Pattern 3, Exps 1-1 in N1399_long_2orbits_1 (01) (3)	1220 Secs (2520 Secs) [==>1260.0 Secs (Pattern 1)] [==>1260.0 Secs (Pattern 2)]	[1]
Comments: Diffuse light from galaxy will deliver at least 6 e- per pixel of background to mitigate CTI.										
2	F275W/2exp p	(1) NGC-1399	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=14	POS TARG 0.297,2.5088		Pattern 3, Exps 2-2 in N1399_long_2orbits_1 (01) (3)	1250 Secs (2496 Secs) [==>1248.0 Secs (Pattern 1)] [==>1248.0 Secs (Pattern 2)]	[2]
Comments: Diffuse light from galaxy will deliver at least 6 e- per pixel of background to mitigate CTI.										



Proposal 17756 - N1399 long 2orbits 2 (02) - Quantifying the Link Between the UV Upturn in Elliptical Galaxies and Multiple Stellar P...

Fri Sep 12 01:00:25 GMT 2025

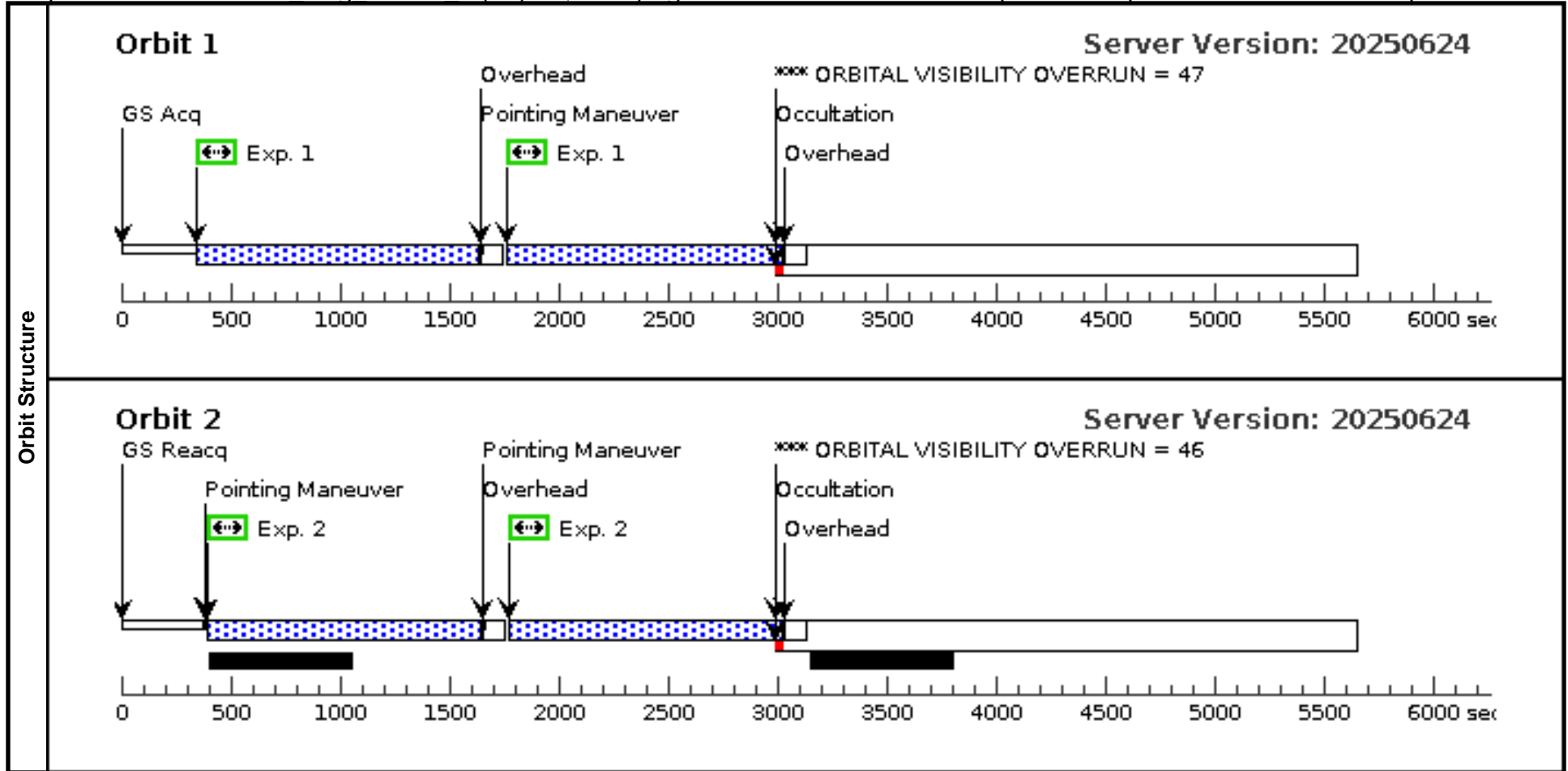
Visit	Proposal 17756, N1399_long_2orbits_2 (02), scheduling Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: PCS MODE FINE; ORIENT -10D TO 10D FROM 01										
	(N1399_long_2orbits_2 (02)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Diagnosics											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(3)	Pattern Type=WFC3-UVIS-DITHER- LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.203 Line Spacing=								(1), (2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	NGC-1399	RA: 03 38 29.0830 (54.6211792d) Dec: -35 27 2.67 (-35.45074d) Equinox: J2000				V=9.59		Reference Frame: ICRS		
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[ELLIPTICAL]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	F275W/2ex p	(1) NGC-1399	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=14	POS TARG -0.0792, -0.1042	Pattern 3, Exps 1-1 in N1399_long_2orbits_2 (02) (3)	1220 Secs (2440 Secs) [=>(Pattern 1)] [=>(Pattern 2)]		[1]
Comments: Diffuse light from galaxy will deliver at least 6 e- per pixel of background to mitigate CTI.											
2	F275W/2ex p	(1) NGC-1399	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=14	POS TARG 0.2097,2 .3644	Pattern 3, Exps 2-2 in N1399_long_2orbits_2 (02) (3)	1250 Secs (2500 Secs) [=>(Pattern 1)] [=>(Pattern 2)]		[2]	
Comments: Diffuse light from galaxy will deliver at least 6 e- per pixel of background to mitigate CTI.											



Proposal 17756 - N1399 long 2orbits 3 (03) - Quantifying the Link Between the UV Upturn in Elliptical Galaxies and Multiple Stellar P...

Fri Sep 12 01:00:25 GMT 2025

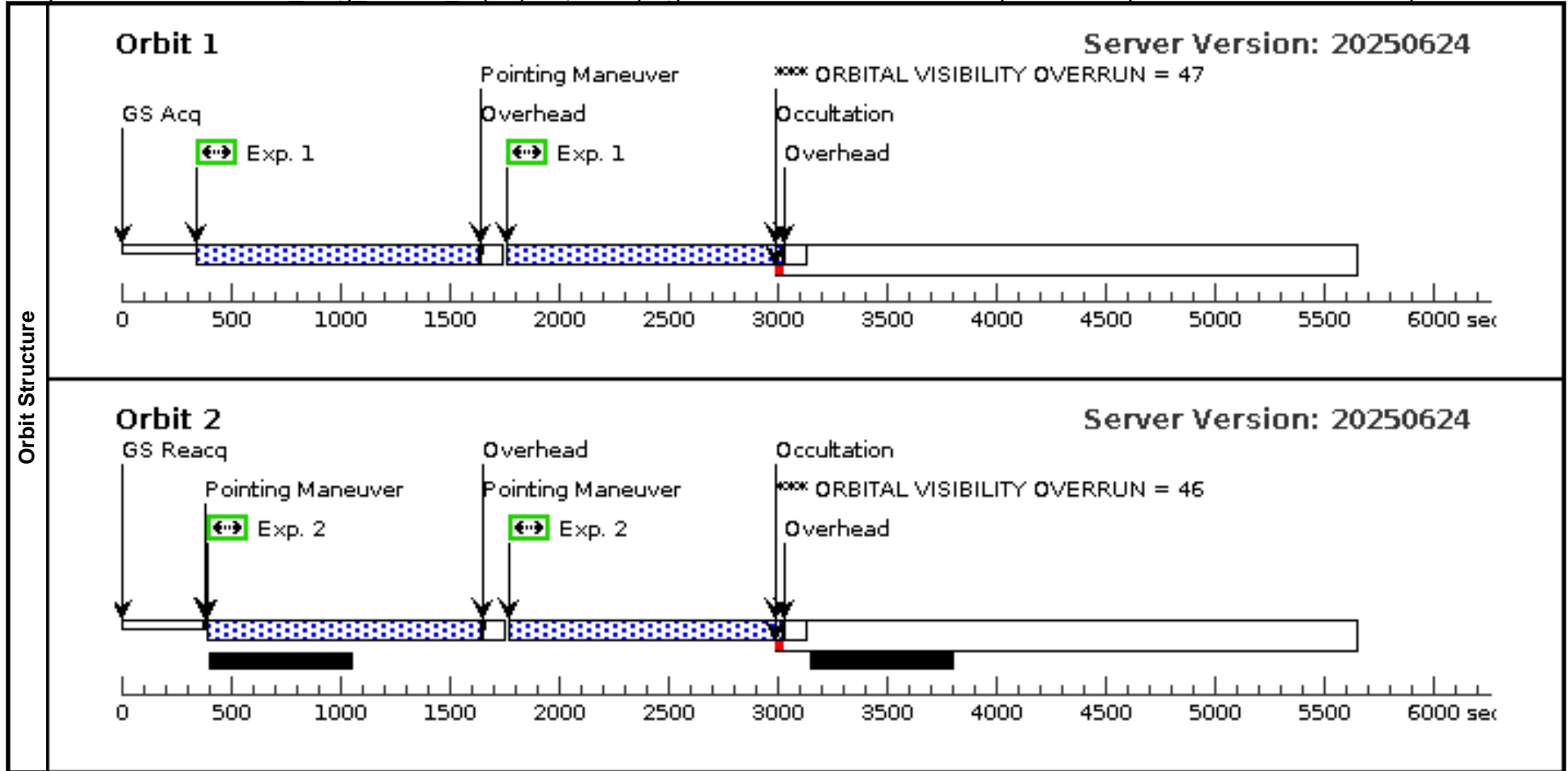
Visit	Proposal 17756, N1399_long_2orbits_3 (03), scheduling Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: PCS MODE FINE; ORIENT -10D TO 10D FROM 01										
	(N1399_long_2orbits_3 (03)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (N1399_long_2orbits_3 (03)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Diagnosics											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(3)	Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.203 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false				(1), (2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	NGC-1399	RA: 03 38 29.0830 (54.6211792d) Dec: -35 27 2.67 (-35.45074d) Equinox: J2000				V=9.59		Reference Frame: ICRS		
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[ELLIPTICAL]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	F275W/2ex p	(1) NGC-1399	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=14	POS TARG 0.000,-0.0889	Pattern 3, Exps 1-1 in N1399_long_2orbits_3 (03) (3)	1220 Secs (2520 Secs) [==>1260.0 Secs (Pattern 1)] [==>1260.0 Secs (Pattern 2)]		[1]
	Comments: Diffuse light from galaxy will deliver at least 6 e- per pixel of background to mitigate CTI.										
2	F275W/2ex p	(1) NGC-1399	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=14	POS TARG 0.2997,2.3804	Pattern 3, Exps 2-2 in N1399_long_2orbits_3 (03) (3)	1250 Secs (2496 Secs) [==>1248.0 Secs (Pattern 1)] [==>1248.0 Secs (Pattern 2)]		[2]	
Comments: Diffuse light from galaxy will deliver at least 6 e- per pixel of background to mitigate CTI.											



Proposal 17756 - N1399 long 2orbits 4 (04) - Quantifying the Link Between the UV Upturn in Elliptical Galaxies and Multiple Stellar P...

