



10631 - Intermediate-Age Globular Clusters in M31

Cycle: 14, Proposal Category: GO

(Availability Mode: SUPPORTED)

INVESTIGATORS

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VISITS

<i>Visit</i>	<i>Targets</i>	<i>Configurations</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(1) M31GC-B337-336 ANY	ACS/WFC WFPC2	2	16-Sep-2005 21:10:20.0	yes
02	(2) M31GC-B058-049 ANY	ACS/WFC WFPC2	2	16-Sep-2005 21:10:27.0	yes
03	(3) M31GC-B292 ANY	ACS/WFC WFPC2	2	16-Sep-2005 21:10:32.0	yes
04	(4) M31GC-B350 ANY	ACS/WFC WFPC2	2	16-Sep-2005 21:10:37.0	yes
05	(1) M31GC-B337-336 ANY	ACS/WFC WFPC2	3	16-Sep-2005 21:10:43.0	yes

Proposal 10631 - Overview

<i>Visit</i>	<i>Targets</i>	<i>Configurations</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
06	(2) M31GC-B058-049 ANY	ACS/WFC WFPC2	3	16-Sep-2005 21:10:51.0	yes
07	(3) M31GC-B292 ANY	ACS/WFC WFPC2	3	16-Sep-2005 21:10:57.0	yes
08	(4) M31GC-B350 ANY	ACS/WFC WFPC2	3	16-Sep-2005 21:11:03.0	yes

20 Total Orbits Used

ABSTRACT

We propose deep ACS/WFC imaging of four halo M31 globular clusters in order to derive their horizontal branch morphologies. Our spectroscopic investigation of their integrated light identifies them as members of an intermediate-age population of globular clusters in M31. Since our spectroscopic results are based on the analysis of Balmer absorption lines, we need to secure our results against an artificial juvenation due to extreme horizontal branch morphologies. The proposed observations will allow a clear-cut answer to the question of whether spectroscopically derived intermediate-age estimates are due to genuinely younger ages or are the result of anomalously hot horizontal branch morphologies. Either way, our results will have important implications for spectroscopically derived ages and metallicities of distant stellar populations. Because of the high spatial resolution of the proposed ACS/WFC observations we will also derive accurate surface brightness profiles of our target globular clusters and investigate the influence of stellar density on horizontal branch morphology. Moreover, together with deep parallel WFPC2 fields we will study the metallicity dispersion of the background stellar population in M31 as a function of galactocentric radius.

OBSERVING DESCRIPTION

We will observe resolved globular clusters in M31 in the two filters F435W and F606W, using the wide-field channel of ACS. To optimize the scientific output of the images two pointings (B337-336 and B058-049) contain more than one globular cluster. Another pointing contains one confirmed (B350) and one candidate globular cluster. The fourth pointing includes only one globular cluster (B292). For the fields with multiple

Proposal 10631 - Overview

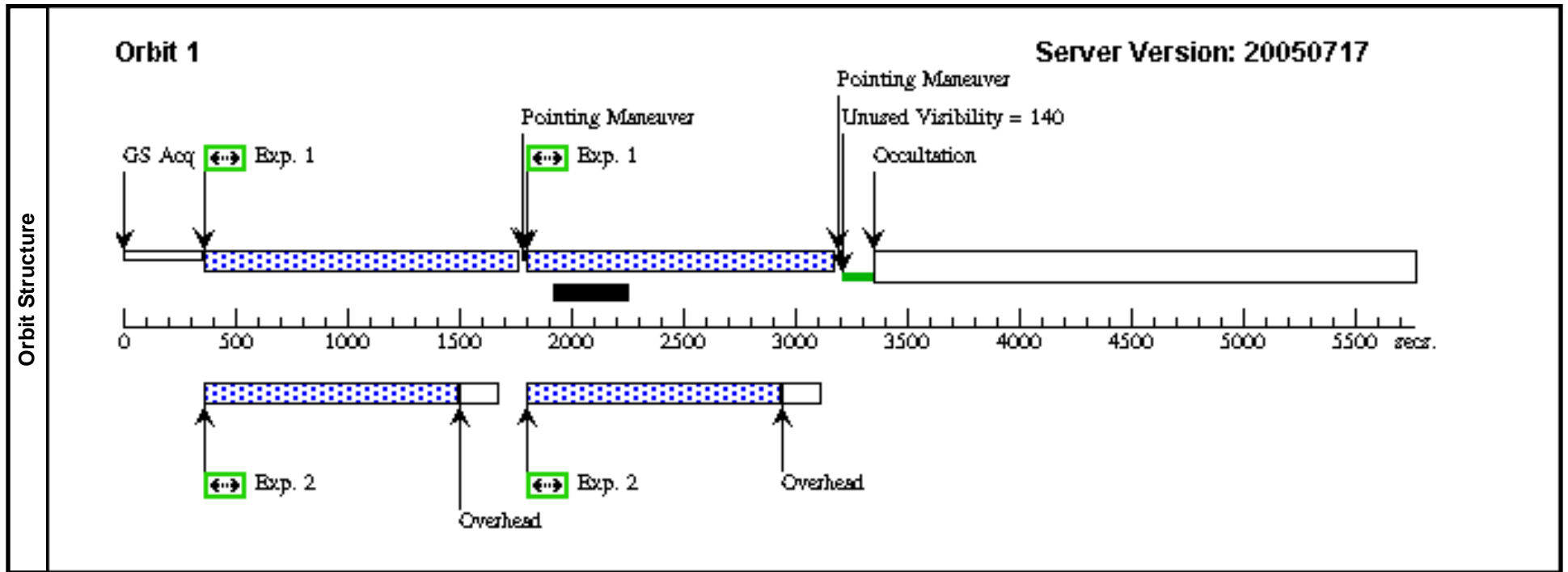
objects we set orientation requirements to guarantee the best coverage of all targets. The B292 pointing additional orient constraints were added to avoid a bright star in the field of view. All roll angle requirements have little impact on the schedulability of the observations.

