



12212 - What are the Locations and Kinematics of Mass Outflows in AGN?

Cycle: 18, Proposal Category: GO

(Availability Mode: SUPPORTED)

INVESTIGATORS

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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) MRK-1044	STIS/CCD	1	26-Apr-2011 21:01:11.0	yes
02	(2) NGC-3516	STIS/CCD	1	26-Apr-2011 21:01:15.0	yes
03	(3) NGC-3783	STIS/CCD	1	26-Apr-2011 21:01:19.0	yes
04	(6) NGC-4395	STIS/CCD	1	26-Apr-2011 21:01:22.0	yes
05	(7) MRK-279	STIS/CCD	1	26-Apr-2011 21:01:25.0	yes

Proposal 12212 (STScI Edit Number: 6, Created: Tuesday, April 26, 2011 8:03:30 PM EST) - Overview

Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
06	(8) NGC-5548	STIS/CCD	1	26-Apr-2011 21:01:28.0	yes
07	(9) MRK-0509	STIS/CCD	1	26-Apr-2011 21:01:31.0	yes
08	(10) AKN-564	STIS/CCD	1	26-Apr-2011 21:01:34.0	yes
09	(11) NGC-7469	STIS/CCD	1	26-Apr-2011 21:01:37.0	yes
10	(1) MRK-1044	WFC3/UVIS	1	26-Apr-2011 21:01:41.0	yes
11	(4) NGC-4051	WFC3/UVIS	1	26-Apr-2011 21:01:45.0	yes
12	(6) NGC-4395	WFC3/UVIS	1	26-Apr-2011 21:01:51.0	yes
13	(7) MRK-279	WFC3/UVIS	1	26-Apr-2011 21:01:54.0	yes
14	(9) MRK-0509	WFC3/UVIS	1	26-Apr-2011 21:01:58.0	yes
15	(10) AKN-564	WFC3/UVIS	1	26-Apr-2011 21:02:02.0	yes
16	(5) NGC-4151	STIS/CCD STIS/FUV-MAMA	2	26-Apr-2011 21:02:06.0	yes
17	(1) MRK-1044	COS/FUV	2	26-Apr-2011 21:02:13.0	yes
18	(2) NGC-3516	COS/FUV	2	26-Apr-2011 21:02:22.0	yes
19	(3) NGC-3783	COS/FUV	2	26-Apr-2011 21:02:31.0	yes
20	(6) NGC-4395	COS/FUV COS/NUV	2	26-Apr-2011 21:02:39.0	yes
21	(7) MRK-279	COS/FUV	2	26-Apr-2011 21:02:46.0	yes
22	(8) NGC-5548	COS/FUV	2	26-Apr-2011 21:02:55.0	yes
23	(10) AKN-564	COS/FUV COS/NUV	2	26-Apr-2011 21:03:02.0	yes
24	(11) NGC-7469	COS/FUV	2	26-Apr-2011 21:03:09.0	yes
58	(2) NGC-3516	COS/FUV	2	26-Apr-2011 21:03:18.0	yes
63	(10) AKN-564	COS/FUV COS/NUV	2	26-Apr-2011 21:03:25.0	yes

37 Total Orbits Used

ABSTRACT

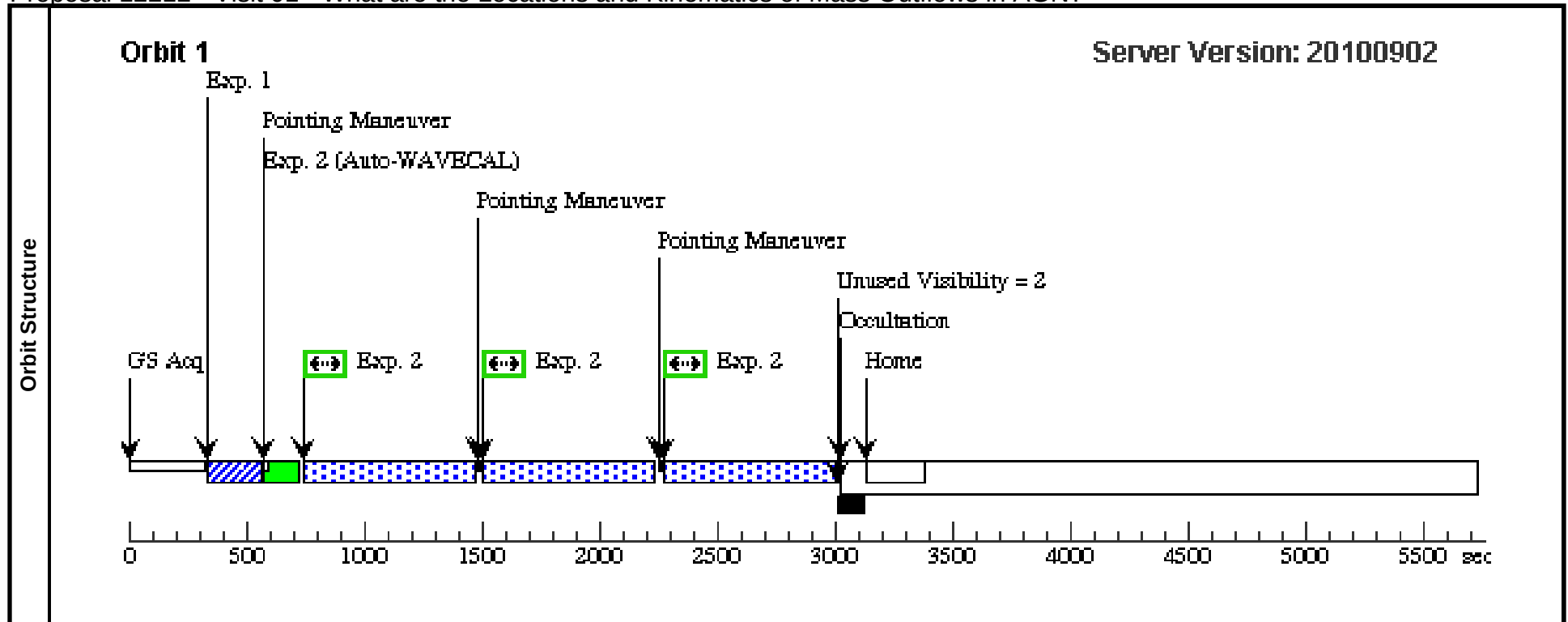
Mass outflows of ionized gas in AGN, first revealed through blueshifted UV and X-ray absorption lines, are likely important feedback mechanisms for the enrichment of the IGM, self-regulation of black-hole growth, and formation of structure in the early Universe. To understand the origin, dynamics, and impact of the outflowing absorbers on their surroundings, we need to know their locations (radial positions and polar angles with respect to the AGN rotation axes) and kinematics (radial and transverse velocities). We will use COS high-resolution spectra of 11 Seyfert 1 galaxies to derive velocity-dependent covering factors, ionic column densities, number densities (via metastable lines or variability), and ionization parameters (via photoionization models) of the UV absorbers, and thereby determine their radial locations as we have done for NGC 4151. We will use absorption variability over time scales of up to ~20 years, to determine transverse velocities and detect changes in radial velocities. We will use STIS G430M long-slit spectra and WFC3 [OIII] images to resolve the kinematics of the narrow-line region (NLR) and determine the inclinations of the AGN, to investigate the connection between nuclear absorption and NLR emission outflows and their dependence on polar angle.

OBSERVING DESCRIPTION

We have a total of 11 Seyfert 1 galaxies that require [O III] and continuum images, STIS G430M long-slit spectra, and COS high-resolution FUV spectra (or STIS E140M for NGC 4151, because it is too bright for COS). Some of these data already exist in the HST archives. We will obtain the remaining data with new WFC3, STIS, and COS observations. All observations will be centered on the bright nucleus of each AGN.

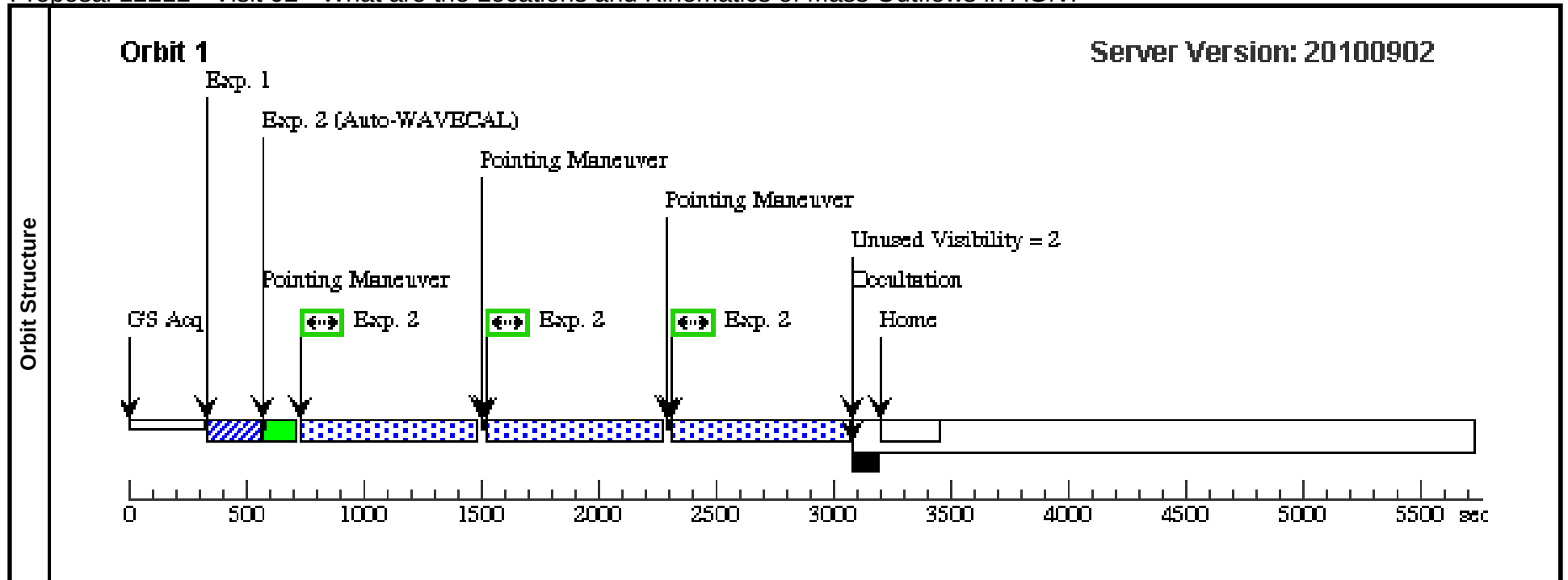
Proposal 12212 - Visit 01 - What are the Locations and Kinematics of Mass Outflows in AGN?

Visit	Proposal 12212, Visit 01, scheduling										Wed Apr 27 01:03:30 GMT 2011		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: STIS/CCD												
	Special Requirements: SCHED 100%; ORIENT 5D TO 25 D; ORIENT 185D TO 205 D												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=STIS-ALONG-SLIT Purpose=DITHER Number Of Points=3 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)	MRK-1044		RA: 02 30 5.5250 (37.5230208d) Dec: -08 59 53.29 (-8.99814d) Equinox: J2000				V=15.2		Reference Frame: ICRS			
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit	
	1		(1) MRK-1044	STIS/CCD, ACQ, F28X50LP		MIRROR				1.0 Secs			
										[==>]		[1]	
	2		(1) MRK-1044	STIS/CCD, ACCUM, 52X0.2E1		G430M	CR-SPLIT=NO		Pattern 1, Exps 2-2 i n Visit 01 (1)	697 Secs			
						5093 A				[==>695.0 Secs (Pattern 1)] [==>695.0 Secs (Pattern 2)] [==>695.0 Secs (Pattern 3)]		[1]	



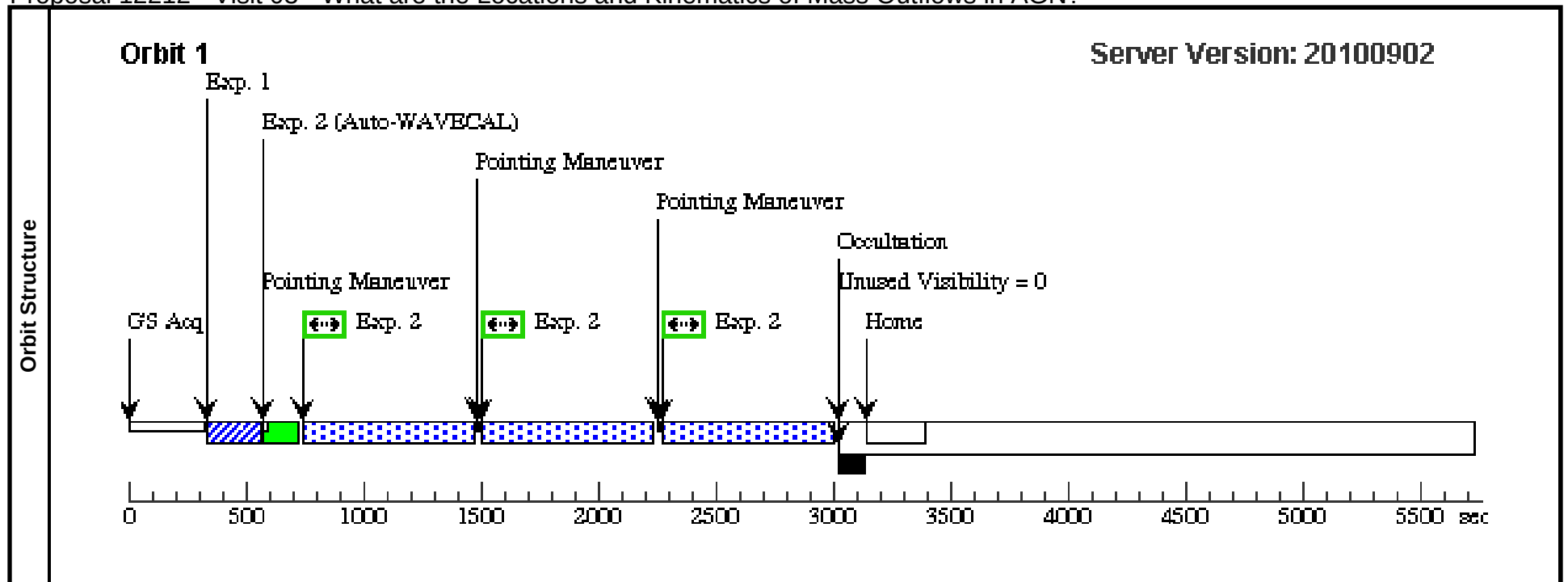
Proposal 12212 - Visit 02 - What are the Locations and Kinematics of Mass Outflows in AGN?

Visit	Proposal 12212, Visit 02, completed										Wed Apr 27 01:03:31 GMT 2011
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: STIS/CCD										
	Special Requirements: SCHED 100%; ORIENT 25D TO 45 D; ORIENT 205D TO 225 D										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=STIS-ALONG-SLIT Purpose=DITHER Number Of Points=3 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)	NGC-3516	RA: 11 06 47.4912 (166.6978800d) Dec: +72 34 6.89 (72.56858d) Equinox: J2000				V=12.5		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the NED database.										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(2) NGC-3516	STIS/CCD, ACQ, F28X50LP	MIRROR				1.0 Secs		
									[==>]		[1]
	2		(2) NGC-3516	STIS/CCD, ACCUM, 52X0.1	G430M 4961 A	CR-SPLIT=NO		Pattern 1, Exps 2-2 i n Visit 02 (1)	697 Secs		
									[==>718.0 Secs (Pattern 1)] [==>718.0 Secs (Pattern 2)] [==>718.0 Secs (Pattern 3)]		[1]



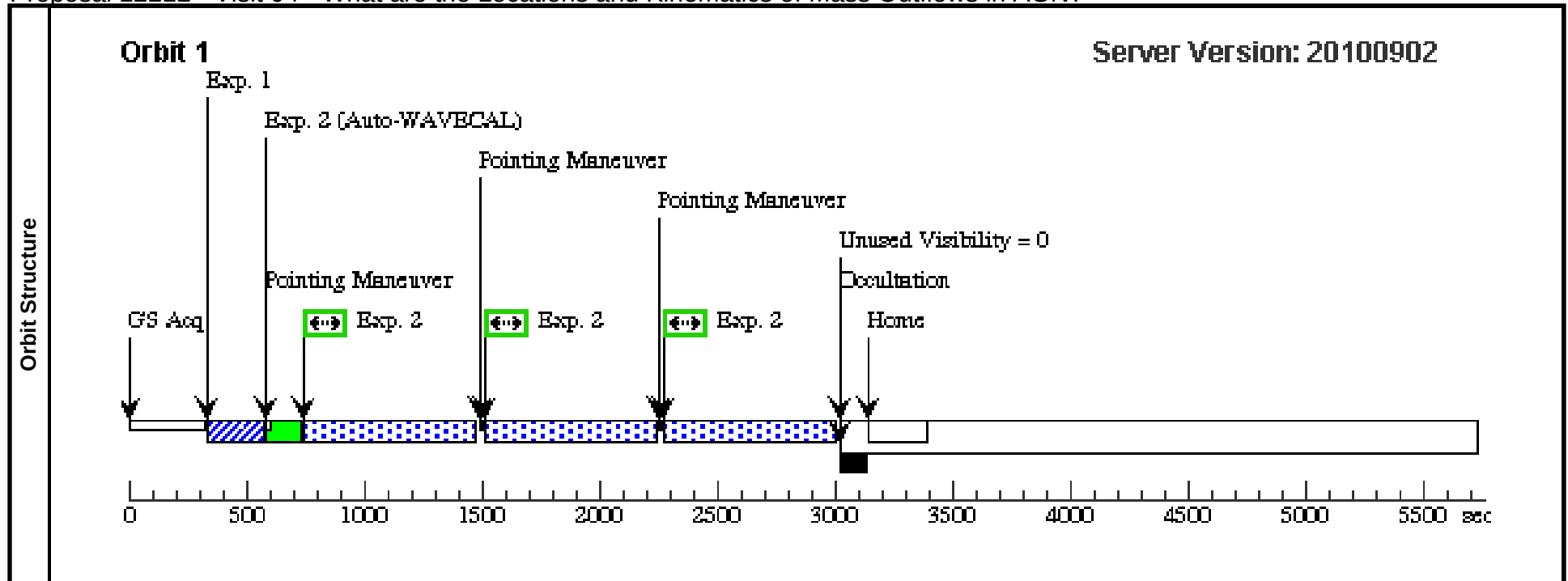
Proposal 12212 - Visit 03 - What are the Locations and Kinematics of Mass Outflows in AGN?