Fri Sep 12 01:00:25 GMT 2025

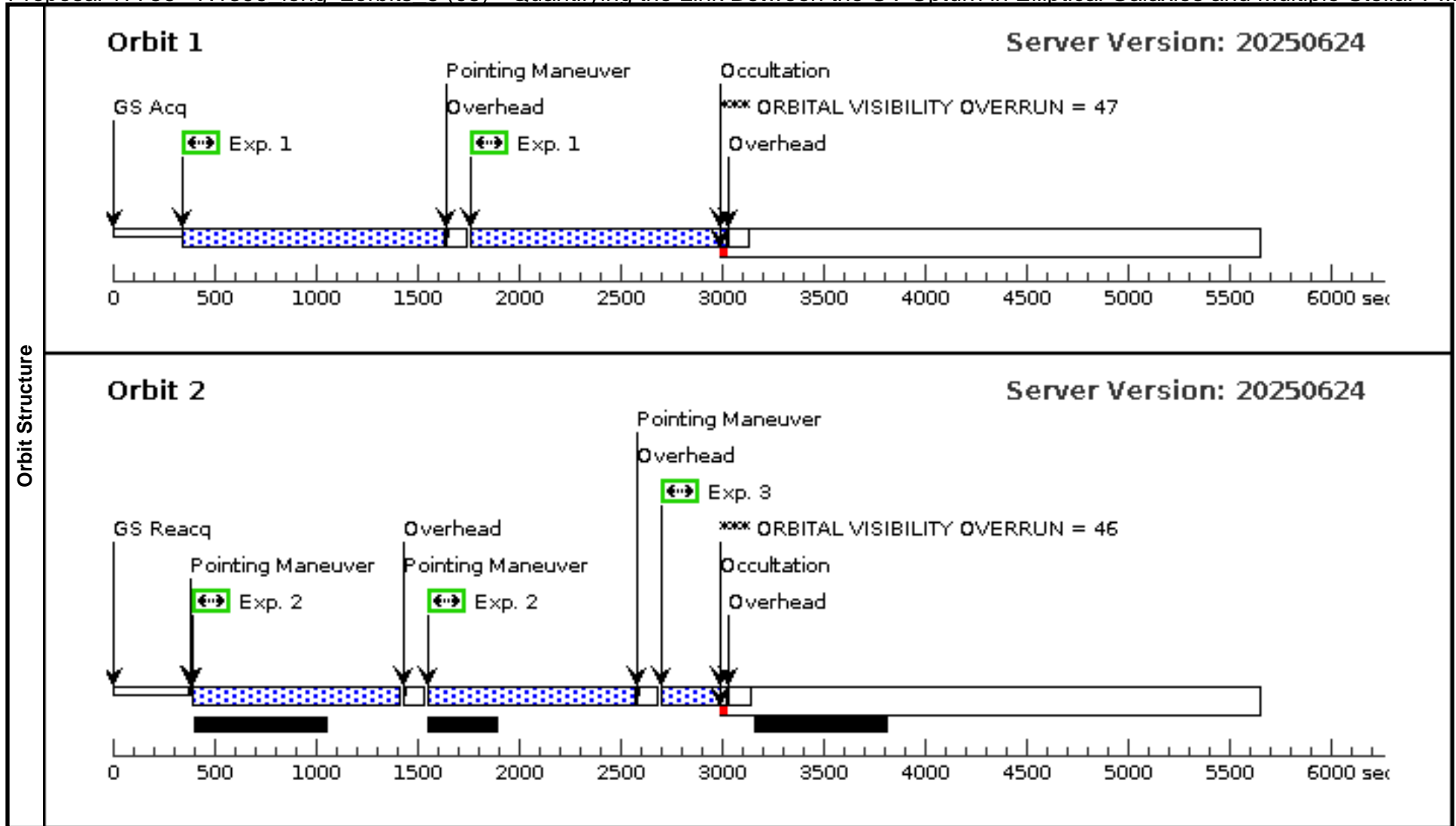
Visit	Proposal 17756, N1399_long_2orbits_4 (04), scheduling Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: PCS MODE FINE; ORIENT -10D TO 10D FROM 01									
	(N1399_long_2orbits_4 (04)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (N1399_long_2orbits_4 (04)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Diagnosics										
Patterns	#	Primary Pattern		Secondary Pattern		Exposures				
	(3)	Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.203 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1), (2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	NGC-1399	RA: 03 38 29.0830 (54.6211792d) Dec: -35 27 2.67 (-35.45074d) Equinox: J2000 Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[ELLIPTICAL]		V=9.59	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F275W/2exp p	(1) NGC-1399	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=14	POS TARG -0.0891, -0.0159	Pattern 3, Exps 1-1 in N1399_long_2orbits_4 (04) (3)	1220 Secs (2520 Secs) [=>1260.0 Secs (Pattern 1)] [=>1260.0 Secs (Pattern 2)]	[1]
	Comments: Diffuse light from galaxy will deliver at least 6 e- per pixel of background to mitigate CTI.									
2	F275W/2exp p	(1) NGC-1399	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=14	POS TARG 0.2097,2 .5323	Pattern 3, Exps 2-2 in N1399_long_2orbits_4 (04) (3)	1250 Secs (2496 Secs) [=>1248.0 Secs (Pattern 1)] [=>1248.0 Secs (Pattern 2)]	[2]	
Comments: Diffuse light from galaxy will deliver at least 6 e- per pixel of background to mitigate CTI.										



Proposal 17756 - N1399 long 2orbits 5 (05) - Quantifying the Link Between the UV Upturn in Elliptical Galaxies and Multiple Stellar P...

Fri Sep 12 01:00:25 GMT 2025

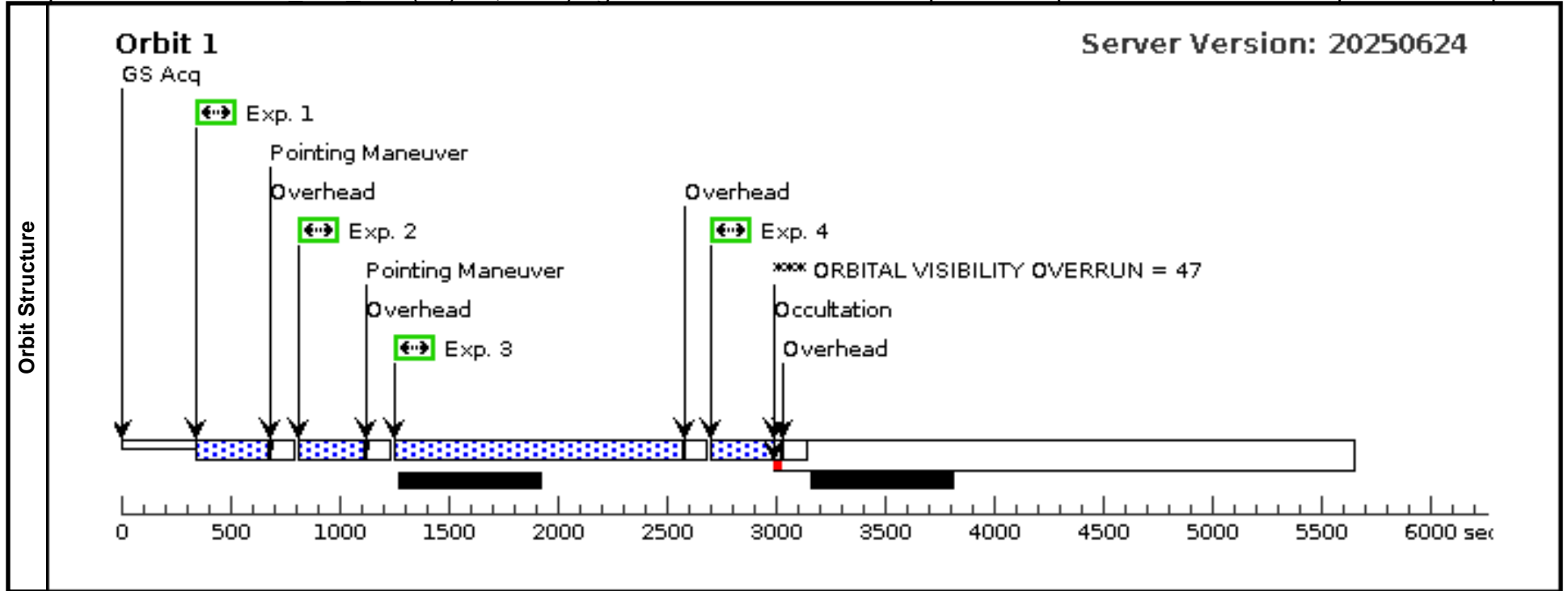
Visit	Proposal 17756, N1399_long_2orbits_5 (05), scheduling Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: PCS MODE FINE; ORIENT -10D TO 10D FROM 01										
	(N1399_long_2orbits_5 (05)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (N1399_long_2orbits_5 (05)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Diagnosics											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(3)	Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.203 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false				(1), (2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	NGC-1399	RA: 03 38 29.0830 (54.6211792d) Dec: -35 27 2.67 (-35.45074d) Equinox: J2000				V=9.59		Reference Frame: ICRS		
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[ELLIPTICAL]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	F275W/2exp	(1) NGC-1399	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=14	POS TARG -0.0693, 0.0447	Pattern 3, Exps 1-1 in N1399_long_2orbits_5 (05) (3)	1220 Secs (2520 Secs)		
										[==>1260.0 Secs (Pattern 1)]	[1]
										[==>1260.0 Secs (Pattern 2)]	
Comments: Diffuse light from galaxy will deliver at least 6 e- per pixel of background to mitigate CTI.											
2	F275W/2exp	(1) NGC-1399	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=14	POS TARG 0.2277,2 .3559	Pattern 3, Exps 2-2 in N1399_long_2orbits_5 (05) (3)	1050 Secs (2042 Secs)			
									[==>1021.0 Secs (Pattern 1)]	[2]	
									[==>1021.0 Secs (Pattern 2)]		
Comments: Diffuse light from galaxy will deliver at least 6 e- per pixel of background to mitigate CTI.											
3	F390W/300s	(1) NGC-1399	WFC3/UVIS, ACCUM, UVIS-CENTER	F390W	FLASH=15	POS TARG 0.2970,2 .5877		300 Secs (300 Secs)			
									[==>]	[2]	



Proposal 17756 - N1399_275_390 (06) - Quantifying the Link Between the UV Upturn in Elliptical Galaxies and Multiple Stellar Popula...

Fri Sep 12 01:00:26 GMT 2025

Visit	Proposal 17756, N1399_275_390 (06), scheduling Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: PCS MODE FINE; ORIENT -10D TO 10D FROM 01										
	(N1399_275_390 (06)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Diagnosics											
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
	(1)	NGC-1399	RA: 03 38 29.0830 (54.6211792d) Dec: -35 27 2.67 (-35.45074d) Equinox: J2000		V=9.59	Reference Frame: ICRS					
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[ELLIPTICAL]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	F390W/300s	(1) NGC-1399	WFC3/UVIS, ACCUM, UVIS-CENTER	F390W	FLASH=15			300 Secs (300 Secs) [==>]	[1]	
	Comments: Diffuse light from galaxy will deliver at least 6 e- per pixel of background to mitigate CTI.										
	2	F390W/300s	(1) NGC-1399	WFC3/UVIS, ACCUM, UVIS-CENTER	F390W	FLASH=15	POS TARG 0.1584,0 .070			300 Secs (300 Secs) [==>]	[1]
	Comments: Diffuse light from galaxy will deliver at least 6 e- per pixel of background to mitigate CTI.										
3	F275W/118 0s	(1) NGC-1399	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=14	POS TARG 0.1386,2 .5177			1180 Secs (1300 Secs) [==>1300.0 Secs]	[1]	
4	F390W/300s	(1) NGC-1399	WFC3/UVIS, ACCUM, UVIS-CENTER	F390W	FLASH=15	POS TARG 0.1386,2 .5177			300 Secs (300 Secs) [==>]	[1]	

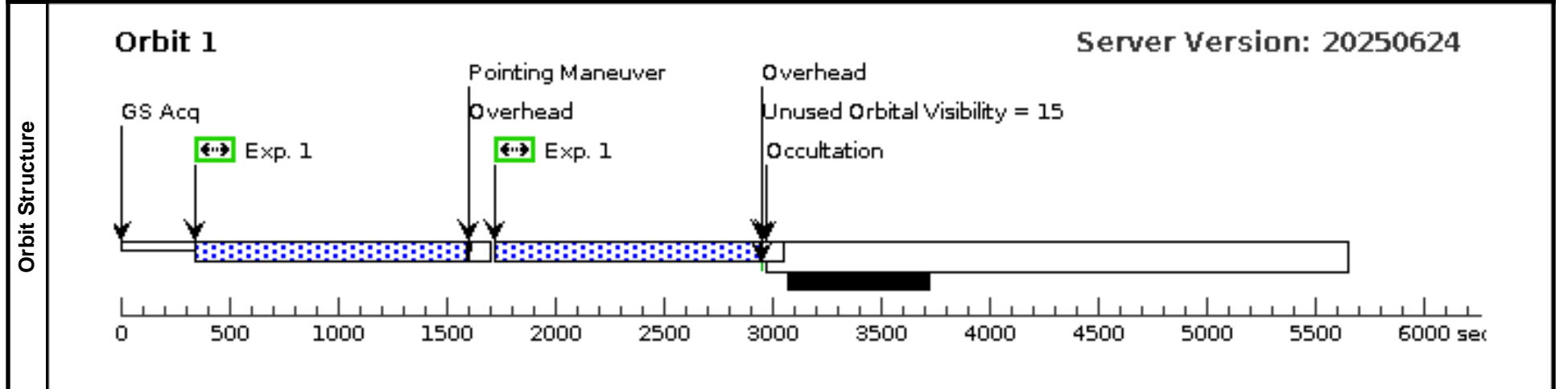


Visit	Proposal 17756, N4649_long_1orbit_1 (07), failed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: PCS MODE FINE; GROUP 07,08,09,10,11,12,27,28,29,30,31 WITHIN 30D; SEQ 07,27 WITHIN 30 D		

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.203 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1)

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(2)	NGC-4649	RA: 12 43 37.9035 (190.9079313d) Dec: +11 33 3.17 (11.55088d) Equinox: J2000		V=8.84	Reference Frame: ICRS
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[ELLIPTICAL]					

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F275W/2exp p	(2) NGC-4649	WFC3/UVIS, ACCUM, UVIS	F275W	FLASH=14	GS ACQ SCENARI O BASE103	Pattern 3, Exps 1-1 i n N4649_long_1orbi t_1 (07) (3)	1220 Secs (2440 Secs) [=>(Pattern 1)] [=>(Pattern 2)]	[1]
	Comments: Diffuse light from galaxy will deliver at least 6 e- per pixel of background to mitigate CTI.									