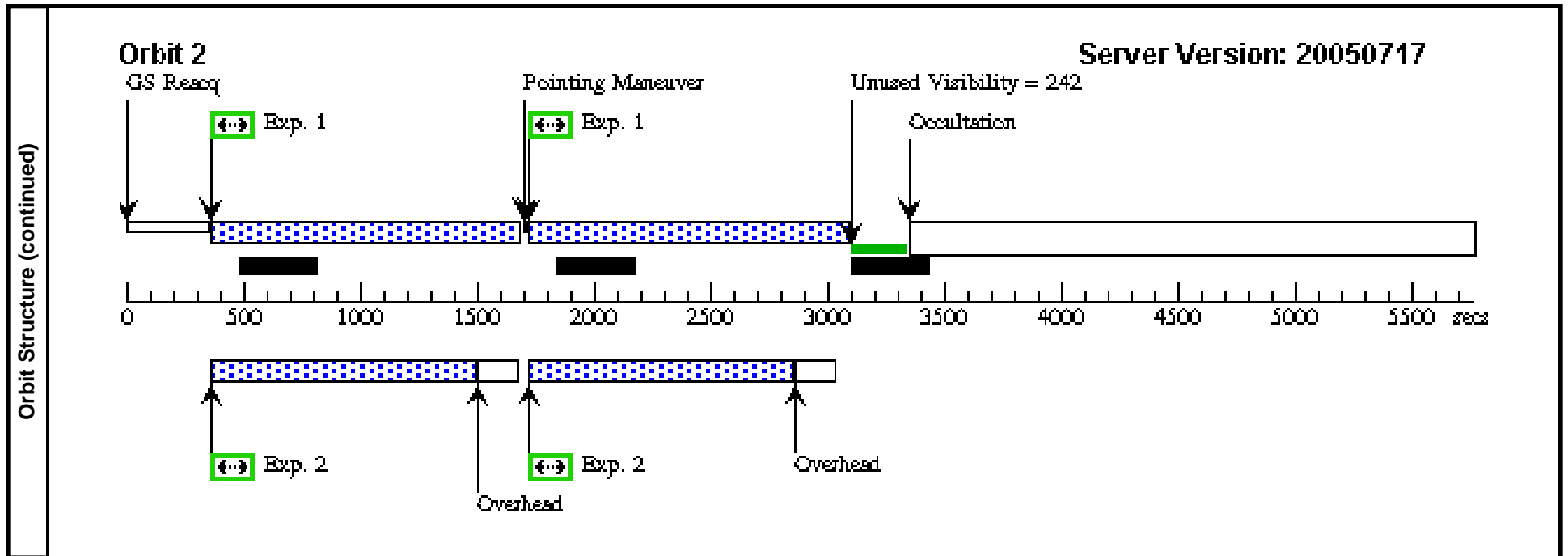
Coordinated parallel observations in the filters F450W and F606W will be carried out with WFPC2 in order to sample the field stellar population of M31. In order to be as complete as possible for the much cooler WFPC2 targets, we choose to observe with WFPC2 in F450W when ACS is observing in the F606W filter, and in F606W when ACS will be taking integrations through the F435W filter.

