



11801 - Black Holes in Globular Clusters

Cycle: 17, Proposal Category: GTO/ACS

(Availability Mode: AVAILABLE)

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>
07	(1) NGC6341-POS1 BIAS	WFC3/UVIS	1	06-Oct-2009 21:03:48.0	yes
08	(5) NGC2808-POS1 BIAS	WFC3/UVIS	1	06-Oct-2009 21:04:00.0	yes
09	(9) NGC6752-POS1 BIAS	WFC3/UVIS	1	06-Oct-2009 21:04:15.0	yes

3 Total Orbits Used

ABSTRACT

Search for >3000 solar mass black holes at the centers of three Galactic globular clusters using stellar proper motions.

OBSERVING DESCRIPTION

The success of this project hinges on accurate astrometric measurements for a large number of stars in the centers of three crowded Galactic globular clusters. In order to suppress bright giants, we will take measurements in the F438W filter using the WFC3, which provides the best compromise between crowding issues and reasonable exposure times. Each of the three target clusters will be observed at three different epochs in order to both increase the time baseline and assess systematics in the measurements -- the current phase II is for the last epoch. The integration times for individual exposures for each cluster are geared to reach the plentiful stars below the main sequence turnoff with a S/N=120 (needed for astrometric accuracy). In order to match our previous epoch observations which were taken with the ACS/HRC, we are using a custom subarray with the WFC3, to match the field of view and to get faster readouts.

Proposal 11801 - Visit 07 - Black Holes in Globular Clusters

Wed Oct 07 01:04:20 GMT 2009

Visit	Proposal 11801, Visit 07, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 70%									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	NGC6341-POS1 Alt Name1: M92	RA: 17 17 7.2200 (259.2800833d) Dec: +43 08 9.50 (43.13597d) Equinox: J2000		V=18.5	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	N6341-p1	(1) NGC6341-POS1	WFC3/UVIS, ACCUM, UVIS1-FIX	F438W	CR-SPLIT=NO; SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88	POS TARG 61.1,24. 5		110 Secs [==>]	[1]
	2	N6341-p1s	(1) NGC6341-POS1	WFC3/UVIS, ACCUM, UVIS1-FIX	F438W	CR-SPLIT=NO; SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88	POS TARG 61.10,24 .50		10 Secs [==>]	[1]
	3	N6341-p2	(1) NGC6341-POS1	WFC3/UVIS, ACCUM, UVIS1-FIX	F438W	CR-SPLIT=NO; SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88	POS TARG 67.100,2 4.500		110 Secs [==>]	[1]
	4	N6341-p3	(1) NGC6341-POS1	WFC3/UVIS, ACCUM, UVIS1-FIX	F438W	CR-SPLIT=NO; SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88	POS TARG 65.954,2 8.027		110 Secs [==>]	[1]

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#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	5	N6341-p2s	(1) NGC6341-POS1	WFC3/UVIS, ACCUM, UVIS1-FIX	F438W	CR-SPLIT=NO; SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88	POS TARG 65.954,2 8.027	10 Secs [==>]	[1]
	6	N6341-p4	(1) NGC6341-POS1	WFC3/UVIS, ACCUM, UVIS1-FIX	F438W	CR-SPLIT=NO; SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88	POS TARG 62.954,3 0.206	110 Secs [==>]	[1]
	7	N6341-p5	(1) NGC6341-POS1	WFC3/UVIS, ACCUM, UVIS1-FIX	F438W	CR-SPLIT=NO; SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88	POS TARG 59.246,3 0.206	110 Secs [==>]	[1]
	8	N6341-p3s	(1) NGC6341-POS1	WFC3/UVIS, ACCUM, UVIS1-FIX	F438W	CR-SPLIT=NO; SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88	POS TARG 59.246,3 0.206	10 Secs [==>]	[1]
	9	N6341-p6	(1) NGC6341-POS1	WFC3/UVIS, ACCUM, UVIS1-FIX	F438W	CR-SPLIT=NO; SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88	POS TARG 56.246,2 8.027	110 Secs [==>]	[1]
	10	N6341-p7	(1) NGC6341-POS1	WFC3/UVIS, ACCUM, UVIS1-FIX	F438W	CR-SPLIT=NO; SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88	POS TARG 55.100,2 4.500	110 Secs [==>]	[1]