Visit	Proposal 17756, N4649_long_1orbit_2 (08), completed		
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: PCS MODE FINE; ORIENT -10D TO 10D FROM 07		

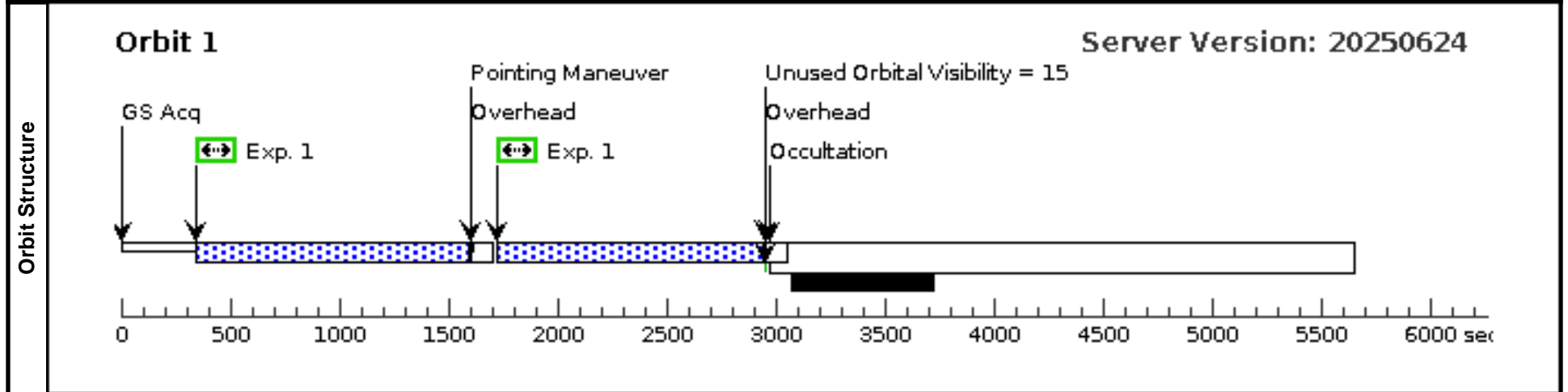
Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(3)	Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.203 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(2)	NGC-4649	RA: 12 43 37.9035 (190.9079313d) Dec: +11 33 3.17 (11.55088d) Equinox: J2000		V=8.84	Reference Frame: ICRS

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
 Category=GALAXY
 Description=[ELLIPTICAL]

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F275W/2ex p	(2) NGC-4649	WFC3/UVIS, ACCUM, UVIS	F275W	FLASH=14	POS TARG -0.0792, -0.1042; GS ACQ SCENARI O BASE103	Pattern 3, Exps 1-1 i n N4649_long_1orbi t_2 (08) (3)	1220 Secs (2440 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]

Comments: Diffuse light from galaxy will deliver at least 6 e- per pixel of background to mitigate CTI.



Visit	Proposal 17756, N4649_long_1orbit_3 (09), completed		
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: PCS MODE FINE; ORIENT -10D TO 10D FROM 07		

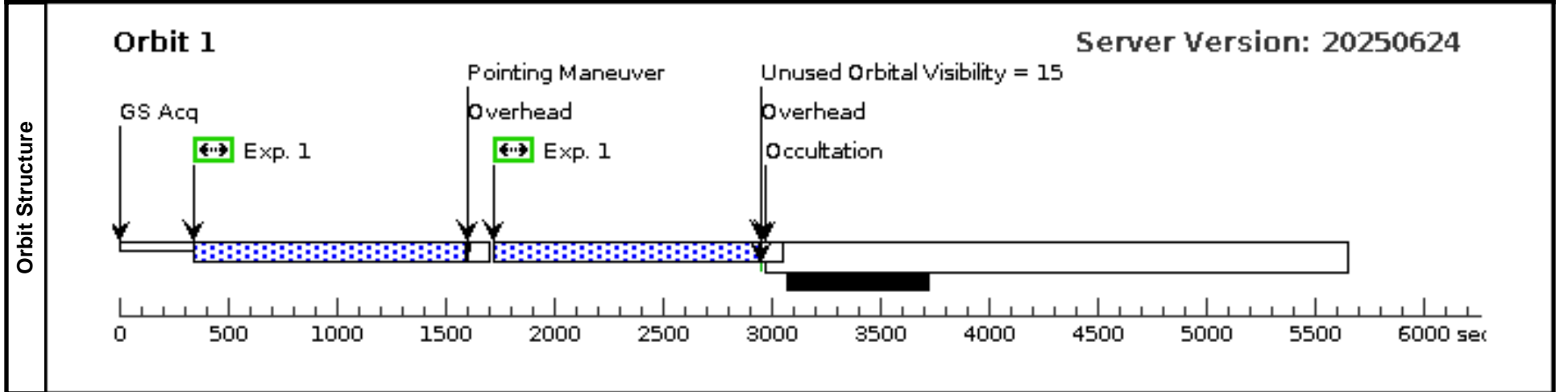
Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(3)	Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.203 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(2)	NGC-4649	RA: 12 43 37.9035 (190.9079313d) Dec: +11 33 3.17 (11.55088d) Equinox: J2000		V=8.84	Reference Frame: ICRS

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
 Category=GALAXY
 Description=[ELLIPTICAL]

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F275W/2ex p	(2) NGC-4649	WFC3/UVIS, ACCUM, UVIS	F275W	FLASH=14	POS TARG 0.0,-0.0889; GS ACQ SCENARIO BASE103	Pattern 3, Exps 1-1 in N4649_long_1orbit_3 (09) (3)	1220 Secs (2440 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]

Comments: Diffuse light from galaxy will deliver at least 6 e- per pixel of background to mitigate CTI.



Visit	Proposal 17756, N4649_long_1orbit_4 (10), completed		
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: PCS MODE FINE; ORIENT -10D TO 10D FROM 07		

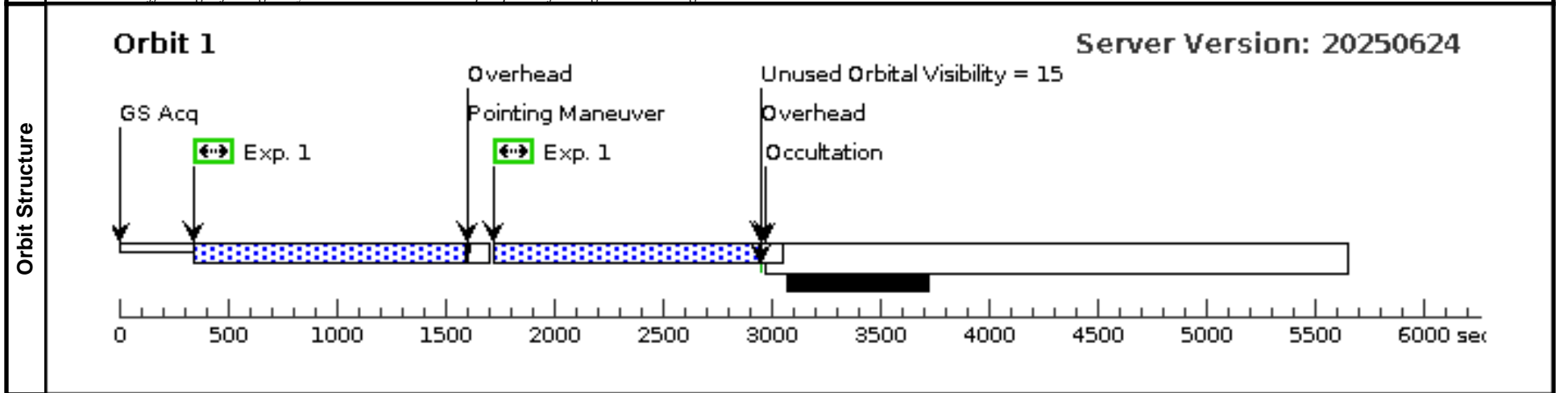
Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.203 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(2)	NGC-4649	RA: 12 43 37.9035 (190.9079313d) Dec: +11 33 3.17 (11.55088d) Equinox: J2000		V=8.84	Reference Frame: ICRS

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
 Category=GALAXY
 Description=[ELLIPTICAL]

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F275W/2exp p	(2) NGC-4649	WFC3/UVIS, ACCUM, UVIS	F275W	FLASH=14	POS TARG -0.0891, -0.0159; GS ACQ SCENARI O BASE103	Pattern 3, Exps 1-1 in N4649_long_1orbit_4 (10) (3)	1220 Secs (2440 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]

Comments: Diffuse light from galaxy will deliver at least 6 e- per pixel of background to mitigate CTI.

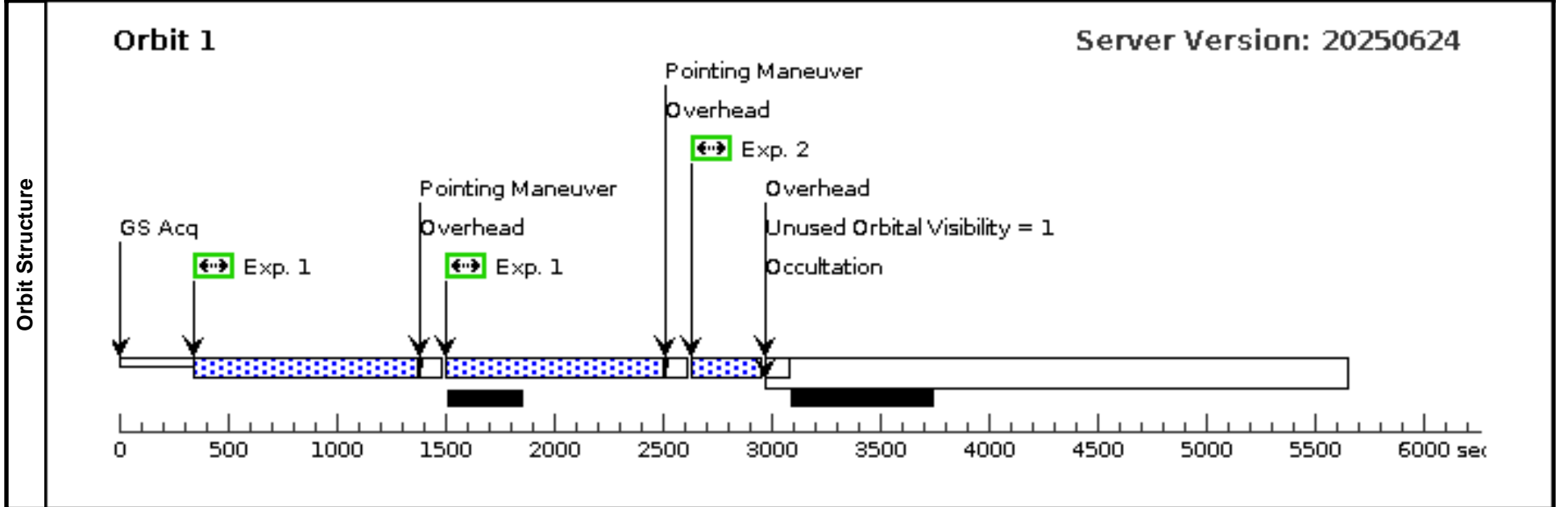


Visit	Proposal 17756, N4649_long_1orbit_5 (11), completed		
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: PCS MODE FINE; ORIENT -10D TO 10D FROM 07		

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.203 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1)

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(2)	NGC-4649	RA: 12 43 37.9035 (190.9079313d) Dec: +11 33 3.17 (11.55088d) Equinox: J2000		V=8.84	Reference Frame: ICRS
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[ELLIPTICAL]					