Visit	Proposal 12212, Visit 03, completed										Wed Apr 27 01:03:32 GMT 2011		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: STIS/CCD												
	Special Requirements: SCHED 100%; ORIENT 25D TO 45 D; ORIENT 205D TO 225 D												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=STIS-ALONG-SLIT		Coordinate Frame=POS-TARG								(2)	
Purpose=DITHER		Pattern Orientation=90.0											
Number Of Points=3		Angle Between Sides=											
Point Spacing=0.25		Center Pattern=false											
Line Spacing=													
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(3)	NGC-3783		RA: 11 39 1.7208 (174.7571700d)				V=12.6		Reference Frame: ICRS			
			Dec: -37 44 18.89 (-37.73858d)										
			Equinox: J2000										
Comments: This object was generated by the targetselector and retrieved from the NED database.													
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit	
	1		(3) NGC-3783	STIS/CCD, ACQ, F28X50LP		MIRROR				1.0 Secs			
										[==>]		[1]	
	2		(3) NGC-3783	STIS/CCD, ACCUM, 52X0.2E1		G430M	CR-SPLIT=NO		Pattern 1, Exps 2-2 i n Visit 03 (1)	697 Secs			
						4961 A				[==>696.0 Secs (Pattern 1)] [==>696.0 Secs (Pattern 2)] [==>696.0 Secs (Pattern 3)]		[1]	



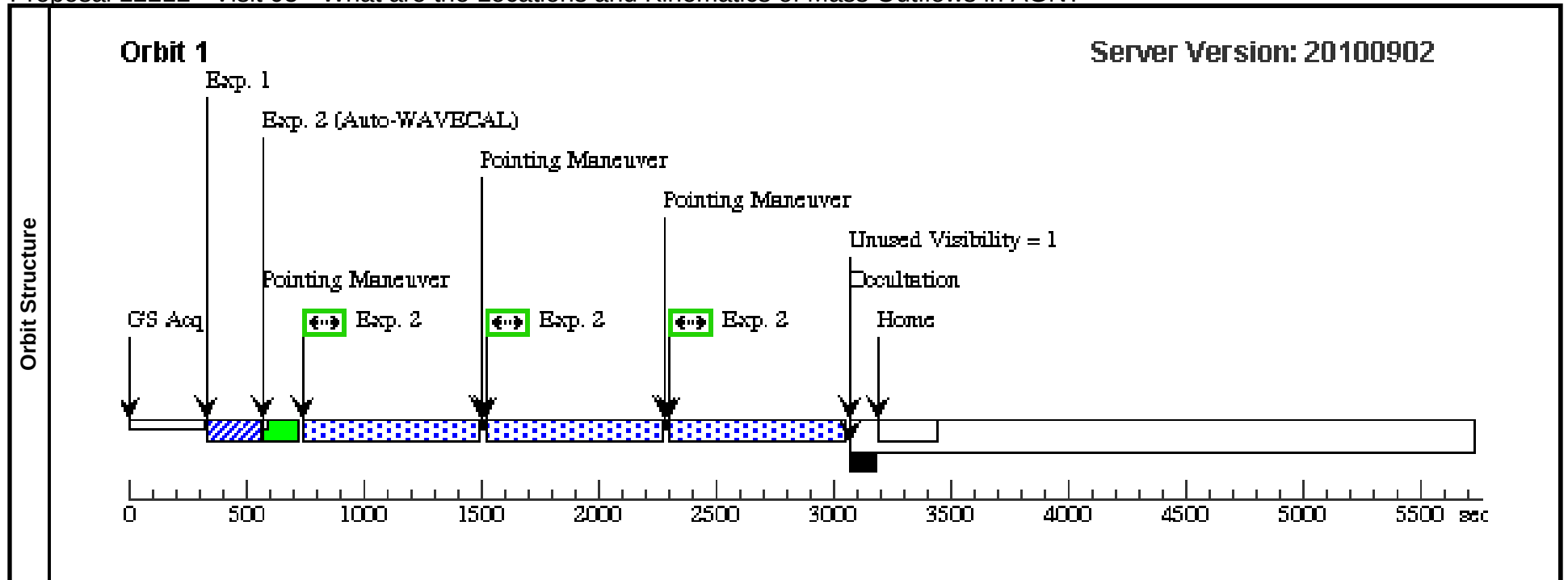
Proposal 12212 - Visit 04 - What are the Locations and Kinematics of Mass Outflows in AGN?

Visit	Proposal 12212, Visit 04, implementation										Wed Apr 27 01:03:32 GMT 2011		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: STIS/CCD												
	Special Requirements: SCHED 100%; ORIENT 105D TO 125 D; ORIENT 285D TO 305 D												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=STIS-ALONG-SLIT		Coordinate Frame=POS-TARG								(2)	
Purpose=DITHER		Pattern Orientation=90.0											
Number Of Points=3		Angle Between Sides=											
Point Spacing=0.25		Center Pattern=false											
Line Spacing=													
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(6)	NGC-4395		RA: 12 25 48.8664 (186.4536100d)				V=10.6		Reference Frame: ICRS			
			Dec: +33 32 48.73 (33.54687d)										
			Equinox: J2000										
Comments: This object was generated by the targetselector and retrieved from the NED database.													
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit		
	1		(6) NGC-4395	STIS/CCD, ACQ, F28X50LP	MIRROR				3.0 Secs				
									[==>]		[1]		
	2		(6) NGC-4395	STIS/CCD, ACCUM, 52X0.2E1	G430M	CR-SPLIT=NO		Pattern 1, Exps 2-2 i n Visit 04 (1)	694 Secs				
					4961 A				[==>693.0 Secs (Pattern 1)] [==>693.0 Secs (Pattern 2)] [==>693.0 Secs (Pattern 3)]		[1]		



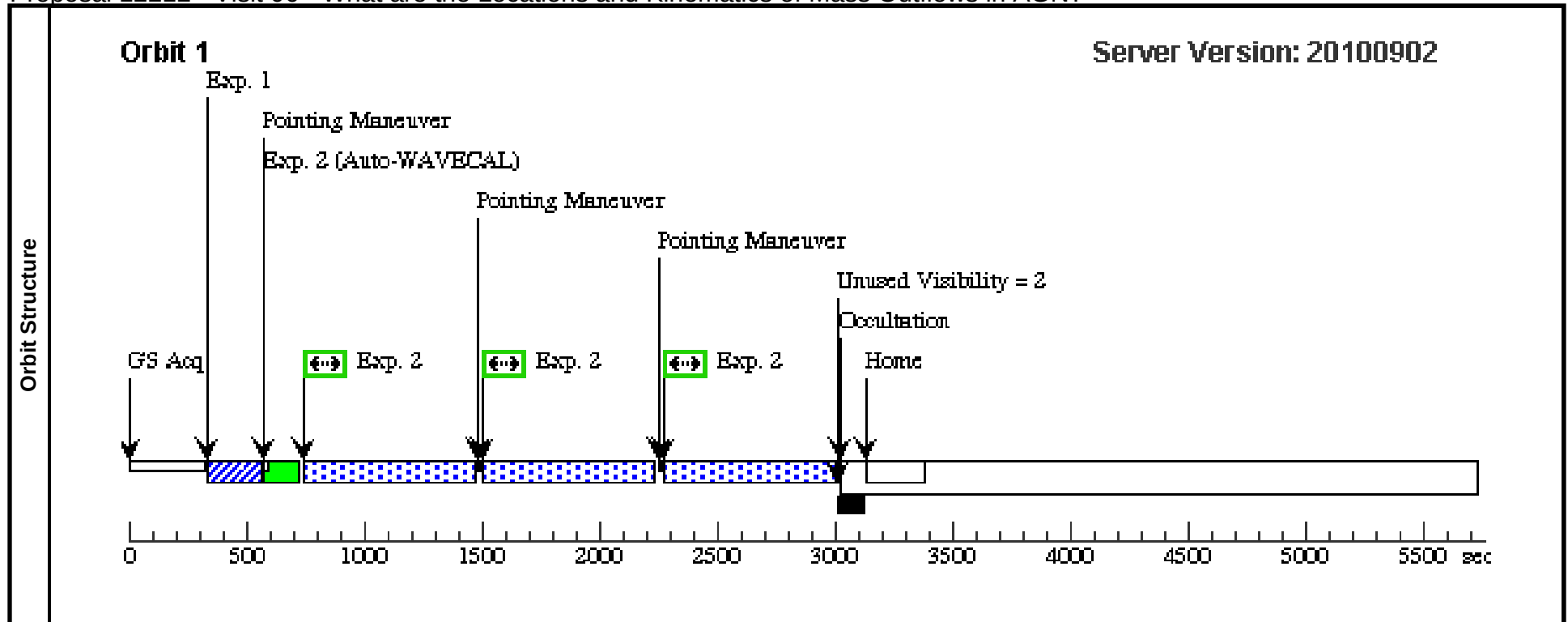
Proposal 12212 - Visit 05 - What are the Locations and Kinematics of Mass Outflows in AGN?

Visit	Proposal 12212, Visit 05, implementation										Wed Apr 27 01:03:32 GMT 2011		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: STIS/CCD												
	Special Requirements: SCHED 100%; ORIENT 170D TO 190 D; ORIENT 350D TO 10 D												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=STIS-ALONG-SLIT Purpose=DITHER Number Of Points=3 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)	MRK-279		RA: 13 53 3.4464 (208.2643600d) Dec: +69 18 29.56 (69.30821d) Equinox: J2000				V=14.6		Reference Frame: ICRS			
	Comments: This object was generated by the targetselector and retrieved from the NED database.												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit	
	1		(7) MRK-279	STIS/CCD, ACQ, F28X50LP		MIRROR				1.0 Secs			
										[==>]		[1]	
	2		(7) MRK-279	STIS/CCD, ACCUM, 52X0.2E1		G430M	CR-SPLIT=NO		Pattern 1, Exps 2-2 i n Visit 05 (1)	697 Secs			
						5093 A				[==>712.0 Secs (Pattern 1)] [==>712.0 Secs (Pattern 2)] [==>712.0 Secs (Pattern 3)]		[1]	



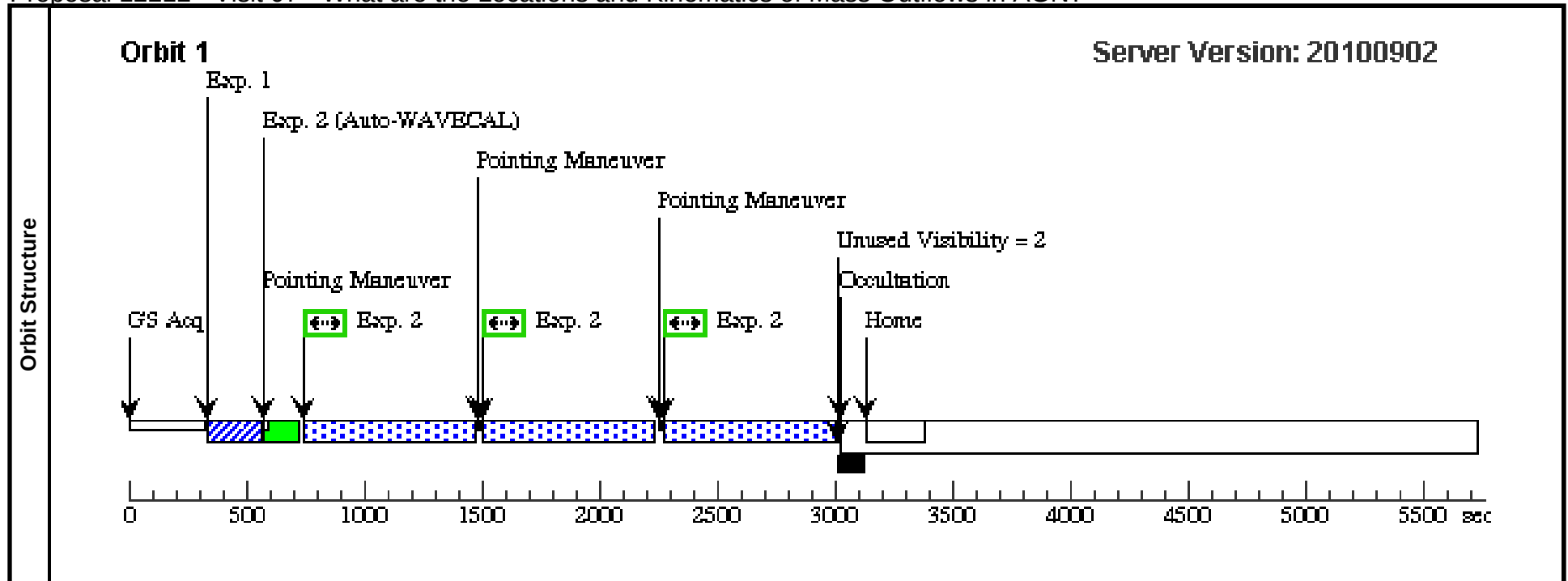
Proposal 12212 - Visit 06 - What are the Locations and Kinematics of Mass Outflows in AGN?