Proposal 10631 - Visit 01 - Intermediate-Age Globular Clusters in M31

Sat Sep 17 01:11:06 GMT 2005

Visit	Proposal 10631, Visit 01 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC, WFPC2 Special Requirements: ORIENT 30.0D TO 65.0 D; ORIENT 125.0D TO 153.0 D; ORIENT 206.0D TO 246.0 D; ORIENT 301.0D TO 333.0 D <i>Comments: This visit includes a pair of clusters (B337 and B336) that can be simultaneously observed, placing the ACS field so that each clusters lies in one corner of the field of view. Consequently, four different roll angle windows, which are specified in the orientation requirements, are optimal to perform this observation. The first roll angle window (30-65 deg) should have lower priority, as a bright star is contaminating the coordinated parallel WFPC2 observations. Higher priority should therefore be given to the last three orient windows with roll angles >125 deg. The optimal orient angles are 47 and 227 degrees. We provide here the J2000 coordinates for the two globular clusters B337: 00 40 48.45, +42 12 11.45 and B336: 00 40 47.57, +42 08 41.38.</i>									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.171 Line Spacing=0.171	Coordinate Frame=POS-TARG Pattern Orientation=30.2 Angle Between Sides=145.8 Center Pattern=false					(1-2)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	M31GC-B337-336	RA: 00 40 48.0720 (10.2003000d) Dec: +42 10 27.44 (42.17429d) Equinox: J2000 Plate Id: (?)		V=17.811+/-0.05 B = 18.52	Coordinate Source: Galleti et al. (2004)				
<i>Comments: Coordinates were taken from Galleti et al. (2004, A&A 416, 917)</i>										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	B337/6-F43 5W	(1) M31GC-B337-336	ACS/WFC, ACCUM, WFCENTER	F435W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Group 1-2	900.0 Secs [=>1200.0 Secs (Pattern 1)] [=>1250.0 Secs (Pattern 2)] [=>1200.0 Secs (Pattern 3)] [=>1250.0 Secs (Pattern 4)]	[1] [2]
2	B337/6-F60 6W	ANY	WFPC2, IMAGE, WFALL	F606W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Group 1-2	200.0 Secs [=>1000.0 Secs (Pattern 1)] [=>1000.0 Secs (Pattern 2)] [=>1000.0 Secs (Pattern 3)] [=>1000.0 Secs (Pattern 4)]	[1] [2]	