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F275W/2exp	(2) NGC-4649	WFC3/UVIS, ACCUM, UVIS	F275W	FLASH=14	POS TARG -0.0693, 0.0447; GS ACQ SCENARI O BASE103	Pattern 3, Exps 1-1 i n N4649_long_1orbi t_5 (11) (3)	1220 Secs (2000 Secs) [==>1000.0 Secs (Pattern 1)] [==>1000.0 Secs (Pattern 2)]	[1]
	<i>Comments: Diffuse light from galaxy will deliver at least 6 e- per pixel of background to mitigate CTI.</i>									
	2	F390W/300s	(2) NGC-4649	WFC3/UVIS, ACCUM, UVIS	F390W	FLASH=15	POS TARG 0.297,2.5877		300 Secs (300 Secs)	[==>]



Visit	Proposal 17756, N4649_long_1orbit_6 (27), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: PCS MODE FINE; ORIENT -10D TO 10D FROM 07									
	(N4649_long_1orbit_6 (27)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Diagnosics										
Patterns	#	Primary Pattern		Secondary Pattern	Exposures					
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.203 Line Spacing=			(1)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	NGC-4649	RA: 12 43 37.9035 (190.9079313d) Dec: +11 33 3.17 (11.55088d) Equinox: J2000 Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[ELLIPTICAL]		V=8.84	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F275W/2exp p	(2) NGC-4649	WFC3/UVIS, ACCUM, UVIS	F275W	FLASH=14	POS TARG 0.297,2.5088; GS ACQ SCENARI O BASE103	Pattern 3, Exps 1-1 in N4649_long_1orbit_6 (27) (3)	1220 Secs (2500 Secs) [=>1250.0 Secs (Pattern 1)] [=>1250.0 Secs (Pattern 2)]	[1]
Comments: Diffuse light from galaxy will deliver at least 6 e- per pixel of background to mitigate CTI.										
Orbit Structure	Server Version: 20250624									
	<p>Orbit 1</p> <p>GS Acq</p> <p>Exp. 1</p> <p>Pointing Maneuver Overhead</p> <p>Exp. 1</p> <p>Occultation Overhead</p> <p>ORBITAL VISIBILITY OVERRUN = 45</p> <p>0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec</p>									

Visit	Proposal 17756, N4649_long_1orbit_7 (28), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: PCS MODE FINE; ORIENT -10D TO 10D FROM 07									
	(N4649_long_1orbit_7 (28)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Diagnosics										
Patterns	#	Primary Pattern		Secondary Pattern	Exposures					
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.203 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(1)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	NGC-4649	RA: 12 43 37.9035 (190.9079313d) Dec: +11 33 3.17 (11.55088d) Equinox: J2000		V=8.84	Reference Frame: ICRS				
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[ELLIPTICAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F275W/2exp p	(2) NGC-4649	WFC3/UVIS, ACCUM, UVIS	F275W	FLASH=14	POS TARG 0.2097,2 .3644; GS ACQ SCENARI O BASE103	Pattern 3, Exps 1-1 in N4649_long_1orbit_7 (28) (3)	1250 Secs (2500 Secs) [=>(Pattern 1)] [=>(Pattern 2)]	[1]
Comments: Diffuse light from galaxy will deliver at least 6 e- per pixel of background to mitigate CTI.										
Orbit Structure	Server Version: 20250624									

Visit	Proposal 17756, N4649_long_1orbit_8 (29), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: PCS MODE FINE; ORIENT -10D TO 10D FROM 07									
	(N4649_long_1orbit_8 (29)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Diagnosics										
Patterns	#	Primary Pattern		Secondary Pattern	Exposures					
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.203 Line Spacing=			(1)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	NGC-4649	RA: 12 43 37.9035 (190.9079313d) Dec: +11 33 3.17 (11.55088d) Equinox: J2000 Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[ELLIPTICAL]		V=8.84	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F275W/2exp p	(2) NGC-4649	WFC3/UVIS, ACCUM, UVIS	F275W	FLASH=14	POS TARG 0.2997,2 .3804; GS ACQ SCENARI O BASE103	Pattern 3, Exps 1-1 in N4649_long_1orbit_8 (29) (3)	1250 Secs (2500 Secs) [=>(Pattern 1)] [=>(Pattern 2)]	[1]
Comments: Diffuse light from galaxy will deliver at least 6 e- per pixel of background to mitigate CTI.										
Orbit Structure	Server Version: 20250624									
	<p>Orbit 1</p> <p>GS Acq</p> <p>Exp. 1</p> <p>Overhead</p> <p>Pointing Maneuver</p> <p>Exp. 1</p> <p>Occultation</p> <p>ORBITAL VISIBILITY OVERRUN = 45</p> <p>Overhead</p> <p>0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec</p>									

Visit	Proposal 17756, N4649_long_1orbit_9 (30), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: PCS MODE FINE; ORIENT -10D TO 10D FROM 07									
	(N4649_long_1orbit_9 (30)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Diagnosics										
Patterns	#	Primary Pattern		Secondary Pattern	Exposures					
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.203 Line Spacing=			(1)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	NGC-4649	RA: 12 43 37.9035 (190.9079313d) Dec: +11 33 3.17 (11.55088d) Equinox: J2000 Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[ELLIPTICAL]		V=8.84	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F275W/2exp p	(2) NGC-4649	WFC3/UVIS, ACCUM, UVIS	F275W	FLASH=14	POS TARG 0.2097,2 .5323; GS ACQ SCENARI O BASE103	Pattern 3, Exps 1-1 in N4649_long_1orbit_9 (30) (3)	1250 Secs (2500 Secs) [=>(Pattern 1)] [=>(Pattern 2)]	[1]
Comments: Diffuse light from galaxy will deliver at least 6 e- per pixel of background to mitigate CTI.										
Orbit Structure	Server Version: 20250624 Orbit 1 Overhead Pointing Maneuver Occultation Overhead ***** ORBITAL VISIBILITY OVERRUN = 45									
	<p>The diagram shows a horizontal timeline from 0 to 6000 seconds. Key events are marked with arrows: 'GS Acq' at ~200s, 'Exp. 1' (green box) at ~400s, 'Pointing Maneuver' at ~1700s, another 'Exp. 1' (green box) at ~1800s, 'Occultation' at ~3000s, and 'Overhead' at ~3100s. A red vertical line marks the start of the occultation. A black bar below the timeline indicates the occultation period from ~3000s to ~3800s. A blue checkered bar above the timeline indicates the observation period from ~400s to ~5600s. A text label '***** ORBITAL VISIBILITY OVERRUN = 45' is positioned above the occultation bar.</p>									

Visit	Proposal 17756, N4649_long_1orbit_10 (31), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: PCS MODE FINE; ORIENT -10D TO 10D FROM 07
	(N4649_long_1orbit_10 (31)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

Diagnosics	(N4649_long_1orbit_10 (31)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN
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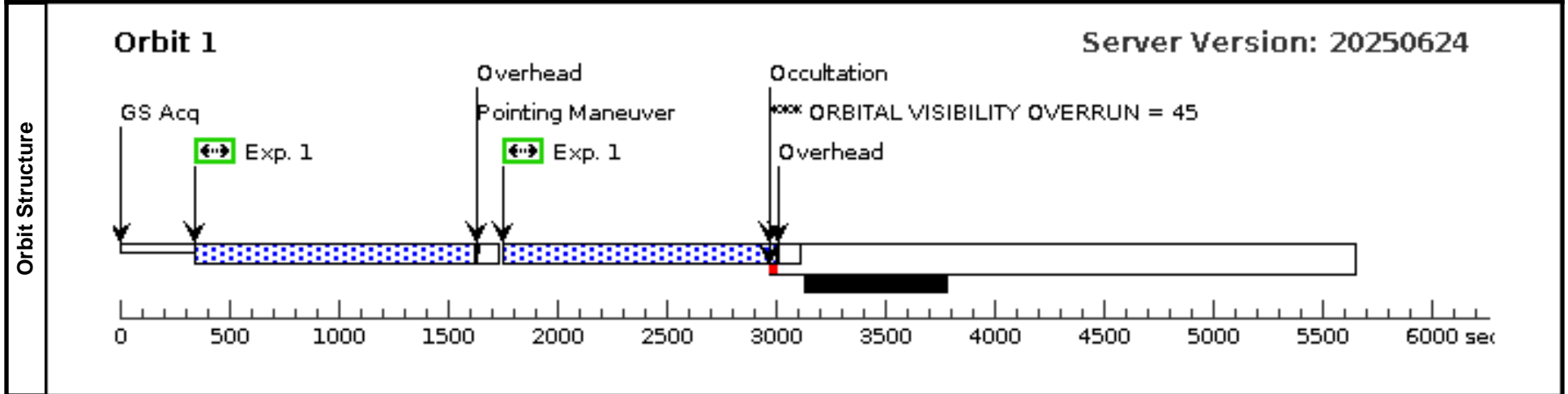
Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.203 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1)

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(2)	NGC-4649	RA: 12 43 37.9035 (190.9079313d) Dec: +11 33 3.17 (11.55088d) Equinox: J2000		V=8.84	Reference Frame: ICRS

*Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=GALAXY
Description=[ELLIPTICAL]*

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F275W/2exp p	(2) NGC-4649	WFC3/UVIS, ACCUM, UVIS	F275W	FLASH=14	POS TARG 0.2277,2 .3559; GS ACQ SCENARI O BASE103	Pattern 3, Exps 1-1 i n N4649_long_1orbi t_10 (31) (3)	1250 Secs (2500 Secs) [=>(Pattern 1)] [=>(Pattern 2)]	[1]

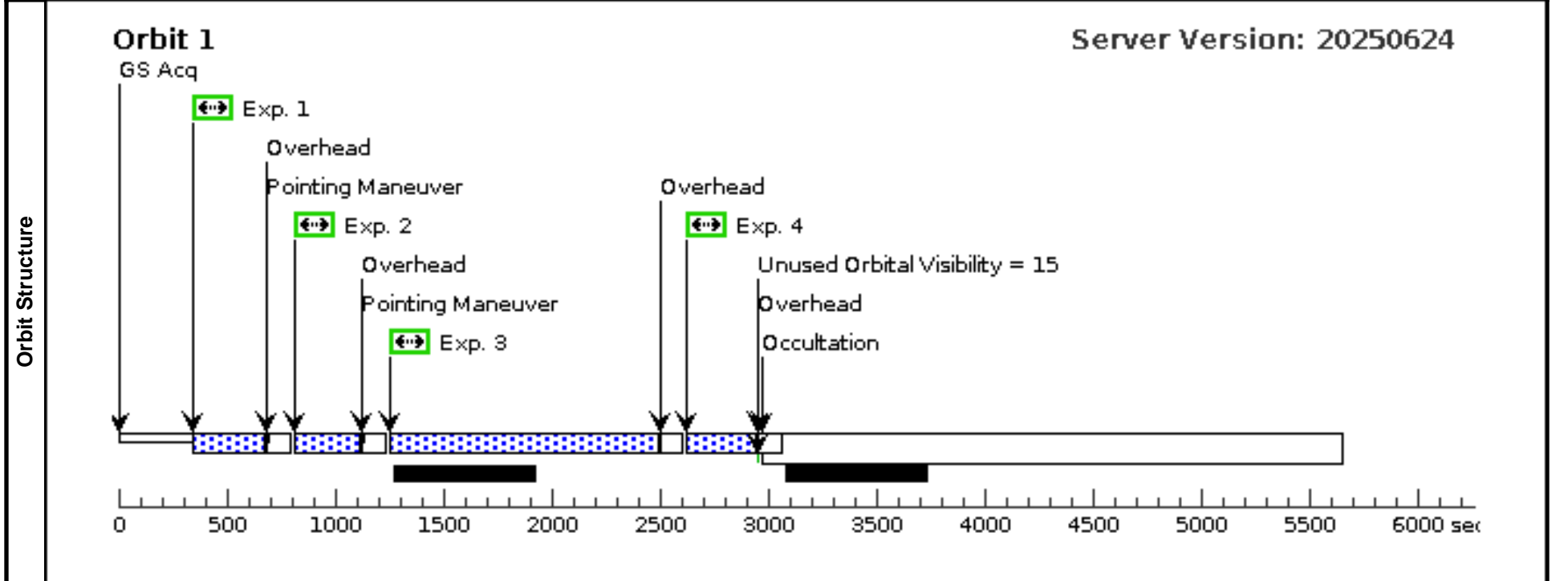
Comments: Diffuse light from galaxy will deliver at least 6 e- per pixel of background to mitigate CTI.



