



12367 - Monitoring M31 for BHXNe

Cycle: 18, Proposal Category: GO

(Availability Mode: SUPPORTED)

INVESTIGATORS

<i>Name</i>	<i>Institution</i>	<i>E-Mail</i>
Dr. Michael R. Garcia (PI)	Smithsonian Institution Astrophysical Observatory	garcia@cfa.harvard.edu
Dr. Nakisa Noraee (CoI) (ESA Member)	Dublin Institute For Advanced Studies	nnoraee@dias.ie
Dr. Stephen S. Murray (CoI)	Smithsonian Institution Astrophysical Observatory	smurray@cfa.harvard.edu
Dr. Paul Callanan (CoI) (ESA Member)	University College Cork	paulc@ucc.ie
Dr. Francis Primini (CoI)	Smithsonian Institution Astrophysical Observatory	fap@head-cfa.harvard.edu
Dr. Robin Barnard (CoI)	Harvard University	rbarnard@cfa.harvard.edu

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>
05	(1) M31-CORE	ACS/WFC	2	29-Aug-2011 21:26:49.0	yes
10	(2) M31-CORE-COPY	ACS/WFC	2	29-Aug-2011 21:26:57.0	yes

4 Total Orbits Used

ABSTRACT

We are continuing our C17 program, and will target a single bright x-ray nova in the bulge of M31.

This is a joint program with Chandra, and the Chandra AO12 TAC assigned the HST time.