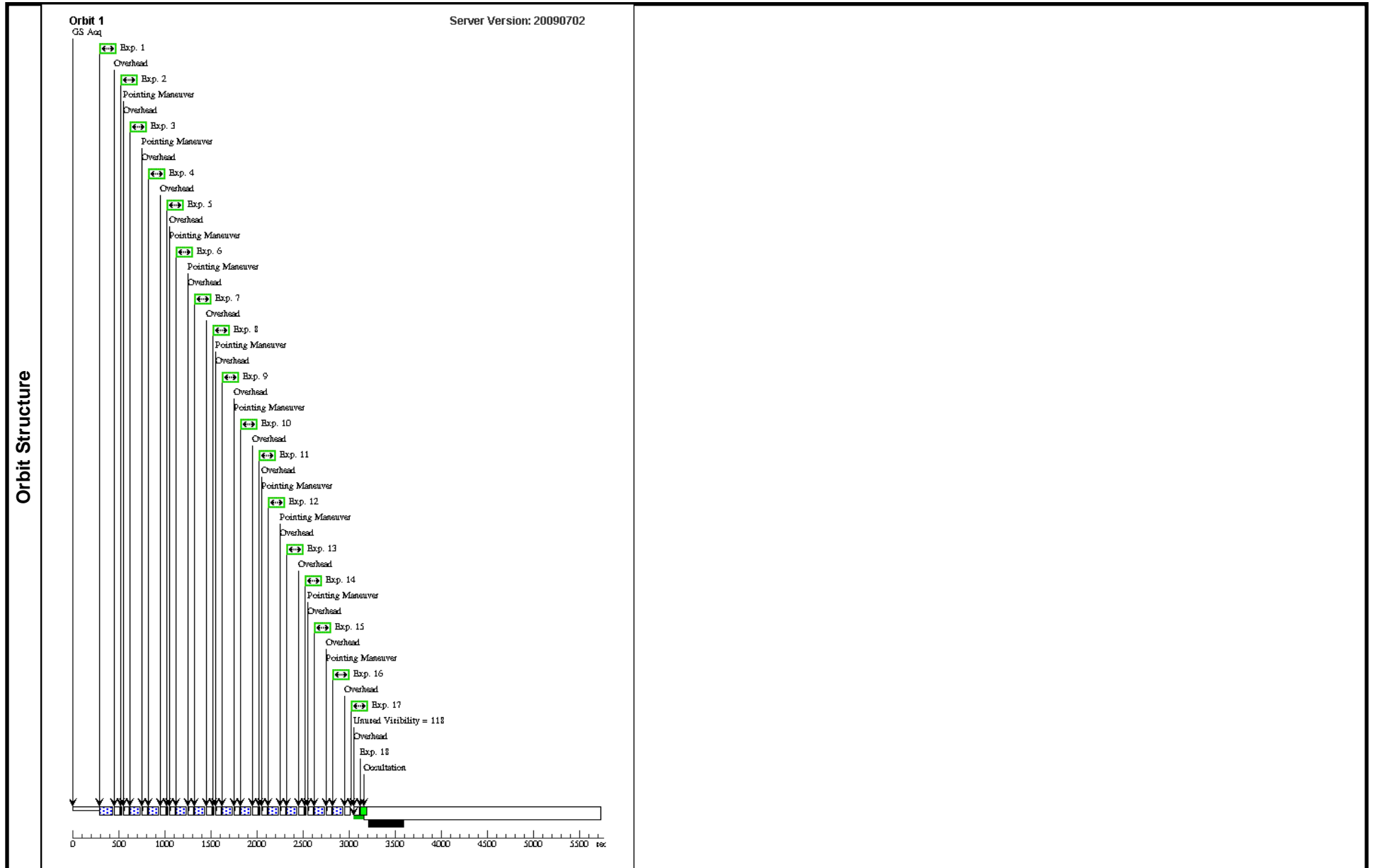
Proposal 11801 - Visit 07 - Black Holes in Globular Clusters