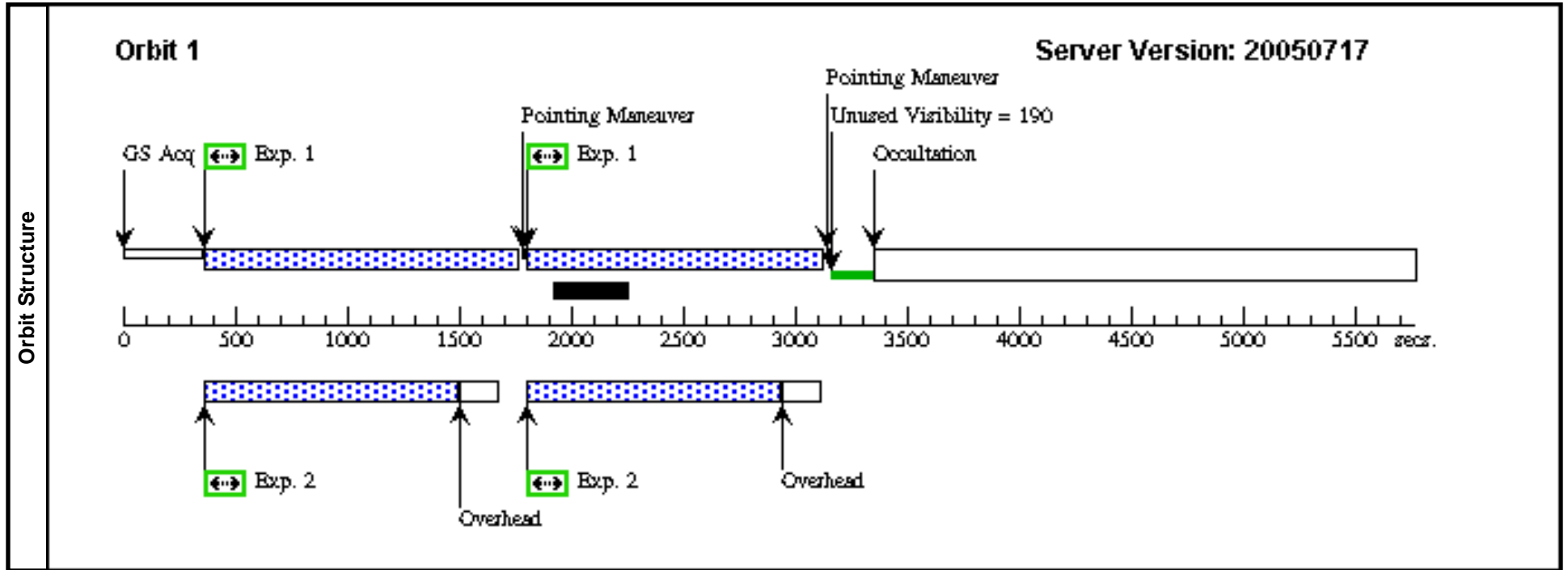


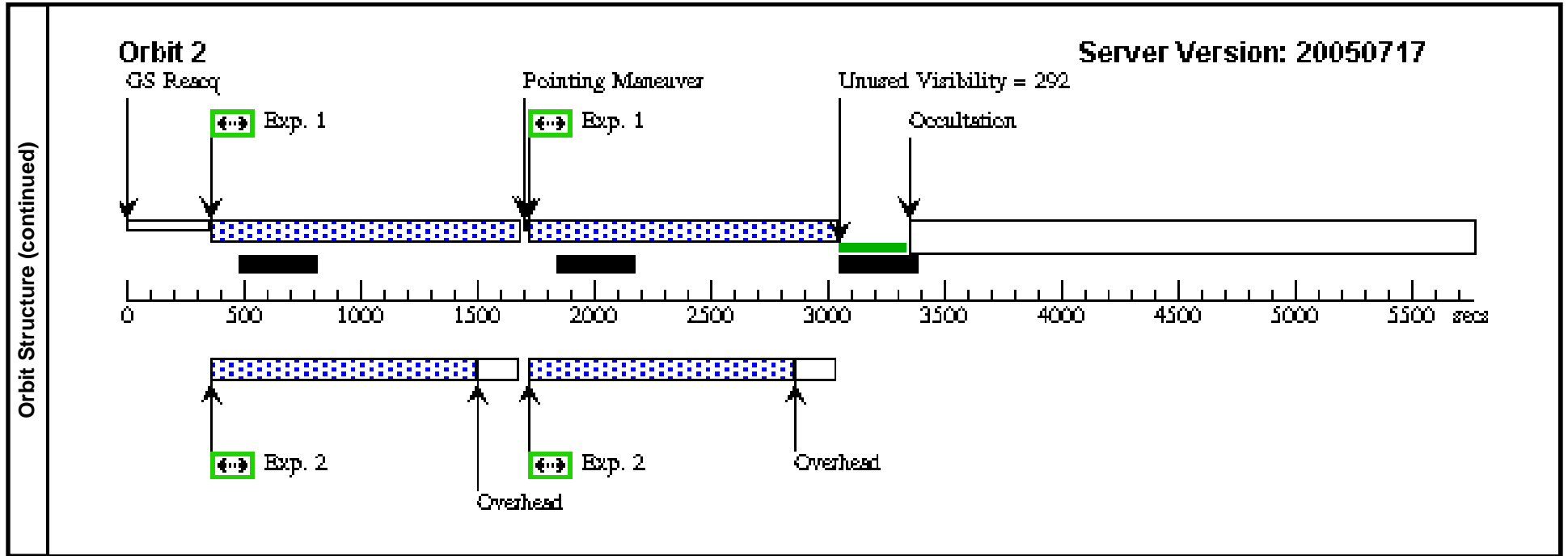


Proposal 10631 - Visit 02 - Intermediate-Age Globular Clusters in M31

Sat Sep 17 01:11:07 GMT 2005

Visit	Proposal 10631, Visit 02 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC, WFPC2 Special Requirements: ORIENT 350.0D TO 27.0 D; ORIENT 82.0D TO 115.0 D; ORIENT 166.0D TO 205.0 D; ORIENT 258.0D TO 295.0 D <i>Comments: In this visit we aim to include three globular cluster in one pointing (B058, B049, and B206D). The primary target is B058. To maximize schedulability the roll angles were optimized to include the clusters B058 and B049 only. The ideal roll angles of 97 and 277 deg include all three clusters within one ACS pointing. The J2000 coordinates of all three clusters are: B058: 00 41 53.01, +40 47 08.63; B049: 00 41 45.60, +40 49 53.73; B206D: 00 41 40.596, +40 50 06.90.</i>										
	Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
