



17423 - Towards an unbiased sample of sub-arcsec dual AGN with HST/STIS

Cycle: 31, Proposal Category: GO

(Availability Mode: SUPPORTED)

INVESTIGATORS

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Ms. Martina Scialpi (CoI) (ESA Member)	INAF - Istituto Nazionale di Astrofisica

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) J0041-0203 CCDFLAT	STIS/CCD	2	20-Aug-2024 16:01:10.0	yes
02	(2) J0151-0509 CCDFLAT	STIS/CCD	2	20-Aug-2024 16:01:11.0	yes

Proposal 17423 (STScI Edit Number: 2, Created: Tuesday, August 20, 2024 at 3:01:23 PM Eastern Standard Time) - Overview

Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
03	(3) J0300-0532 CCDFLAT	STIS/CCD	2	20-Aug-2024 16:01:12.0	yes
04	(4) J0732+3533 CCDFLAT	STIS/CCD	2	20-Aug-2024 16:01:12.0	yes
05	(5) J0755+2646 CCDFLAT	STIS/CCD	2	20-Aug-2024 16:01:13.0	yes
06	(6) J0835+2528 CCDFLAT	STIS/CCD	2	20-Aug-2024 16:01:14.0	yes
07	(7) J1335+0527 CCDFLAT	STIS/CCD	2	20-Aug-2024 16:01:15.0	yes
08	(8) J1201+5230 CCDFLAT	STIS/CCD	2	20-Aug-2024 16:01:16.0	yes
09	(9) J0907+1913 CCDFLAT	STIS/CCD	2	20-Aug-2024 16:01:16.0	yes
10	(10) J1440+6333 CCDFLAT	STIS/CCD	2	20-Aug-2024 16:01:17.0	yes
11	(11) J1456+5742 CCDFLAT	STIS/CCD	2	20-Aug-2024 16:01:18.0	yes
12	(12) J1609+5034 CCDFLAT	STIS/CCD	2	20-Aug-2024 16:01:19.0	yes
13	(13) J2117+0902 CCDFLAT	STIS/CCD	2	20-Aug-2024 16:01:20.0	yes
14	(14) J2245+3312 CCDFLAT	STIS/CCD	2	20-Aug-2024 16:01:21.0	yes
15	(15) J2257-6555 CCDFLAT	STIS/CCD	2	20-Aug-2024 16:01:21.0	yes
16	(16) J2309+0027 CCDFLAT	STIS/CCD	2	20-Aug-2024 16:01:22.0	yes
Z6	(16) J2309+0027 CCDFLAT	STIS/CCD	1	20-Aug-2024 16:01:23.0	yes

ABSTRACT

Hierarchical cosmological models predict the existence of dual active galactic nuclei (AGN) to in-spiral at the centre of the same host galaxy. They are the parent population of interacting supermassive black holes, which will eventually merge by emitting low-frequency gravitational waves. To date, only a handful of dual AGN (15) have been confirmed residing within the same host galaxy (separations < 7 kpc), preventing us to test fundamental predictions of galaxy formation and to conduct any statistical study on dual AGN properties (e.g. separation, black hole mass, luminosity ratio of the two AGN components). Hence, we propose to use HST/STIS to confirm the nature of an unprecedented unbiased sample of 16 multiple AGN, selected via the novel "GMP" technique based on Gaia observations. This method has proven to successfully select dual and lensed AGN at sub-arcsec separations. The proposed spectroscopic observations with HST/STIS will allow us: 1) to classify the targets as dual AGN or lensed systems, excluding cases of AGN/star pairs; 2) to collect a first large enough sample of confirmed dual AGN to conduct a statistical study on their key properties (e.g. separation, mass, luminosity ratio); 3) to confirm new strongly lensed AGN at sub-arcsec separations, the most compact regime ever probed, which will allow us to investigate the innermost region of the lens galaxy with future deep HST imaging.

OBSERVING DESCRIPTION

This program will target binary systems of two AGN of similar luminosity (within a factor of ~ 5) and a separation between $\sim 0.2''$ and $\sim 0.8''$, to unveil their real nature as intrinsic dual AGN or lensed systems.

We will obtain STIS/G750L spectra of both sources our targets consist of. We will place the 2" slit covering both components at a random position angle for most targets, since we do not know the relative position and joining direction of the two sources. For the two targets with known relative position of the two sources, we will place the 2" slit at a random position angle within a wide range which avoids slit orientations almost perpendicular to the joining direction of the two sources (i.e. we exclude slit orientations closer to the perpendicular direction of about ± 25 deg, depending on the sources separation). In doing so, we will effectively obtain "slitless" spectra, whose spectral resolution will be determined by the angular size of the target, expected to be spatially unresolved. We will use the E1 aperture position to reduce problems with CTE.

The fainter component could be as faint as $G=20.6$, therefore we have set the exposure time for acquisition to 60 sec, to have a reasonable S/N also on the secondary object, useful during data analysis to define the position of each target and derive the wavelength calibration of each spectrum.

Proposal 17423 (STScI Edit Number: 2, Created: Tuesday, August 20, 2024 at 3:01:23 PM Eastern Standard Time) - Overview

We will dedicate two orbits to each target, and use a 2-position STIS-ALONG-SLIT pattern with a 1.5" spacing. The image acquired over each orbit will be split into two or three subexposures, depending on the available time, to optimise the CR correction. In case of two exposures, the Texp will be ~1000 sec each in the first orbit, and ~1300 sec each in the second orbit; in case of three exposures, Texp will be ~700 sec and ~900 sec in the first and second orbits, respectively.

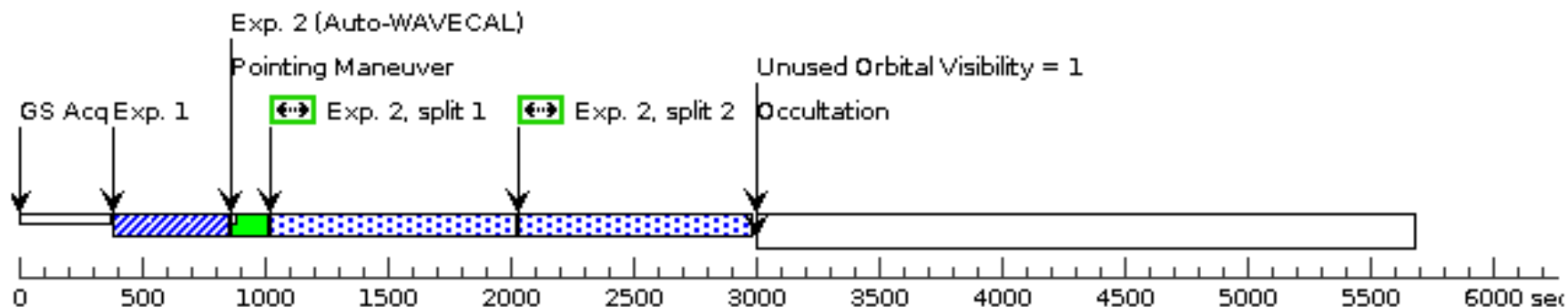
We will obtain contemporary flat fields using a 52X2 aperture, as suggested for the 2" slit.

Proposal 17423 - J0041-0203 (01) - Towards an unbiased sample of sub-arcsec dual AGN with HST/STIS

Visit	Proposal 17423, J0041-0203 (01), scheduling										Tue Aug 20 20:01:23 GMT 2024		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: STIS/CCD												
	Special Requirements: ORIENT 0D TO 44.32 D; ORIENT 94.32D TO 224.32 D; ORIENT 274.32D TO 359 D												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(2)	Pattern Type=STIS-ALONG-SLIT Purpose=DITHER Number Of Points=2 Point Spacing=0.25 Line Spacing=					Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=false					(2)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(1)	J0041-0203		RA: 00 41 27.4600 (10.3644167d) Dec: -02 03 32.36 (-2.05899d) Equinox: J2000 Comments: sep=0.64" G=20.52 PA=114.32 Category=GALAXY Description=[MULTIPLE NUCLEI, QSO] Extended=YES				V=19.18		Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	acq	(1) J0041-0203	STIS/CCD, ACQ, F28X50LP		MIRROR				60 Secs (60 Secs)			
										[==>]		[1]	
	2	J0041-0203 slit2	(1) J0041-0203	STIS/CCD, ACCUM, 52X2E1		G750L 7751 A			Pattern 2, Exps 2-2 in J0041-0203 (01) (2)	900 Secs (4174 Secs)			
										[==>918.0 Secs (Pattern 1, Split 1)]		[1]	
										[==>918.0 Secs (Pattern 1, Split 2)]			
										[==>1169.0 Secs (Pattern 2, Split 1)]			
										[==>1169.0 Secs (Pattern 2, Split 2)]		[2]	
	3	ccdflat	CCDFLAT	STIS/CCD, ACCUM, 52X2		G750L 7751 A				[==>(Copy 1)]			
										[==>(Copy 2)]		[2]	
4	ccdflat 52x0.1	CCDFLAT	STIS/CCD, ACCUM, 52X0.1		G750L 7751 A				[==>(Copy 1)]				
									[==>(Copy 2)]		[2]		