Visit	Proposal 12212, Visit 06, completed										Wed Apr 27 01:03:32 GMT 2011
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: STIS/CCD										
	Special Requirements: SCHED 100%; ORIENT 45D TO 65 D; ORIENT 225D TO 245 D										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=STIS-ALONG-SLIT Purpose=DITHER Number Of Points=3 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)	NGC-5548	RA: 14 17 59.5344 (214.4980600d) Dec: +25 08 12.44 (25.13679d) Equinox: J2000				V=13.3		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the NED database.										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(8) NGC-5548	STIS/CCD, ACQ, F28X50LP	MIRROR		GS ACQ SCENARI O BASE1B3		1.0 Secs		
									[==>]		[1]
	2		(8) NGC-5548	STIS/CCD, ACCUM, 52X0.2E1	G430M 5093 A	CR-SPLIT=NO		Pattern 1, Exps 2-2 i n Visit 06 (1)	697 Secs		
									[==>695.0 Secs (Pattern 1)] [==>695.0 Secs (Pattern 2)] [==>695.0 Secs (Pattern 3)]		[1]



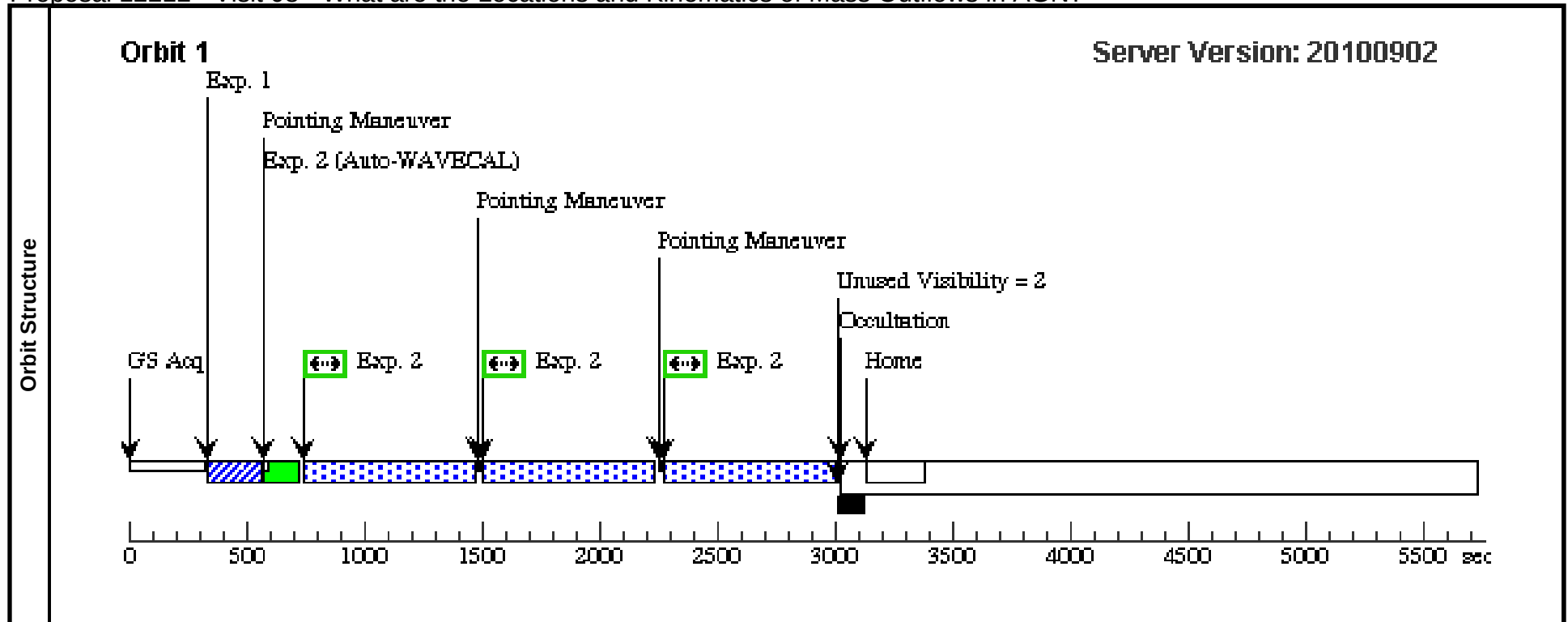
Proposal 12212 - Visit 07 - What are the Locations and Kinematics of Mass Outflows in AGN?

Visit	Proposal 12212, Visit 07, scheduling										Wed Apr 27 01:03:33 GMT 2011		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: STIS/CCD												
	Special Requirements: SCHED 100%; ORIENT 100D TO 120 D; ORIENT 280D TO 300 D												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=STIS-ALONG-SLIT Purpose=DITHER Number Of Points=3 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)	MRK-0509		RA: 20 44 9.7392 (311.0405800d) Dec: -10 43 24.53 (-10.72348d) Equinox: J2000				V=13.0		Reference Frame: ICRS			
	Comments: This object was generated by the targetselector and retrieved from the NED database.												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit	
	1		(9) MRK-0509	STIS/CCD, ACQ, F28X50LP		MIRROR				1.0 Secs			
										[==>]		[1]	
	2		(9) MRK-0509	STIS/CCD, ACCUM, 52X0.2E1		G430M	CR-SPLIT=NO		Pattern 1, Exps 2-2 i n Visit 07 (1)	697 Secs			
						5093 A				[==>695.0 Secs (Pattern 1)] [==>695.0 Secs (Pattern 2)] [==>695.0 Secs (Pattern 3)]		[1]	



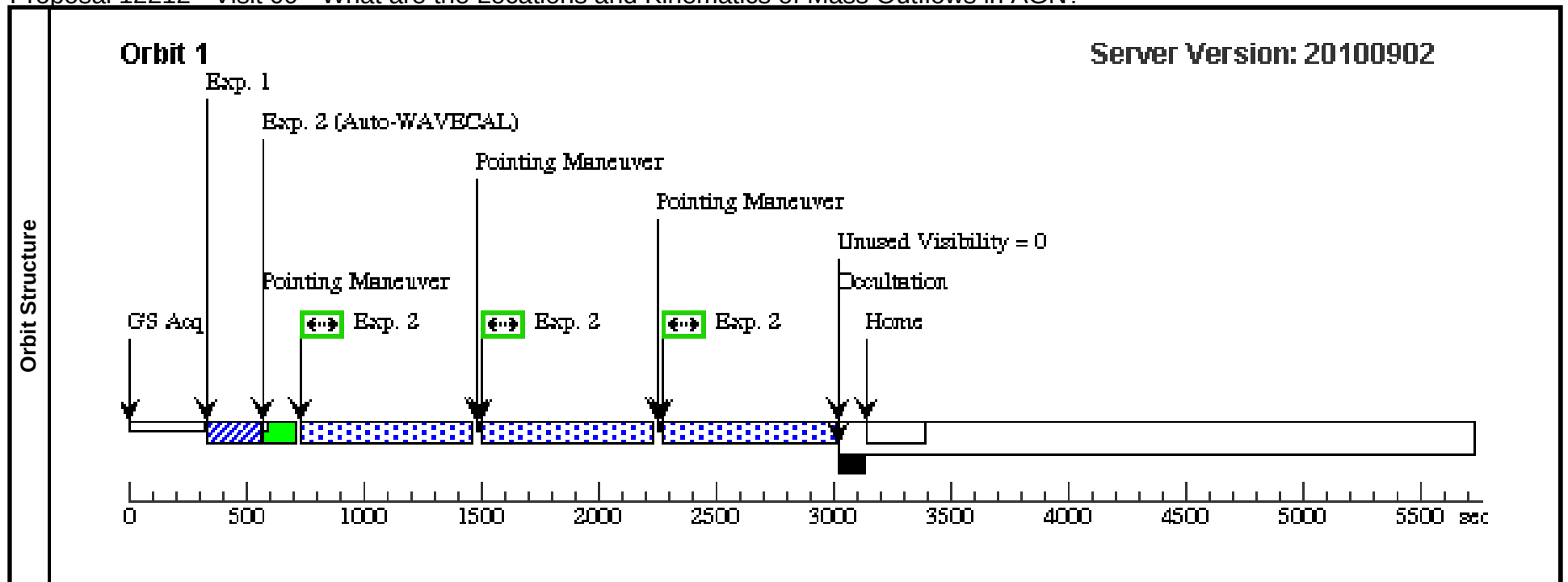
Proposal 12212 - Visit 08 - What are the Locations and Kinematics of Mass Outflows in AGN?

Visit	Proposal 12212, Visit 08, scheduling										Wed Apr 27 01:03:33 GMT 2011
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: STIS/CCD										
	Special Requirements: SCHED 100%; ORIENT 5D TO 25 D; ORIENT 185D TO 205 D										
Patterns	#	Primary Pattern					Secondary Pattern				Exposures
	(1)	Pattern Type=STIS-ALONG-SLIT		Coordinate Frame=POS-TARG							(2)
Purpose=DITHER		Pattern Orientation=90.0									
Number Of Points=3		Angle Between Sides=									
Point Spacing=0.25		Center Pattern=false									
Line Spacing=											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(10)	AKN-564	RA: 22 42 39.3456 (340.6639400d)				V=14.5		Reference Frame: ICRS		
	Dec: +29 43 31.30 (29.72536d)										
	Equinox: J2000										
Comments: This object was generated by the targetselector and retrieved from the NED database.											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(10) AKN-564	STIS/CCD, ACQ, F28X50LP	MIRROR				1.0 Secs		
									[==>]	[1]	
	2		(10) AKN-564	STIS/CCD, ACCUM, 52X0.2E1	G430M	CR-SPLIT=NO	Pattern 1, Exps 2-2 in Visit 08 (1)		697 Secs		
									[==>695.0 Secs (Pattern 1)]	[1]	
								[==>695.0 Secs (Pattern 2)]			
								[==>695.0 Secs (Pattern 3)]			



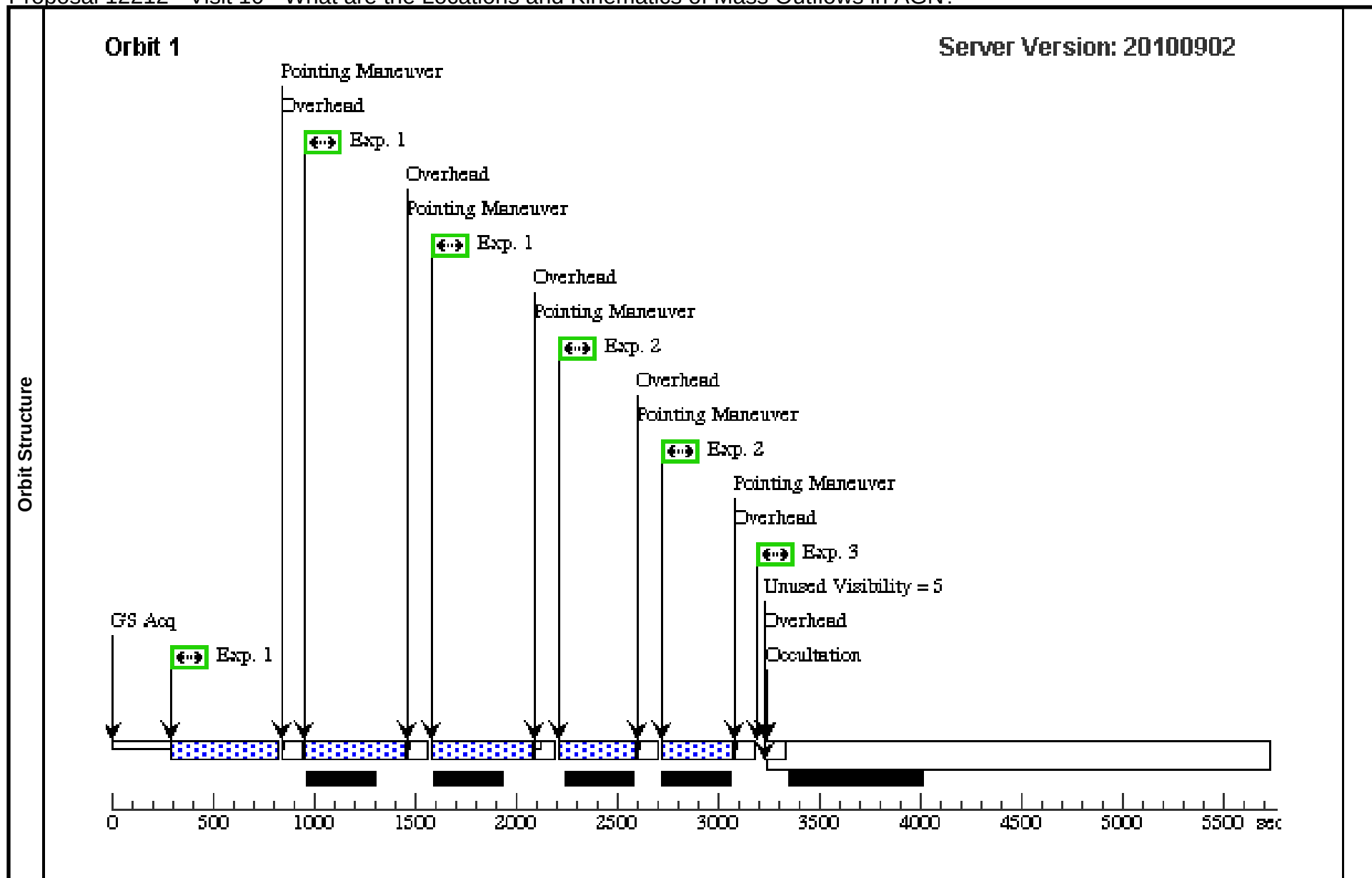
Proposal 12212 - Visit 09 - What are the Locations and Kinematics of Mass Outflows in AGN?

Visit	Proposal 12212, Visit 09, completed										Wed Apr 27 01:03:33 GMT 2011		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: STIS/CCD												
	Special Requirements: SCHED 100%; ORIENT 60D TO 80 D; ORIENT 240D TO 260 D												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=STIS-ALONG-SLIT		Coordinate Frame=POS-TARG								(2)	
Purpose=DITHER		Pattern Orientation=90.0											
Number Of Points=3		Angle Between Sides=											
Point Spacing=0.25		Center Pattern=false											
Line Spacing=													
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(11)	NGC-7469		RA: 23 03 15.6240 (345.8151000d)				V=13.0		Reference Frame: ICRS			
			Dec: +08 52 26.40 (8.87400d)										
			Equinox: J2000										
Comments: This object was generated by the targetselector and retrieved from the NED database.													
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit	
	1		(11) NGC-7469	STIS/CCD, ACQ, F28X50LP		MIRROR				1.0 Secs			
										[==>]		[1]	
	2		(11) NGC-7469	STIS/CCD, ACCUM, 52X0.1E1		G430M	CR-SPLIT=NO		Pattern 1, Exps 2-2 i n Visit 09 (1)	697 Secs			
						5093 A				[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]	



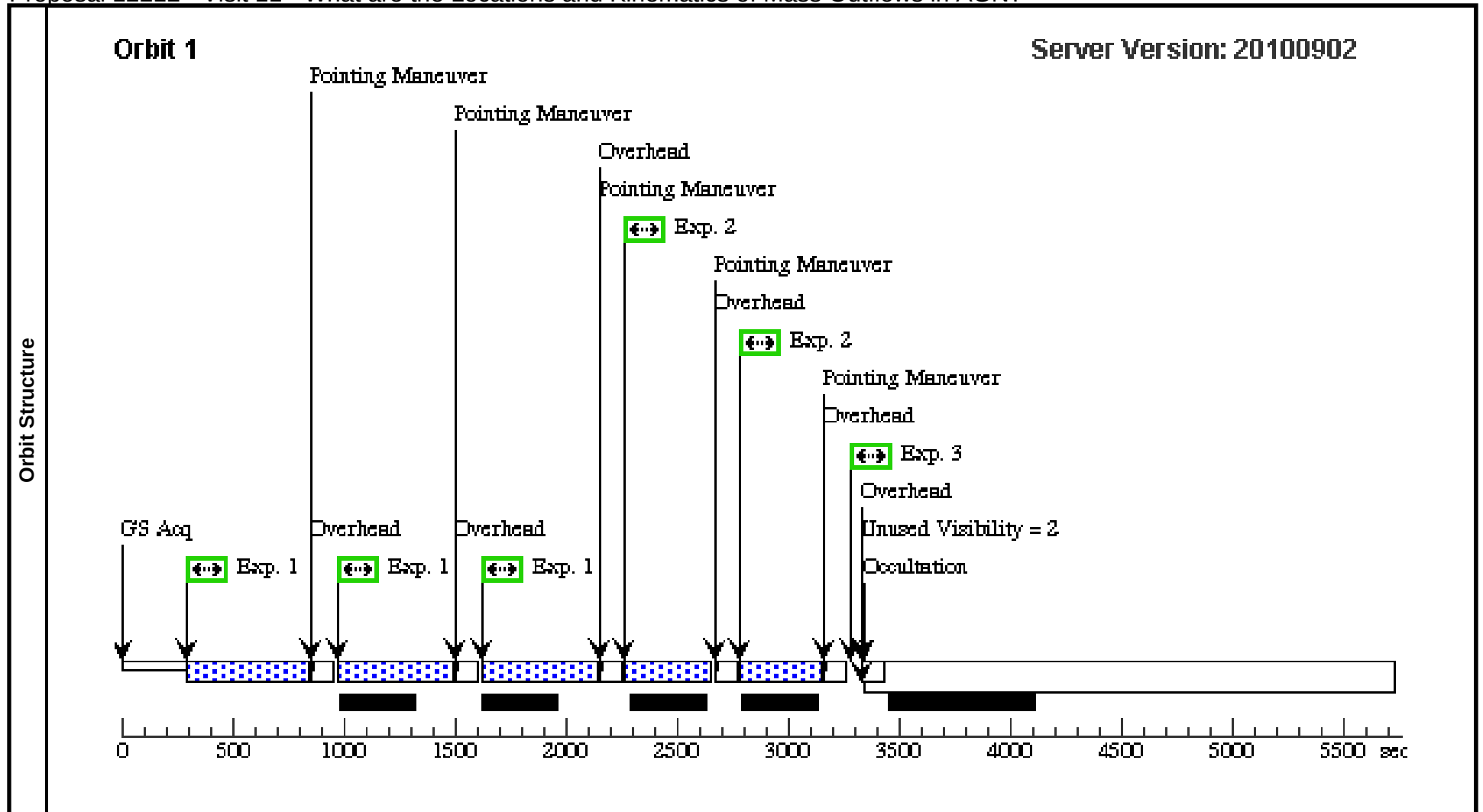
Proposal 12212 - Visit 10 - What are the Locations and Kinematics of Mass Outflows in AGN?