		(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.171 Line Spacing=0.171	Coordinate Frame=POS-TARG Pattern Orientation=30.2 Angle Between Sides=145.8 Center Pattern=false						(1-2)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
	(2)	M31GC-B058-049	RA: 00 41 47.5914 (10.4482975d) Dec: +40 48 29.37 (40.80816d) Equinox: J2000 Plate Id: (?)		V=14.97+/-0.05 B = 15.81	Coordinate Source: Galleti et al. (2004)					
<i>Comments: Coordinates were taken from Galleti et al. (2004, A&A 416, 917)</i>											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	B058/49-F4 35W	(2) M31GC-B058-049	ACS/WFC, ACCUM, WFCENTER	F435W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Group 1-2	1305.0 Secs		
									[==>1200.0 Secs (Pattern 1)]		[1]
									[==>1200.0 Secs (Pattern 2)]		[1]
									[==>1200.0 Secs (Pattern 3)]		[2]
									[==>1200.0 Secs (Pattern 4)]		[2]
2	B058/49-F6 06W	ANY	WFPC2, IMAGE, WFALL	F606W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Group 1-2	1100.0 Secs			
								[==>1000.0 Secs (Pattern 1)]		[1]	
								[==>1000.0 Secs (Pattern 2)]		[1]	
								[==>1000.0 Secs (Pattern 3)]		[2]	
								[==>1000.0 Secs (Pattern 4)]		[2]	