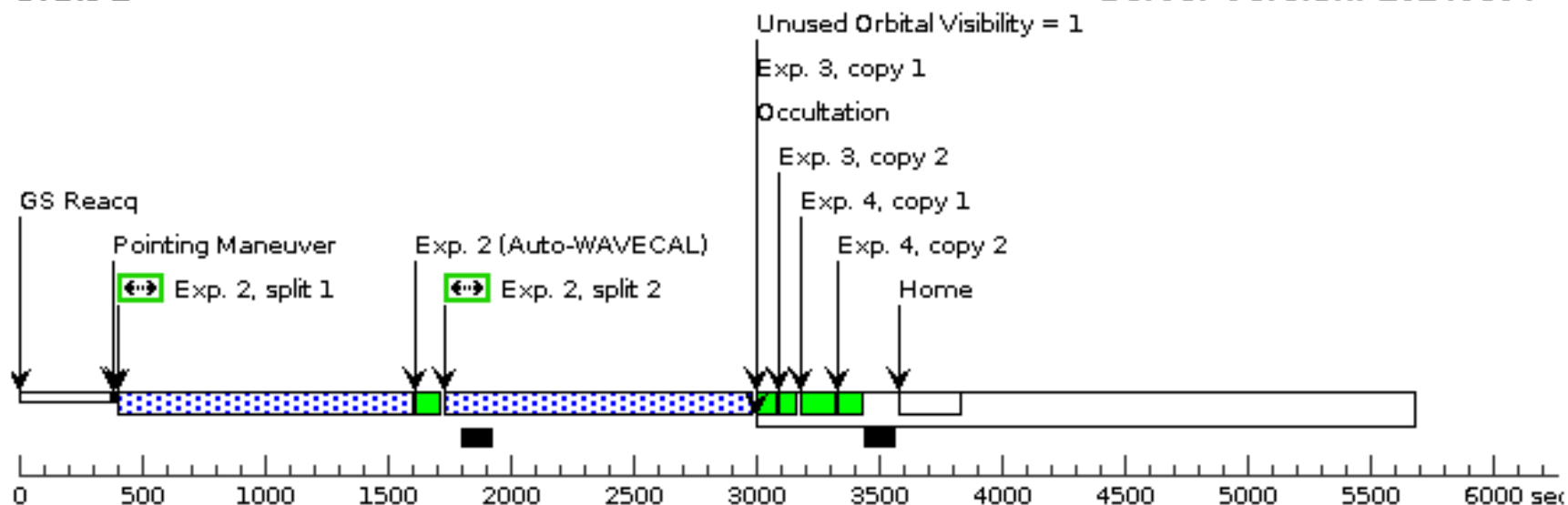
Orbit 1

Server Version: 20240604



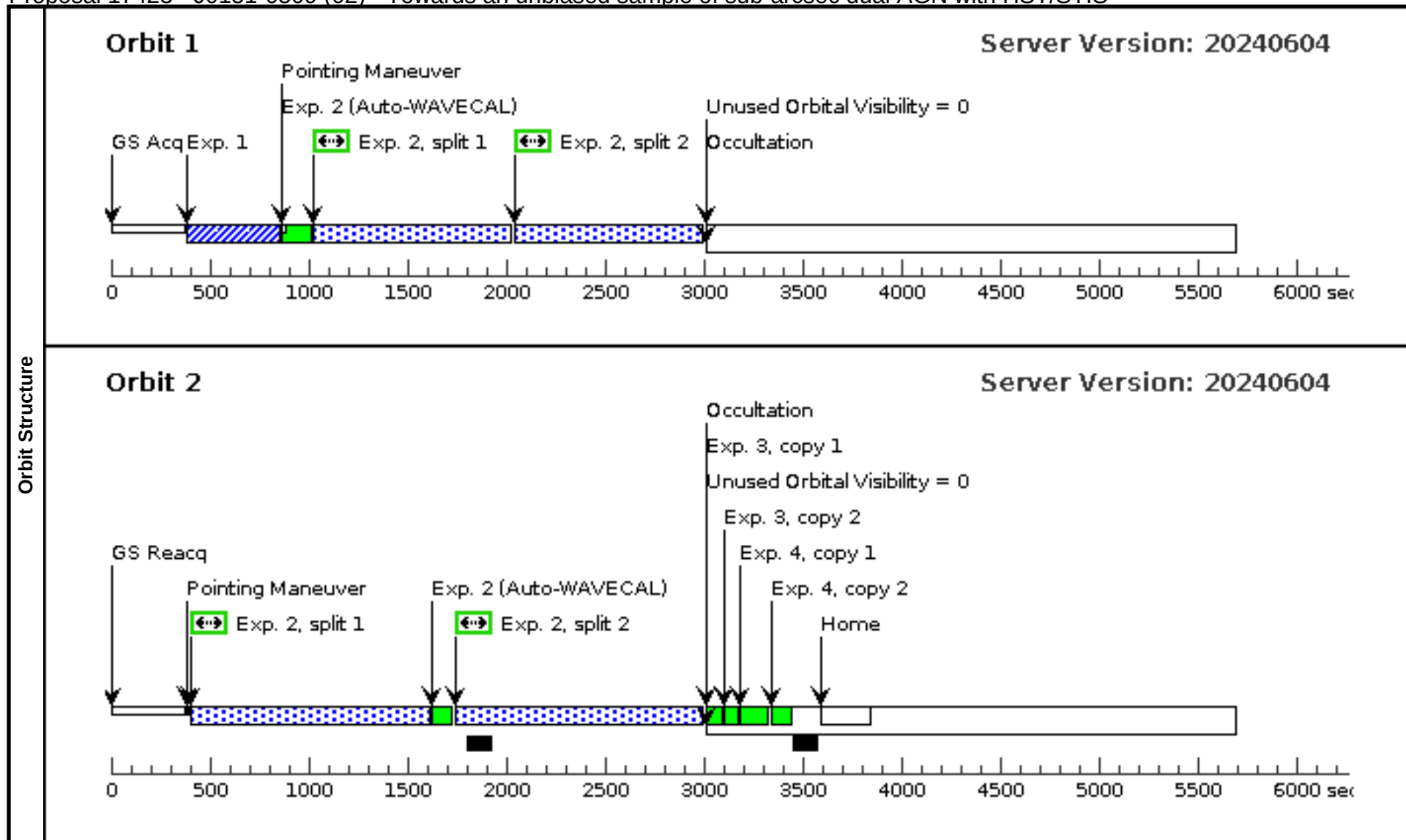
Orbit 2

Server Version: 20240604



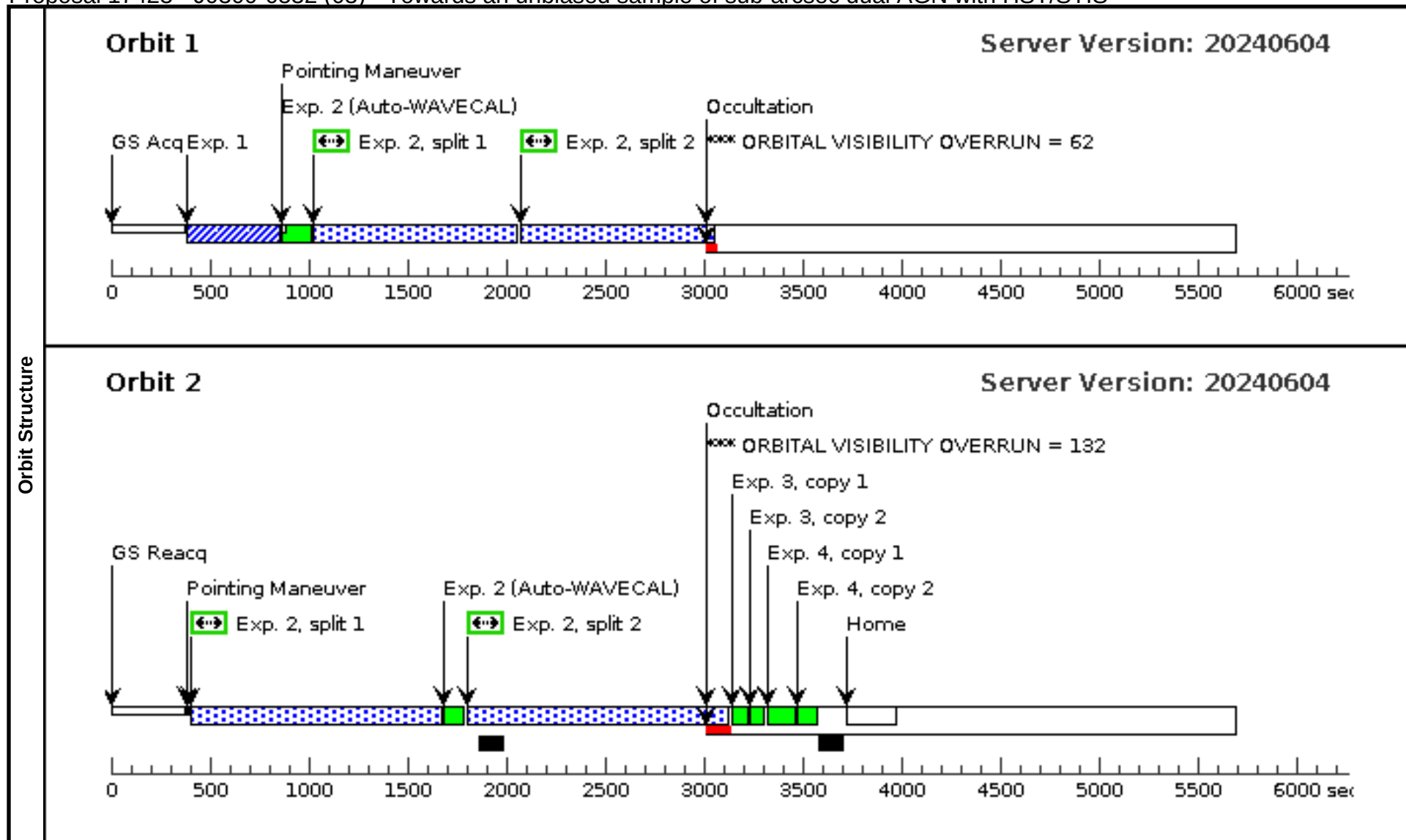
Proposal 17423 - J0151-0509 (02) - Towards an unbiased sample of sub-arcsec dual AGN with HST/STIS

Visit	Proposal 17423, J0151-0509 (02), completed										Tue Aug 20 20:01:23 GMT 2024		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: STIS/CCD												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(2)	Pattern Type=STIS-ALONG-SLIT Purpose=DITHER Number Of Points=2 Point Spacing=0.25 Line Spacing=					Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=false					(2)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(2)	J0151-0509		RA: 01 51 59.7300 (27.9988750d) Dec: -05 09 41.68 (-5.16158d) Equinox: J2000				V=20.41		Reference Frame: ICRS			
Comments: Category=GALAXY Description=[MULTIPLE NUCLEI, QSO] Extended=YES													
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	acq	(2) J0151-0509	STIS/CCD, ACQ, F28X50LP		MIRROR				60 Secs (60 Secs)			
										[==>]		[1]	
	2	J0151-0509 slit2	(2) J0151-0509	STIS/CCD, ACCUM, 52X2E1		G750L			Pattern 2, Exps 2-2 in J0151-0509 (02) (2)	900 Secs (4186 Secs)			
						7751 A				[==>921.0 Secs (Pattern 1, Split 1)]		[1]	
										[==>921.0 Secs (Pattern 1, Split 2)]			
										[==>1172.0 Secs (Pattern 2, Split 1)]		[2]	
										[==>1172.0 Secs (Pattern 2, Split 2)]			
	3	ccdflat	CCDFLAT	STIS/CCD, ACCUM, 52X2		G750L				[==>(Copy 1)]		[2]	
						7751 A				[==>(Copy 2)]			
4	ccdflat 52x0.1	CCDFLAT	STIS/CCD, ACCUM, 52X0.1		G750L				[==>(Copy 1)]		[2]		
					7751 A				[==>(Copy 2)]				



Proposal 17423 - J0300-0532 (03) - Towards an unbiased sample of sub-arcsec dual AGN with HST/STIS

Visit	Proposal 17423, J0300-0532 (03), completed										Tue Aug 20 20:01:23 GMT 2024		
	Diagnostic Status: Warning												
	Scientific Instruments: STIS/CCD												
	Special Requirements: (none)												
Diagnostics	(J0300-0532 (03)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN												
	(J0300-0532 (03)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=STIS-ALONG-SLIT Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=90.0 Number Of Points=2 Angle Between Sides= Point Spacing=1.0156 Center Pattern=false Line Spacing=										(2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous				
	(3)	J0300-0532	RA: 03 00 12.2700 (45.0511250d) Dec: -05 32 33.69 (-5.54269d) Equinox: J2000				V=19.98		Reference Frame: ICRS				
Comments: Category=GALAXY Description=[MULTIPLE NUCLEI, QSO] Extended=YES													
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit		
	1	acq	(3) J0300-0532	STIS/CCD, ACQ, F28X50LP	MIRROR				60 Secs (60 Secs)				
									[==>]		[1]		
	2	J0300-0532 slit2	(3) J0300-0532	STIS/CCD, ACCUM, 52X2E1	G750L 7751 A	CR-SPLIT=2		Pattern 1, Exps 2-2 in J0300-0532 (03) (1)	900 Secs (4380 Secs)				
									[==>952.0 Secs (Pattern 1, Split 1)]		[1]		
									[==>952.0 Secs (Pattern 1, Split 2)]				
									[==>1238.0 Secs (Pattern 2, Split 1)]		[2]		
									[==>1238.0 Secs (Pattern 2, Split 2)]				
	3	ccdflat	CCDFLAT	STIS/CCD, ACCUM, 52X2	G750L 7751 A				[==>(Copy 1)]		[2]		
									[==>(Copy 2)]				
4	ccdflat 52x0.1	CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)]		[2]			
								[==>(Copy 2)]					

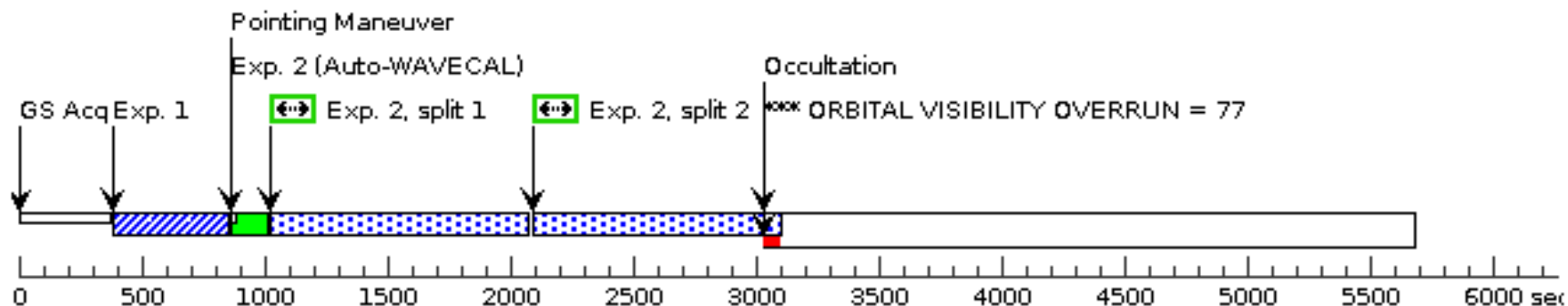


Proposal 17423 - J0732+3533 (04) - Towards an unbiased sample of sub-arcsec dual AGN with HST/STIS

Visit	Proposal 17423, J0732+3533 (04), completed										Tue Aug 20 20:01:23 GMT 2024		
	Diagnostic Status: Warning												
	Scientific Instruments: STIS/CCD												
	Special Requirements: ORIENT 3D TO 123 D; ORIENT 183D TO 303 D												
Diagnostics	(J0732+3533 (04)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN												
	(J0732+3533 (04)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=STIS-ALONG-SLIT Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=90.0 Number Of Points=2 Angle Between Sides= Point Spacing=1.0156 Center Pattern=false Line Spacing=										(2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous				
	(4)	J0732+3533	RA: 07 32 51.5700 (113.2148750d) Dec: +35 33 15.35 (35.55426d) Equinox: J2000				V=20.31		Reference Frame: ICRS				
Comments: Category=GALAXY Description=[MULTIPLE NUCLEI, QSO] Extended=YES													
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit		
	1	acq	(4) J0732+3533	STIS/CCD, ACQ, F28X50LP	MIRROR				60 Secs (60 Secs)				
									[==>]		[1]		
	2	J0732+3533 slit2	(4) J0732+3533	STIS/CCD, ACCUM, 52X2E1	G750L 7751 A	CR-SPLIT=2		Pattern 1, Exps 2-2 in J0732+3533 (04) (1)	900 Secs (4469 Secs)				
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									[==>974.0 Secs (Pattern 1, Split 2)]				
									[==>1283.0 Secs (Pattern 2, Split 1)]		[2]		
									[==>1238.0 Secs (Pattern 2, Split 2)]				
	3	ccdflat	CCDFLAT	STIS/CCD, ACCUM, 52X2	G750L 7751 A				[==>(Copy 1)]		[2]		
									[==>(Copy 2)]				
4	ccdflat 52x0.1	CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)]		[2]			
								[==>(Copy 2)]					

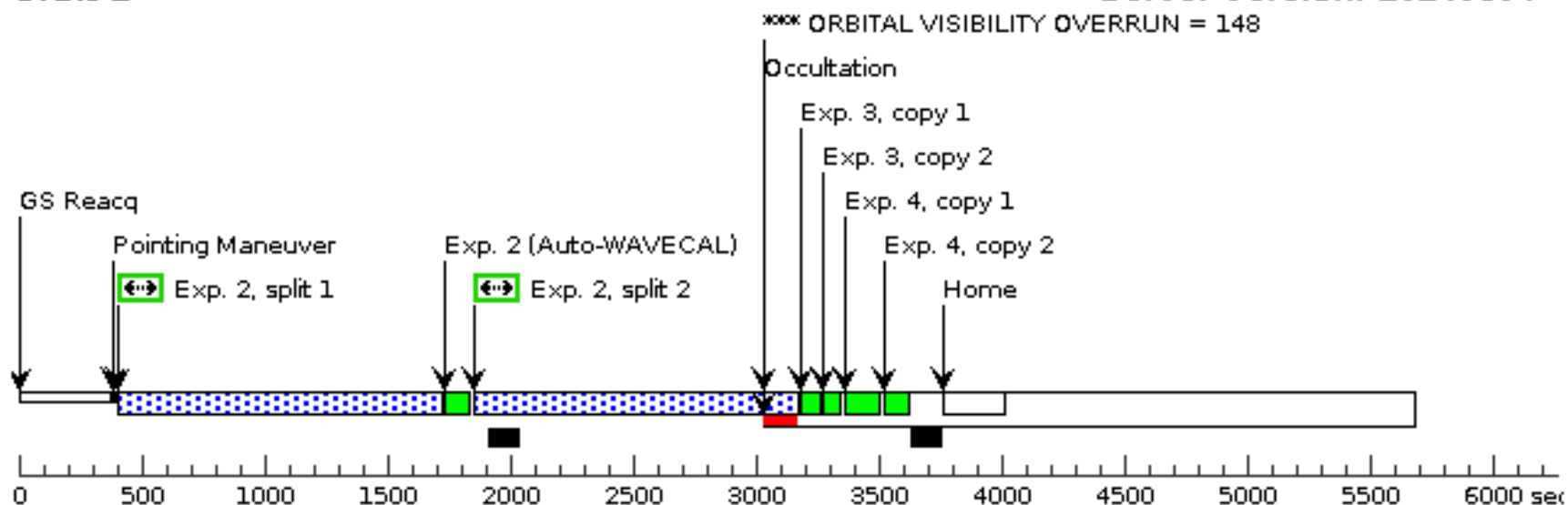
Orbit 1

Server Version: 20240604



Orbit 2

Server Version: 20240604

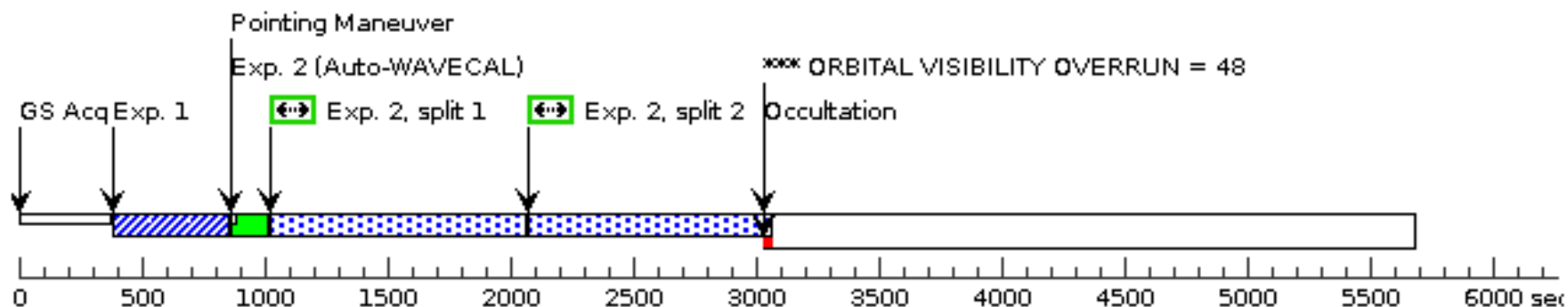


Proposal 17423 - J0755+2646 (05) - Towards an unbiased sample of sub-arcsec dual AGN with HST/STIS