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	11	N6341-p4s	(1) NGC6341-POS1	WFC3/UVIS, ACCUM, UVIS1-FIX	F438W	CR-SPLIT=NO; SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88	POS TARG 55.100,2 4.500	10 Secs [==>]	[1]
	12	N6341-p8	(1) NGC6341-POS1	WFC3/UVIS, ACCUM, UVIS1-FIX	F438W	CR-SPLIT=NO; SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88	POS TARG 56.246,2 0.973	110 Secs [==>]	[1]
	13	N6341-p9	(1) NGC6341-POS1	WFC3/UVIS, ACCUM, UVIS1-FIX	F438W	CR-SPLIT=NO; SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88	POS TARG 59.246,1 8.794	110 Secs [==>]	[1]
	14	N6341-p5s	(1) NGC6341-POS1	WFC3/UVIS, ACCUM, UVIS1-FIX	F438W	CR-SPLIT=NO; SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88	POS TARG 59.246,1 8.794	10 Secs [==>]	[1]
	15	N6341-p10	(1) NGC6341-POS1	WFC3/UVIS, ACCUM, UVIS1-FIX	F438W	CR-SPLIT=NO; SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88	POS TARG 62.954,1 8.794	110 Secs [==>]	[1]
	16	N6341-p11	(1) NGC6341-POS1	WFC3/UVIS, ACCUM, UVIS1-FIX	F438W	CR-SPLIT=NO; SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88	POS TARG 65.954,2 0.973	110 Secs [==>]	[1]

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Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	17	N6341-p6s	(1) NGC6341-POS1	WFC3/UVIS, ACCUM, UVIS1-FIX	F438W	CR-SPLIT=NO; SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88	POS TARG 65.954,2 0.973	10 Secs [==>]	[1]	
18	BIAS	BIAS	WFC3/UVIS, ACCUM, UVIS1-FIX	DEF	SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88		0 Secs [==>]	[1]		

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Proposal 11801 - Visit 08 - Black Holes in Globular Clusters

Wed Oct 07 01:04:23 GMT 2009

Visit	Proposal 11801, Visit 08, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 60%									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(5)	NGC2808-POS1	RA: 09 12 2.2900 (138.0095417d) Dec: -64 51 46.75 (-64.86299d) Equinox: J2000		V=19.0	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	N2808-p1	(5) NGC2808-POS1	WFC3/UVIS, ACCUM, UVIS1-FIX	F438W	CR-SPLIT=NO; SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88	POS TARG 61.100,2 4.500		160 Secs [==>]	[1]
	2	N2808-p1s	(5) NGC2808-POS1	WFC3/UVIS, ACCUM, UVIS1-FIX	F438W	CR-SPLIT=NO; SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88	POS TARG 61.100,2 4.500		20 Secs [==>]	[1]
	3	N2808-p2	(5) NGC2808-POS1	WFC3/UVIS, ACCUM, UVIS1-FIX	F438W	CR-SPLIT=NO; SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88	POS TARG 67.100,2 4.500		160 Secs [==>]	[1]
	4	N2808-p2s	(5) NGC2808-POS1	WFC3/UVIS, ACCUM, UVIS1-FIX	F438W	CR-SPLIT=NO; SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88	POS TARG 67.100,2 4.500		20 Secs [==>]	[1]