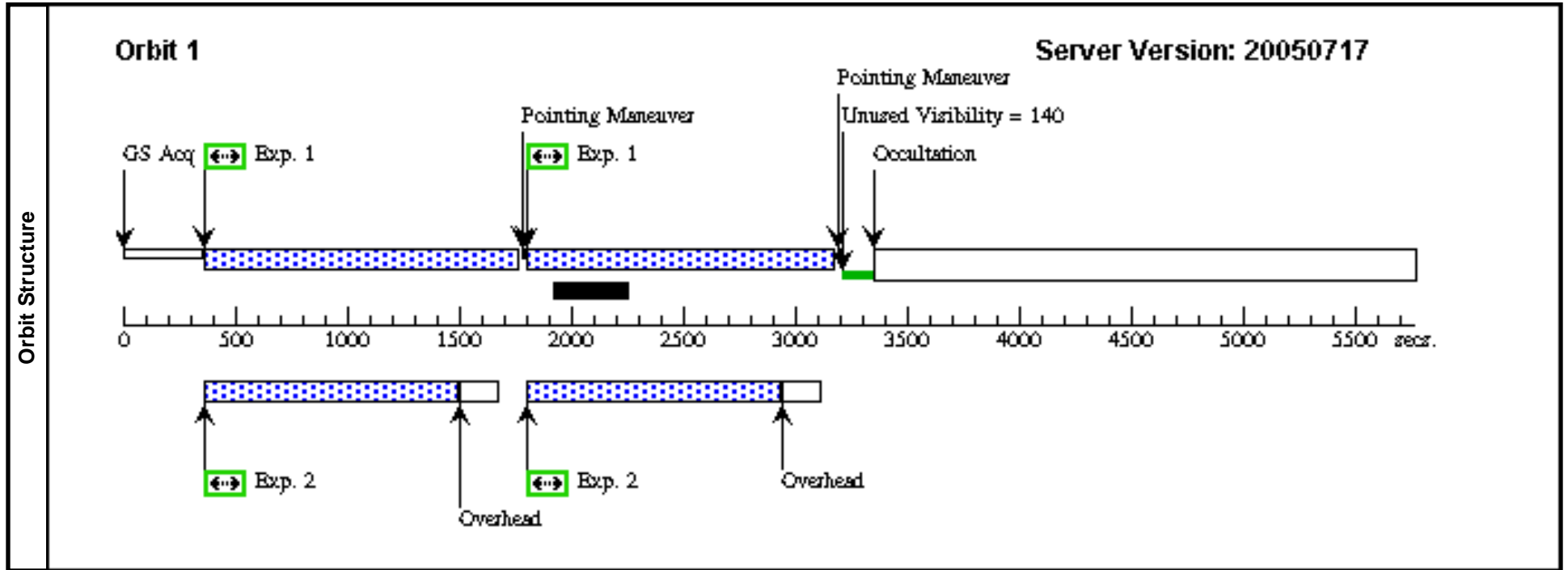


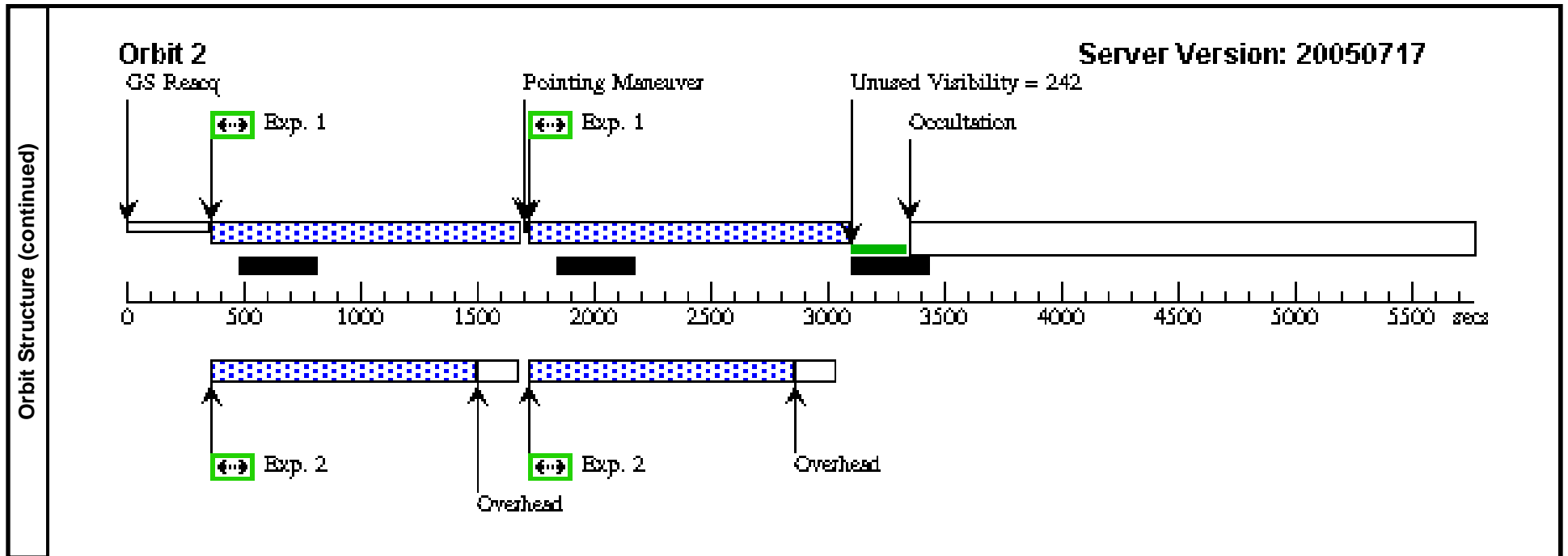


Proposal 10631 - Visit 03 - Intermediate-Age Globular Clusters in M31

Sat Sep 17 01:11:08 GMT 2005

Visit		Proposal 10631, Visit 03 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC, WFPC2 Special Requirements: (none)									
Patterns	#	Primary Pattern			Secondary Pattern			Exposures			
	(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.171 Line Spacing=0.171	Coordinate Frame=POS-TARG Pattern Orientation=30.2 Angle Between Sides=145.8 Center Pattern=false					(1-2)			
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
	(3)	M31GC-B292	RA: 00 36 16.5900 (9.0691250d) Dec: +40 58 26.64 (40.97407d) Equinox: J2000 Plate Id: (?)		V=17.0+/-0.05 B = 17.89	Coordinate Source: Galleti et al. (2004)					
<i>Comments: Coordinates were taken from Galleti et al. (2004, A&A 416, 917)</i>											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1	B292-F435 W	(3) M31GC-B292	ACS/WFC, ACCUM, WFC2	F435W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Group 1-2	1305.0 Secs [=>1200.0 Secs (Pattern 1)] [=>1250.0 Secs (Pattern 2)] [=>1200.0 Secs (Pattern 3)] [=>1250.0 Secs (Pattern 4)]	[1] [2]	
	2	B292-F606 W	ANY	WFPC2, IMAGE, WFALL	F606W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Group 1-2	1100.0 Secs [=>1000.0 Secs (Pattern 1)] [=>1000.0 Secs (Pattern 2)] [=>1000.0 Secs (Pattern 3)] [=>1000.0 Secs (Pattern 4)]	[1] [2]	