Visit	Proposal 17423, J0755+2646 (05), completed										Tue Aug 20 20:01:23 GMT 2024		
	Diagnostic Status: Warning												
	Scientific Instruments: STIS/CCD												
	Special Requirements: (none)												
Diagnostics	(J0755+2646 (05)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN												
	(J0755+2646 (05)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=STIS-ALONG-SLIT Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=90.0 Number Of Points=2 Angle Between Sides= Point Spacing=1.0156 Center Pattern=false Line Spacing=										(2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous				
	(5)	J0755+2646	RA: 07 55 2.6800 (118.7611667d) Dec: +26 46 12.43 (26.77012d) Equinox: J2000				V=18.67		Reference Frame: ICRS				
Comments: Category=GALAXY Description=[MULTIPLE NUCLEI, QSO] Extended=YES													
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	acq	(5) J0755+2646	STIS/CCD, ACQ, F28X50LP		MIRROR				60 Secs (60 Secs)			
										[==>]		[1]	
	2	J0755+2646 slit2	(5) J0755+2646	STIS/CCD, ACCUM, 52X2E1		G750L 7751 A	CR-SPLIT=2		Pattern 1, Exps 2-2 in J0755+2646 (05) (1)	900 Secs (4398 Secs)			
										[==>956.0 Secs (Pattern 1, Split 1)]		[1]	
										[==>956.0 Secs (Pattern 1, Split 2)]			
										[==>1243.0 Secs (Pattern 2, Split 1)]		[2]	
										[==>1243.0 Secs (Pattern 2, Split 2)]			
	3	ccdflat	CCDFLAT	STIS/CCD, ACCUM, 52X2		G750L 7751 A				[==>(Copy 1)]		[2]	
										[==>(Copy 2)]			
4	ccdflat 52x0.1	CCDFLAT	STIS/CCD, ACCUM, 52X0.1		G750L 7751 A				[==>(Copy 1)]		[2]		
									[==>(Copy 2)]				

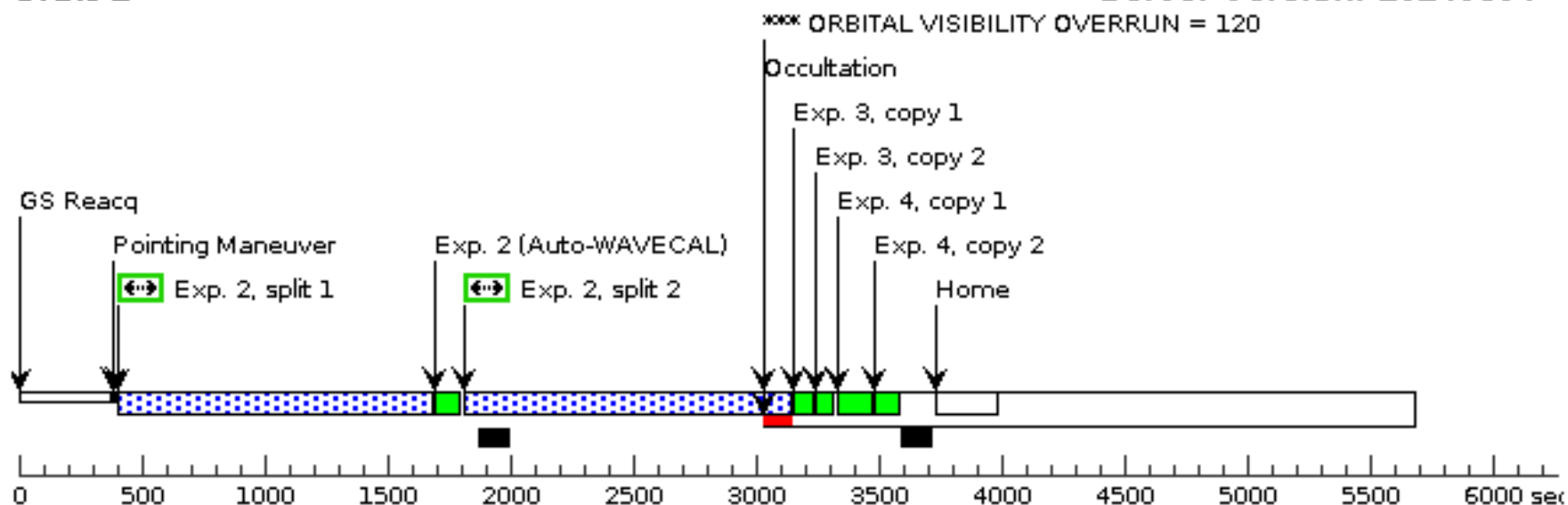
Orbit 1

Server Version: 20240604



Orbit 2

Server Version: 20240604

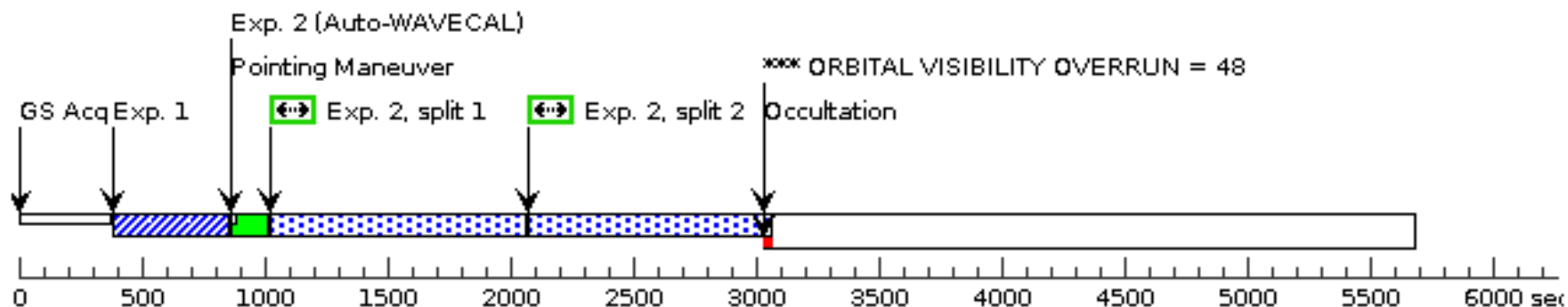


Proposal 17423 - J0835+2528 (06) - Towards an unbiased sample of sub-arcsec dual AGN with HST/STIS

Visit	Proposal 17423, J0835+2528 (06), completed										Tue Aug 20 20:01:24 GMT 2024		
	Diagnostic Status: Warning												
	Scientific Instruments: STIS/CCD												
	Special Requirements: (none)												
Diagnostics	(J0835+2528 (06)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN												
	(J0835+2528 (06)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=STIS-ALONG-SLIT Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=90.0 Number Of Points=2 Angle Between Sides= Point Spacing=1.0156 Center Pattern=false Line Spacing=										(2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous				
	(6)	J0835+2528	RA: 08 35 31.0700 (128.8794583d) Dec: +25 28 8.84 (25.46912d) Equinox: J2000				V=19.69		Reference Frame: ICRS				
Comments: Category=GALAXY Description=[MULTIPLE NUCLEI, QSO] Extended=YES													
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit		
	1	acq	(6) J0835+2528	STIS/CCD, ACQ, F28X50LP	MIRROR				60 Secs (60 Secs)				
									[==>]		[1]		
	2	J0835+2528 slit2	(6) J0835+2528	STIS/CCD, ACCUM, 52X2E1	G750L 7751 A	CR-SPLIT=2		Pattern 1, Exps 2-2 in J0835+2528 (06) (1)	900 Secs (4398 Secs)				
									[==>956.0 Secs (Pattern 1, Split 1)]		[1]		
									[==>956.0 Secs (Pattern 1, Split 2)]				
									[==>1243.0 Secs (Pattern 2, Split 1)]		[2]		
									[==>1243.0 Secs (Pattern 2, Split 2)]				
3	ccdflat	CCDFLAT	STIS/CCD, ACCUM, 52X2	G750L 7751 A				[==>(Copy 1)]		[2]			
								[==>(Copy 2)]					
4	ccdflat 52x0.1	CCDFLAT	STIS/CCD, ACCUM, 52X0.1	G750L 7751 A				[==>(Copy 1)]		[2]			
								[==>(Copy 2)]					