Visit	Proposal 17756, N4649_275_390 (12), completed				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: WFC3/UVIS				
	Special Requirements: PCS MODE FINE; ORIENT -10D TO 10D FROM 07				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(2)	NGC-4649	RA: 12 43 37.9035 (190.9079313d) Dec: +11 33 3.17 (11.55088d) Equinox: J2000		V=8.84	Reference Frame: ICRS
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>					
	Category=GALAXY Description=[ELLIPTICAL]					

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F390W/340s	(2) NGC-4649	WFC3/UVIS, ACCUM, UVIS	F390W	FLASH=15	GS ACQ SCENARI O BASE103		300 Secs (300 Secs) [==>]	[1]
	<i>Comments: Diffuse light from galaxy will deliver at least 6 e- per pixel of background to mitigate CTI.</i>									
	2	F390W/340s	(2) NGC-4649	WFC3/UVIS, ACCUM, UVIS	F390W	FLASH=15	POS TARG 0.1584,0 .070		300 Secs (300 Secs) [==>]	[1]
	<i>Comments: Diffuse light from galaxy will deliver at least 6 e- per pixel of background to mitigate CTI.</i>									
	3	F275W/122 0s	(2) NGC-4649	WFC3/UVIS, ACCUM, UVIS	F275W	FLASH=14	POS TARG 0.1386,2 .5177		1220 Secs (1220 Secs) [==>]	[1]
	4	F390W/340s	(2) NGC-4649	WFC3/UVIS, ACCUM, UVIS	F390W	FLASH=15	POS TARG 0.1386,2 .5177		300 Secs (300 Secs) [==>]	[1]



Proposal 17756 - N4649 long 1orbit 1 repeat (32) - Quantifying the Link Between the UV Upturn in Elliptical Galaxies and Multiple S...

Fri Sep 12 01:00:26 GMT 2025

Visit	Proposal 17756, N4649_long_1orbit_1_repeat (32), completed Diagnostic Status: Informational Scientific Instruments: WFC3/UVIS Special Requirements: PCS MODE FINE; ORIENT -30D TO 30D FROM 08; GROUP 32,28,29,30,31 WITHIN 45D									
	(N4649_long_1orbit_1_repeat (32)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.									
Diagnosics										
Patterns	#	Primary Pattern		Secondary Pattern	Exposures					
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.203 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(1)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(7)	NGC-4649-COPY	RA: 12 43 38.0412 (190.9085050d) Dec: +11 32 53.10 (11.54808d) Equinox: J2000		V=8.84	Reference Frame: ICRS				
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. RA/DEC was slightly updated to get best FOV match of repeat visit #32 with the other visits of NGC 4649 (8-12 and 27-31). Category=GALAXY Description=[ELLIPTICAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F275W/2ex p	(7) NGC-4649-COPY	WFC3/UVIS, ACCUM, UVIS	F275W	FLASH=14	GS ACQ SCENARI O BASE103	Pattern 3, Exps 1-1 in N4649_long_1orbit_1_repeat (32) (3)	1220 Secs (2440 Secs) [=>(Pattern 1)] [=>(Pattern 2)]	[1]
Comments: Diffuse light from galaxy will deliver at least 6 e- per pixel of background to mitigate CTI.										
Orbit Structure	Server Version: 20250624									

Visit	Proposal 17756, N1407_long_1orbit_1 (13), failed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: PCS MODE FINE; GROUP 13,14,15,16 WITHIN 30D									
	(N1407_long_1orbit_1 (13)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Diagnosics										
Patterns	#	Primary Pattern		Secondary Pattern	Exposures					
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.203 Line Spacing=			(1)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(6)	NGC-1407	RA: 03 40 11.9040 (55.0496000d) Dec: -18 34 49.36 (-18.58038d) Equinox: J2000		V=9.67	Reference Frame: ICRS				
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[ELLIPTICAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F275W/2exp p	(6) NGC-1407	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=14		Pattern 3, Exps 1-1 in N1407_long_1orbit_1 (13) (3)	1230 Secs (2504 Secs) [==>(Pattern 1)] [==>1274.0 Secs (Pattern 2)]	[1]
Comments: Diffuse light from galaxy will deliver at least 6 e- per pixel of background to mitigate CTI.										
Orbit Structure	Server Version: 20250624									
	<p>Orbit 1</p> <p>GS Acq</p> <p>Exp. 1</p> <p>Pointing Maneuver</p> <p>Overhead</p> <p>Exp. 1</p> <p>Occultation</p> <p>ORBITAL VISIBILITY OVERRUN = 47</p> <p>Overhead</p> <p>0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec</p>									

Proposal 17756 - N1407 long 1orbit 1 repeat (33) - Quantifying the Link Between the UV Upturn in Elliptical Galaxies and Multiple S...

Fri Sep 12 01:00:26 GMT 2025

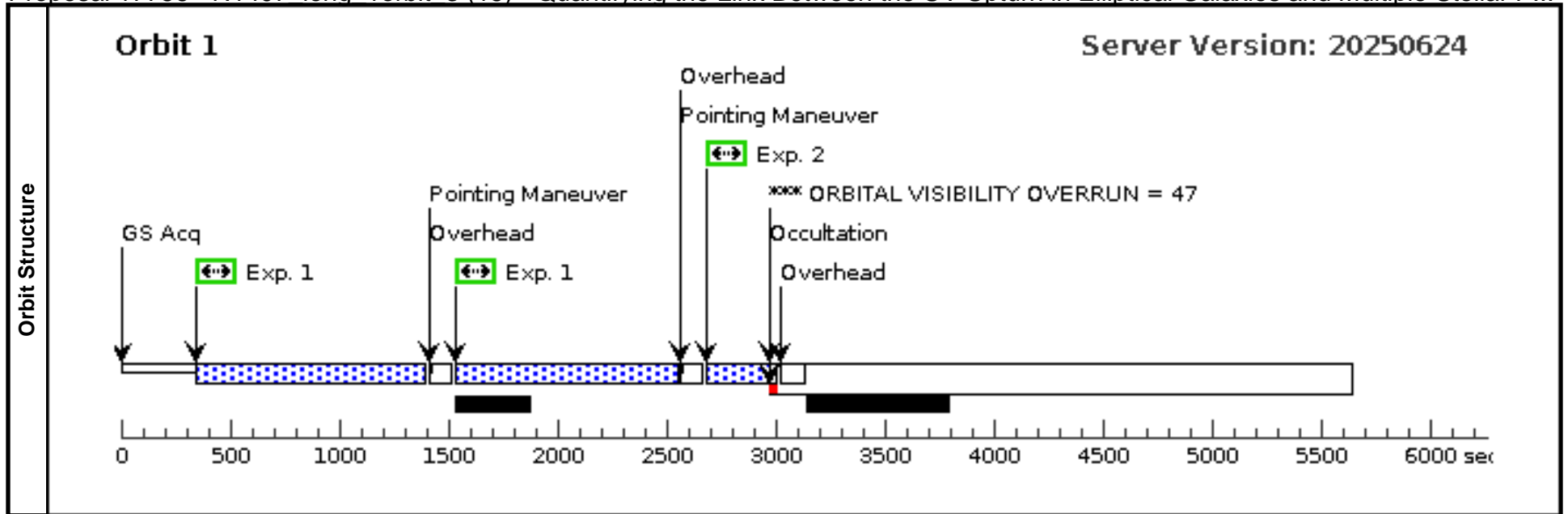
Visit	Proposal 17756, N1407_long_1orbit_1_repeat (33), scheduling Diagnostic Status: Informational Scientific Instruments: WFC3/UVIS Special Requirements: PCS MODE FINE; ORIENT -10D TO 10D FROM 14; GROUP 33,34 WITHIN 30D									
Diagnostics	(N1407_long_1orbit_1_repeat (33)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.									
Patterns	#	Primary Pattern	Secondary Pattern	Exposures						
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.203 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(6)	NGC-1407	RA: 03 40 11.9040 (55.0496000d) Dec: -18 34 49.36 (-18.58038d) Equinox: J2000		V=9.67	Reference Frame: ICRS				
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[ELLIPTICAL]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F275W/2exp	(6) NGC-1407	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=14	POS TARG 0.0,-2.0	Pattern 3, Exps 1-1 in N1407_long_1orbit_1_repeat (33) (3)	1230 Secs (2456 Secs) [=>1206.0 Secs (Pattern 1)] [=>1250.0 Secs (Pattern 2)]	[1]
	Comments: Diffuse light from galaxy will deliver at least 6 e- per pixel of background to mitigate CTI.									
Orbit Structure	<div style="display: flex; justify-content: space-between;"> <div> <h3>Orbit 1</h3> <p>The diagram shows a timeline from 0 to 6000 seconds. Key events include: GS Acq at ~200s, Exp. 1 (green box) at ~400s, Pointing Maneuver at ~1600s, another Exp. 1 (green box) at ~1800s, Overhead at ~2900s, Unused Orbital Visibility = 1 (black bar) from ~3000s to ~3700s, and Occultation at ~3000s. A blue checkered bar represents the observation period from ~400s to ~5500s.</p> </div> <div> <h3>Server Version: 20250624</h3> </div> </div>									

Visit	Proposal 17756, N1407_long_1orbit_2 (14), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: PCS MODE FINE; ORIENT -10D TO 10D FROM 13									
	(N1407_long_1orbit_2 (14)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Diagnosics										
Patterns	#	Primary Pattern		Secondary Pattern	Exposures					
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.203 Line Spacing=			(1)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(6)	NGC-1407	RA: 03 40 11.9040 (55.0496000d) Dec: -18 34 49.36 (-18.58038d) Equinox: J2000		V=9.67	Reference Frame: ICRS				
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[ELLIPTICAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F275W/2exp	(6) NGC-1407	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=14	POS TARG 0.099,0.08575	Pattern 3, Exps 1-1 in N1407_long_1orbit_2 (14) (3)	1230 Secs (2504 Secs) [=>(Pattern 1)] [=>1274.0 Secs (Pattern 2)]	[1]
Comments: Diffuse light from galaxy will deliver at least 6 e- per pixel of background to mitigate CTI.										
Orbit Structure	Server Version: 20250624									
	<p>Orbit 1</p> <p>Timeline labels: GS Acq, Exp. 1, Pointing Maneuver, Overhead, Occultation, Overhead. A red vertical line at 3000s is labeled 'ORBITAL VISIBILITY OVERRUN = 47'.</p> <p>X-axis: 0 to 6000 sec.</p>									

Proposal 17756 - N1407 long_1orbit_3 (15) - Quantifying the Link Between the UV Upturn in Elliptical Galaxies and Multiple Stellar P...

Fri Sep 12 01:00:26 GMT 2025

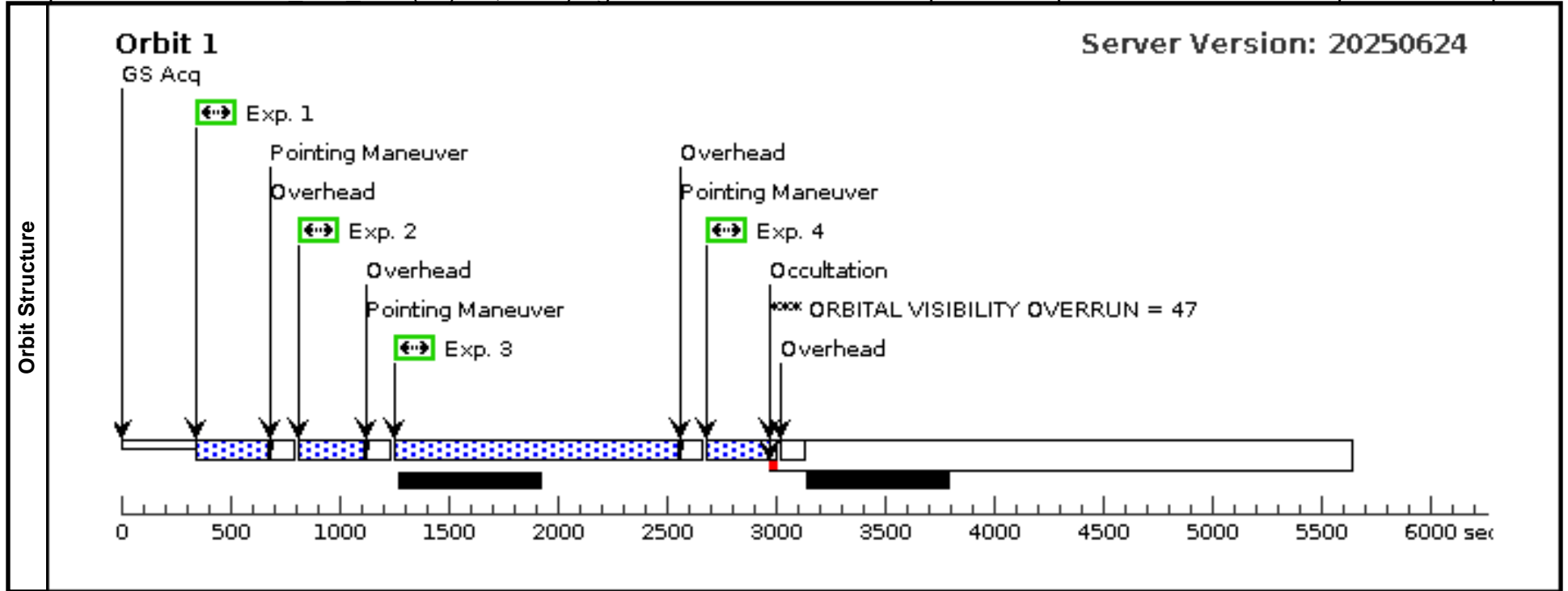
Visit	Proposal 17756, N1407_long_1orbit_3 (15), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: PCS MODE FINE; ORIENT -10D TO 10D FROM 13										
	(N1407_long_1orbit_3 (15)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Diagnosics											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(3)	Pattern Type=WFC3-UVIS-DITHER- LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.203 Line Spacing=								(1)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(6)	NGC-1407	RA: 03 40 11.9040 (55.0496000d) Dec: -18 34 49.36 (-18.58038d) Equinox: J2000				V=9.67		Reference Frame: ICRS		
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[ELLIPTICAL]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	F275W/2exp p	(6) NGC-1407	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=14	POS TARG 0.1188,2 .3188	Pattern 3, Exps 1-1 i n N1407_long_1orbi t_3 (15) (3)	1230 Secs (2050 Secs) [==>1025.0 Secs (Pattern 1)] [==>1025.0 Secs (Pattern 2)]		[1]
Comments: Diffuse light from galaxy will deliver at least 6 e- per pixel of background to mitigate CTI.											
2	F390W/300s	(6) NGC-1407	WFC3/UVIS, ACCUM, UVIS-CENTER	F390W	FLASH=15	POS TARG 0.2970,2 .5877		300 Secs (300 Secs) [==>]		[1]	