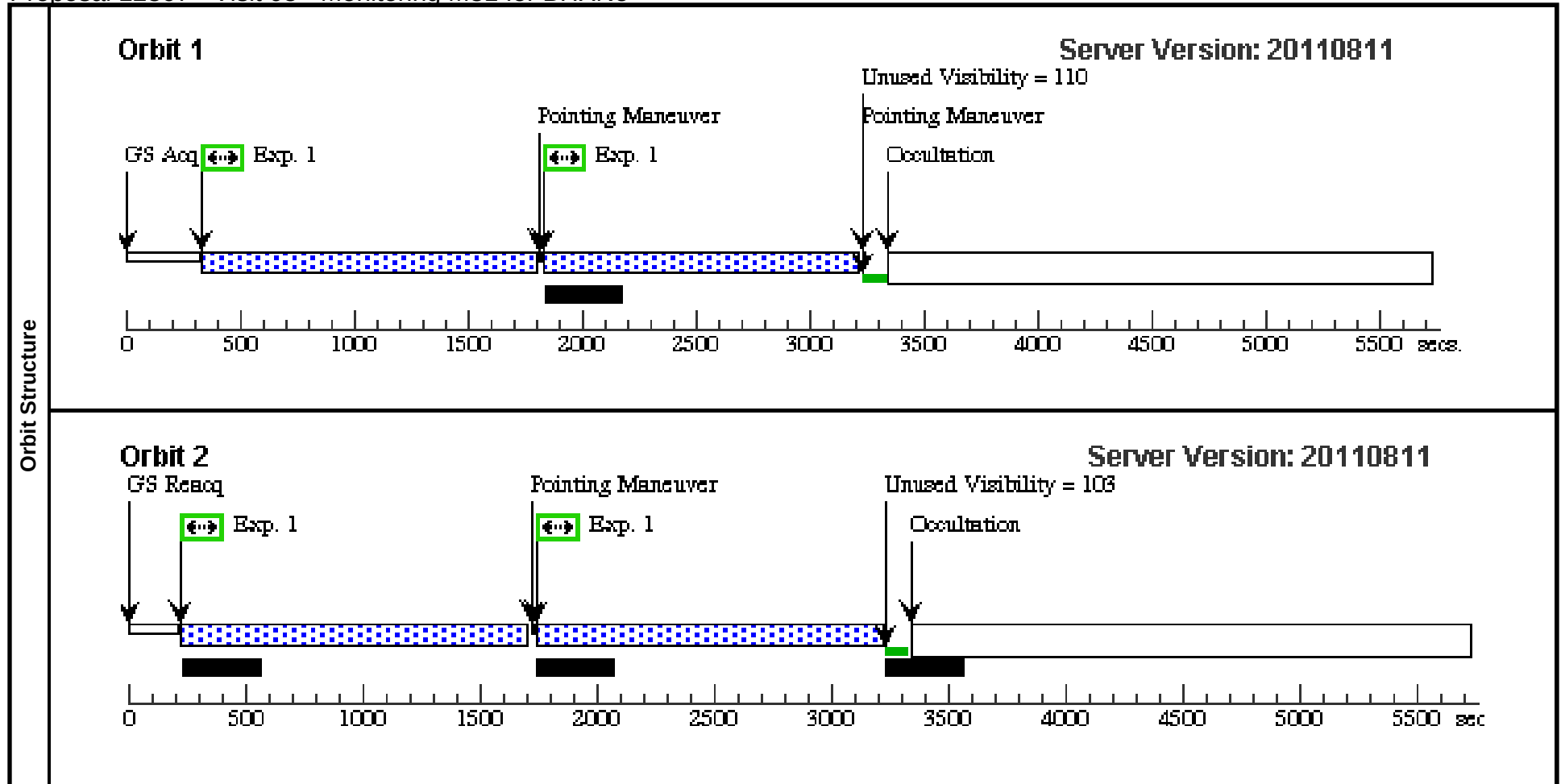
OBSERVING DESCRIPTION

We will trigger based on discovery of a transient with Chandra, and then follow up with another 2 orbit observation 6 months later.

The target co-ords will be updated at the time of the trigger.

Proposal 12367 - Visit 05 - Monitoring M31 for BHXNe

Visit	Proposal 12367, Visit 05, completed										Tue Aug 30 01:27:03 GMT 2011	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: ACS/WFC											
	Special Requirements: PCS MODE FINE; GUID TOL 0.1"											
	Comments: visit 5 for chandra c12, triggered by obsid 1216											
Patterns	#	Primary Pattern					Secondary Pattern				Exposures	
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.265 Line Spacing=0.187			Coordinate Frame=POS-TARG Pattern Orientation=20.67 Angle Between Sides=69.05 Center Pattern=false						(1)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(1)	M31-CORE	RA: 00 42 5.7700 (10.5240417d) Dec: +41 13 30.43 (41.22512d) Equinox: J2000				V=3.44		Reference Frame: ICRS			
	Comments: position to be updated 3 to 4 weeks before observation. Final position will be within 8 arcmin of this position. ON obs for obsid 12160, in week of oct 19 2010, so this obs should be nov 9-16 2010											
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(1) M31-CORE	ACS/WFC, ACCUM, WFC		F435W		GS ACQ SCENARI O BASE1B3	Pattern 1, Exps 1-1 i n Visit 05 (1)	4000 Secs		
										[==>1260.0 Secs (Pattern 1)]		[1]
										[==>1260.0 Secs (Pattern 2)]		
										[==>1360.0 Secs (Pattern 3)]		[2]
									[==>1360.0 Secs (Pattern 4)]			



Proposal 12367 - Visit 10 - Monitoring M31 for BHXNe

Visit	Proposal 12367, Visit 10, implementation Tue Aug 30 01:27:05 GMT 2011									
	Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: PCS MODE FINE; GUID TOL 0.1"									
Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Coordinate Frame=POS-TARG Pattern Orientation=20.67 Purpose=DITHER Angle Between Sides=69.05 Number Of Points=4 Center Pattern=false Point Spacing=0.265 Line Spacing=0.187							(1)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(2)	M31-CORE-COPY	RA: 00 42 11.3690 (10.5473708d) Dec: +41 04 25.51 (41.07375d) Equinox: J2000				V=3.44		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(2) M31-CORE-COPY	ACS/WFC, ACCUM, WFC	F435W		GS ACQ SCENARIO BASE1B3	Pattern 1, Exps 1-1 in Visit 10 (1)	4000 Secs	
			Y						[==>1260.0 Secs (Pattern 1)]	[1]
									[==>1260.0 Secs (Pattern 2)]	
									[==>1360.0 Secs (Pattern 3)]	
									[==>1360.0 Secs (Pattern 4)]	[2]