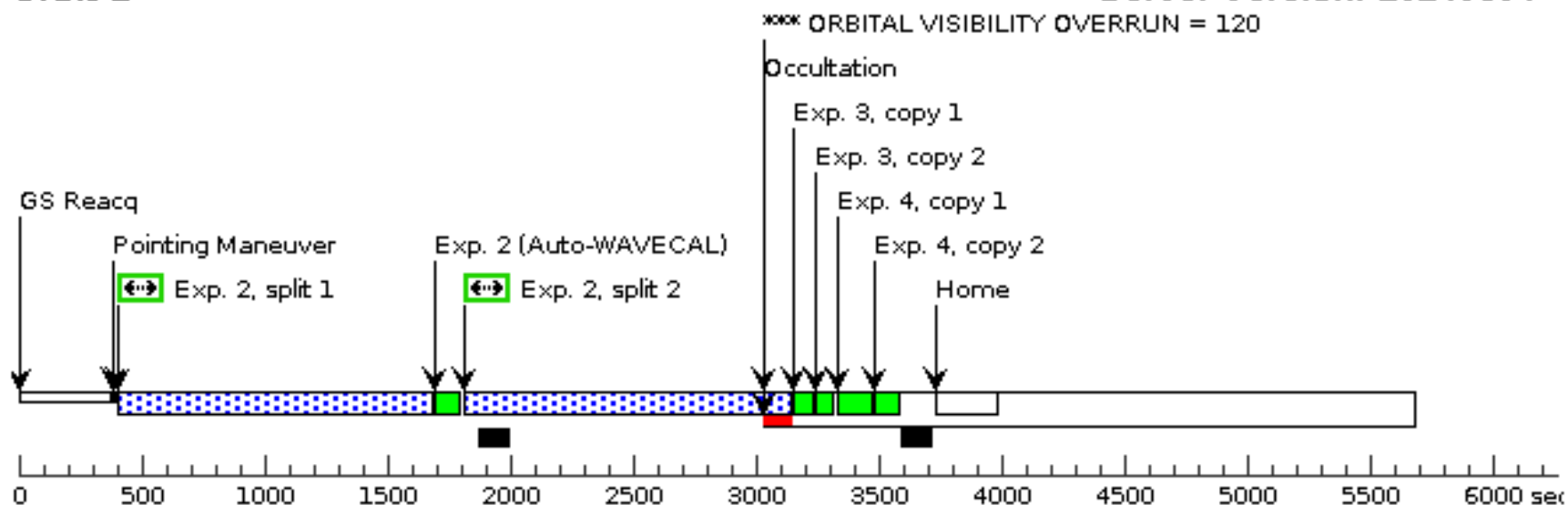
Orbit 1

Server Version: 20240604



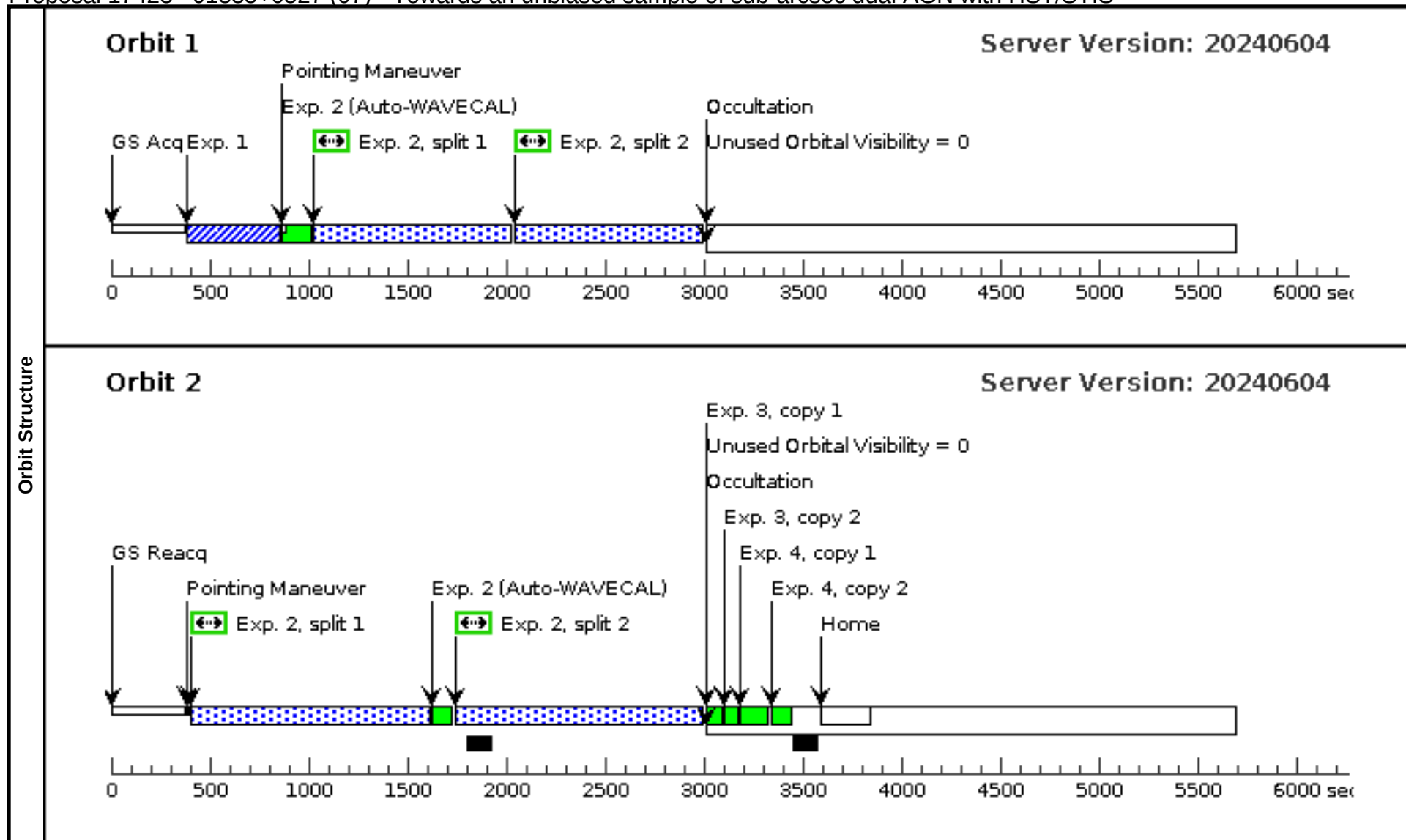
Orbit 2

Server Version: 20240604



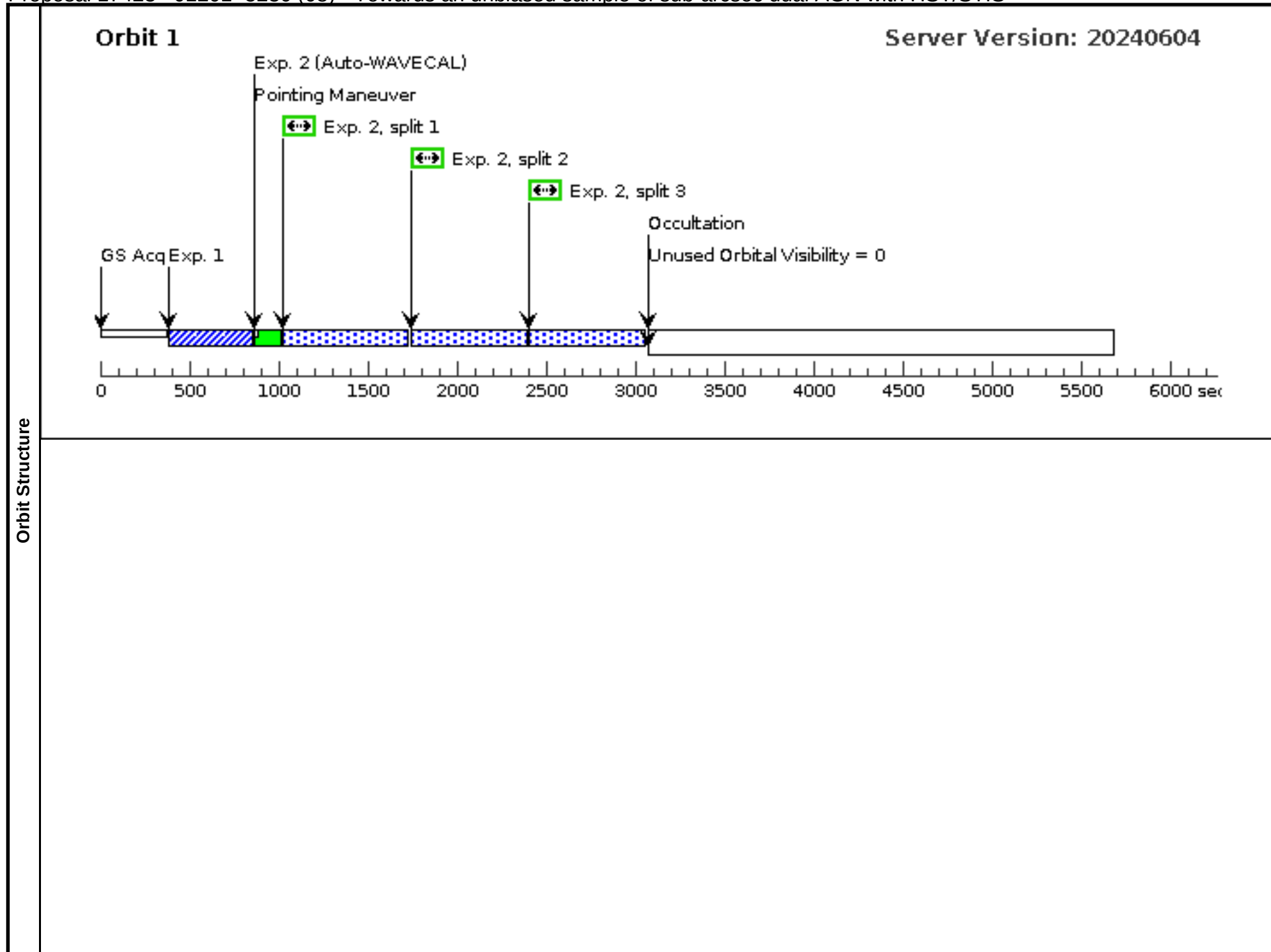
Proposal 17423 - J1335+0527 (07) - Towards an unbiased sample of sub-arcsec dual AGN with HST/STIS

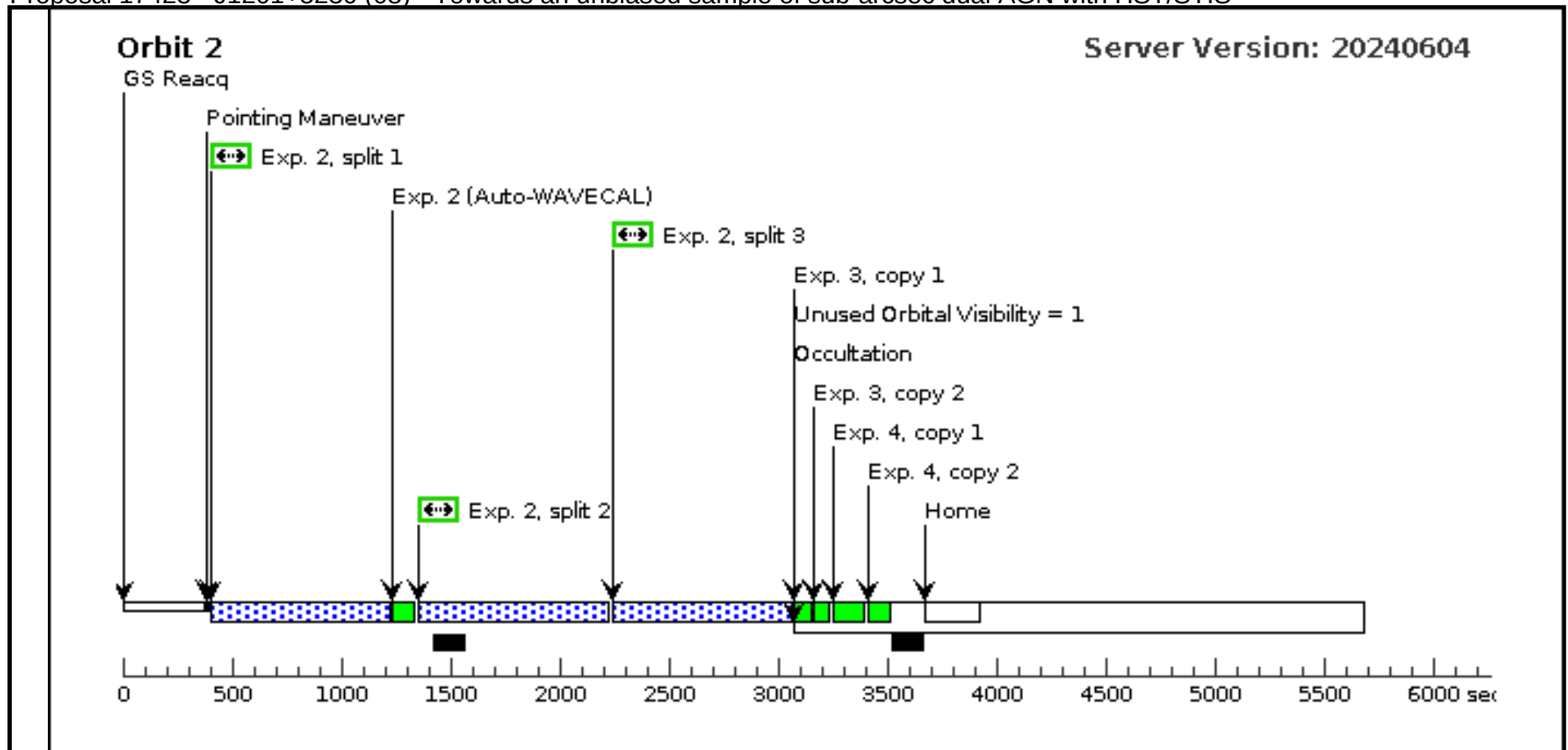
Visit	Proposal 17423, J1335+0527 (07), scheduling										Tue Aug 20 20:01:24 GMT 2024		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: STIS/CCD												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(2)	Pattern Type=STIS-ALONG-SLIT Purpose=DITHER Number Of Points=2 Point Spacing=0.25 Line Spacing=					Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=false					(2)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(7)	J1335+0527		RA: 13 35 12.1300 (203.8005417d) Dec: +05 27 32.49 (5.45903d) Equinox: J2000				V=19.53		Reference Frame: ICRS			
Comments: Category=GALAXY Description=[MULTIPLE NUCLEI, QSO] Extended=YES													
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	acq	(7) J1335+0527	STIS/CCD, ACQ, F28X50LP		MIRROR				60 Secs (60 Secs)			
										[==>]		[1]	
	2	J1335+0527 slit2	(7) J1335+0527	STIS/CCD, ACCUM, 52X2E1		G750L 7751 A	CR-SPLIT=2		Pattern 2, Exps 2-2 in J1335+0527 (07) (2)	900 Secs (4186 Secs)			
										[==>921.0 Secs (Pattern 1, Split 1)]		[1]	
										[==>921.0 Secs (Pattern 1, Split 2)]			
										[==>1172.0 Secs (Pattern 2, Split 1)]		[2]	
										[==>1172.0 Secs (Pattern 2, Split 2)]			
3	ccdflat	CCDFLAT	STIS/CCD, ACCUM, 52X2		G750L 7751 A				[==>(Copy 1)]		[2]		
									[==>(Copy 2)]				
4	ccdflat 52x0.1	CCDFLAT	STIS/CCD, ACCUM, 52X0.1		G750L 7751 A				[==>(Copy 1)]		[2]		
									[==>(Copy 2)]				



Proposal 17423 - J1201+5230 (08) - Towards an unbiased sample of sub-arcsec dual AGN with HST/STIS

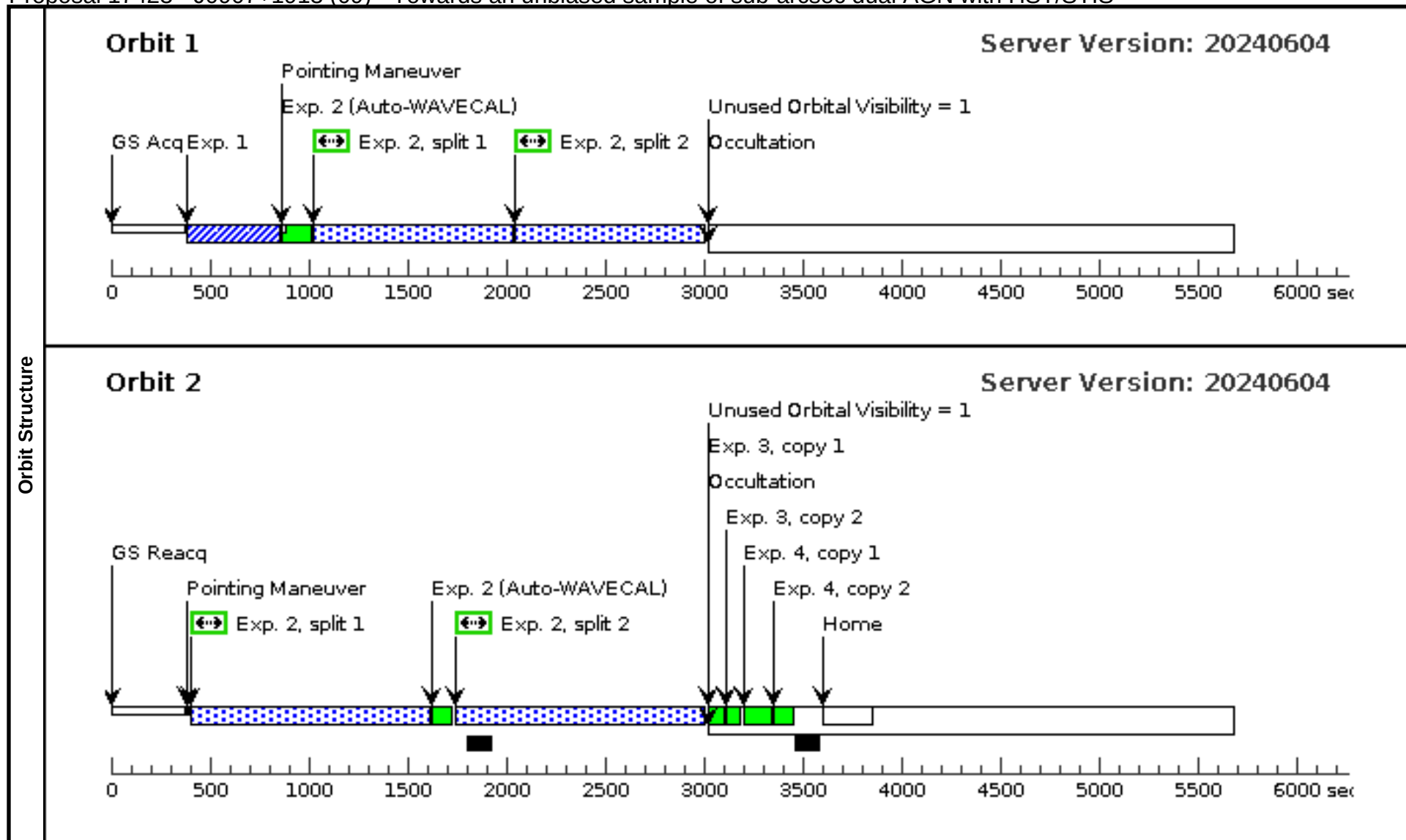
Visit	Proposal 17423, J1201+5230 (08), scheduling					Tue Aug 20 20:01:24 GMT 2024						
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: STIS/CCD											
	Special Requirements: (none)											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures		
	(2)	Pattern Type=STIS-ALONG-SLIT Purpose=DITHER Number Of Points=2 Point Spacing=0.25 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=false						(2)		
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(8)	J1201+5230		RA: 12 01 19.0100 (180.3292083d) Dec: +52 30 22.62 (52.50628d) Equinox: J2000				V=19.54		Reference Frame: ICRS		
	Comments: Category=GALAXY Description=[MULTIPLE NUCLEI, QSO] Extended=YES											
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	acq	(8) J1201+5230	STIS/CCD, ACQ, F28X50LP		MIRROR				60 Secs (60 Secs)		
										[==>]		[1]
	2	J1201+5230 slit2	(8) J1201+5230	STIS/CCD, ACCUM, 52X2E1		G750L 7751 A	CR-SPLIT=3		Pattern 2, Exps 2-2 in J1201+5230 (08) (2)	900 Secs (4233 Secs)		
										[==>622.0 Secs (Pattern 1, Split 1)]		
										[==>622.0 Secs (Pattern 1, Split 2)]		[1]
										[==>622.0 Secs (Pattern 1, Split 3)]		
										[==>789.0 Secs (Pattern 2, Split 1)]		
										[==>789.0 Secs (Pattern 2, Split 2)]		[2]
										[==>789.0 Secs (Pattern 2, Split 3)]		
3	ccdflat	CCDFLAT	STIS/CCD, ACCUM, 52X2		G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]		[2]	
4	ccdflat 52x0.1	CCDFLAT	STIS/CCD, ACCUM, 52X0.1		G750L 7751 A				[==>(Copy 1)] [==>(Copy 2)]		[2]	