Visit	Proposal 12212, Visit 10, completed										Wed Apr 27 01:03:34 GMT 2011		
	Diagnostic Status: Warning												
	Scientific Instruments: WFC3/UVIS												
	Special Requirements: (none)												
Diagnostics	(Exposure 1 (Pattern 3, Exps 1-1 in Visit 10)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=					Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false					(2)	
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 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		
	(1)	MRK-1044		RA: 02 30 5.5250 (37.5230208d) Dec: -08 59 53.29 (-8.99814d) Equinox: J2000					V=15.2		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit	
	1		(1) MRK-1044	WFC3/UVIS, ACCUM, UVIS-QUAD		FQ508N			Pattern 3, Exps 1-1 in Visit 10 (3)	500 Secs			
										[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]	
	2		(1) MRK-1044	WFC3/UVIS, ACCUM, UVIS1		F547M			Pattern 2, Exps 2-2 in Visit 10 (2)	350 Secs			
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]	
	3		(1) MRK-1044	WFC3/UVIS, ACCUM, UVIS1		F547M	CR-SPLIT=NO			25 Secs			
										[==>]		[1]	



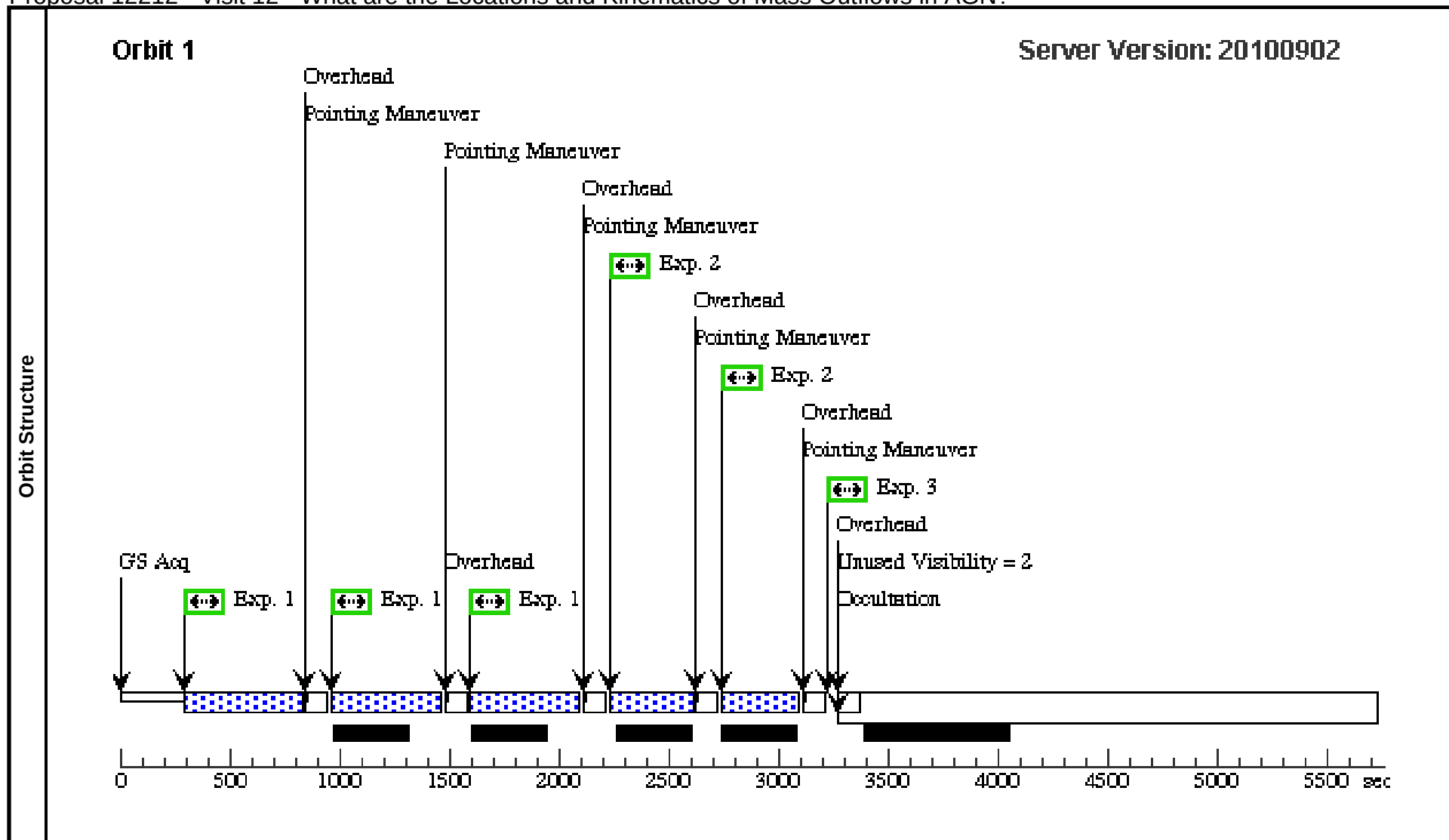
Proposal 12212 - Visit 11 - What are the Locations and Kinematics of Mass Outflows in AGN?

Visit	Proposal 12212, Visit 11, scheduling						Wed Apr 27 01:03:34 GMT 2011			
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/UVIS									
	Special Requirements: ORIENT 0D TO 165 D; ORIENT 255D TO 359 D									
Patterns	#	Primary Pattern				Secondary Pattern		Exposures		
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false				(2)		
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 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-4051	RA: 12 03 9.6144 (180.7900600d) Dec: +44 31 52.79 (44.53133d) Equinox: J2000		V=10.8	Reference Frame: ICRS				
	Comments: This object was generated by the targetselector and retrieved from the NED database.									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(4) NGC-4051	WFC3/UVIS, ACCUM, UVIS1	F502N			Pattern 3, Exps 1-1 in Visit 11 (3)	500 Secs	
									[==>518.0 Secs (Pattern 1)]	[1]
									[==>518.0 Secs (Pattern 2)]	
									[==>518.0 Secs (Pattern 3)]	
	2		(4) NGC-4051	WFC3/UVIS, ACCUM, UVIS1	F547M			Pattern 2, Exps 2-2 in Visit 11 (2)	350 Secs	
								[==>368.0 Secs (Pattern 1)]	[1]	
								[==>368.0 Secs (Pattern 2)]		
3		(4) NGC-4051	WFC3/UVIS, ACCUM, UVIS1	F547M	CR-SPLIT=NO			25 Secs		
								[==>43.0 Secs]	[1]	



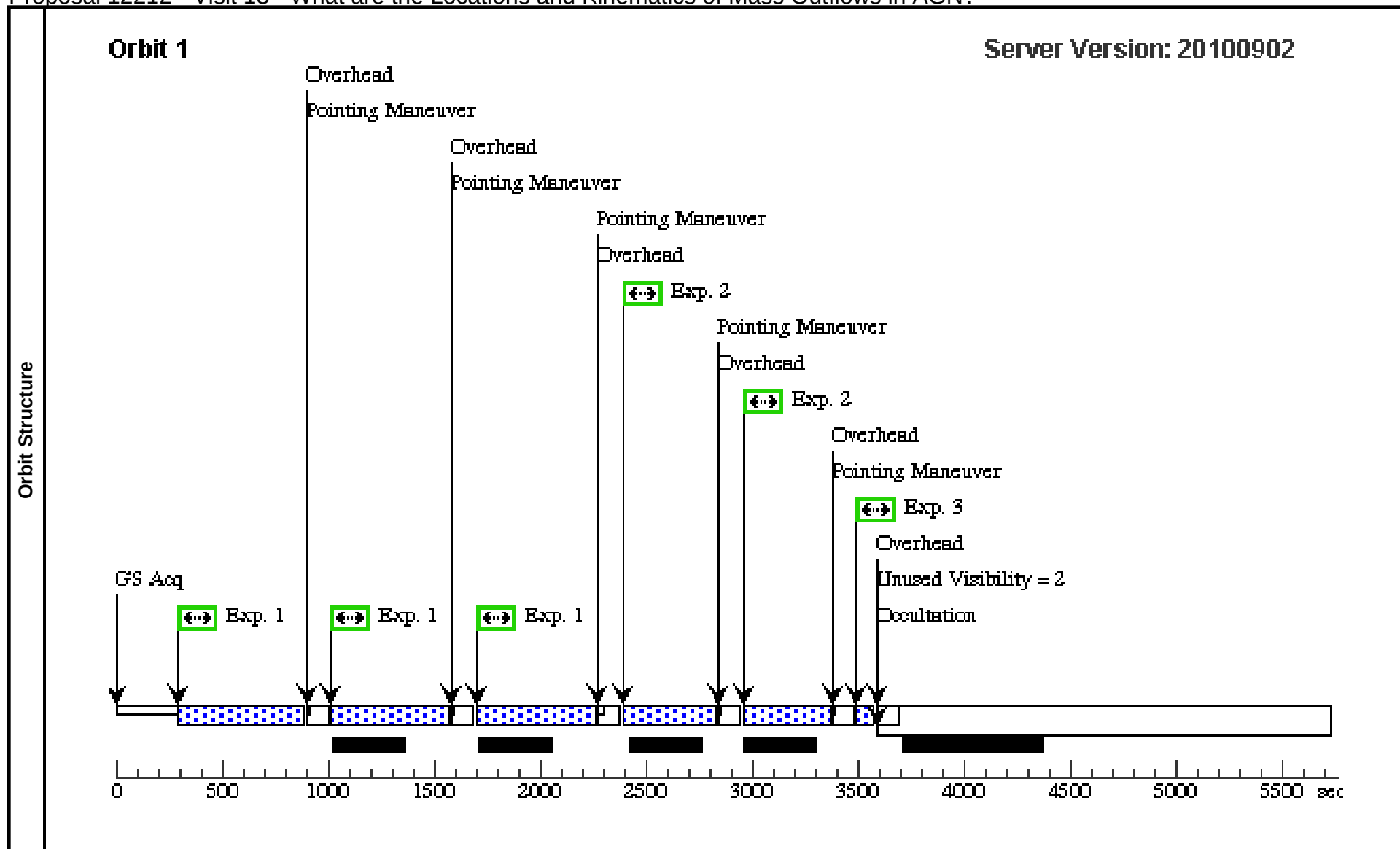
Proposal 12212 - Visit 12 - What are the Locations and Kinematics of Mass Outflows in AGN?

Visit	Proposal 12212, Visit 12, completed					Wed Apr 27 01:03:34 GMT 2011					
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFC3/UVIS										
	Special Requirements: (none)										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false						(2)	
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 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-4395	RA: 12 25 48.8664 (186.4536100d) Dec: +33 32 48.73 (33.54687d) Equinox: J2000				V=10.6		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the NED database.										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(6) NGC-4395	WFC3/UVIS, ACCUM, UVIS1	F502N			Pattern 3, Exps 1-1 in Visit 12 (3)	500 Secs		
									[==>507.0 Secs (Pattern 1)]		
									[==>507.0 Secs (Pattern 2)]		[1]
									[==>507.0 Secs (Pattern 3)]		
	2		(6) NGC-4395	WFC3/UVIS, ACCUM, UVIS1	F547M			Pattern 2, Exps 2-2 in Visit 12 (2)	350 Secs		
								[==>357.0 Secs (Pattern 1)]			
								[==>357.0 Secs (Pattern 2)]		[1]	
	3		(6) NGC-4395	WFC3/UVIS, ACCUM, UVIS1	F547M	CR-SPLIT=NO			25 Secs		
									[==>32.0 Secs]		[1]



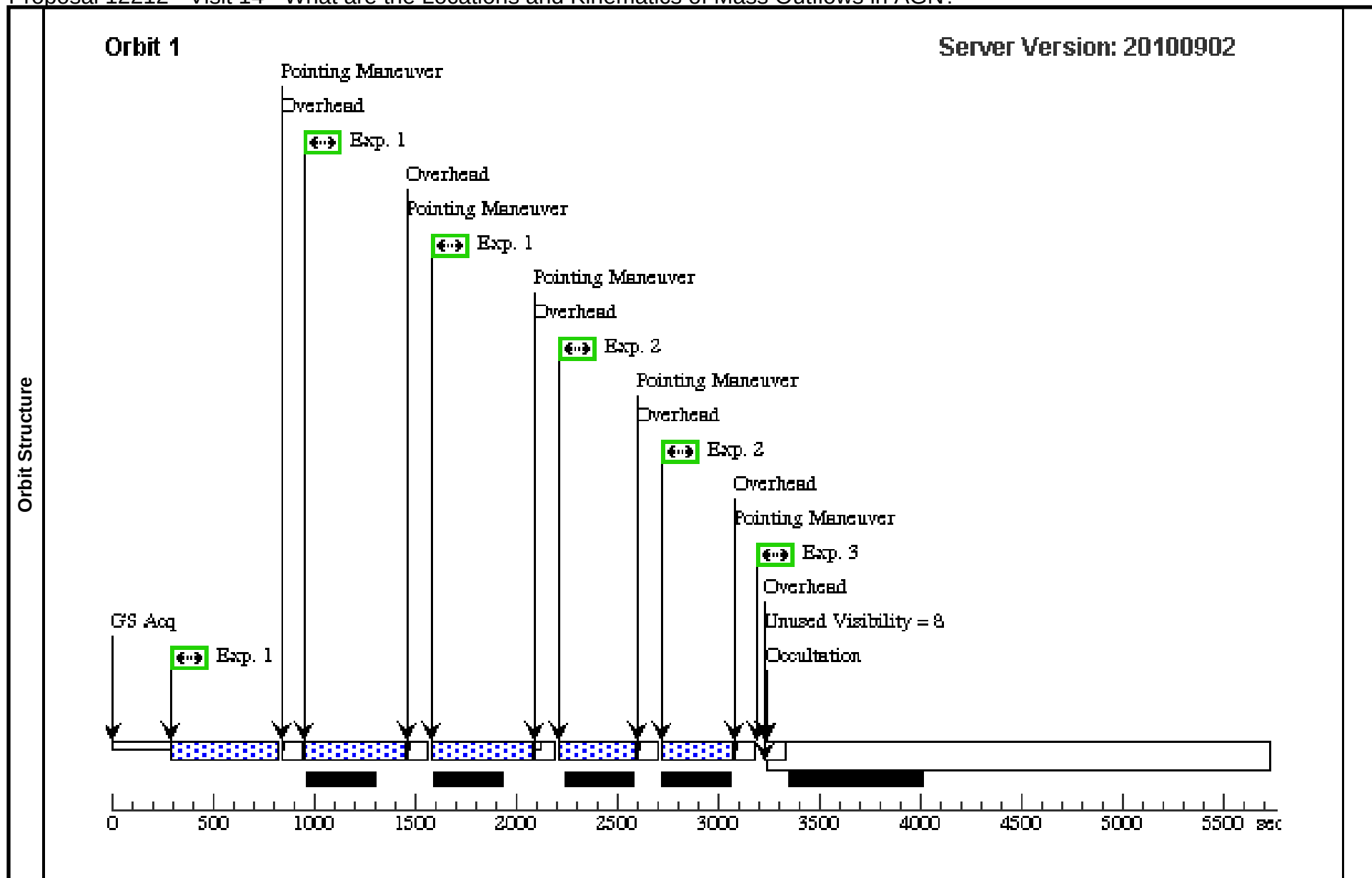
Proposal 12212 - Visit 13 - What are the Locations and Kinematics of Mass Outflows in AGN?