Proposal 17756 - N1407_275_390 (16) - Quantifying the Link Between the UV Upturn in Elliptical Galaxies and Multiple Stellar Popula...

Fri Sep 12 01:00:26 GMT 2025

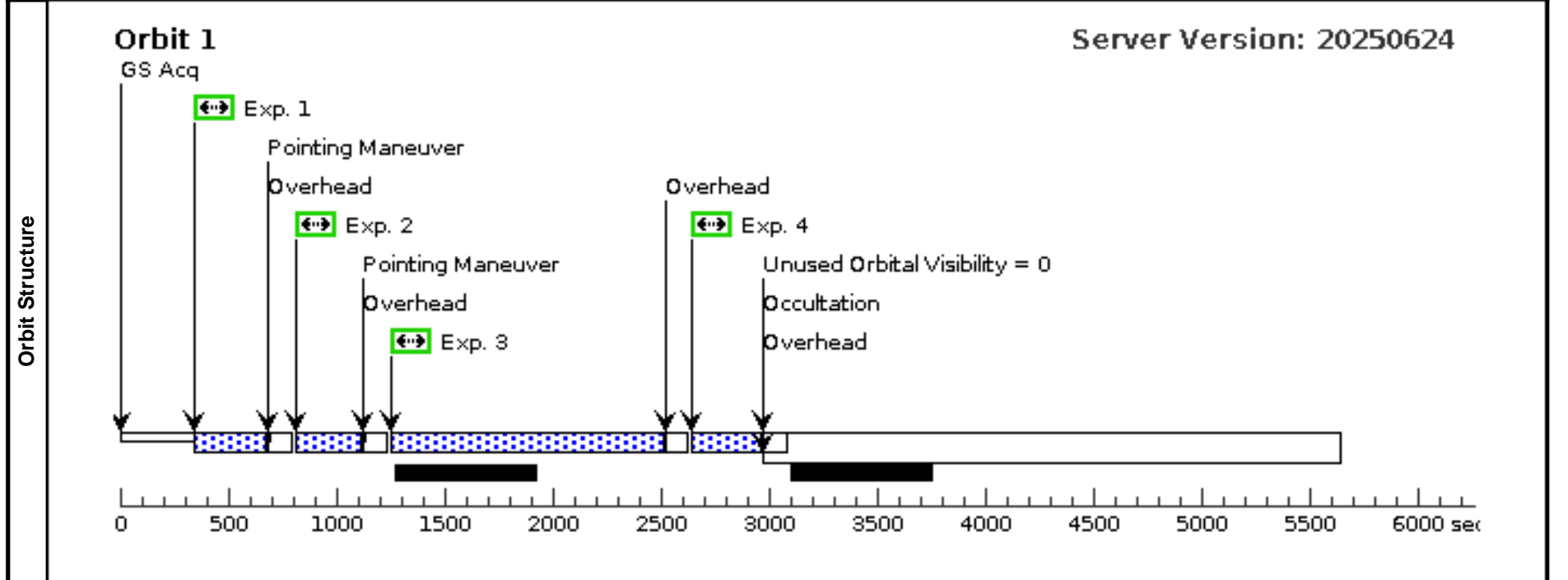
Visit	Proposal 17756, N1407_275_390 (16), failed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: PCS MODE FINE; ORIENT -10D TO 10D FROM 13										
	(N1407_275_390 (16)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Diagnosics											
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
	(6)	NGC-1407	RA: 03 40 11.9040 (55.0496000d) Dec: -18 34 49.36 (-18.58038d) Equinox: J2000		V=9.67	Reference Frame: ICRS					
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[ELLIPTICAL]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	F390W/300s (6)	NGC-1407	WFC3/UVIS, ACCUM, UVIS-CENTER	F390W	FLASH=15			300 Secs (300 Secs) [==>]	[1]	
	Comments: Diffuse light from galaxy will deliver at least 6 e- per pixel of background to mitigate CTI.										
	2	F390W/300s (6)	NGC-1407	WFC3/UVIS, ACCUM, UVIS-CENTER	F390W	FLASH=15	POS TARG 0.1584,0 .07			300 Secs (300 Secs) [==>]	[1]
	Comments: Diffuse light from galaxy will deliver at least 6 e- per pixel of background to mitigate CTI.										
3	F275W/118 0s	(6) NGC-1407	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=14	POS TARG 0.1386,2 .5177			1180 Secs (1284 Secs) [==>1284.0 Secs]	[1]	
4	F390W/300s (6)	NGC-1407	WFC3/UVIS, ACCUM, UVIS-CENTER	F390W	FLASH=15	POS TARG 0.185,0. 197			300 Secs (300 Secs) [==>]	[1]	



Visit	Proposal 17756, N1407_275_390_repeat (34), implementation				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: WFC3/UVIS				
	Special Requirements: PCS MODE FINE; SAME ORIENT AS 33				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(6)	NGC-1407	RA: 03 40 11.9040 (55.0496000d) Dec: -18 34 49.36 (-18.58038d) Equinox: J2000		V=9.67	Reference Frame: ICRS
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[ELLIPTICAL]</i>					

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F390W/300s (6)	NGC-1407	WFC3/UVIS, ACCUM, UVIS-CENTER	F390W	FLASH=15			300 Secs (300 Secs) [==>]	[1]
	<i>Comments: Diffuse light from galaxy will deliver at least 6 e- per pixel of background to mitigate CTI.</i>									
	2	F390W/300s (6)	NGC-1407	WFC3/UVIS, ACCUM, UVIS-CENTER	F390W	FLASH=15	POS TARG 0.1584,0 .07		300 Secs (300 Secs) [==>]	[1]
	<i>Comments: Diffuse light from galaxy will deliver at least 6 e- per pixel of background to mitigate CTI.</i>									
3	F275W/118 0s (6)	NGC-1407	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=14	POS TARG 0.1386,2 .5177		1180 Secs (1237 Secs) [==>1237.0 Secs]	[1]	
4	F390W/300s (6)	NGC-1407	WFC3/UVIS, ACCUM, UVIS-CENTER	F390W	FLASH=15	POS TARG 0.1386,2 .5177		300 Secs (300 Secs) [==>]	[1]	



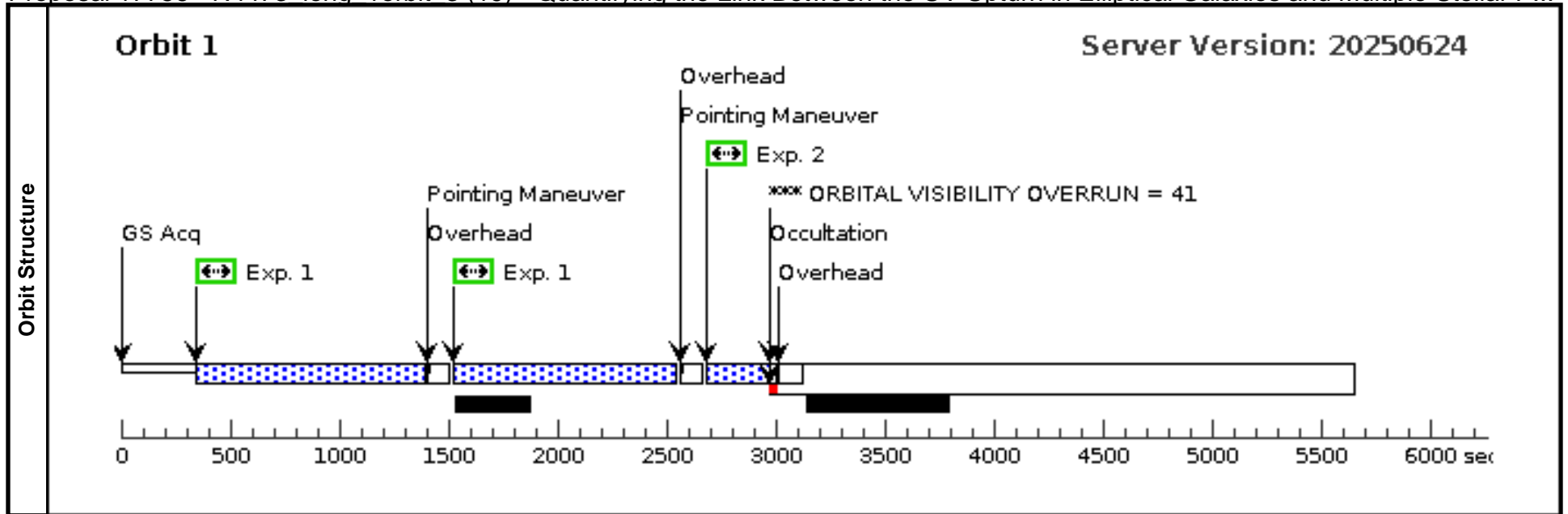
Visit	Proposal 17756, N4473_long_1orbit_1 (17), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: PCS MODE FINE; GROUP 17,18,19,20 WITHIN 30D									
	(N4473_long_1orbit_1 (17)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Diagnosics										
Patterns	#	Primary Pattern		Secondary Pattern	Exposures					
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.203 Line Spacing=			(1)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	NGC-4473	RA: 12 29 48.8780 (187.4536583d) Dec: +13 25 45.55 (13.42932d) Equinox: J2000 Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[ELLIPTICAL]		V=10.2	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F275W/2exp p	(3) NGC-4473	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=14		Pattern 3, Exps 1-1 i n N4473_long_1orbi t_1 (17) (3)	1230 Secs (2496 Secs) [==>1248.0 Secs (Pattern 1)] [==>1248.0 Secs (Pattern 2)]	[1]
Comments: Diffuse light from galaxy will deliver at least 6 e- per pixel of background to mitigate CTI.										
Orbit Structure	<div style="display: flex; justify-content: space-between;"> Orbit 1 Server Version: 20250624 </div> <p>The diagram shows a horizontal timeline from 0 to 6000 seconds. Key events are marked with arrows: GS Acq at ~100s, Exp. 1 (green box) at ~400s, Pointing Maneuver at ~1600s, Overhead at ~1700s, another Exp. 1 (green box) at ~1800s, Occultation (red vertical line) at ~3000s, and a final Overhead at ~3100s. A blue hatched bar spans from ~400s to ~3000s. A black bar is present from ~3100s to ~3800s. A text box above the occultation line reads 'ORBITAL VISIBILITY OVERRUN = 41'.</p>									

Visit	Proposal 17756, N4473_long_1orbit_2 (18), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: PCS MODE FINE; ORIENT -10D TO 10D FROM 17									
	(N4473_long_1orbit_2 (18)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Diagnosics										
Patterns	#	Primary Pattern		Secondary Pattern	Exposures					
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.203 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(1)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	NGC-4473	RA: 12 29 48.8780 (187.4536583d) Dec: +13 25 45.55 (13.42932d) Equinox: J2000		V=10.2	Reference Frame: ICRS				
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[ELLIPTICAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F275W/2exp p	(3) NGC-4473	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=14	POS TARG 0.099,0.08575	Pattern 3, Exps 1-1 in N4473_long_1orbit_2 (18) (3)	1230 Secs (2496 Secs) [=>1248.0 Secs (Pattern 1)] [=>1248.0 Secs (Pattern 2)]	[1]
Comments: Diffuse light from galaxy will deliver at least 6 e- per pixel of background to mitigate CTI.										
Orbit Structure	Server Version: 20250624									
	<p>Orbit 1</p> <p>Timeline labels: GS Acq, Exp. 1, Pointing Maneuver, Overhead, Occultation, Overhead.</p> <p>ORBITAL VISIBILITY OVERRUN = 41</p> <p>X-axis: 0 to 6000 sec</p>									

Proposal 17756 - N4473 long_1orbit_3 (19) - Quantifying the Link Between the UV Upturn in Elliptical Galaxies and Multiple Stellar P...