Proposal 17423 - J0907+1913 (09) - Towards an unbiased sample of sub-arcsec dual AGN with HST/STIS

Visit	Proposal 17423, J0907+1913 (09), scheduling										Tue Aug 20 20:01:24 GMT 2024		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: STIS/CCD												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(2)	Pattern Type=STIS-ALONG-SLIT Purpose=DITHER Number Of Points=2 Point Spacing=0.25 Line Spacing=					Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=false					(2)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(9)	J0907+1913		RA: 09 07 51.3400 (136.9639167d) Dec: +19 13 27.27 (19.22424d) Equinox: J2000				V=19.28		Reference Frame: ICRS			
Comments: Category=GALAXY Description=[MULTIPLE NUCLEI, QSO] Extended=YES													
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	acq	(9) J0907+1913	STIS/CCD, ACQ, F28X50LP		MIRROR				60 Secs (60 Secs)			
										[==>]		[1]	
	2	J0907+1913 slit2	(9) J0907+1913	STIS/CCD, ACCUM, 52X2E1		G750L 7751 A	CR-SPLIT=2		Pattern 2, Exps 2-2 in J0907+1913 (09) (2)	900 Secs (4210 Secs)			
										[==>927.0 Secs (Pattern 1, Split 1)]		[1]	
										[==>927.0 Secs (Pattern 1, Split 2)]			
										[==>1178.0 Secs (Pattern 2, Split 1)]		[2]	
										[==>1178.0 Secs (Pattern 2, Split 2)]			
3	ccdflat	CCDFLAT	STIS/CCD, ACCUM, 52X2		G750L 7751 A				[==>(Copy 1)]		[2]		
									[==>(Copy 2)]				
4	ccdflat 52x0.1	CCDFLAT	STIS/CCD, ACCUM, 52X0.1		G750L 7751 A				[==>(Copy 1)]		[2]		
									[==>(Copy 2)]				

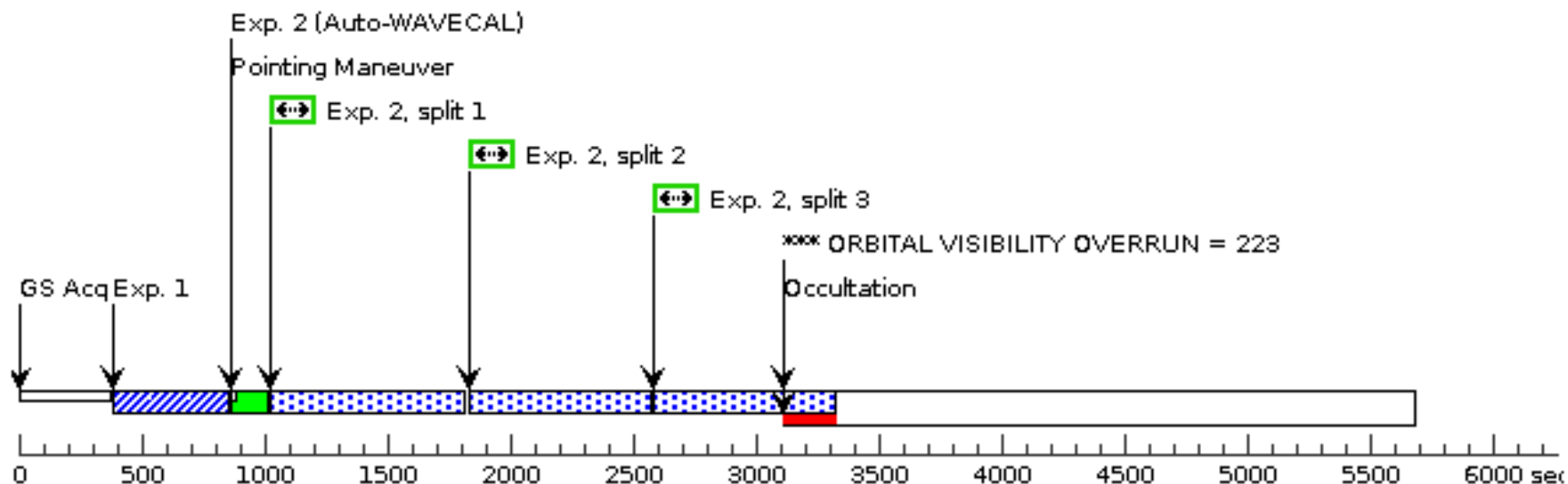


Proposal 17423 - J1440+6333 (10) - Towards an unbiased sample of sub-arcsec dual AGN with HST/STIS

Visit	Proposal 17423, J1440+6333 (10), completed										Tue Aug 20 20:01:24 GMT 2024			
	Diagnostic Status: Warning													
	Scientific Instruments: STIS/CCD													
	Special Requirements: (none)													
Diagnostics	(J1440+6333 (10)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN													
	(J1440+6333 (10)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN													
Patterns	#	Primary Pattern						Secondary Pattern					Exposures	
	(1)	Pattern Type=STIS-ALONG-SLIT Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=90.0 Number Of Points=2 Angle Between Sides= Point Spacing=1.0156 Center Pattern=false Line Spacing=											(2)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous				
	(10)	J1440+6333		RA: 14 40 36.4700 (220.1519583d) Dec: +63 33 54.32 (63.56509d) Equinox: J2000				V=20.34		Reference Frame: ICRS				
	Comments: Category=GALAXY Description=[MULTIPLE NUCLEI, QSO] Extended=YES													
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit		
	1	acq	(10) J1440+6333	STIS/CCD, ACQ, F28X50LP		MIRROR				60 Secs (60 Secs)				
										[==>]		[1]		
	2	J1440+6333 slit2	(10) J1440+6333	STIS/CCD, ACCUM, 52X2E1		G750L 7751 A	CR-SPLIT=3		Pattern 1, Exps 2-2 in J1440+6333 (10) (1)	900 Secs (4833 Secs)				
										[==>710.0 Secs (Pattern 1, Split 1)]				
										[==>710.0 Secs (Pattern 1, Split 2)]		[1]		
										[==>710.0 Secs (Pattern 1, Split 3)]				
										[==>901.0 Secs (Pattern 2, Split 1)]				
										[==>901.0 Secs (Pattern 2, Split 2)]		[2]		
										[==>901.0 Secs (Pattern 2, Split 3)]				
3	ccdflat	CCDFLAT	STIS/CCD, ACCUM, 52X2		G750L 7751 A					[==>(Copy 1)]				
										[==>(Copy 2)]		[2]		
4	ccdflat 52x0.1	CCDFLAT	STIS/CCD, ACCUM, 52X0.1		G750L 7751 A					[==>(Copy 1)]				
										[==>(Copy 2)]		[2]		