Visit	Proposal 12212, Visit 13, completed										Wed Apr 27 01:03:35 GMT 2011	
	Diagnostic Status: Warning											
	Scientific Instruments: WFC3/UVIS											
	Special Requirements: ORIENT 50D TO 70 D; ORIENT 180D TO 280 D											
Diagnostics	(Exposure 1 (Pattern 3, Exps 1-1 in Visit 13)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.											
Patterns	#	Primary Pattern					Secondary Pattern				Exposures	
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false									(2)	
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 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)	MRK-279		RA: 13 53 3.4464 (208.2643600d) Dec: +69 18 29.56 (69.30821d) Equinox: J2000				V=14.6		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the NED database.											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit	
	1		(7) MRK-279	WFC3/UVIS, ACCUM, UVIS-QUAD	FQ508N			Pattern 3, Exps 1-1 in Visit 13 (3)	500 Secs			
									[==>560.0 Secs (Pattern 1)]		[1]	
									[==>560.0 Secs (Pattern 2)]			
									[==>560.0 Secs (Pattern 3)]			
2		(7) MRK-279	WFC3/UVIS, ACCUM, UVIS1	F547M			Pattern 2, Exps 2-2 in Visit 13 (2)	350 Secs				
									[==>410.0 Secs (Pattern 1)]		[1]	
									[==>410.0 Secs (Pattern 2)]			
3		(7) MRK-279	WFC3/UVIS, ACCUM, UVIS1	F547M		CR-SPLIT=NO			25 Secs			
									[==>85.0 Secs]		[1]	



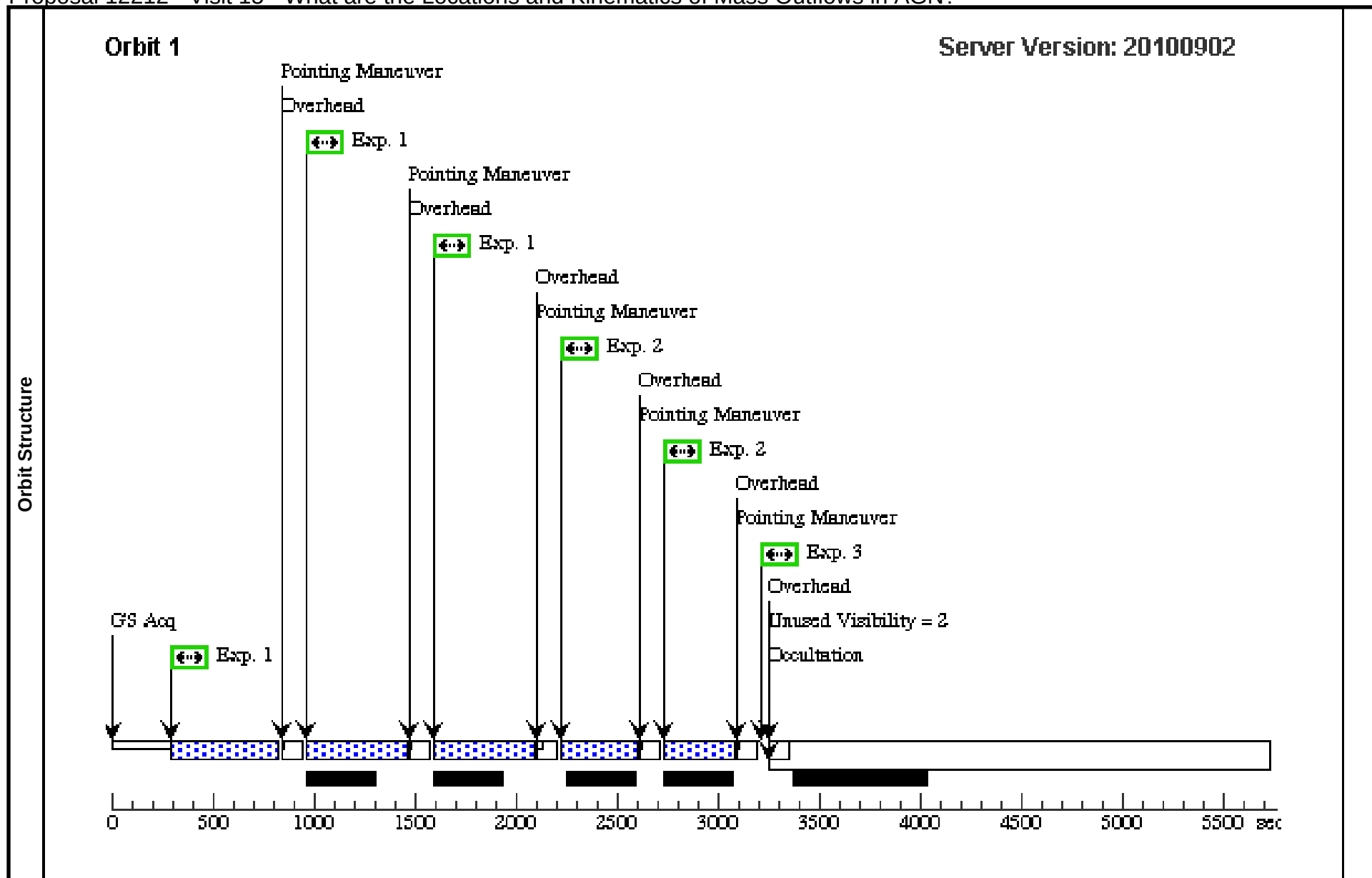
Proposal 12212 - Visit 14 - What are the Locations and Kinematics of Mass Outflows in AGN?

Visit	Proposal 12212, Visit 14, completed										Wed Apr 27 01:03:35 GMT 2011			
	Diagnostic Status: Warning													
	Scientific Instruments: WFC3/UVIS													
	Special Requirements: ORIENT 0D TO 20 D; ORIENT 90D TO 190 D; ORIENT 320D TO 340 D													
Diagnostics	(Exposure 1 (Pattern 3, Exps 1-1 in Visit 14)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.													
Patterns	#	Primary Pattern					Secondary Pattern					Exposures		
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false										(2)		
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 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			
	(9)	MRK-0509		RA: 20 44 9.7392 (311.0405800d) Dec: -10 43 24.53 (-10.72348d) Equinox: J2000					V=13.0		Reference Frame: ICRS			
	Comments: This object was generated by the targetselector and retrieved from the NED database.													
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit		
	1		(9) MRK-0509	WFC3/UVIS, ACCUM, UVIS-QUAD		FQ508N			Pattern 3, Exps 1-1 in Visit 14 (3)	500 Secs				
										[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]		
	2		(9) MRK-0509	WFC3/UVIS, ACCUM, UVIS1		F547M			Pattern 2, Exps 2-2 in Visit 14 (2)	350 Secs				
										[==>(Pattern 1)] [==>(Pattern 2)]		[1]		
	3		(9) MRK-0509	WFC3/UVIS, ACCUM, UVIS1		F547M	CR-SPLIT=NO			25 Secs				
										[==>]		[1]		



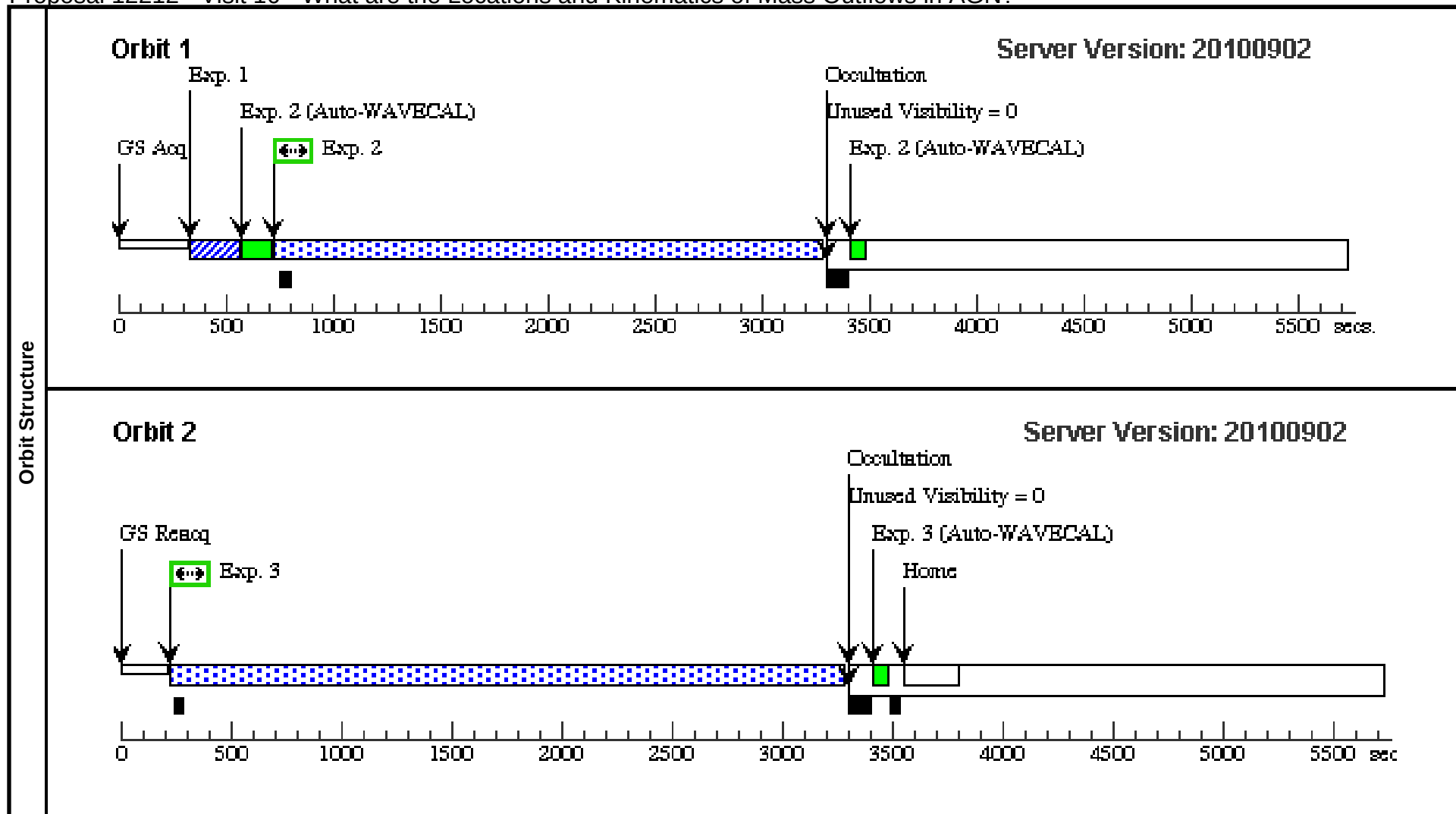
Proposal 12212 - Visit 15 - What are the Locations and Kinematics of Mass Outflows in AGN?

Visit	Proposal 12212, Visit 15, completed										Wed Apr 27 01:03:35 GMT 2011	
	Diagnostic Status: Warning											
	Scientific Instruments: WFC3/UVIS											
	Special Requirements: ORIENT 90D TO 135 D; ORIENT 200D TO 220 D; ORIENT 260D TO 280 D											
Diagnostics	(Exposure 1 (Pattern 3, Exps 1-1 in Visit 15)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.											
Patterns	#	Primary Pattern					Secondary Pattern				Exposures	
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=					Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false				(2)	
	(3)	Pattern Type=WFC3-UVIS-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 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		
	(10)	AKN-564		RA: 22 42 39.3456 (340.6639400d) Dec: +29 43 31.30 (29.72536d) Equinox: J2000				V=14.5		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the NED database.											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit	
	1		(10) AKN-564	WFC3/UVIS, ACCUM, UVIS-QUAD	FQ508N			Pattern 3, Exps 1-1 in Visit 15 (3)	500 Secs			
									[==>503.0 Secs (Pattern 1)]		[1]	
									[==>503.0 Secs (Pattern 2)]			
									[==>503.0 Secs (Pattern 3)]			
2		(10) AKN-564	WFC3/UVIS, ACCUM, UVIS1	F547M			Pattern 2, Exps 2-2 in Visit 15 (2)	350 Secs				
									[==>353.0 Secs (Pattern 1)]		[1]	
									[==>353.0 Secs (Pattern 2)]			
3		(10) AKN-564	WFC3/UVIS, ACCUM, UVIS1	F547M		CR-SPLIT=NO			25 Secs			
									[==>28.0 Secs]		[1]	



Proposal 12212 - Visit 16 - What are the Locations and Kinematics of Mass Outflows in AGN?

Visit	Proposal 12212, Visit 16, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: STIS/CCD, STIS/FUV-MAMA Special Requirements: (none)								
	Wed Apr 27 01:03:35 GMT 2011								
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(5)	NGC-4151	RA: 12 10 32.5776 (182.6357400d) Dec: +39 24 20.63 (39.40573d) Equinox: J2000 <i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i>		V=11.5	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]
	1		(5) NGC-4151	STIS/CCD, ACQ, F28X50LP	MIRROR				0.1 Secs
									[==>]
	2		(5) NGC-4151	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M				2260 Secs
					1425 A				[==>2545.0 Secs]
									[1]
	3		(5) NGC-4151	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140M				2770 Secs
					1425 A				[==>3049.0 Secs]
									[2]

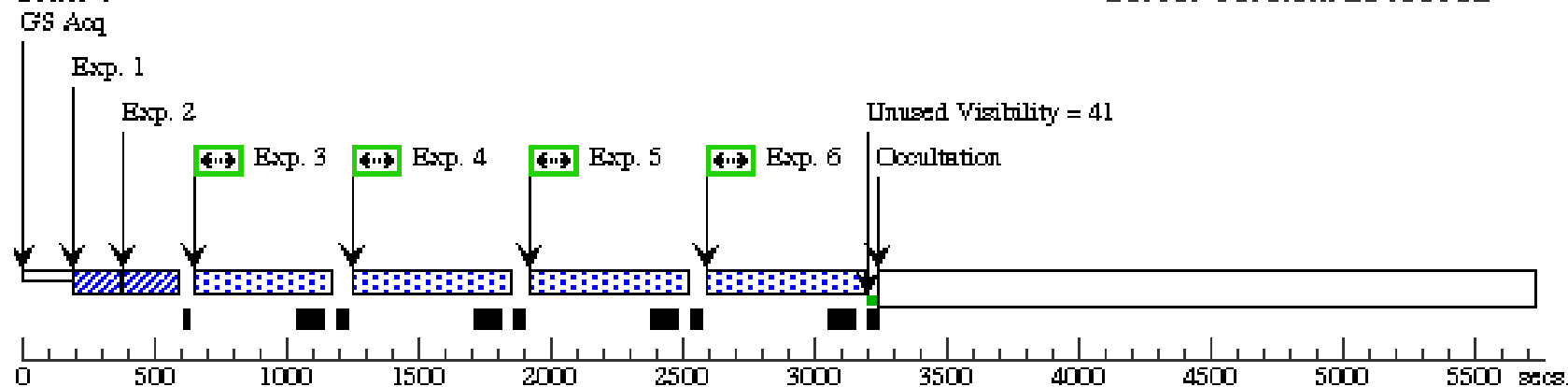


Proposal 12212 - Visit 17 - What are the Locations and Kinematics of Mass Outflows in AGN?

Visit	Proposal 12212, Visit 17, completed										Wed Apr 27 01:03:36 GMT 2011			
	Diagnostic Status: Warning													
	Scientific Instruments: COS/FUV													
	Special Requirements: (none)													
Diagnostics	(Visit 17) Warning (Form): If the target coordinates are not known to 0.4" (or better) an ACQ/SEARCH should precede the ACQ/PEAKXD.													
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections			Fluxes		Miscellaneous				
	(1)	MRK-1044	RA: 02 30 5.5250 (37.5230208d)					V=15.2		Reference Frame: ICRS				
			Dec: -08 59 53.29 (-8.99814d)											
			Equinox: J2000											
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.													
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit			
	1		(1) MRK-1044	COS/FUV, ACQ/PEAKXD, PSA	G130M				10 Secs					
					1291 A				[==>]		[1]			
	2		(1) MRK-1044	COS/FUV, ACQ/PEAKD, PSA	G130M	NUM-POS=5;			10 Secs					
					1291 A	CENTER=DEF;			[==>]		[1]			
						STEP-SIZE=1.2;								
						SEGMENT=BOTH								
	3		(1) MRK-1044	COS/FUV, TIME-TAG, PSA	G130M	BUFFER-TIME=36			460 Secs					
					1291 A	0			[==>473.0 Secs]		[1]			
	4		(1) MRK-1044	COS/FUV, TIME-TAG, PSA	G130M	BUFFER-TIME=36			460 Secs					
					1300 A	0			[==>473.0 Secs]		[1]			
	5		(1) MRK-1044	COS/FUV, TIME-TAG, PSA	G130M	BUFFER-TIME=36			460 Secs					
					1309 A	0			[==>473.0 Secs]		[1]			
	6		(1) MRK-1044	COS/FUV, TIME-TAG, PSA	G130M	BUFFER-TIME=36			460 Secs					
					1318 A	0			[==>473.0 Secs]		[1]			
	7		(1) MRK-1044	COS/FUV, TIME-TAG, PSA	G160M	BUFFER-TIME=48			580 Secs					
					1589 A	0			[==>591.0 Secs]		[2]			
	8		(1) MRK-1044	COS/FUV, TIME-TAG, PSA	G160M	BUFFER-TIME=48			580 Secs					
					1600 A	0			[==>591.0 Secs]		[2]			
	9		(1) MRK-1044	COS/FUV, TIME-TAG, PSA	G160M	BUFFER-TIME=48			580 Secs					
					1611 A	0			[==>591.0 Secs]		[2]			
	10		(1) MRK-1044	COS/FUV, TIME-TAG, PSA	G160M	BUFFER-TIME=48			580 Secs					
					1623 A	0			[==>591.0 Secs]		[2]			