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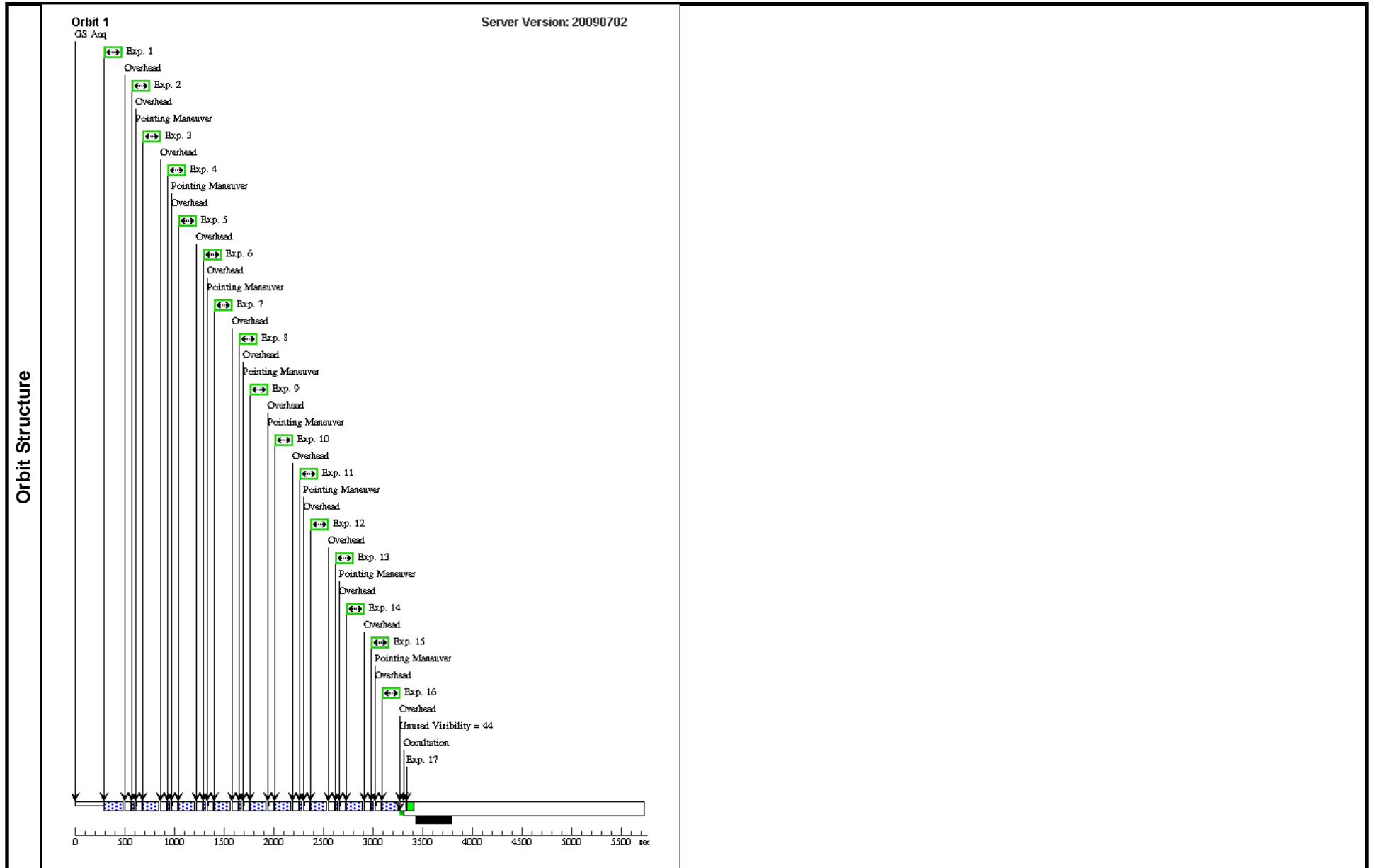
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	5	N2808-p3	(5) NGC2808-POS1	WFC3/UVIS, ACCUM, UVIS1-FIX	F438W	CR-SPLIT=NO; SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88	POS TARG 65.343,2 8.743	160 Secs [==>]	[1]
	6	N2808-p3s	(5) NGC2808-POS1	WFC3/UVIS, ACCUM, UVIS1-FIX	F438W	CR-SPLIT=NO; SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88	POS TARG 65.343,2 8.743	20 Secs [==>]	[1]
	7	N2808-p4	(5) NGC2808-POS1	WFC3/UVIS, ACCUM, UVIS1-FIX	F438W	CR-SPLIT=NO; SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88	POS TARG 61.100,3 0.500	160 Secs [==>]	[1]
	8	N2808-p4s	(5) NGC2808-POS1	WFC3/UVIS, ACCUM, UVIS1-FIX	F438W	CR-SPLIT=NO; SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88	POS TARG 61.100,3 0.500	20 Secs [==>]	[1]
	9	N2808-p5	(5) NGC2808-POS1	WFC3/UVIS, ACCUM, UVIS1-FIX	F438W	CR-SPLIT=NO; SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88	POS TARG 56.857,2 8.743	160 Secs [==>]	[1]
	10	N2808-p6	(5) NGC2808-POS1	WFC3/UVIS, ACCUM, UVIS1-FIX	F438W	CR-SPLIT=NO; SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88	POS TARG 55.100,2 4.500	160 Secs [==>]	[1]