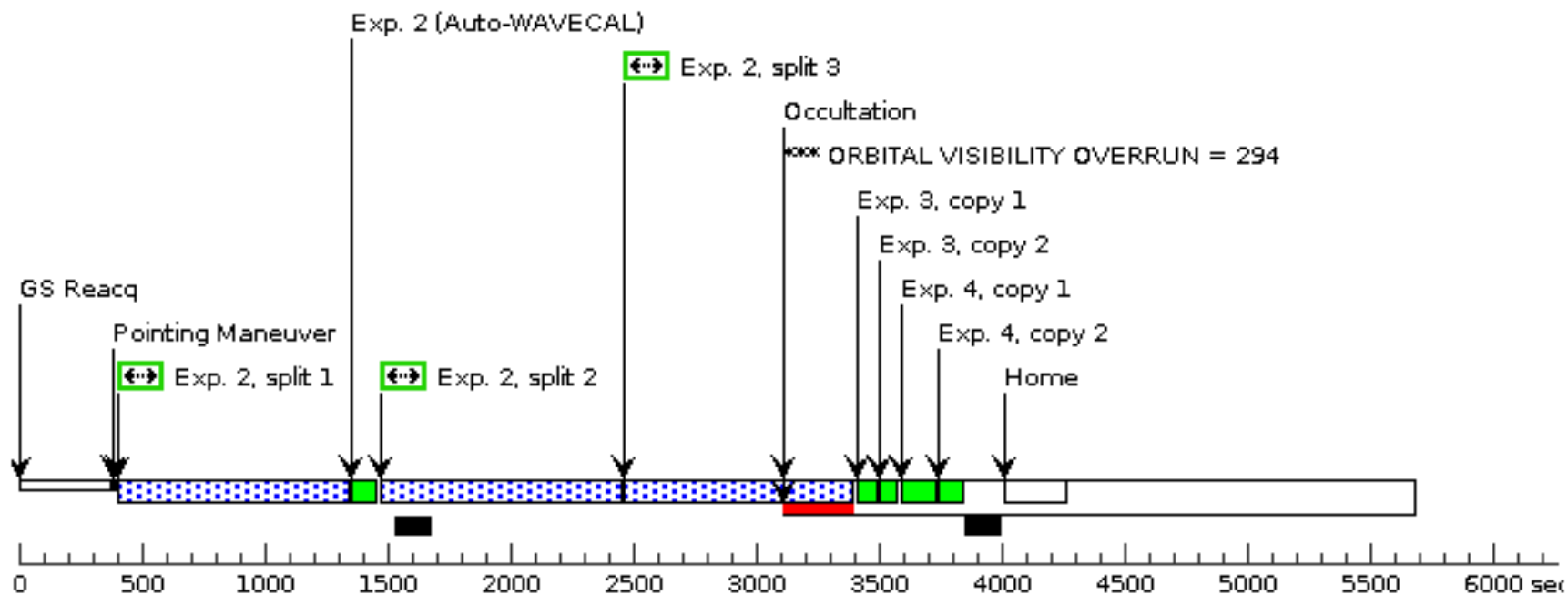
Orbit 1

Server Version: 20240604



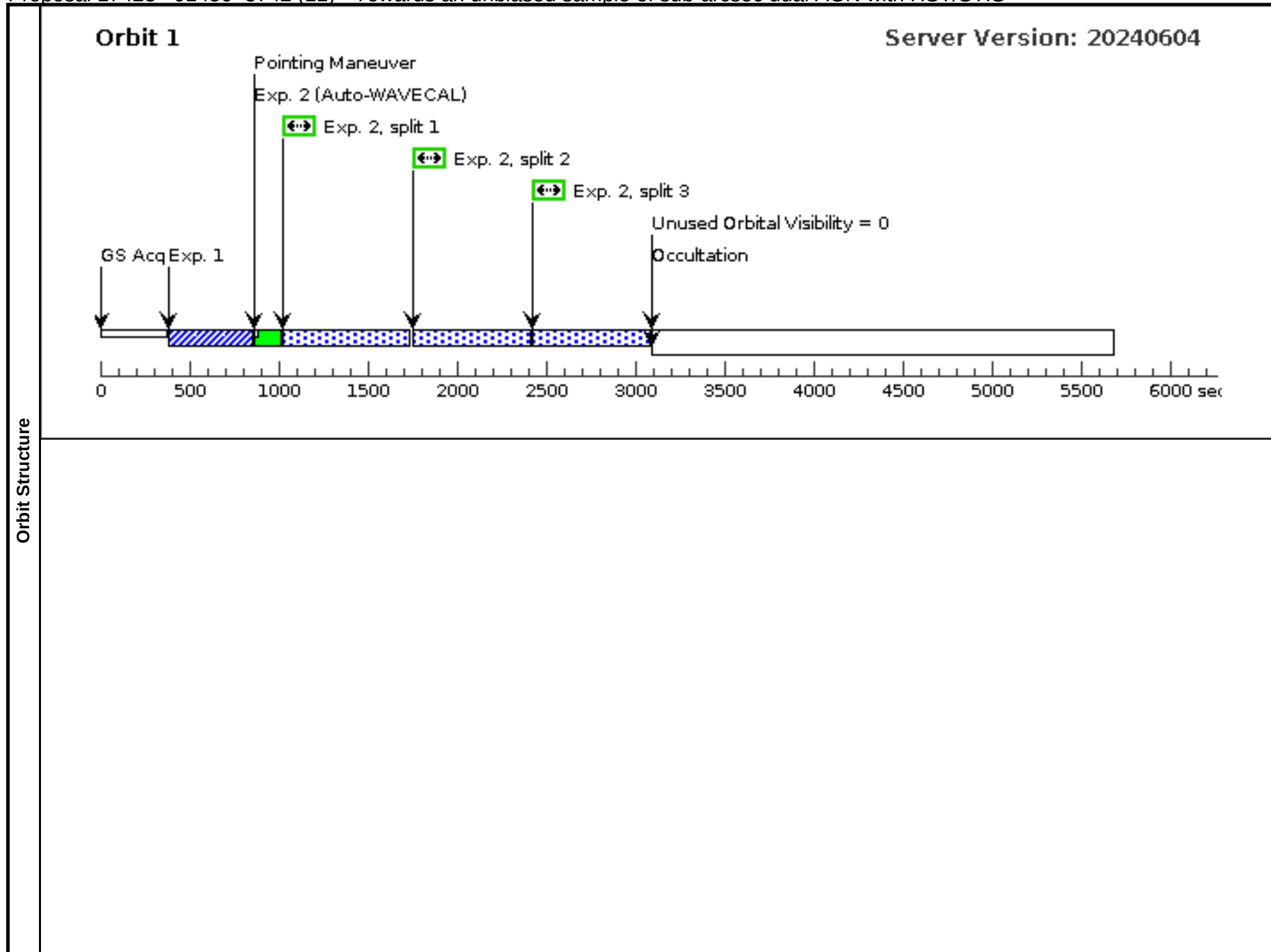
Orbit 2

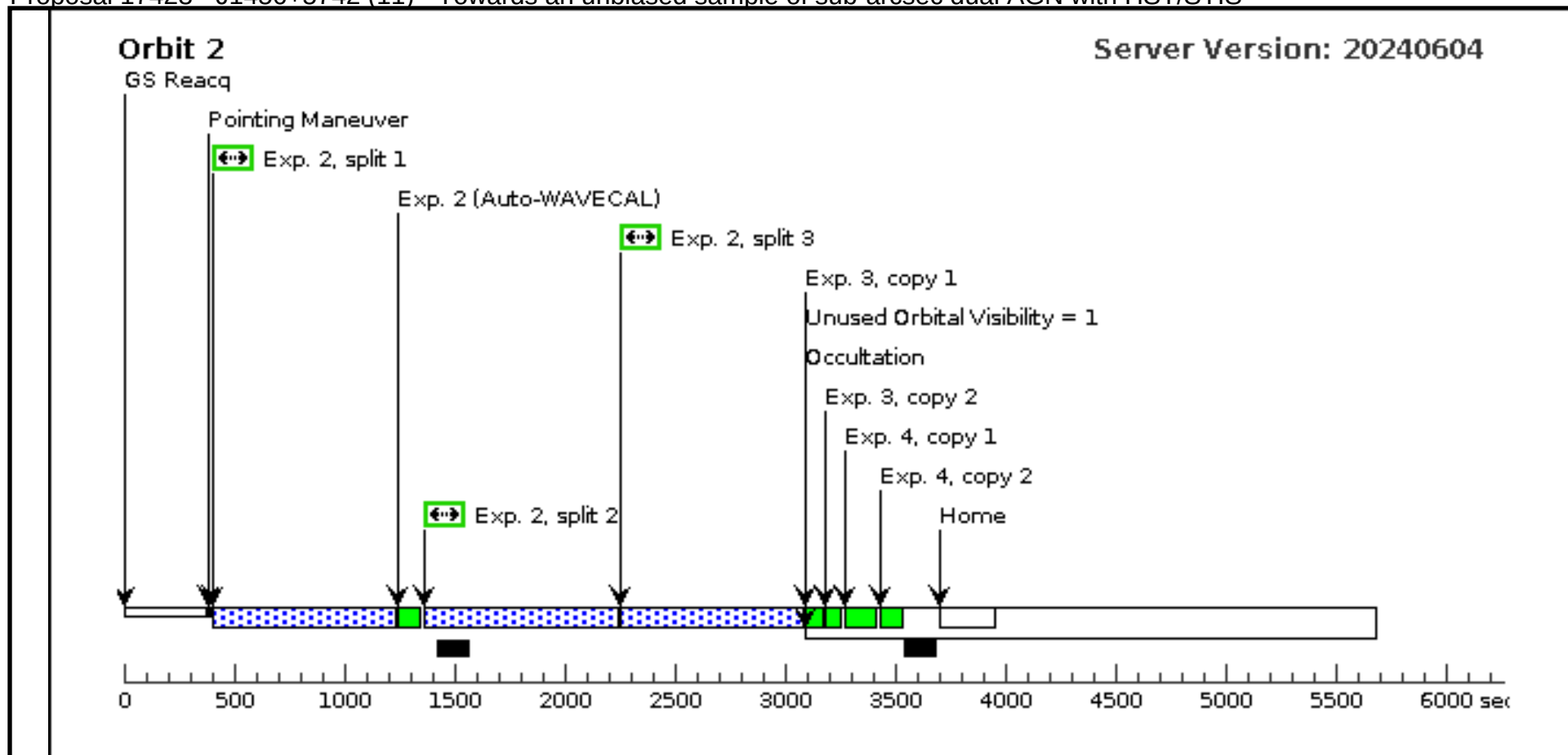
Server Version: 20240604



Proposal 17423 - J1456+5742 (11) - Towards an unbiased sample of sub-arcsec dual AGN with HST/STIS

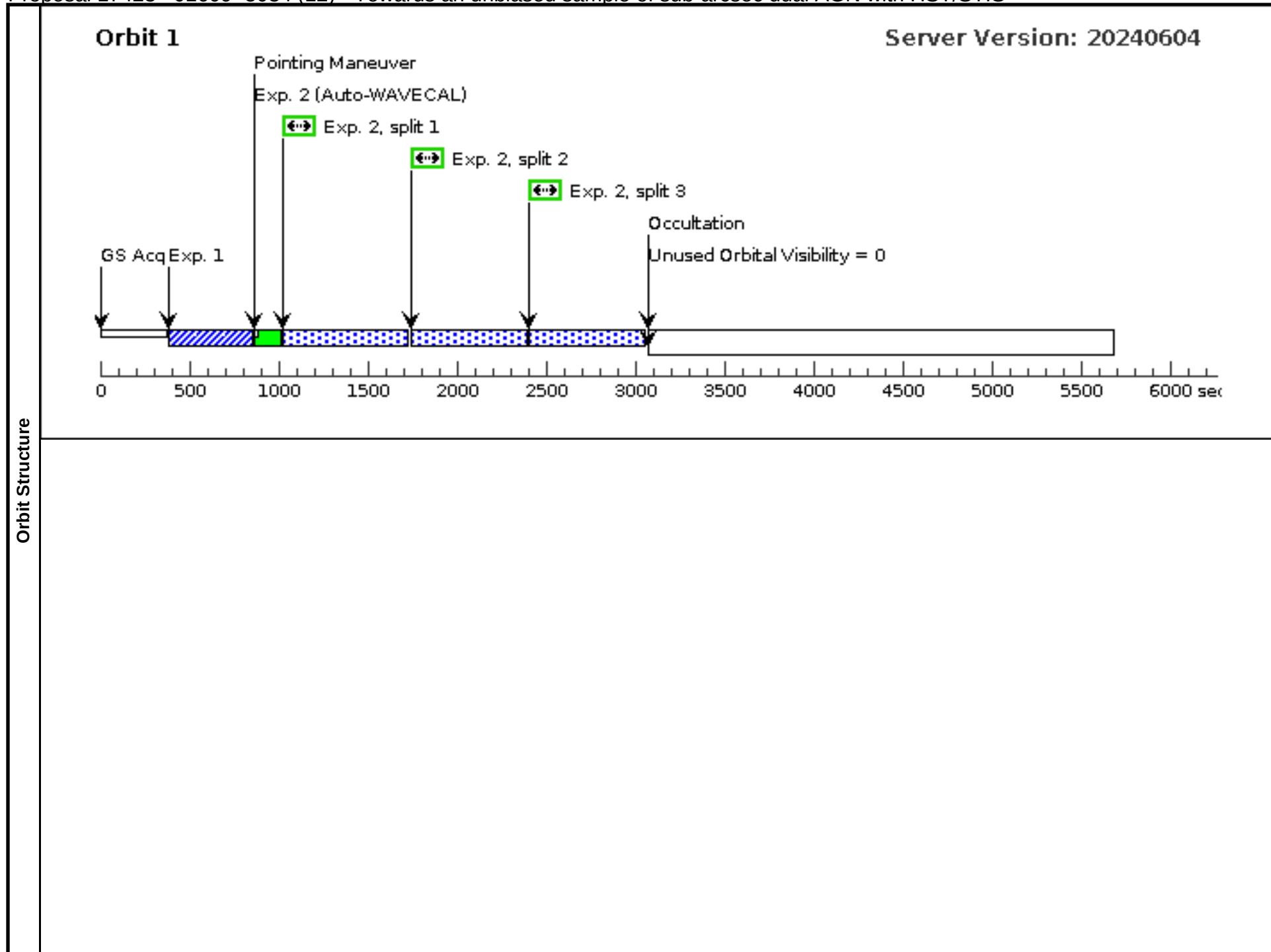
Visit	Proposal 17423, J1456+5742 (11), completed										Tue Aug 20 20:01:24 GMT 2024		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: STIS/CCD												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(2)	Pattern Type=STIS-ALONG-SLIT		Coordinate Frame=POS-TARG								(2)	
Purpose=DITHER		Pattern Orientation=90.0											
Number Of Points=2		Angle Between Sides=											
Point Spacing=0.25		Center Pattern=false											
Line Spacing=													
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(11)	J1456+5742		RA: 14 56 2.3900 (224.0099583d)				V=19.21		Reference Frame: ICRS			
			Dec: +57 42 58.59 (57.71628d)										
			Equinox: J2000										
Comments: Category=GALAXY Description=[MULTIPLE NUCLEI, QSO] Extended=YES													
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	acq	(11) J1456+5742	STIS/CCD, ACQ, F28X50LP		MIRROR				60 Secs (60 Secs)			
										[==>]		[1]	
	2	J1456+5742 slit2	(11) J1456+5742	STIS/CCD, ACCUM, 52X2E1		G750L	CR-SPLIT=3		Pattern 2, Exps 2-2 in J1456+5742 (11) (2)	900 Secs (4275 Secs)			
						7751 A				[==>629.0 Secs (Pattern 1, Split 1)]		[1]	
										[==>629.0 Secs (Pattern 1, Split 2)]			
										[==>629.0 Secs (Pattern 1, Split 3)]			
										[==>796.0 Secs (Pattern 2, Split 1)]		[2]	
									[==>796.0 Secs (Pattern 2, Split 2)]				
									[==>796.0 Secs (Pattern 2, Split 3)]				
	3	ccdflat	CCDFLAT	STIS/CCD, ACCUM, 52X2		G750L				[==>(Copy 1)]		[2]	
						7751 A				[==>(Copy 2)]			
4	ccdflat 52x0.1	CCDFLAT	STIS/CCD, ACCUM, 52X0.1		G750L				[==>(Copy 1)]		[2]		
					7751 A				[==>(Copy 2)]				

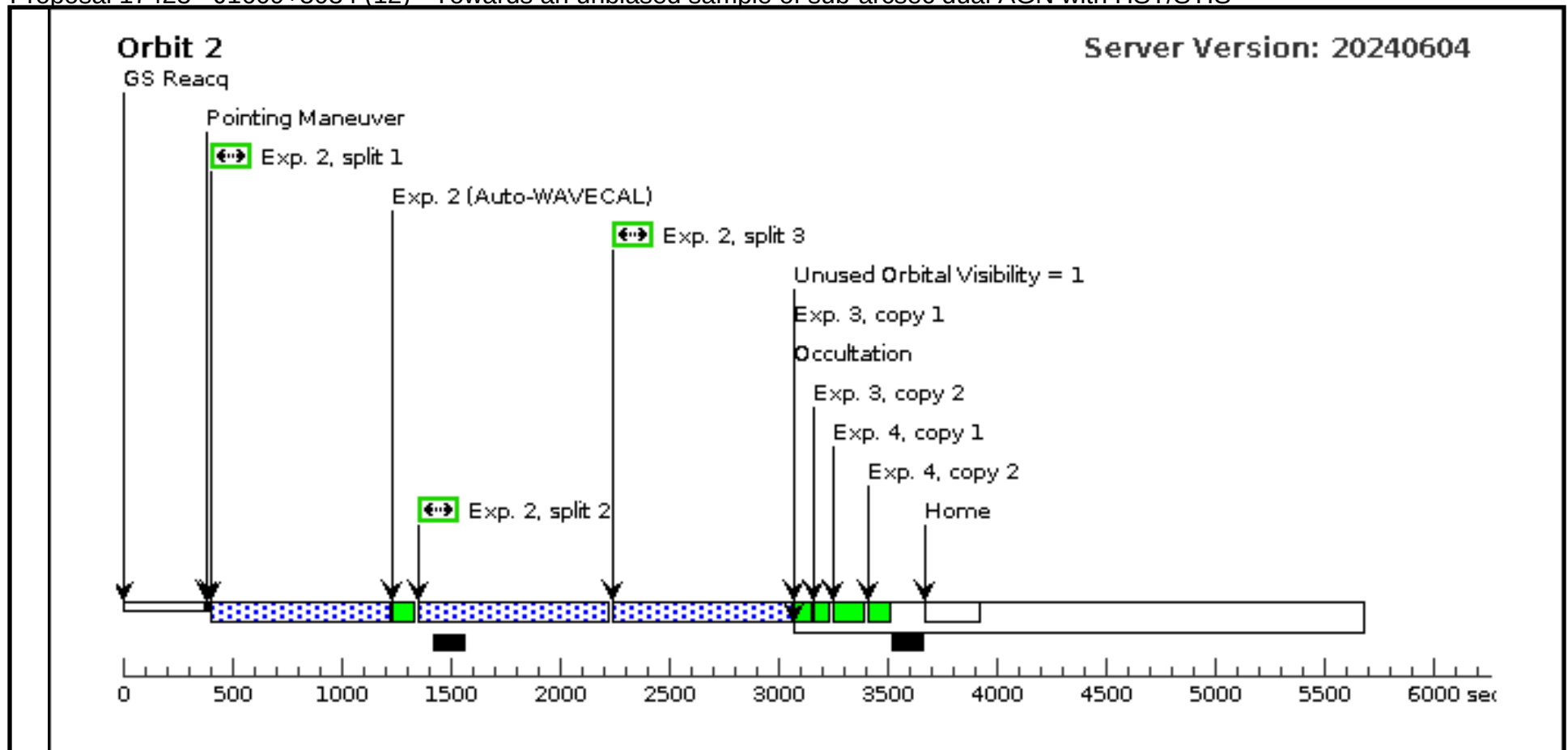




Proposal 17423 - J1609+5034 (12) - Towards an unbiased sample of sub-arcsec dual AGN with HST/STIS