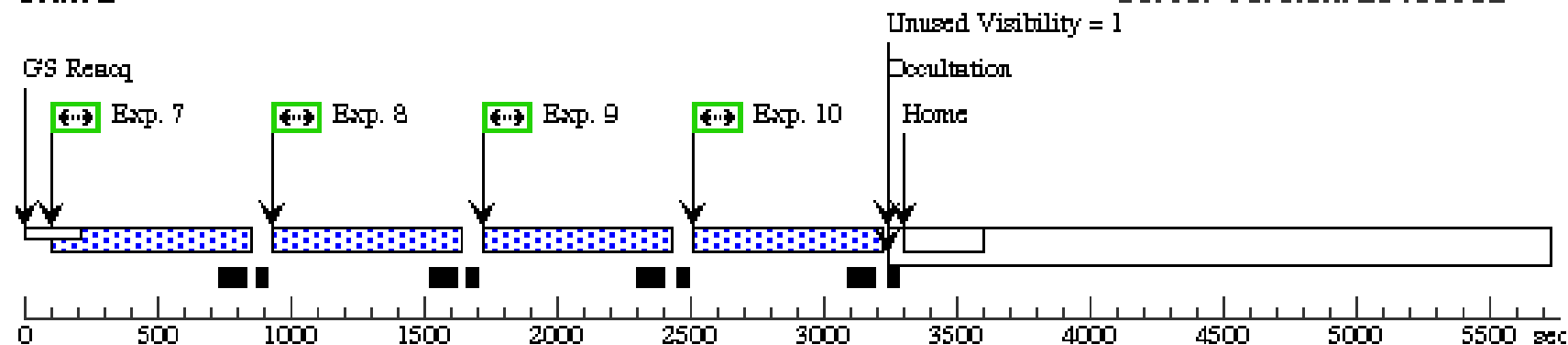
Orbit 1

Server Version: 20100902



Orbit 2

Server Version: 20100902

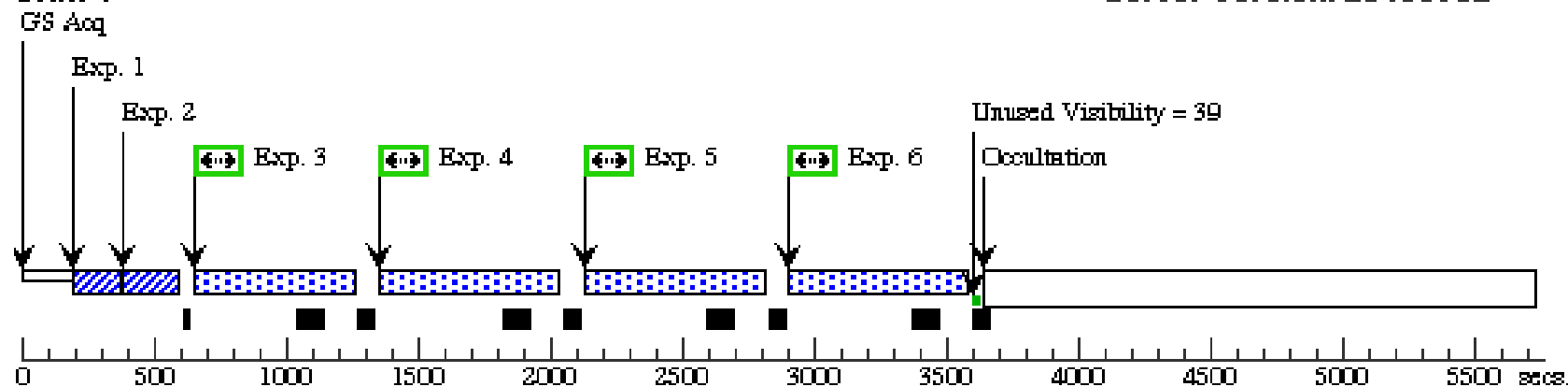


Proposal 12212 - Visit 18 - What are the Locations and Kinematics of Mass Outflows in AGN?

Visit	Proposal 12212, Visit 18, failed						Wed Apr 27 01:03:36 GMT 2011			
	Diagnostic Status: Warning									
	Scientific Instruments: COS/FUV									
	Special Requirements: (none)									
Diagnostics	(Visit 18) Warning (Form): If the target coordinates are not known to 0.4" (or better) an ACQ/SEARCH should precede the ACQ/PEAKXD.									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(2)	NGC-3516	RA: 11 06 47.4912 (166.6978800d) Dec: +72 34 6.89 (72.56858d) Equinox: J2000			V=12.5	Reference Frame: ICRS			
	Comments: This object was generated by the targetselector and retrieved from the NED database.									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(2) NGC-3516	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				10 Secs [==>]	[1]
	2		(2) NGC-3516	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	NUM-POS=5; CENTER=DEF; STEP-SIZE=1.2; SEGMENT=BOTH			10 Secs [==>]	[1]
	3		(2) NGC-3516	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=36 0			460 Secs [==>560.0 Secs]	[1]
	4		(2) NGC-3516	COS/FUV, TIME-TAG, PSA	G130M 1300 A	BUFFER-TIME=36 0			460 Secs [==>560.0 Secs]	[1]
	5		(2) NGC-3516	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=36 0			460 Secs [==>560.0 Secs]	[1]
	6		(2) NGC-3516	COS/FUV, TIME-TAG, PSA	G130M 1318 A	BUFFER-TIME=36 0			460 Secs [==>560.0 Secs]	[1]
	7		(2) NGC-3516	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=48 0			580 Secs [==>684.0 Secs]	[2]
	8		(2) NGC-3516	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=48 0			580 Secs [==>684.0 Secs]	[2]
	9		(2) NGC-3516	COS/FUV, TIME-TAG, PSA	G160M 1611 A	BUFFER-TIME=48 0			580 Secs [==>684.0 Secs]	[2]
	10		(2) NGC-3516	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=48 0			580 Secs [==>684.0 Secs]	[2]

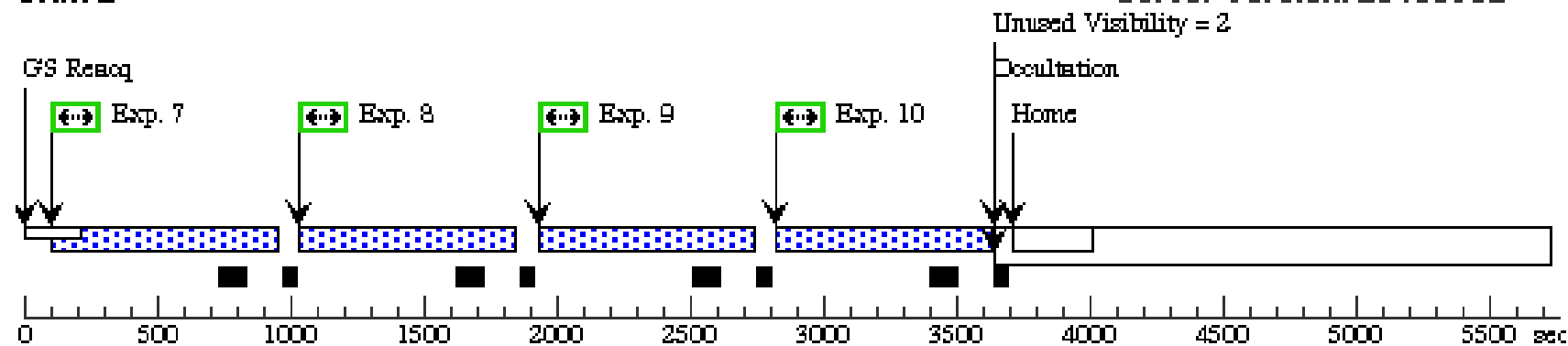
Orbit 1

Server Version: 20100902



Orbit 2

Server Version: 20100902

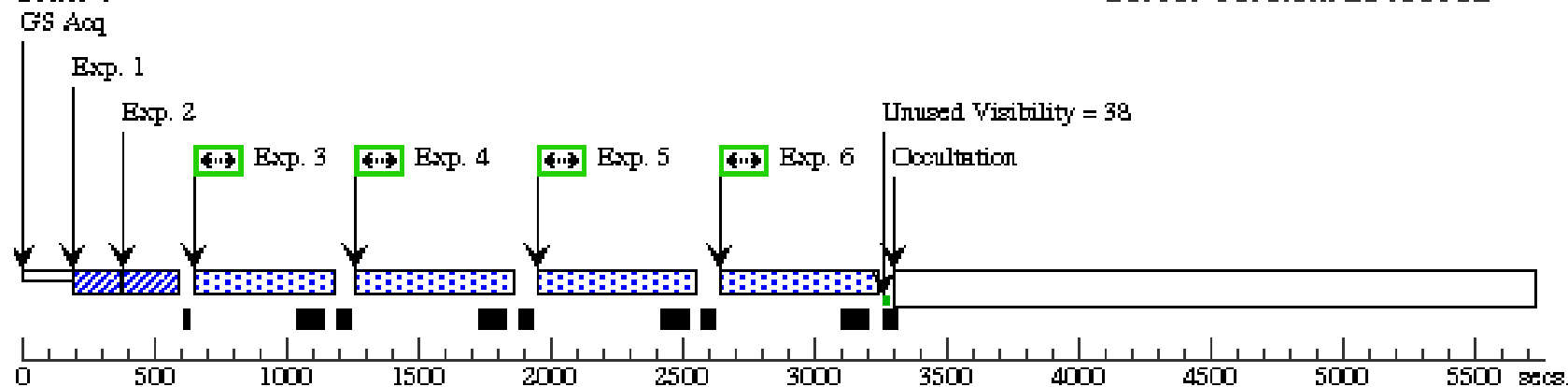


Proposal 12212 - Visit 19 - What are the Locations and Kinematics of Mass Outflows in AGN?

Visit	Proposal 12212, Visit 19, scheduling										Wed Apr 27 01:03:37 GMT 2011
	Diagnostic Status: Warning										
	Scientific Instruments: COS/FUV										
	Special Requirements: (none)										
Diagnos	(Visit 19) Warning (Form): If the target coordinates are not known to 0.4" (or better) an ACQ/SEARCH should precede the ACQ/PEAKXD.										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes		Miscellaneous		
	(3)	NGC-3783	RA: 11 39 1.7208 (174.7571700d) Dec: -37 44 18.89 (-37.73858d) Equinox: J2000				V=12.6		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the NED database.										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(3) NGC-3783	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				10 Secs [==>]		[1]
	2		(3) NGC-3783	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	NUM-POS=5; CENTER=DEF; STEP-SIZE=1.2; SEGMENT=BOTH			10 Secs [==>]		[1]
	3		(3) NGC-3783	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=36 0			460 Secs [==>481.0 Secs]		[1]
	4		(3) NGC-3783	COS/FUV, TIME-TAG, PSA	G130M 1300 A	BUFFER-TIME=36 0			460 Secs [==>481.0 Secs]		[1]
	5		(3) NGC-3783	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=36 0			460 Secs [==>481.0 Secs]		[1]
	6		(3) NGC-3783	COS/FUV, TIME-TAG, PSA	G130M 1318 A	BUFFER-TIME=36 0			460 Secs [==>481.0 Secs]		[1]
	7		(3) NGC-3783	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=48 0			580 Secs [==>606.0 Secs]		[2]
	8		(3) NGC-3783	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=48 0			580 Secs [==>606.0 Secs]		[2]
	9		(3) NGC-3783	COS/FUV, TIME-TAG, PSA	G160M 1611 A	BUFFER-TIME=48 0			580 Secs [==>606.0 Secs]		[2]
	10		(3) NGC-3783	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=48 0			580 Secs [==>606.0 Secs]		[2]

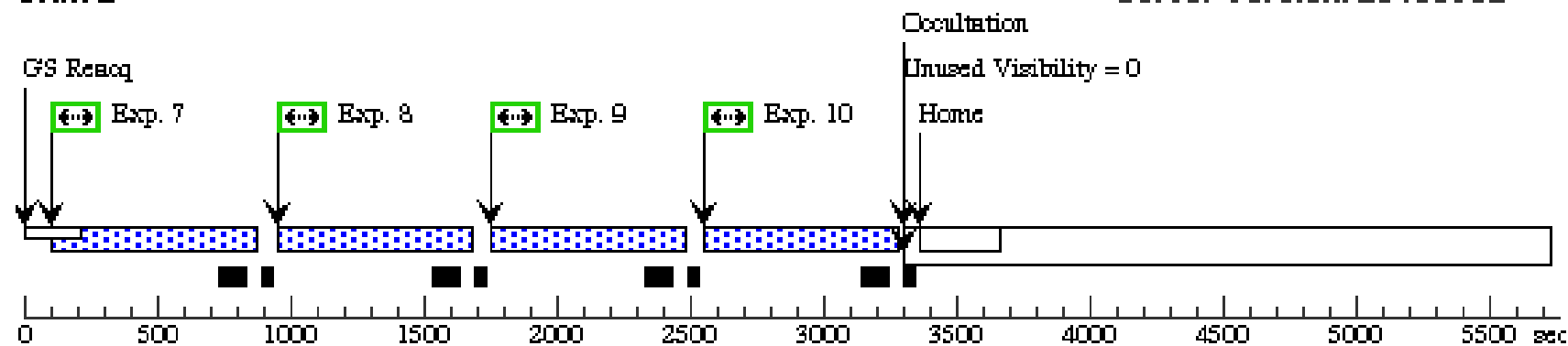
Orbit 1

Server Version: 20100902



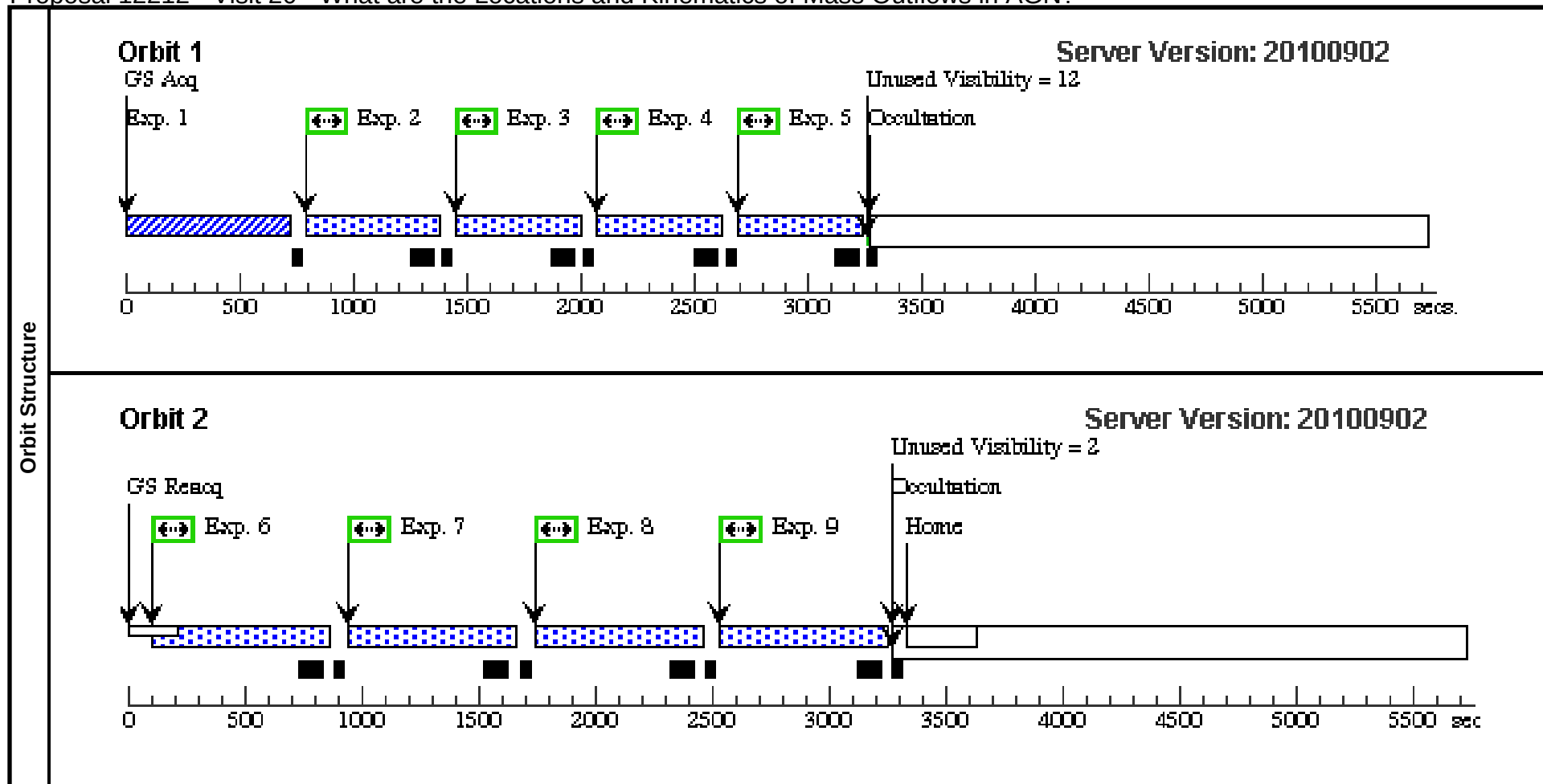
Orbit 2

Server Version: 20100902



Proposal 12212 - Visit 20 - What are the Locations and Kinematics of Mass Outflows in AGN?