Fri Sep 12 01:00:26 GMT 2025

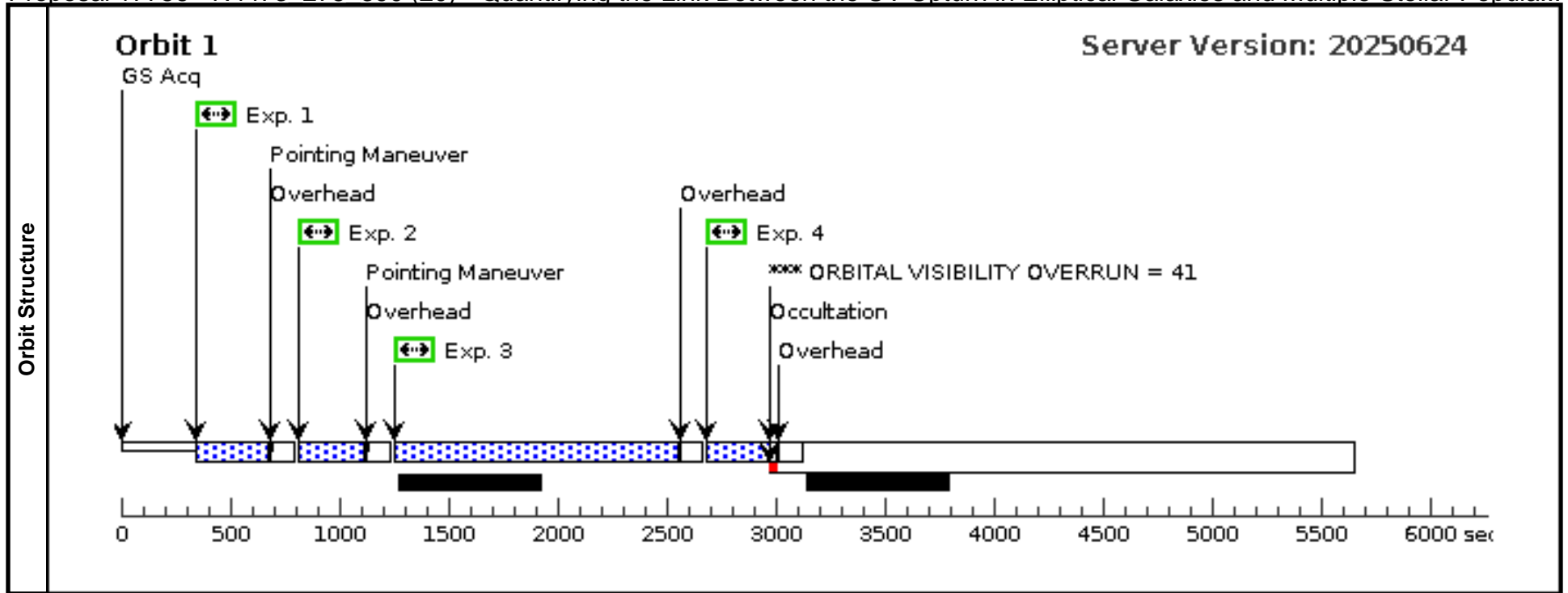
Visit	Proposal 17756, N4473_long_1orbit_3 (19), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: PCS MODE FINE; ORIENT -10D TO 10D FROM 17										
	(N4473_long_1orbit_3 (19)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Diagnosics											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(3)	Pattern Type=WFC3-UVIS-DITHER- LINE Coordinate Frame=POS-TARG Pattern Orientation=46.84 Purpose=DITHER Angle Between Sides= Number Of Points=2 Center Pattern=false Point Spacing=0.203 Line Spacing=								(1)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(3)	NGC-4473	RA: 12 29 48.8780 (187.4536583d) Dec: +13 25 45.55 (13.42932d) Equinox: J2000				V=10.2		Reference Frame: ICRS		
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[ELLIPTICAL]</i>											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	F275W/2exp	(3) NGC-4473	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=14	POS TARG 0.1188,2 .3188	Pattern 3, Exps 1-1 i n N4473_long_1orbi t_3 (19) (3)	1230 Secs (2042 Secs)		
										[==>1021.0 Secs (Pattern 1)]	[1]
<i>Comments: Diffuse light from galaxy will deliver at least 6 e- per pixel of background to mitigate CTI.</i>											
2	F390W/300s	(3) NGC-4473	WFC3/UVIS, ACCUM, UVIS-CENTER	F390W	FLASH=15	POS TARG 0.2970,2 .5877		300 Secs (300 Secs)			
									[==>]	[1]	



Proposal 17756 - N4473_275_390 (20) - Quantifying the Link Between the UV Upturn in Elliptical Galaxies and Multiple Stellar Popula...

Fri Sep 12 01:00:26 GMT 2025

Visit	Proposal 17756, N4473_275_390 (20), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: PCS MODE FINE; ORIENT -10D TO 10D FROM 17										
	(N4473_275_390 (20)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Diagnosics											
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
	(3)	NGC-4473	RA: 12 29 48.8780 (187.4536583d) Dec: +13 25 45.55 (13.42932d) Equinox: J2000		V=10.2	Reference Frame: ICRS					
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[ELLIPTICAL]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	F390W/300s (3)	NGC-4473	WFC3/UVIS, ACCUM, UVIS-CENTER	F390W	FLASH=15			300 Secs (300 Secs) [==>]	[1]	
	Comments: Diffuse light from galaxy will deliver at least 6 e- per pixel of background to mitigate CTI.										
	2	F390W/300s (3)	NGC-4473	WFC3/UVIS, ACCUM, UVIS-CENTER	F390W	FLASH=15	POS TARG 0.1584,0 .07			300 Secs (300 Secs) [==>]	[1]
	Comments: Diffuse light from galaxy will deliver at least 6 e- per pixel of background to mitigate CTI.										
3	F275W/118 0s (3)	NGC-4473	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=14	POS TARG 0.1386,2 .5177			1180 Secs (1276 Secs) [==>1276.0 Secs]	[1]	
4	F390W/300s (3)	NGC-4473	WFC3/UVIS, ACCUM, UVIS-CENTER	F390W	FLASH=15	POS TARG 0.1386,2 .5177			300 Secs (300 Secs) [==>]	[1]	

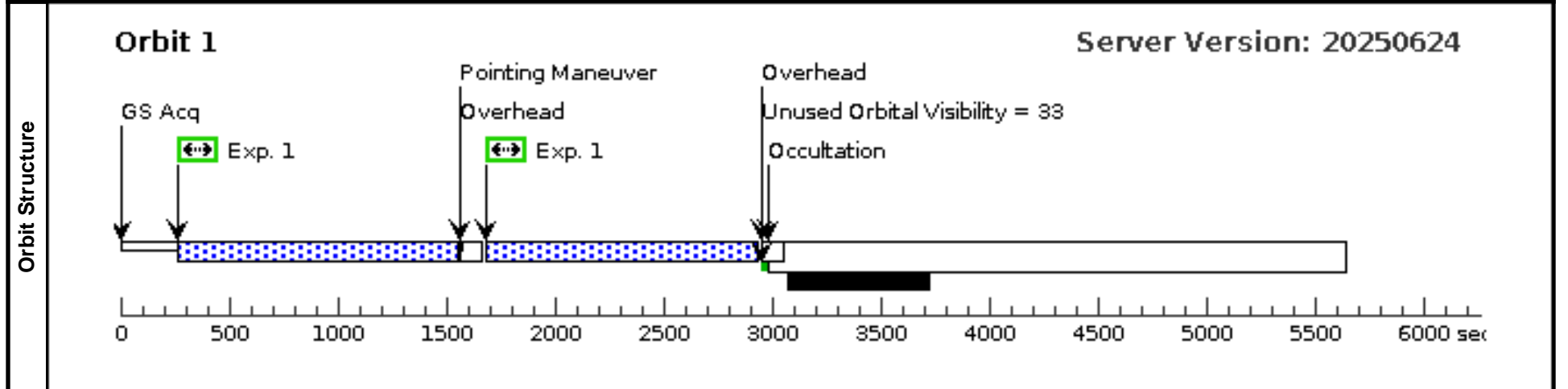


Visit	Proposal 17756, N1380_long_1orbit_1 (21), completed		
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: PCS MODE FINE; GROUP 21,22,23 WITHIN 30D		

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(3)	Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.203 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(1)

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(4)	NGC-1380	RA: 03 36 27.5900 (54.1149583d) Dec: -34 58 34.68 (-34.97630d) Equinox: J2000		V=9.93	Reference Frame: ICRS
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[LENTICULAR]					

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F275W/2ex p	(4) NGC-1380	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=14	GS ACQ SCENARI O SINGLE	Pattern 3, Exps 1-1 in N1380_long_1orbit_1 (21) (3)	1250 Secs (2514 Secs) [==>1257.0 Secs (Pattern 1)] [==>1257.0 Secs (Pattern 2)]	[1]
	<i>Comments: Diffuse light from galaxy will deliver at least 6 e- per pixel of background to mitigate CTI.</i>									

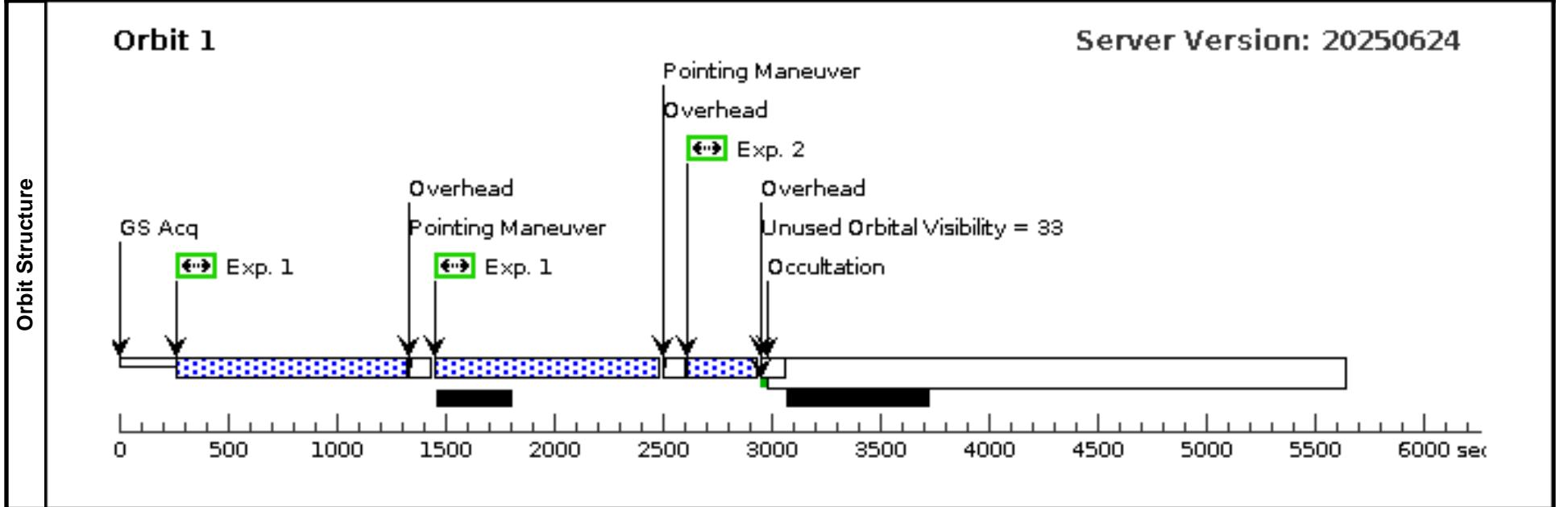


Visit	Proposal 17756, N1380_long_1orbit_2 (22), completed		
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: PCS MODE FINE; ORIENT -10D TO 10D FROM 21		

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(3)	Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.203 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(1)

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(4)	NGC-1380	RA: 03 36 27.5900 (54.1149583d) Dec: -34 58 34.68 (-34.97630d) Equinox: J2000		V=9.93	Reference Frame: ICRS
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[LENTICULAR]					