Visit	Proposal 17423, J1609+5034 (12), scheduling										Tue Aug 20 20:01:24 GMT 2024		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: STIS/CCD												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(2)	Pattern Type=STIS-ALONG-SLIT Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=90.0 Number Of Points=2 Angle Between Sides= Point Spacing=0.25 Center Pattern=false Line Spacing=										(2)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(12)	J1609+5034		RA: 16 09 23.2800 (242.3470000d) Dec: +50 34 45.52 (50.57931d) Equinox: J2000				V=19.31		Reference Frame: ICRS			
	Comments: Category=GALAXY Description=[MULTIPLE NUCLEI, QSO] Extended=YES												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	acq	(12) J1609+5034	STIS/CCD, ACQ, F28X50LP		MIRROR				60 Secs (60 Secs)			
										[==>]		[1]	
	2	J1609+5034 slit2	(12) J1609+5034	STIS/CCD, ACCUM, 52X2E1		G750L 7751 A	CR-SPLIT=3		Pattern 2, Exps 2-2 in J1609+5034 (12) (2)	900 Secs (4233 Secs)			
										[==>622.0 Secs (Pattern 1, Split 1)]			
										[==>622.0 Secs (Pattern 1, Split 2)]		[1]	
										[==>622.0 Secs (Pattern 1, Split 3)]			
										[==>789.0 Secs (Pattern 2, Split 1)]			
										[==>789.0 Secs (Pattern 2, Split 2)]		[2]	
										[==>789.0 Secs (Pattern 2, Split 3)]			
3	ccdflat	CCDFLAT	STIS/CCD, ACCUM, 52X2		G750L 7751 A				[==>(Copy 1)]				
									[==>(Copy 2)]		[2]		
4	ccdflat 52x0.1	CCDFLAT	STIS/CCD, ACCUM, 52X0.1		G750L 7751 A				[==>(Copy 1)]				
									[==>(Copy 2)]		[2]		



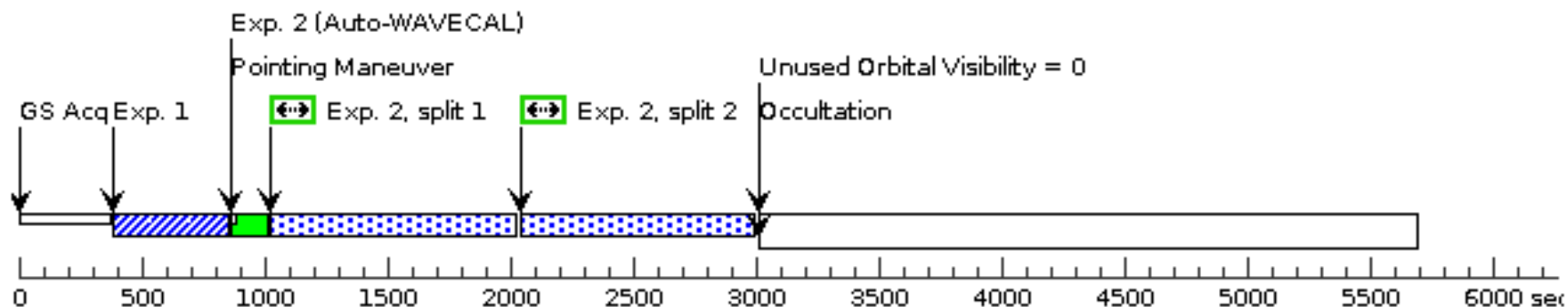


Proposal 17423 - J2117+0902 (13) - Towards an unbiased sample of sub-arcsec dual AGN with HST/STIS

Visit	Proposal 17423, J2117+0902 (13), scheduled										Tue Aug 20 20:01:24 GMT 2024		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: STIS/CCD												
	Special Requirements: ORIENT 0D TO 14.45 D; ORIENT 74.45D TO 194.45 D; ORIENT 254.45D TO 359 D												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(2)	Pattern Type=STIS-ALONG-SLIT Purpose=DITHER Number Of Points=2 Point Spacing=0.25 Line Spacing=					Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=false					(2)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(13)	J2117+0902		RA: 21 17 31.9300 (319.3830417d) Dec: +09 02 37.02 (9.04362d) Equinox: J2000				V=19.35		Reference Frame: ICRS			
	Comments: sep=0.54" G=20.10 PA=89.45 Category=GALAXY Description=[MULTIPLE NUCLEI, QSO] Extended=YES												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	acq	(13) J2117+0902	STIS/CCD, ACQ, F28X50LP		MIRROR				60 Secs (60 Secs)			
										[==>]		[1]	
	2	J2117+0902 slit2	(13) J2117+0902	STIS/CCD, ACCUM, 52X2E1		G750L 7751 A			Pattern 2, Exps 2-2 in J2117+0902 (13) (2)	900 Secs (4186 Secs)			
										[==>921.0 Secs (Pattern 1, Split 1)]		[1]	
										[==>921.0 Secs (Pattern 1, Split 2)]			
										[==>1172.0 Secs (Pattern 2, Split 1)]			
										[==>1172.0 Secs (Pattern 2, Split 2)]		[2]	
	3	ccdflat	CCDFLAT	STIS/CCD, ACCUM, 52X2		G750L 7751 A				[==>(Copy 1)]			
										[==>(Copy 2)]		[2]	
4	ccdflat 52x0.1	CCDFLAT	STIS/CCD, ACCUM, 52X0.1		G750L 7751 A				[==>(Copy 1)]				
									[==>(Copy 2)]		[2]		

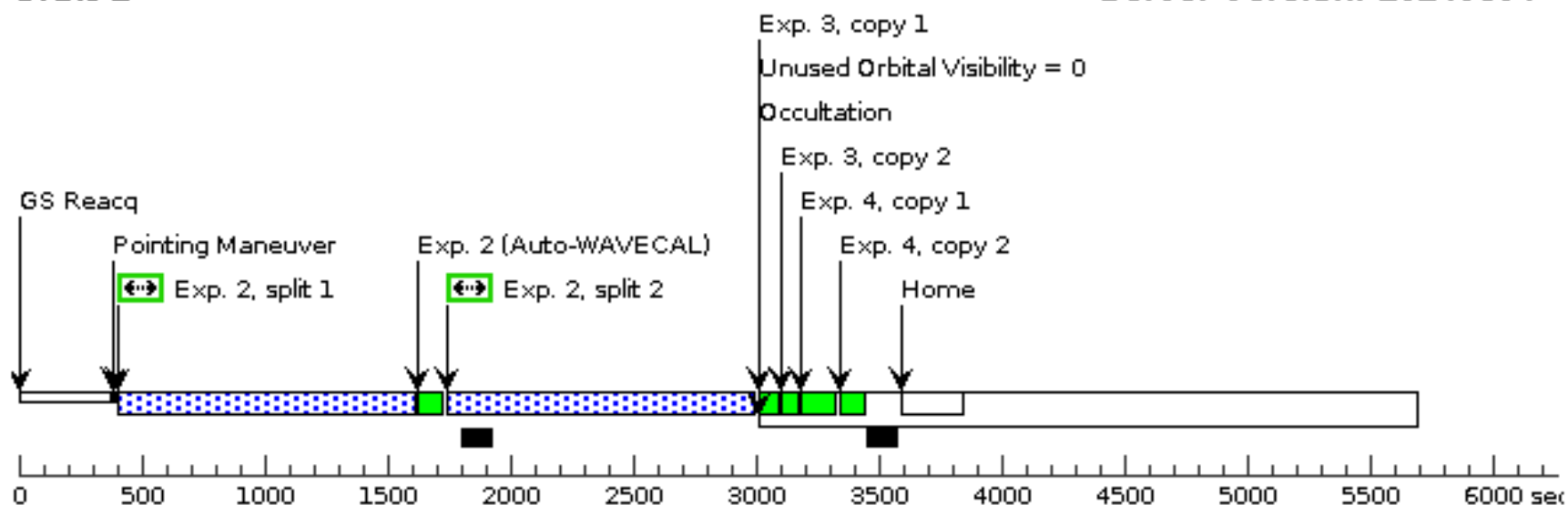
Orbit 1

Server Version: 20240604



Orbit 2

Server Version: 20240604

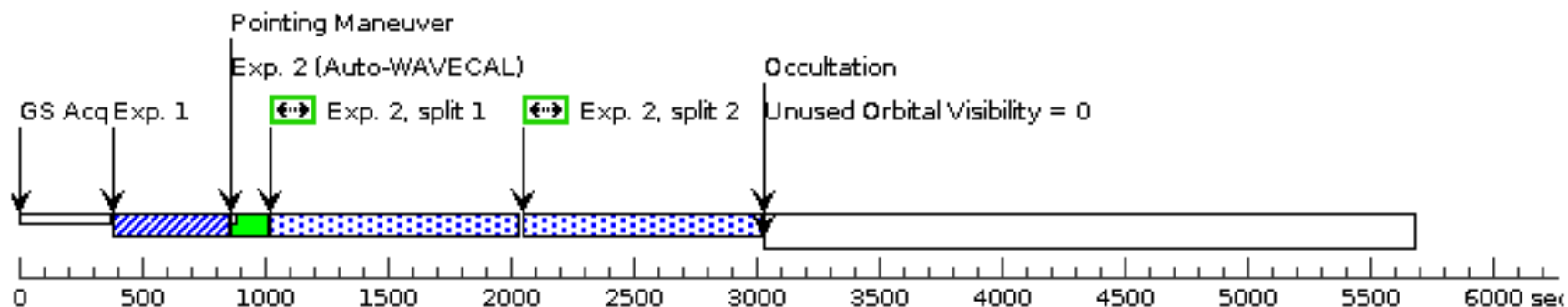


Proposal 17423 - J2245+3312 (14) - Towards an unbiased sample of sub-arcsec dual AGN with HST/STIS

Visit	Proposal 17423, J2245+3312 (14), completed										Tue Aug 20 20:01:24 GMT 2024		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: STIS/CCD												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(2)	Pattern Type=STIS-ALONG-SLIT Purpose=DITHER Number Of Points=2 Point Spacing=0.25 Line Spacing=					Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=false					(2)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(14)	J2245+3312		RA: 22 45 48.2400 (341.4510000d) Dec: +33 12 50.69 (33.21408d) Equinox: J2000				V=19.44		Reference Frame: ICRS			
Comments: Category=GALAXY Description=[MULTIPLE NUCLEI, QSO] Extended=YES													
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	acq	(14) J2245+3312	STIS/CCD, ACQ, F28X50LP		MIRROR				60 Secs (60 Secs)			
										[==>]		[1]	
	2	J2245+3312 slit2	(14) J2245+3312	STIS/CCD, ACCUM, 52X2E1		G750L 7751 A	CR-SPLIT=2		Pattern 2, Exps 2-2 in J2245+3312 (14) (2)	900 Secs (4234 Secs)			
										[==>933.0 Secs (Pattern 1, Split 1)]		[1]	
										[==>933.0 Secs (Pattern 1, Split 2)]			
										[==>1184.0 Secs (Pattern 2, Split 1)]		[2]	
										[==>1184.0 Secs (Pattern 2, Split 2)]			
	3	ccdflat	CCDFLAT	STIS/CCD, ACCUM, 52X2		G750L 7751 A				[==>(Copy 1)]		[2]	
										[==>(Copy 2)]			
4	ccdflat 52x0.1	CCDFLAT	STIS/CCD, ACCUM, 52X0.1		G750L 7751 A				[==>(Copy 1)]		[2]		
									[==>(Copy 2)]				

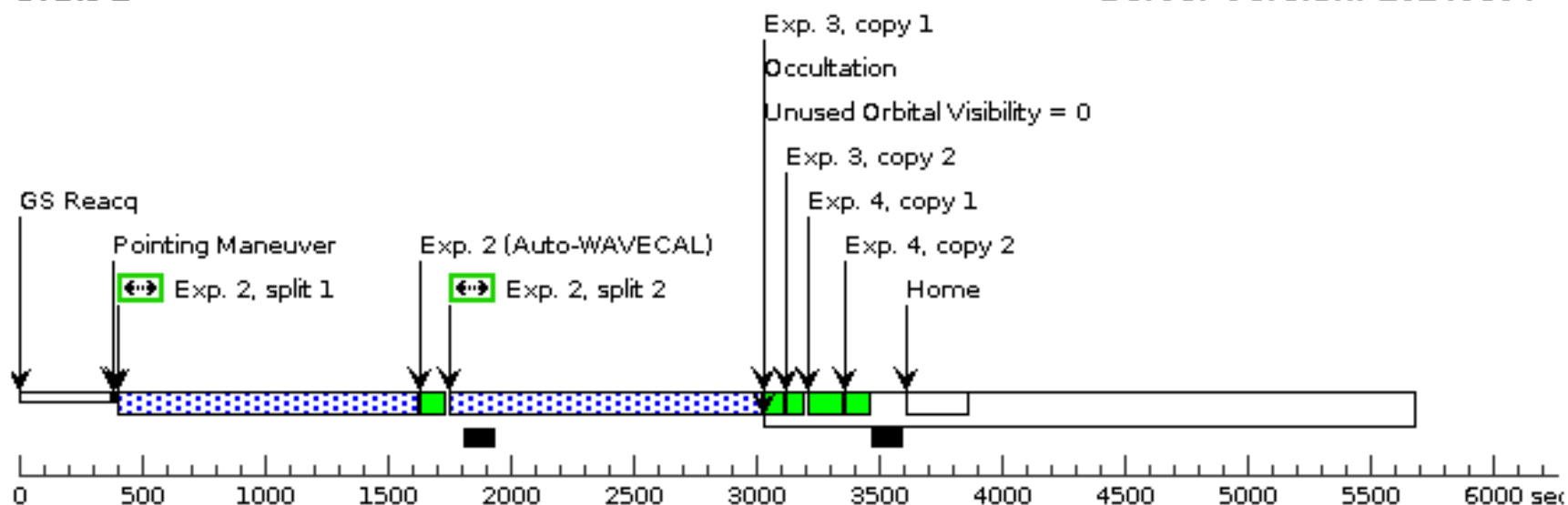
Orbit 1

Server Version: 20240604



Orbit 2

Server Version: 20240604

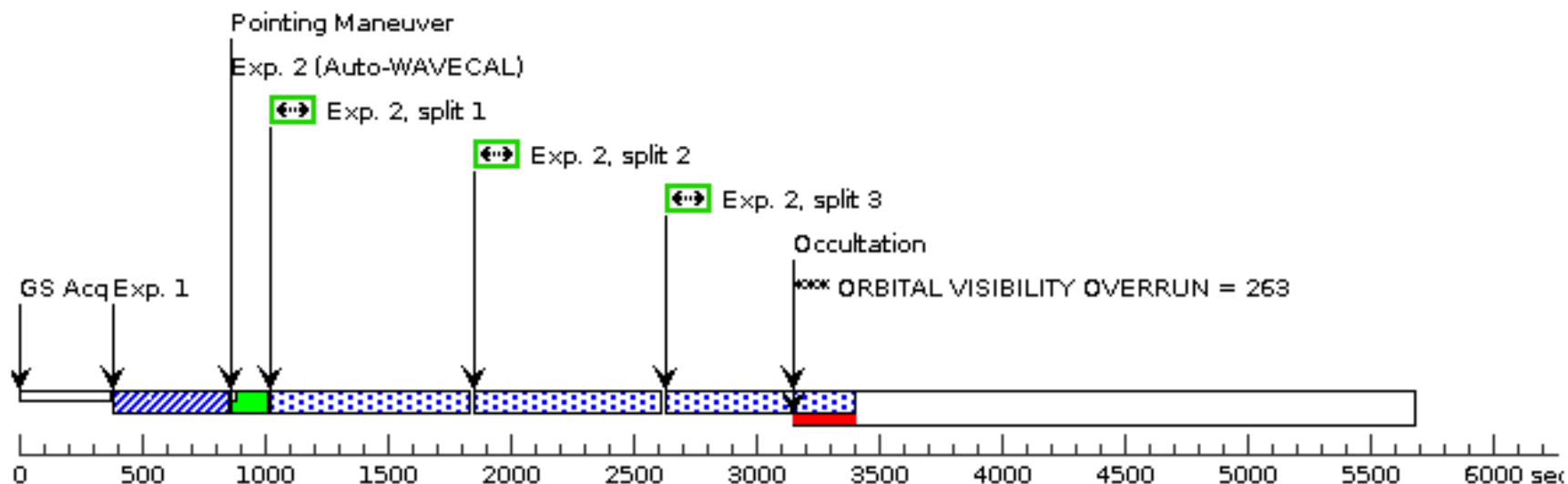


Proposal 17423 - J2257-6555 (15) - Towards an unbiased sample of sub-arcsec dual AGN with HST/STIS