Proposal 11801 - Visit 08 - Black Holes in Globular Clusters

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	11	N2808-p5s	(5) NGC2808-POS1	WFC3/UVIS, ACCUM, UVIS1-FIX	F438W	CR-SPLIT=NO; SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88	POS TARG 55.100,2 4.500	20 Secs [==>]	[1]
	12	N2808-p7	(5) NGC2808-POS1	WFC3/UVIS, ACCUM, UVIS1-FIX	F438W	CR-SPLIT=NO; SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88	POS TARG 56.857,2 0.257	160 Secs [==>]	[1]
	13	N2808-p6s	(5) NGC2808-POS1	WFC3/UVIS, ACCUM, UVIS1-FIX	F438W	CR-SPLIT=NO; SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88	POS TARG 56.857,2 0.257	20 Secs [==>]	[1]
	14	N2808-p8	(5) NGC2808-POS1	WFC3/UVIS, ACCUM, UVIS1-FIX	F438W	CR-SPLIT=NO; SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88	POS TARG 61.100,1 8.500	160 Secs [==>]	[1]
	15	N2808-p7s	(5) NGC2808-POS1	WFC3/UVIS, ACCUM, UVIS1-FIX	F438W	CR-SPLIT=NO; SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88	POS TARG 61.100,1 8.500	20 Secs [==>]	[1]
	16	N2808-p9	(5) NGC2808-POS1	WFC3/UVIS, ACCUM, UVIS1-FIX	F438W	CR-SPLIT=NO; SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88	POS TARG 65.343,2 0.257	160 Secs [==>]	[1]

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Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	17	BIAS	BIAS	WFC3/UVIS, ACCUM, UVIS1-FIX	DEF	SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88			0 Secs [==>]	[1]



Proposal 11801 - Visit 09 - Black Holes in Globular Clusters

Wed Oct 07 01:04:25 GMT 2009

Visit	Proposal 11801, Visit 09, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 80%									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(9)	NGC6752-POS1	RA: 19 10 51.8300 (287.7159583d) Dec: -59 59 5.65 (-59.98490d) Equinox: J2000			V=17.0	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	N6752-p1	(9) NGC6752-POS1	WFC3/UVIS, ACCUM, UVIS1-FIX	F438W	CR-SPLIT=NO; SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88	POS TARG 61.100,2 4.500		45 Secs [==>]	[1]
	2	N6752-p1s	(9) NGC6752-POS1	WFC3/UVIS, ACCUM, UVIS1-FIX	F438W	CR-SPLIT=NO; SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88	POS TARG 61.100,2 4.500		5 Secs [==>]	[1]
	3	N6752-p2	(9) NGC6752-POS1	WFC3/UVIS, ACCUM, UVIS1-FIX	F438W	CR-SPLIT=NO; SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88	POS TARG 67.100,2 4.500		45 Secs [==>]	[1]
	4	N6752-p3	(9) NGC6752-POS1	WFC3/UVIS, ACCUM, UVIS1-FIX	F438W	CR-SPLIT=NO; SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88	POS TARG 66.695,2 6.667		45 Secs [==>]	[1]