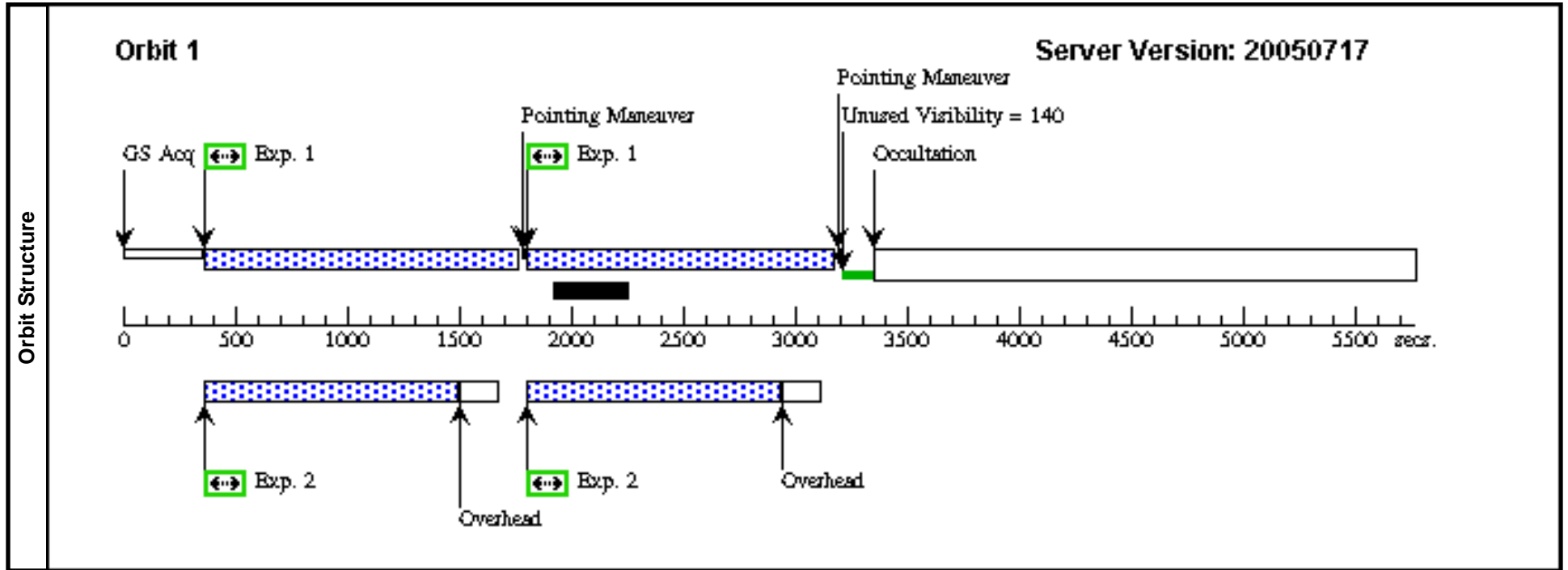


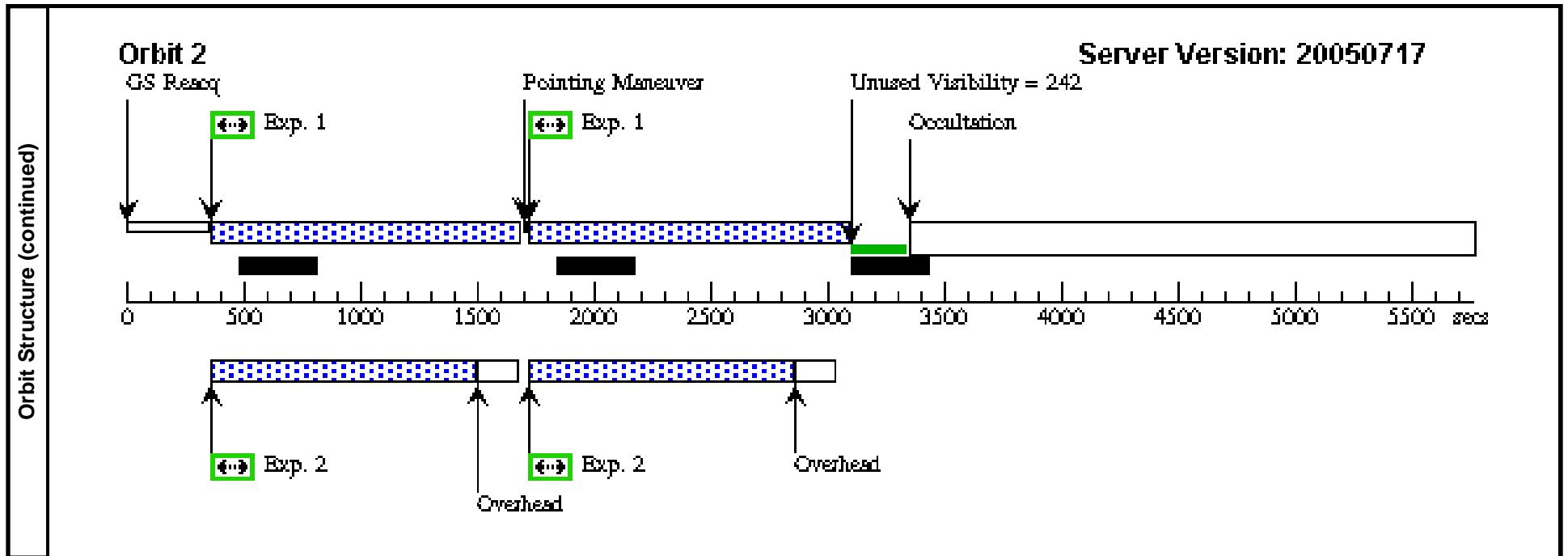


Proposal 10631 - Visit 04 - Intermediate-Age Globular Clusters in M31

Sat Sep 17 01:11:09 GMT 2005

Visit		Proposal 10631, Visit 04 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC, WFPC2 Special Requirements: (none)									
Patterns	#	Primary Pattern			Secondary Pattern			Exposures			
		(1)	Pattern Type=ACS-WFC-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.171 Line Spacing=0.171	Coordinate Frame=POS-TARG Pattern Orientation=30.2 Angle Between Sides=145.8 Center Pattern=false							(1-2)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
	(4)	M31GC-B350	RA: 00 42 28.3300 (10.6180417d) Dec: +40 24 50.18 (40.41394d) Equinox: J2000 Plate Id: (?)		V=16.74+/-0.05 B = 17.36	Coordinate Source: Galleti et al. (2004)					