Visit	Proposal 12212, Visit 20, completed								Wed Apr 27 01:03:37 GMT 2011	
	Diagnostic Status: Warning									
	Scientific Instruments: COS/NUV, COS/FUV									
	Special Requirements: (none)									
Diagnos	(Visit 20) Warning (Form): If the target coordinates are not known to 0.4" (or better) an ACQ/SEARCH should precede the ACQ/IMAGE.									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(6)	NGC-4395	RA: 12 25 48.8664 (186.4536100d) Dec: +33 32 48.73 (33.54687d) Equinox: J2000			V=10.6		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the NED database.									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(6) NGC-4395	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				150 Secs	
									[==>]	[1]
	2		(6) NGC-4395	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=32 0			420 Secs	
									[==>426.0 Secs]	[1]
	3		(6) NGC-4395	COS/FUV, TIME-TAG, PSA	G130M 1300 A	BUFFER-TIME=32 0			420 Secs	
									[==>426.0 Secs]	[1]
	4		(6) NGC-4395	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=32 0			420 Secs	
									[==>426.0 Secs]	[1]
	5		(6) NGC-4395	COS/FUV, TIME-TAG, PSA	G130M 1318 A	BUFFER-TIME=32 0			420 Secs	
									[==>426.0 Secs]	[1]
	6		(6) NGC-4395	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=48 0			580 Secs	
									[==>599.0 Secs]	[2]
	7		(6) NGC-4395	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=48 0			580 Secs	
									[==>599.0 Secs]	[2]
	8		(6) NGC-4395	COS/FUV, TIME-TAG, PSA	G160M 1611 A	BUFFER-TIME=48 0			580 Secs	
									[==>599.0 Secs]	[2]
	9		(6) NGC-4395	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=48 0			580 Secs	
									[==>599.0 Secs]	[2]

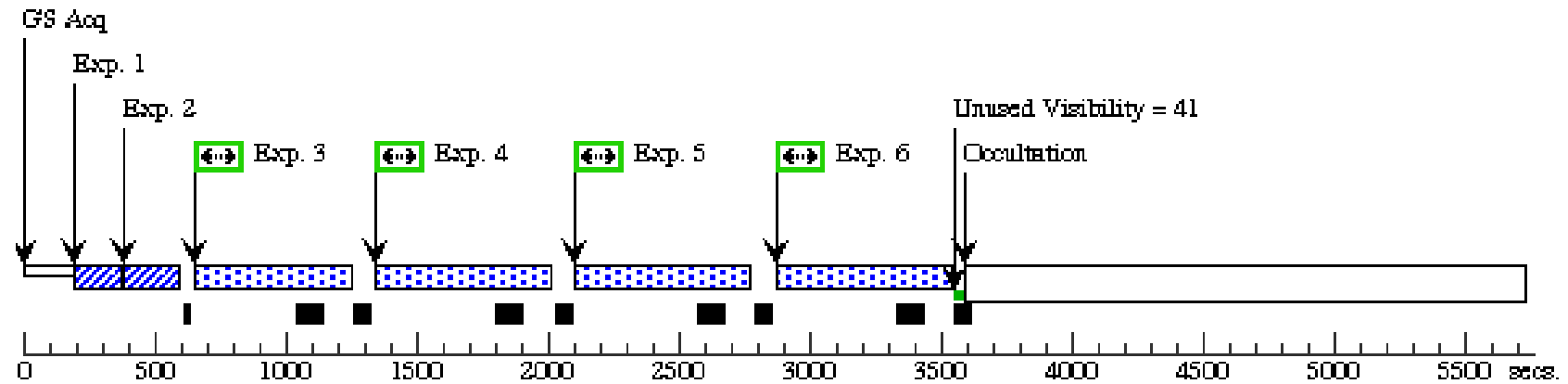


Proposal 12212 - Visit 21 - What are the Locations and Kinematics of Mass Outflows in AGN?

Visit	Proposal 12212, Visit 21, scheduling										Wed Apr 27 01:03:37 GMT 2011			
	Diagnostic Status: Warning													
	Scientific Instruments: COS/FUV													
	Special Requirements: (none)													
Diagnostics	(Visit 21) Warning (Form): If the target coordinates are not known to 0.4" (or better) an ACQ/SEARCH should precede the ACQ/PEAKXD.													
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes		Miscellaneous					
	(7)	MRK-279	RA: 13 53 3.4464 (208.2643600d) Dec: +69 18 29.56 (69.30821d) Equinox: J2000				V=14.6		Reference Frame: ICRS					
Comments: This object was generated by the targetselector and retrieved from the NED database.														
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit			
	1		(7) MRK-279	COS/FUV, ACQ/PEAKXD, PSA	G130M				10 Secs					
					1291 A				[==>]		[1]			
	2		(7) MRK-279	COS/FUV, ACQ/PEAKD, PSA	G130M	NUM-POS=5;			10 Secs					
					1291 A	CENTER=DEF;			[==>]		[1]			
						STEP-SIZE=1.2;								
						SEGMENT=BOTH								
	3		(7) MRK-279	COS/FUV, TIME-TAG, PSA	G130M	BUFFER-TIME=36				460 Secs				
					1291 A	0				[==>548.0 Secs]		[1]		
	4		(7) MRK-279	COS/FUV, TIME-TAG, PSA	G130M	BUFFER-TIME=36				460 Secs				
					1300 A	0				[==>548.0 Secs]		[1]		
	5		(7) MRK-279	COS/FUV, TIME-TAG, PSA	G130M	BUFFER-TIME=36				460 Secs				
					1309 A	0				[==>548.0 Secs]		[1]		
	6		(7) MRK-279	COS/FUV, TIME-TAG, PSA	G130M	BUFFER-TIME=36				460 Secs				
				1318 A	0				[==>548.0 Secs]		[1]			
7		(7) MRK-279	COS/FUV, TIME-TAG, PSA	G160M	BUFFER-TIME=48				580 Secs					
				1589 A	0				[==>673.0 Secs]		[2]			
8		(7) MRK-279	COS/FUV, TIME-TAG, PSA	G160M	BUFFER-TIME=48				580 Secs					
				1600 A	0				[==>673.0 Secs]		[2]			
9		(7) MRK-279	COS/FUV, TIME-TAG, PSA	G160M	BUFFER-TIME=48				580 Secs					
				1611 A	0				[==>673.0 Secs]		[2]			
10		(7) MRK-279	COS/FUV, TIME-TAG, PSA	G160M	BUFFER-TIME=48				580 Secs					
				1623 A	0				[==>673.0 Secs]		[2]			

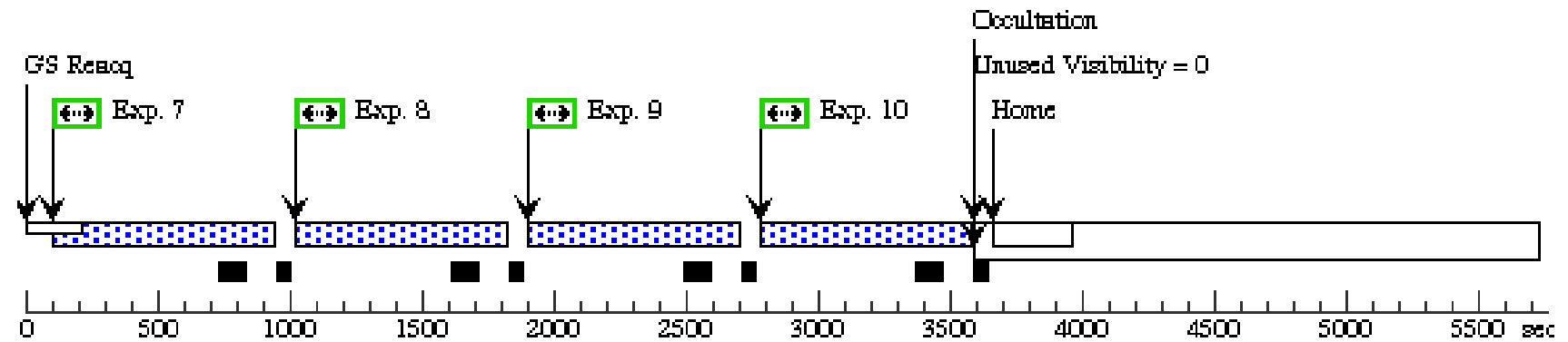
Orbit 1

Server Version: 20100902



Orbit 2

Server Version: 20100902

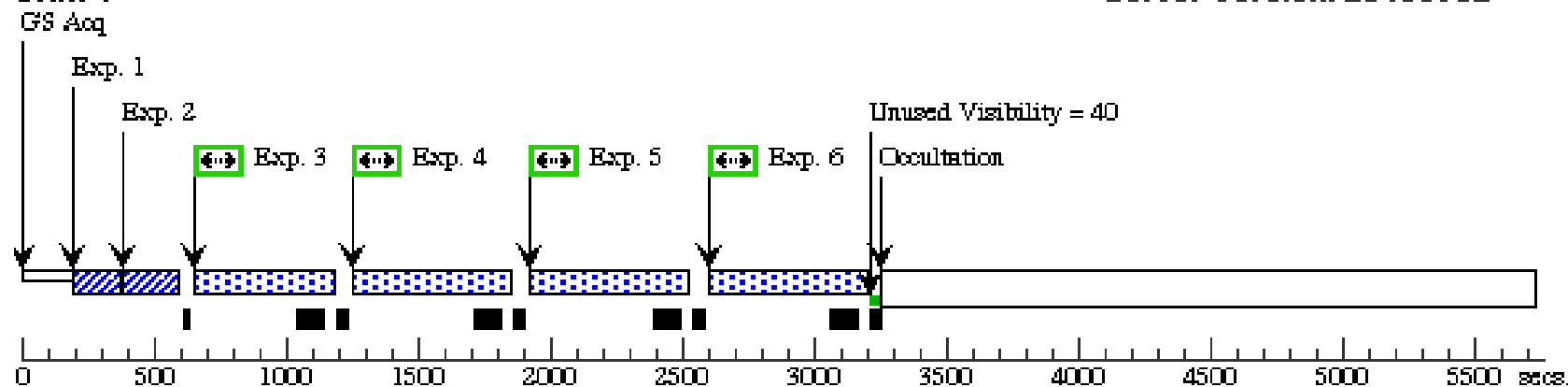


Proposal 12212 - Visit 22 - What are the Locations and Kinematics of Mass Outflows in AGN?

Visit	Proposal 12212, Visit 22, scheduling								Wed Apr 27 01:03:38 GMT 2011	
	Diagnostic Status: Warning									
	Scientific Instruments: COS/FUV									
	Special Requirements: (none)									
Diagnostics	(Visit 22) Warning (Form): If the target coordinates are not known to 0.4" (or better) an ACQ/SEARCH should precede the ACQ/PEAKXD.									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(8)	NGC-5548	RA: 14 17 59.5344 (214.4980600d) Dec: +25 08 12.44 (25.13679d) Equinox: J2000			V=13.3		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the NED database.									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(8) NGC-5548	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				10 Secs [==>]	[1]
	2		(8) NGC-5548	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	NUM-POS=5; CENTER=DEF; STEP-SIZE=1.2; SEGMENT=BOTH			10 Secs [==>]	[1]
	3		(8) NGC-5548	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=36 0			460 Secs [==>477.0 Secs]	[1]
	4		(8) NGC-5548	COS/FUV, TIME-TAG, PSA	G130M 1300 A	BUFFER-TIME=36 0			460 Secs [==>477.0 Secs]	[1]
	5		(8) NGC-5548	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=36 0			460 Secs [==>477.0 Secs]	[1]
	6		(8) NGC-5548	COS/FUV, TIME-TAG, PSA	G130M 1318 A	BUFFER-TIME=36 0			460 Secs [==>477.0 Secs]	[1]
	7		(8) NGC-5548	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=48 0			580 Secs [==>595.0 Secs]	[2]
	8		(8) NGC-5548	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=48 0			580 Secs [==>595.0 Secs]	[2]
	9		(8) NGC-5548	COS/FUV, TIME-TAG, PSA	G160M 1611 A	BUFFER-TIME=48 0			580 Secs [==>595.0 Secs]	[2]
	10		(8) NGC-5548	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=48 0			580 Secs [==>595.0 Secs]	[2]

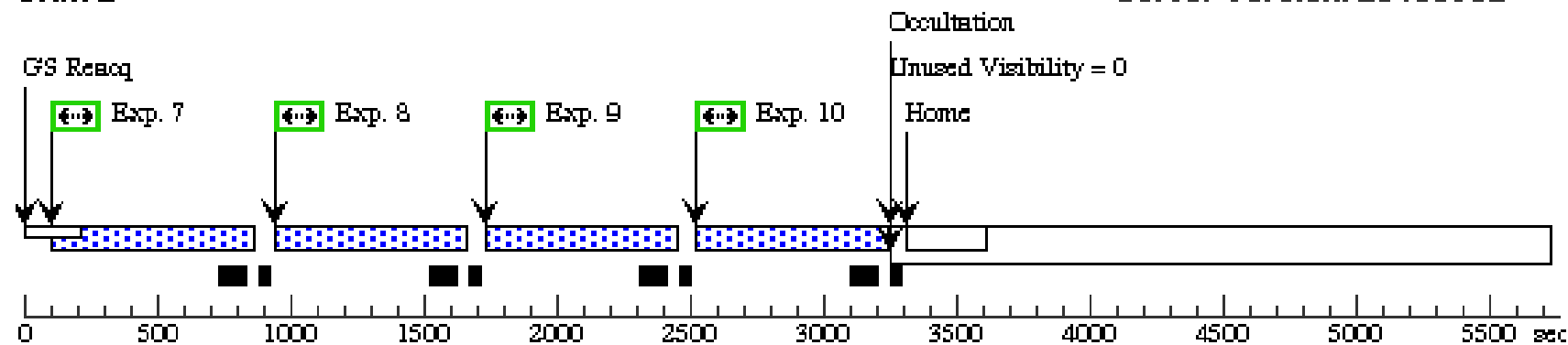
Orbit 1

Server Version: 20100902



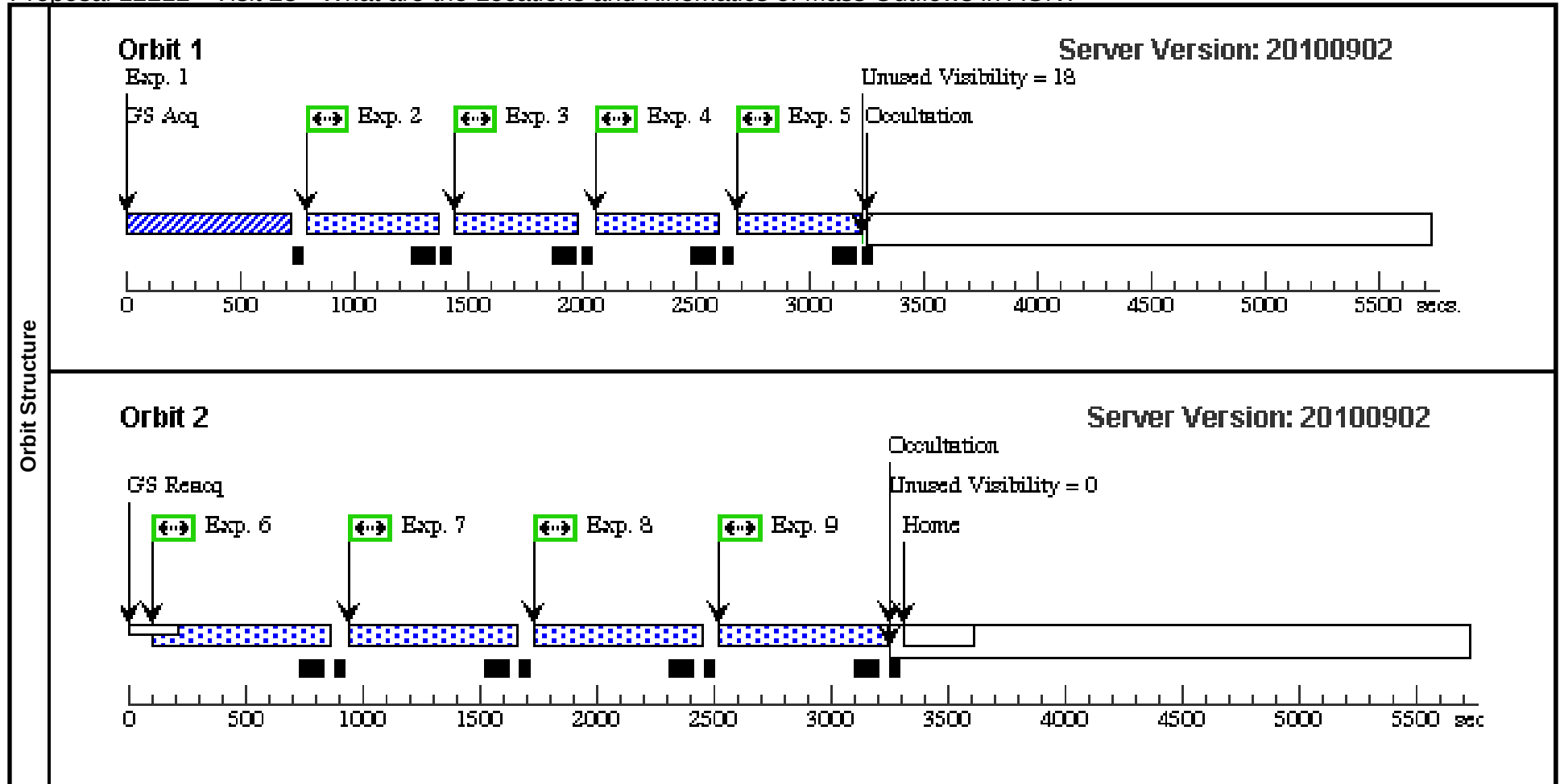
Orbit 2

Server Version: 20100902



Proposal 12212 - Visit 23 - What are the Locations and Kinematics of Mass Outflows in AGN?