Visit	Proposal 17423, J2257-6555 (15), completed										Tue Aug 20 20:01:24 GMT 2024		
	Diagnostic Status: Warning												
	Scientific Instruments: STIS/CCD												
	Special Requirements: (none)												
Diagnostics	(J2257-6555 (15)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN												
	(J2257-6555 (15)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(2)	Pattern Type=STIS-ALONG-SLIT Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=90.0 Number Of Points=2 Angle Between Sides= Point Spacing=0.25 Center Pattern=false Line Spacing=										(2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous				
	(15)	J2257-6555	RA: 22 57 36.1400 (344.4005833d) Dec: -65 55 8.84 (-65.91912d) Equinox: J2000				V=17.69		Reference Frame: ICRS				
Comments: Category=GALAXY Description=[MULTIPLE NUCLEI, QSO] Extended=YES													
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	acq	(15) J2257-6555	STIS/CCD, ACQ, F28X50LP		MIRROR				60 Secs (60 Secs)			
										[==>]		[1]	
	2	J2257-6555 slit2	(15) J2257-6555	STIS/CCD, ACCUM, 52X2E1		G750L 7751 A	CR-SPLIT=3		Pattern 2, Exps 2-2 in J2257-6555 (15) (2)	900 Secs (4977 Secs)			
										[==>734.0 Secs (Pattern 1, Split 1)]			
										[==>734.0 Secs (Pattern 1, Split 2)]		[1]	
										[==>734.0 Secs (Pattern 1, Split 3)]			
										[==>925.0 Secs (Pattern 2, Split 1)]			
									[==>925.0 Secs (Pattern 2, Split 2)]		[2]		
									[==>925.0 Secs (Pattern 2, Split 3)]				
3	ccdflat	CCDFLAT	STIS/CCD, ACCUM, 52X2		G750L 7751 A					[==>(Copy 1)] [==>(Copy 2)]		[2]	
4	ccdflat 52x0.1	CCDFLAT	STIS/CCD, ACCUM, 52X0.1		G750L 7751 A					[==>(Copy 1)] [==>(Copy 2)]		[2]	

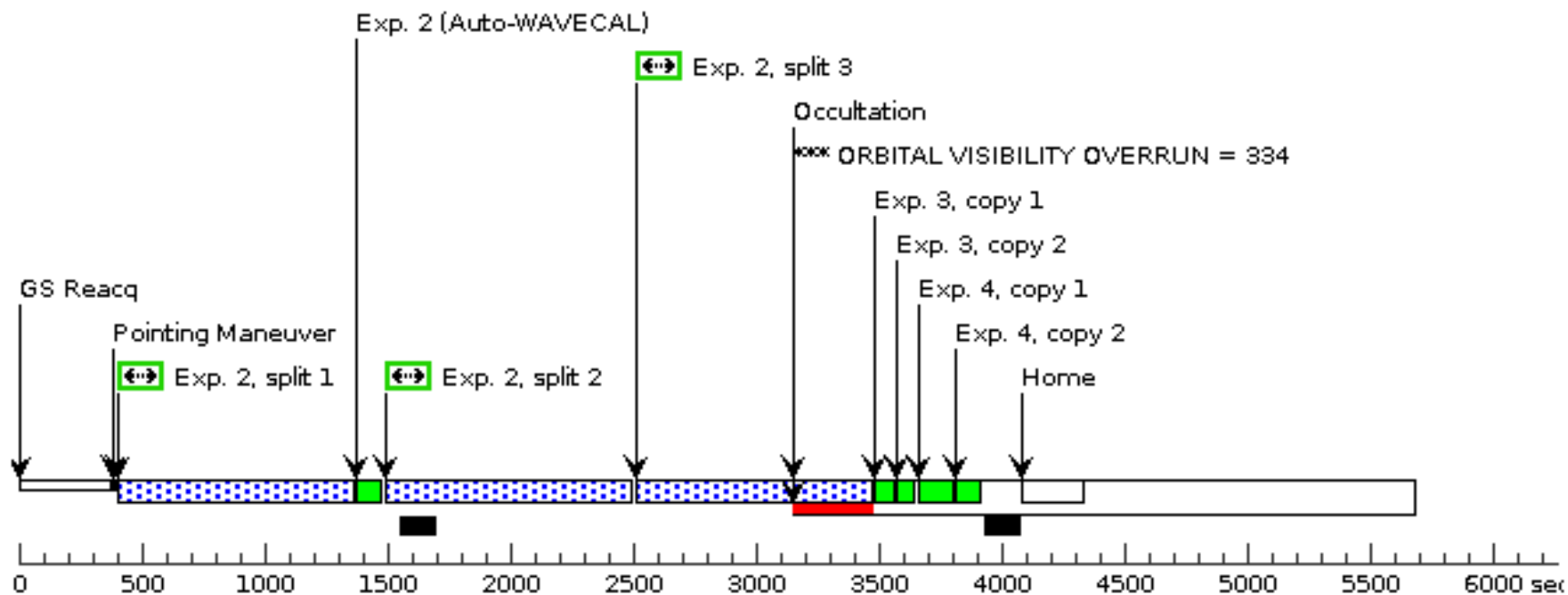
Orbit 1

Server Version: 20240604



Orbit 2

Server Version: 20240604

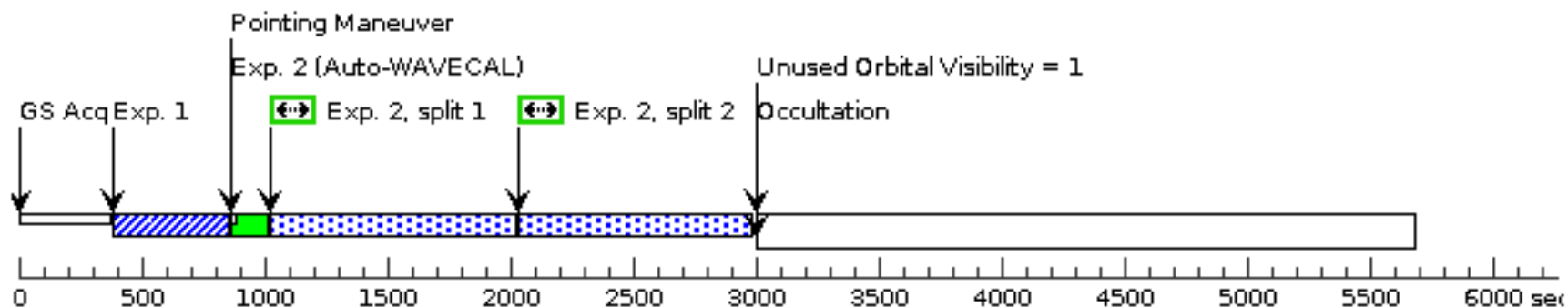


Proposal 17423 - J2309+0027 (16) - Towards an unbiased sample of sub-arcsec dual AGN with HST/STIS

Visit	Proposal 17423, J2309+0027 (16), failed										Tue Aug 20 20:01:24 GMT 2024		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: STIS/CCD												
	Special Requirements: (none)												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(2)	Pattern Type=STIS-ALONG-SLIT Purpose=DITHER Number Of Points=2 Point Spacing=0.25 Line Spacing=					Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides= Center Pattern=false					(2)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(16)	J2309+0027		RA: 23 09 26.6400 (347.3610000d) Dec: +00 27 25.76 (.45716d) Equinox: J2000				V=19.74		Reference Frame: ICRS			
Comments: Category=GALAXY Description=[MULTIPLE NUCLEI, QSO] Extended=YES													
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	acq	(16) J2309+0027	STIS/CCD, ACQ, F28X50LP		MIRROR				60 Secs (60 Secs)			
										[==>]		[1]	
	2	J2309+0027 slit2	(16) J2309+0027	STIS/CCD, ACCUM, 52X2E1		G750L 7751 A	CR-SPLIT=2		Pattern 2, Exps 2-2 in J2309+0027 (16) (2)	900 Secs (4174 Secs)			
										[==>918.0 Secs (Pattern 1, Split 1)]		[1]	
										[==>918.0 Secs (Pattern 1, Split 2)]			
										[==>1169.0 Secs (Pattern 2, Split 1)]		[2]	
										[==>1169.0 Secs (Pattern 2, Split 2)]			
3	ccdflat	CCDFLAT	STIS/CCD, ACCUM, 52X2		G750L 7751 A				[==>(Copy 1)]		[2]		
									[==>(Copy 2)]				
4	ccdflat 52x0.1	CCDFLAT	STIS/CCD, ACCUM, 52X0.1		G750L 7751 A				[==>(Copy 1)]		[2]		
									[==>(Copy 2)]				

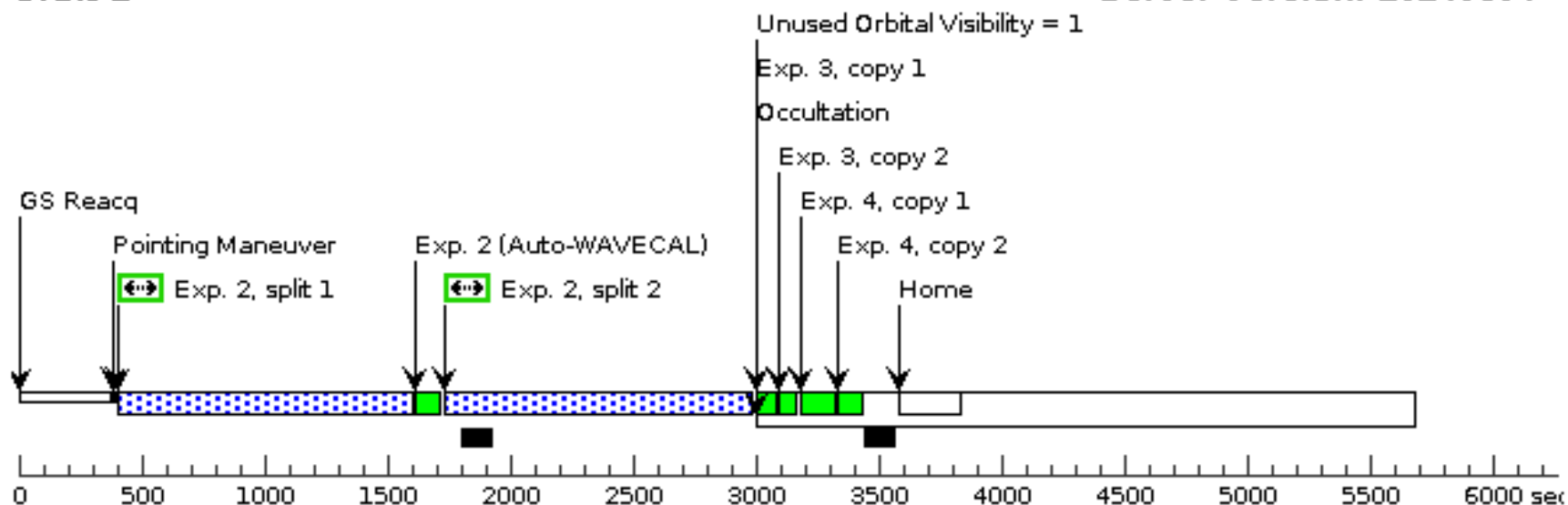
Orbit 1

Server Version: 20240604



Orbit 2

Server Version: 20240604



Proposal 17423 - J2309+0027-HOPR (Z6) - Towards an unbiased sample of sub-arcsec dual AGN with HST/STIS

Visit	Proposal 17423, J2309+0027-HOPR (Z6), implementation										Tue Aug 20 20:01:24 GMT 2024	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: STIS/CCD											
	Special Requirements: (none)											
Comments: This is a HOPR partial repeat of failed visit 16												
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(16)	J2309+0027	RA: 23 09 26.6400 (347.3610000d)				V=19.74		Reference Frame: ICRS			
			Dec: +00 27 25.76 (.45716d)									
			Equinox: J2000									
Comments: Category=GALAXY Description=[MULTIPLE NUCLEI, QSO] Extended=YES												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	acq	(16) J2309+0027	STIS/CCD, ACQ, F28X50LP		MIRROR				60 Secs (60 Secs)		
										[==>]		[1]
	2	J2309+0027 slit2	(16) J2309+0027	STIS/CCD, ACCUM, 52X2E1		G750L	CR-SPLIT=2			900 Secs (1836 Secs)		
						7751 A				[==>918.0 Secs (Split 1)]		
										[==>918.0 Secs (Split 2)]		[1]
	3	ccdflat	CCDFLAT	STIS/CCD, ACCUM, 52X2		G750L				[==>(Copy 1)]		
						7751 A				[==>(Copy 2)]		[1]
	4	ccdflat 52x0 .1	CCDFLAT	STIS/CCD, ACCUM, 52X0.1		G750L				[==>(Copy 1)]		
						7751 A				[==>(Copy 2)]		[1]
Orbit Structure	Orbit 1											
	Server Version: 20240604											