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#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	5	N6752-p4	(9) NGC6752-POS1	WFC3/UVIS, ACCUM, UVIS1-FIX	F438W	CR-SPLIT=NO; SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88	POS TARG 65.534,2 8.542	45 Secs [==>]	[1]
	6	N6752-p2s	(9) NGC6752-POS1	WFC3/UVIS, ACCUM, UVIS1-FIX	F438W	CR-SPLIT=NO; SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88	POS TARG 65.534,2 8.542	5 Secs [==>]	[1]
	7	N6752-p5	(9) NGC6752-POS1	WFC3/UVIS, ACCUM, UVIS1-FIX	F438W	CR-SPLIT=NO; SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88	POS TARG 63.774,2 9.871	45 Secs [==>]	[1]
	8	N6752-p6	(9) NGC6752-POS1	WFC3/UVIS, ACCUM, UVIS1-FIX	F438W	CR-SPLIT=NO; SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88	POS TARG 61.654,3 0.474	45 Secs [==>]	[1]
	9	N6752-p7	(9) NGC6752-POS1	WFC3/UVIS, ACCUM, UVIS1-FIX	F438W	CR-SPLIT=NO; SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88	POS TARG 59.458,3 0.271	45 Secs [==>]	[1]
	10	N6752-p8	(9) NGC6752-POS1	WFC3/UVIS, ACCUM, UVIS1-FIX	F438W	CR-SPLIT=NO; SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88	POS TARG 57.484,2 9.288	45 Secs [==>]	[1]

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#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	11	N6752-p9	(9) NGC6752-POS1	WFC3/UVIS, ACCUM, UVIS1-FIX	F438W	CR-SPLIT=NO; SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88	POS TARG 55.999,2 7.659	45 Secs [==>]	[1]
	12	N6752-p10	(9) NGC6752-POS1	WFC3/UVIS, ACCUM, UVIS1-FIX	F438W	CR-SPLIT=NO; SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88	POS TARG 55.202,2 5.602	45 Secs [==>]	[1]
	13	N6752-p3s	(9) NGC6752-POS1	WFC3/UVIS, ACCUM, UVIS1-FIX	F438W	CR-SPLIT=NO; SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88	POS TARG 55.202,2 5.602	5 Secs [==>]	[1]
	14	N6752-p11	(9) NGC6752-POS1	WFC3/UVIS, ACCUM, UVIS1-FIX	F438W	CR-SPLIT=NO; SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88	POS TARG 55.202,2 3.398	45 Secs [==>]	[1]
	15	N6752-p12	(9) NGC6752-POS1	WFC3/UVIS, ACCUM, UVIS1-FIX	F438W	CR-SPLIT=NO; SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88	POS TARG 55.999,2 1.341	45 Secs [==>]	[1]
	16	N6752-p13	(9) NGC6752-POS1	WFC3/UVIS, ACCUM, UVIS1-FIX	F438W	CR-SPLIT=NO; SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88	POS TARG 57.484,1 9.712	45 Secs [==>]	[1]

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#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	17	N6752-p14	(9) NGC6752-POS1	WFC3/UVIS, ACCUM, UVIS1-FIX	F438W	CR-SPLIT=NO; SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88	POS TARG 59.458,1 8.729	45 Secs [==>]	[1]
	18	N6752-p15	(9) NGC6752-POS1	WFC3/UVIS, ACCUM, UVIS1-FIX	F438W	CR-SPLIT=NO; SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88	POS TARG 61.654,1 8.526	45 Secs [==>]	[1]
	19	N6752-p16	(9) NGC6752-POS1	WFC3/UVIS, ACCUM, UVIS1-FIX	F438W	CR-SPLIT=NO; SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88	POS TARG 63.774,1 9.129	45 Secs [==>]	[1]
	20	N6752-p4s	(9) NGC6752-POS1	WFC3/UVIS, ACCUM, UVIS1-FIX	F438W	CR-SPLIT=NO; SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88	POS TARG 63.774,1 9.129	5 Secs [==>]	[1]
	21	N6752-p17	(9) NGC6752-POS1	WFC3/UVIS, ACCUM, UVIS1-FIX	F438W	CR-SPLIT=NO; SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88	POS TARG 63.534,2 0.458	45 Secs [==>]	[1]
	22	N6752-p18	(9) NGC6752-POS1	WFC3/UVIS, ACCUM, UVIS1-FIX	F438W	CR-SPLIT=NO; SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88	POS TARG 66.695,2 2.333	45 Secs [==>]	[1]

Proposal 11801 - Visit 09 - Black Holes in Globular Clusters

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	23	BIAS	BIAS	WFC3/UVIS, ACCUM, UVIS1-FIX	DEF	SIZEAXIS1=1050; SIZEAXIS2=1024; CENTERAXIS1=36 20; CENTERAXIS2=35 88			0 Secs [==>]	[1]