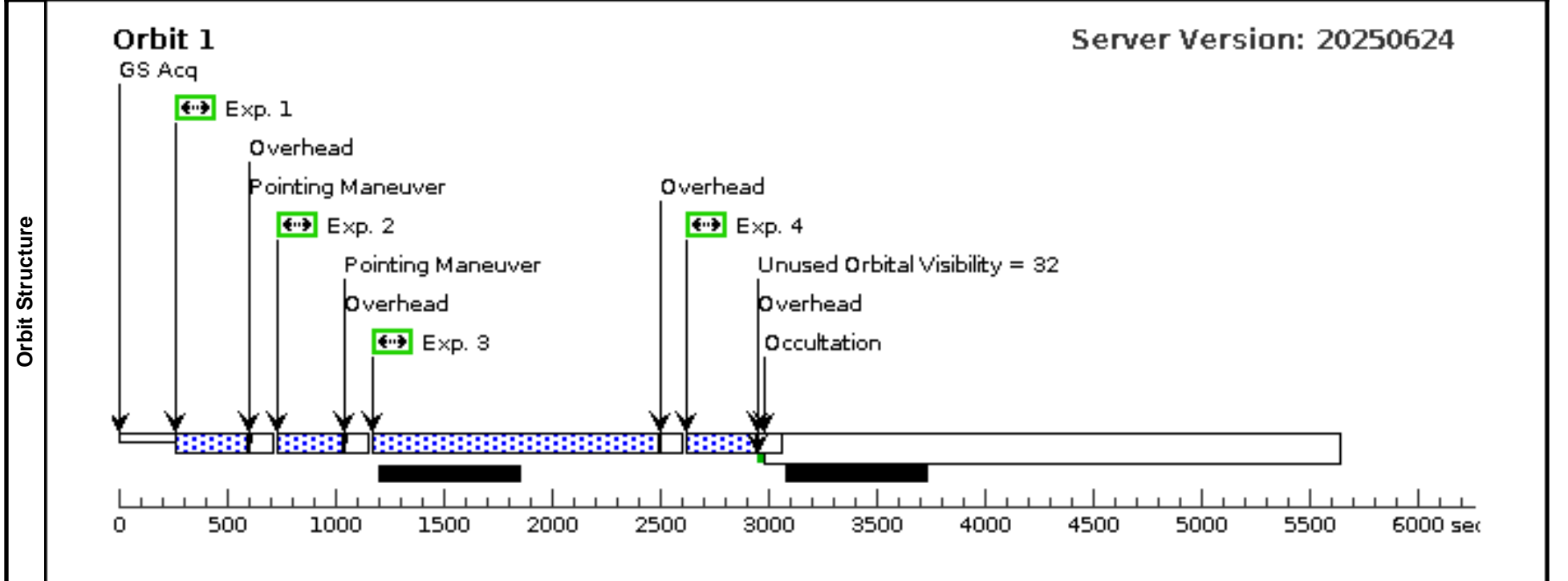
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F275W/2ex p	(4) NGC-1380	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=14	POS TARG 0.297,2.5088; GS ACQ SCENARI O SINGLE	Pattern 3, Exps 1-1 i n N1380_long_1orbi t_2 (22) (3)	1250 Secs (2060 Secs) [==>1030.0 Secs (Pattern 1)] [==>1030.0 Secs (Pattern 2)]	[1]
	<i>Comments: Diffuse light from galaxy will deliver at least 6 e- per pixel of background to mitigate CTI.</i>									
	2	F390W/300s	(4) NGC-1380	WFC3/UVIS, ACCUM, UVIS-CENTER	F390W	FLASH=15	POS TARG 0.2970,2.5877		300 Secs (300 Secs) [==>]	[1]



Visit	Proposal 17756, N1380_275_390 (23), completed				
	Diagnostic Status: No Diagnostics				
	Scientific Instruments: WFC3/UVIS				
	Special Requirements: PCS MODE FINE; ORIENT -10D TO 10D FROM 21				

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(4)	NGC-1380	RA: 03 36 27.5900 (54.1149583d) Dec: -34 58 34.68 (-34.97630d) Equinox: J2000		V=9.93	Reference Frame: ICRS
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>					
	Category=GALAXY Description=[LENTICULAR]					

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F390W/300s (4)	NGC-1380	WFC3/UVIS, ACCUM, UVIS-CENTER	F390W	FLASH=15	GS ACQ SCENARI O SINGLE		300 Secs (300 Secs) [==>]	[1]
	<i>Comments: Diffuse light from galaxy will deliver at least 6 e- per pixel of background to mitigate CTI.</i>									
	2	F390W/300s (4)	NGC-1380	WFC3/UVIS, ACCUM, UVIS-CENTER	F390W	FLASH=15	POS TARG 0.1584,0 .07		300 Secs (300 Secs) [==>]	[1]
	<i>Comments: Diffuse light from galaxy will deliver at least 6 e- per pixel of background to mitigate CTI.</i>									
	3	F275W/118 0s (4)	NGC-1380	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=14	POS TARG 0.1386,2 .5177		1180 Secs (1295 Secs) [==>1295.0 Secs]	[1]
	4	F390W/300s (4)	NGC-1380	WFC3/UVIS, ACCUM, UVIS-CENTER	F390W	FLASH=15	POS TARG 0.1386,2 .5177		300 Secs (300 Secs) [==>]	[1]

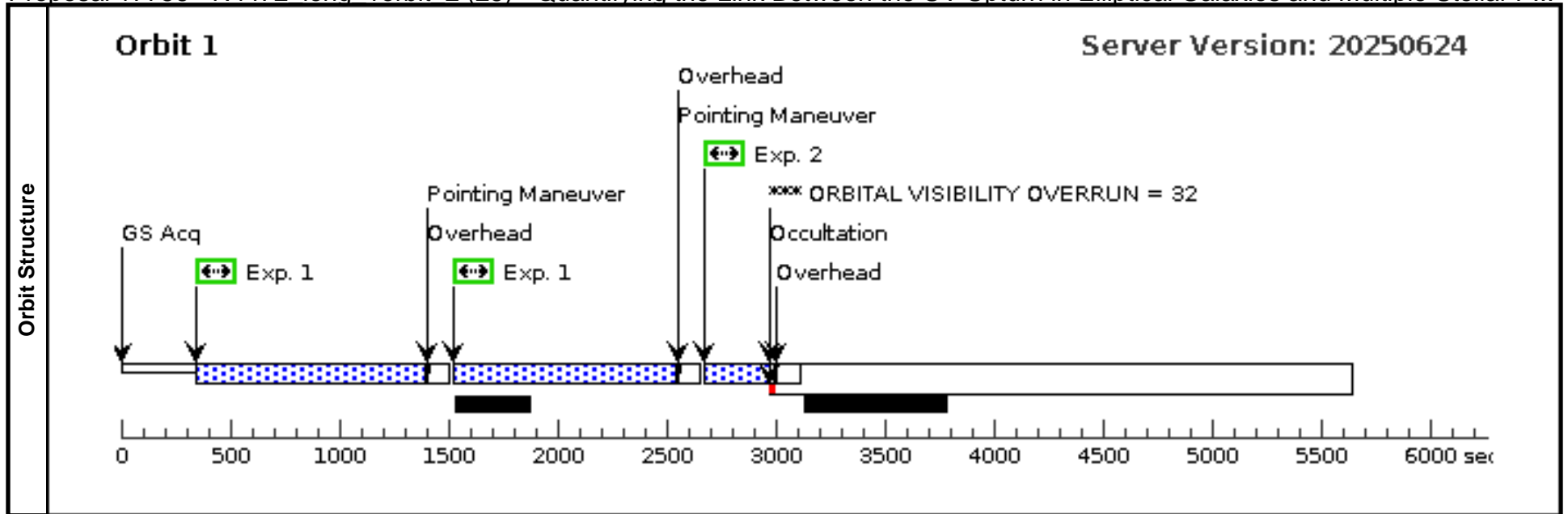


Visit	Proposal 17756, N4472_long_1orbit_1 (24), scheduling Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: PCS MODE FINE; GROUP 24,25,26 WITHIN 30D									
	(N4472_long_1orbit_1 (24)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Diagnosics										
Patterns	#	Primary Pattern		Secondary Pattern	Exposures					
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.203 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false			(1)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(5)	NGC-4472	RA: 12 29 46.7616 (187.4448400d) Dec: +08 00 1.73 (8.00048d) Equinox: J2000		V=8.41	Reference Frame: ICRS				
Comments: This object was generated by the targetselector and retrieved from the NED database. Category=GALAXY Description=[ELLIPTICAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F275W/2exp	(5) NGC-4472	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=14		Pattern 3, Exps 1-1 in N4472_long_1orbit_1 (24) (3)	1230 Secs (2490 Secs) [==>1245.0 Secs (Pattern 1)] [==>1245.0 Secs (Pattern 2)]	[1]
Comments: Diffuse light from galaxy will deliver at least 6 e- per pixel of background to mitigate CTI.										
Orbit Structure	<h3 style="text-align: center;">Orbit 1</h3> <div style="text-align: right;">Server Version: 20250624</div> <p>The diagram shows a timeline from 0 to 6000 seconds. Key events include: GS Acq at ~100s, Exp. 1 at ~400s, Pointing Maneuver at ~1600s, another Exp. 1 at ~1800s, Occultation starting at ~3000s, and a final Overhead at ~3100s. A red vertical line is at 3000s. A text box above the occultation says 'ORBITAL VISIBILITY OVERRUN = 32'.</p>									
	<p>ORBITAL VISIBILITY OVERRUN = 32</p>									

Proposal 17756 - N4472_long_1orbit_2 (25) - Quantifying the Link Between the UV Upturn in Elliptical Galaxies and Multiple Stellar P...

Fri Sep 12 01:00:26 GMT 2025

Visit	Proposal 17756, N4472_long_1orbit_2 (25), scheduling Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: PCS MODE FINE; ORIENT -10D TO 10D FROM 24										
	(N4472_long_1orbit_2 (25)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Diagnosics											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(3)	Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.203 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false				(1)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(5)	NGC-4472	RA: 12 29 46.7616 (187.4448400d) Dec: +08 00 1.73 (8.00048d) Equinox: J2000				V=8.41		Reference Frame: ICRS		
Comments: This object was generated by the targetselector and retrieved from the NED database. Category=GALAXY Description=[ELLIPTICAL]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	F275W/2exp	(5) NGC-4472	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=14	POS TARG 0.297,2. 5088	Pattern 3, Exps 1-1 i n N4472_long_1orbi t_2 (25) (3)	1230 Secs (2036 Secs)		
										[==>1018.0 Secs (Pattern 1)]	[1]
Comments: Diffuse light from galaxy will deliver at least 6 e- per pixel of background to mitigate CTI.											
2	F390W/300s	(5) NGC-4472	WFC3/UVIS, ACCUM, UVIS-CENTER	F390W	FLASH=15	POS TARG 0.2970,2 .5877		300 Secs (300 Secs)			
									[==>]	[1]	



Proposal 17756 - N4472_275_390 (26) - Quantifying the Link Between the UV Upturn in Elliptical Galaxies and Multiple Stellar Popula...

Fri Sep 12 01:00:26 GMT 2025

Visit	Proposal 17756, N4472_275_390 (26), scheduling Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: PCS MODE FINE; ORIENT -10D TO 10D FROM 24										
	(N4472_275_390 (26)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Diagnosics											
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
	(5)	NGC-4472	RA: 12 29 46.7616 (187.4448400d) Dec: +08 00 1.73 (8.00048d) Equinox: J2000		V=8.41	Reference Frame: ICRS					
Comments: This object was generated by the targetselector and retrieved from the NED database. Category=GALAXY Description=[ELLIPTICAL]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	F390W/300s (5)	NGC-4472	WFC3/UVIS, ACCUM, UVIS-CENTER	F390W	FLASH=15			300 Secs (300 Secs) [==>]	[1]	
	Comments: Diffuse light from galaxy will deliver at least 6 e- per pixel of background to mitigate CTI.										
	2	F390W/300s (5)	NGC-4472	WFC3/UVIS, ACCUM, UVIS-CENTER	F390W	FLASH=15	POS TARG 0.1584,0 .07			300 Secs (300 Secs) [==>]	[1]
	Comments: Diffuse light from galaxy will deliver at least 6 e- per pixel of background to mitigate CTI.										
3	F275W/118 0s	(5) NGC-4472	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=14	POS TARG 0.1386,2 .5177			1180 Secs (1271 Secs) [==>1271.0 Secs]	[1]	
4	F390W/300s (5)	NGC-4472	WFC3/UVIS, ACCUM, UVIS-CENTER	F390W	FLASH=15	POS TARG 0.1386,2 .5177			300 Secs (300 Secs) [==>]	[1]	