Visit	Proposal 12212, Visit 23, failed								Wed Apr 27 01:03:38 GMT 2011	
	Diagnostic Status: Warning									
	Scientific Instruments: COS/NUV, COS/FUV									
	Special Requirements: (none)									
Diagnostics	(Visit 23) Warning (Form): If the target coordinates are not known to 0.4" (or better) an ACQ/SEARCH should precede the ACQ/IMAGE.									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(10)	AKN-564	RA: 22 42 39.3456 (340.6639400d) Dec: +29 43 31.30 (29.72536d) Equinox: J2000			V=14.5		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the NED database.									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(10) AKN-564	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				150 Secs	
									[==>]	[1]
	2		(10) AKN-564	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=32 0			420 Secs	
									[==>]	[1]
	3		(10) AKN-564	COS/FUV, TIME-TAG, PSA	G130M 1300 A	BUFFER-TIME=32 0			420 Secs	
									[==>]	[1]
	4		(10) AKN-564	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=32 0			420 Secs	
									[==>]	[1]
	5		(10) AKN-564	COS/FUV, TIME-TAG, PSA	G130M 1318 A	BUFFER-TIME=32 0			420 Secs	
									[==>]	[1]
	6		(10) AKN-564	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=48 0			580 Secs	
									[==>595.0 Secs]	[2]
	7		(10) AKN-564	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=48 0			580 Secs	
									[==>595.0 Secs]	[2]
	8		(10) AKN-564	COS/FUV, TIME-TAG, PSA	G160M 1611 A	BUFFER-TIME=48 0			580 Secs	
									[==>595.0 Secs]	[2]
	9		(10) AKN-564	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=48 0			580 Secs	
									[==>595.0 Secs]	[2]

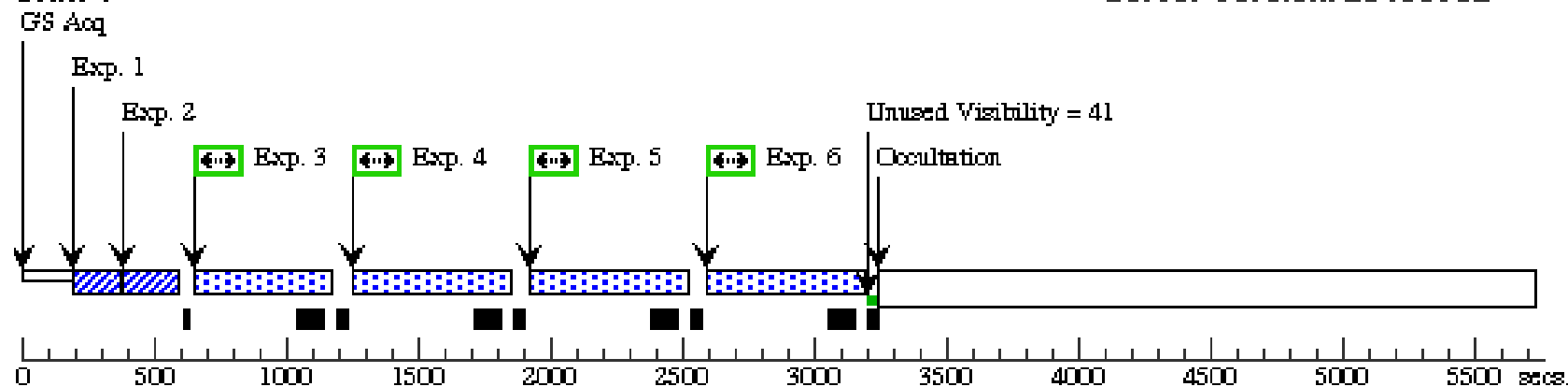


Proposal 12212 - Visit 24 - What are the Locations and Kinematics of Mass Outflows in AGN?

Visit	Proposal 12212, Visit 24, completed						Wed Apr 27 01:03:38 GMT 2011			
	Diagnostic Status: Warning									
	Scientific Instruments: COS/FUV									
	Special Requirements: (none)									
Diagnostics	(Visit 24) Warning (Form): If the target coordinates are not known to 0.4" (or better) an ACQ/SEARCH should precede the ACQ/PEAKXD.									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(11)	NGC-7469	RA: 23 03 15.6240 (345.8151000d) Dec: +08 52 26.40 (8.87400d) Equinox: J2000			V=13.0	Reference Frame: ICRS			
	Comments: This object was generated by the targetselector and retrieved from the NED database.									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(11) NGC-7469	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				10 Secs [==>]	[1]
	2		(11) NGC-7469	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	NUM-POS=5; CENTER=DEF; STEP-SIZE=1.2; SEGMENT=BOTH			10 Secs [==>]	[1]
	3		(11) NGC-7469	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=36 0			460 Secs [==>473.0 Secs]	[1]
	4		(11) NGC-7469	COS/FUV, TIME-TAG, PSA	G130M 1300 A	BUFFER-TIME=36 0			460 Secs [==>473.0 Secs]	[1]
	5		(11) NGC-7469	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=36 0			460 Secs [==>473.0 Secs]	[1]
	6		(11) NGC-7469	COS/FUV, TIME-TAG, PSA	G130M 1318 A	BUFFER-TIME=36 0			460 Secs [==>473.0 Secs]	[1]
	7		(11) NGC-7469	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=48 0			580 Secs [==>591.0 Secs]	[2]
	8		(11) NGC-7469	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=48 0			580 Secs [==>591.0 Secs]	[2]
	9		(11) NGC-7469	COS/FUV, TIME-TAG, PSA	G160M 1611 A	BUFFER-TIME=48 0			580 Secs [==>591.0 Secs]	[2]
	10		(11) NGC-7469	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=48 0			580 Secs [==>591.0 Secs]	[2]

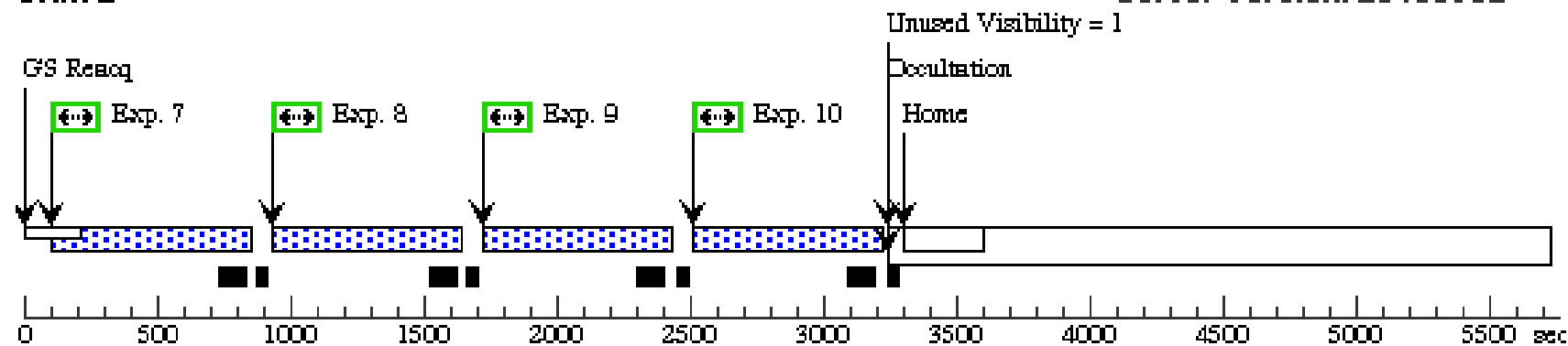
Orbit 1

Server Version: 20100902



Orbit 2

Server Version: 20100902

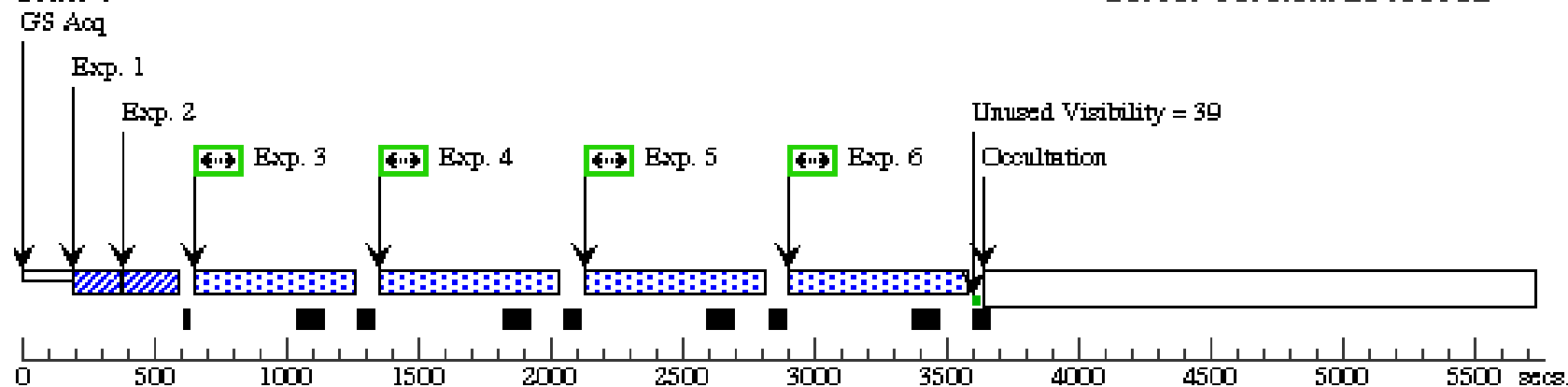


Proposal 12212 - Visit 58 - What are the Locations and Kinematics of Mass Outflows in AGN?

Visit	Proposal 12212, Visit 58, completed Diagnostic Status: Warning Scientific Instruments: COS/FUV Special Requirements: (none) Comments: This is a copy of visit 18 which failed because of a SDF failure.										Wed Apr 27 01:03:39 GMT 2011
	(Visit 58) Warning (Form): If the target coordinates are not known to 0.4" (or better) an ACQ/SEARCH should precede the ACQ/PEAKXD.										
Fixed Targets	# Name Target Coordinates Targ. Coord. Corrections Fluxes Miscellaneous (2) NGC-3516 RA: 11 06 47.4912 (166.6978800d) Dec: +72 34 6.89 (72.56858d) Equinox: J2000 V=12.5 Reference Frame: ICRS Comments: This object was generated by the targetselector and retrieved from the NED database.										
	# Label Target Config,Mode,Aperture Spectral Els. Opt. Params. Special Reqs. Groups Exp. Time/[Actual Dur.] Orbit 1 (2) NGC-3516 COS/FUV, ACQ/PEAKXD, PSA G130M 1291 A 10 Secs [==>] [1] 2 (2) NGC-3516 COS/FUV, ACQ/PEAKD, PSA G130M 1291 A NUM-POS=5; CENTER=DEF; STEP-SIZE=1.2; SEGMENT=BOTH 10 Secs [==>] [1] 3 (2) NGC-3516 COS/FUV, TIME-TAG, PSA G130M 1291 A BUFFER-TIME=36 0 460 Secs [==>560.0 Secs] [1] 4 (2) NGC-3516 COS/FUV, TIME-TAG, PSA G130M 1300 A BUFFER-TIME=36 0 460 Secs [==>560.0 Secs] [1] 5 (2) NGC-3516 COS/FUV, TIME-TAG, PSA G130M 1309 A BUFFER-TIME=36 0 460 Secs [==>560.0 Secs] [1] 6 (2) NGC-3516 COS/FUV, TIME-TAG, PSA G130M 1318 A BUFFER-TIME=36 0 460 Secs [==>560.0 Secs] [1] 7 (2) NGC-3516 COS/FUV, TIME-TAG, PSA G160M 1589 A BUFFER-TIME=48 0 580 Secs [==>684.0 Secs] [2] 8 (2) NGC-3516 COS/FUV, TIME-TAG, PSA G160M 1600 A BUFFER-TIME=48 0 580 Secs [==>684.0 Secs] [2] 9 (2) NGC-3516 COS/FUV, TIME-TAG, PSA G160M 1611 A BUFFER-TIME=48 0 580 Secs [==>684.0 Secs] [2] 10 (2) NGC-3516 COS/FUV, TIME-TAG, PSA G160M 1623 A BUFFER-TIME=48 0 580 Secs [==>684.0 Secs] [2]										

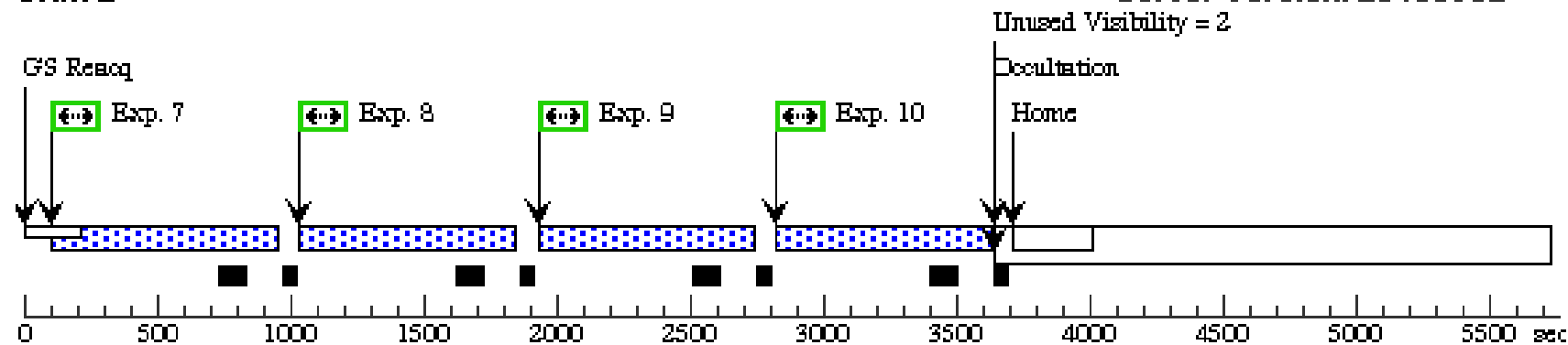
Orbit 1

Server Version: 20100902



Orbit 2

Server Version: 20100902



Proposal 12212 - Visit 63 - What are the Locations and Kinematics of Mass Outflows in AGN?

Visit	Proposal 12212, Visit 63, completed										Wed Apr 27 01:03:39 GMT 2011	
	Diagnostic Status: Warning											
	Scientific Instruments: COS/NUV, COS/FUV											
	Special Requirements: (none)											
Comments: This is a copy of visit 23 which failed due to a SDF failure.												
Diagnostics	(Visit 63) Warning (Form): If the target coordinates are not known to 0.4" (or better) an ACQ/SEARCH should precede the ACQ/IMAGE.											
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes		Miscellaneous			
	(10)	AKN-564	RA: 22 42 39.3456 (340.6639400d) Dec: +29 43 31.30 (29.72536d) Equinox: J2000				V=14.5		Reference Frame: ICRS			
Comments: This object was generated by the targetselector and retrieved from the NED database.												
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit	
	1		(10) AKN-564	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				150 Secs			
									[==>]		[1]	
	2		(10) AKN-564	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=32 0			420 Secs			
									[==>]		[1]	
	3		(10) AKN-564	COS/FUV, TIME-TAG, PSA	G130M 1300 A	BUFFER-TIME=32 0			420 Secs			
									[==>]		[1]	
	4		(10) AKN-564	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=32 0			420 Secs			
									[==>]		[1]	
	5		(10) AKN-564	COS/FUV, TIME-TAG, PSA	G130M 1318 A	BUFFER-TIME=32 0			420 Secs			
									[==>]		[1]	
	6		(10) AKN-564	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=48 0			580 Secs			
									[==>595.0 Secs]		[2]	
	7		(10) AKN-564	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=48 0			580 Secs			
									[==>595.0 Secs]		[2]	
	8		(10) AKN-564	COS/FUV, TIME-TAG, PSA	G160M 1611 A	BUFFER-TIME=48 0			580 Secs			
									[==>595.0 Secs]		[2]	
	9		(10) AKN-564	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=48 0			580 Secs			
									[==>595.0 Secs]		[2]	