<i>Comments: Coordinates were taken from Galleti et al. (2004, A&A 416, 917)</i>											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1	B350-F435 W	(4) M31GC-B350	ACS/WFC, ACCUM, WFC1	F435W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Group 1-2	1305.0 Secs [=>1200.0 Secs (Pattern 1)] [=>1250.0 Secs (Pattern 2)]	[1]	
									[=>1200.0 Secs (Pattern 3)] [=>1250.0 Secs (Pattern 4)]	[2]	
	2	B350-F606 W	ANY	WFPC2, IMAGE, WFALL	F606W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Group 1-2	1100.0 Secs [=>1000.0 Secs (Pattern 1)] [=>1000.0 Secs (Pattern 2)]	[1]	
									[=>1000.0 Secs (Pattern 3)] [=>1000.0 Secs (Pattern 4)]	[2]	





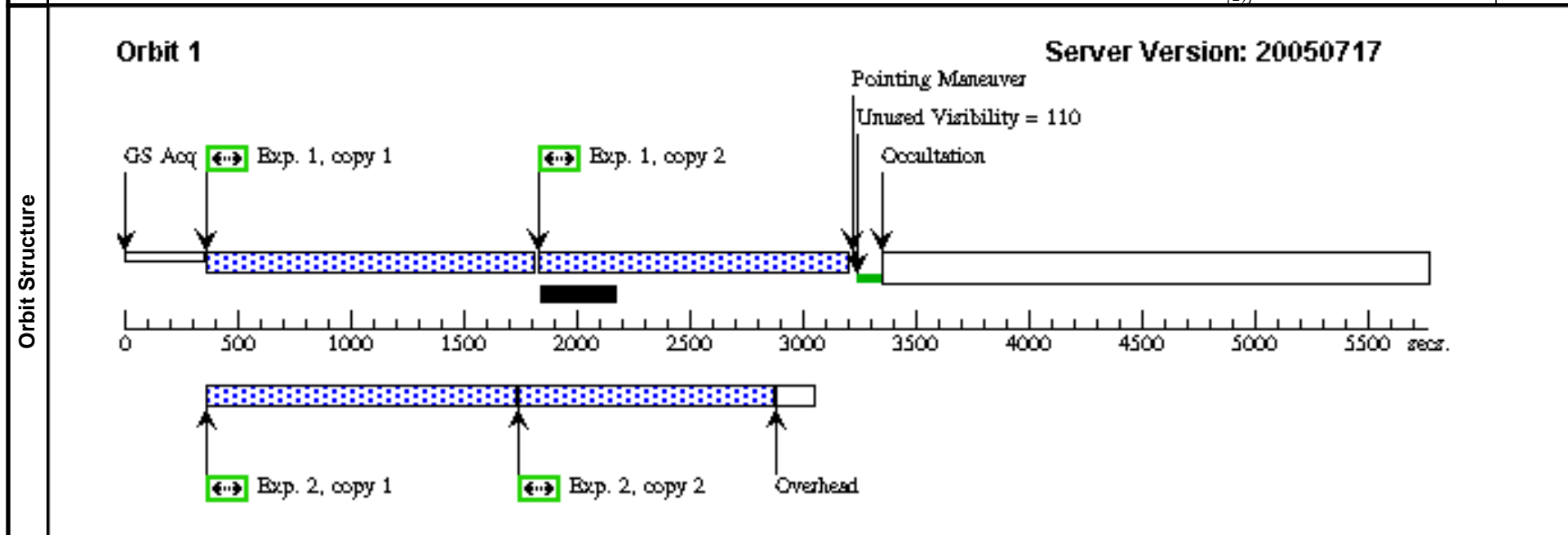
Proposal 10631 - Visit 05 - Intermediate-Age Globular Clusters in M31

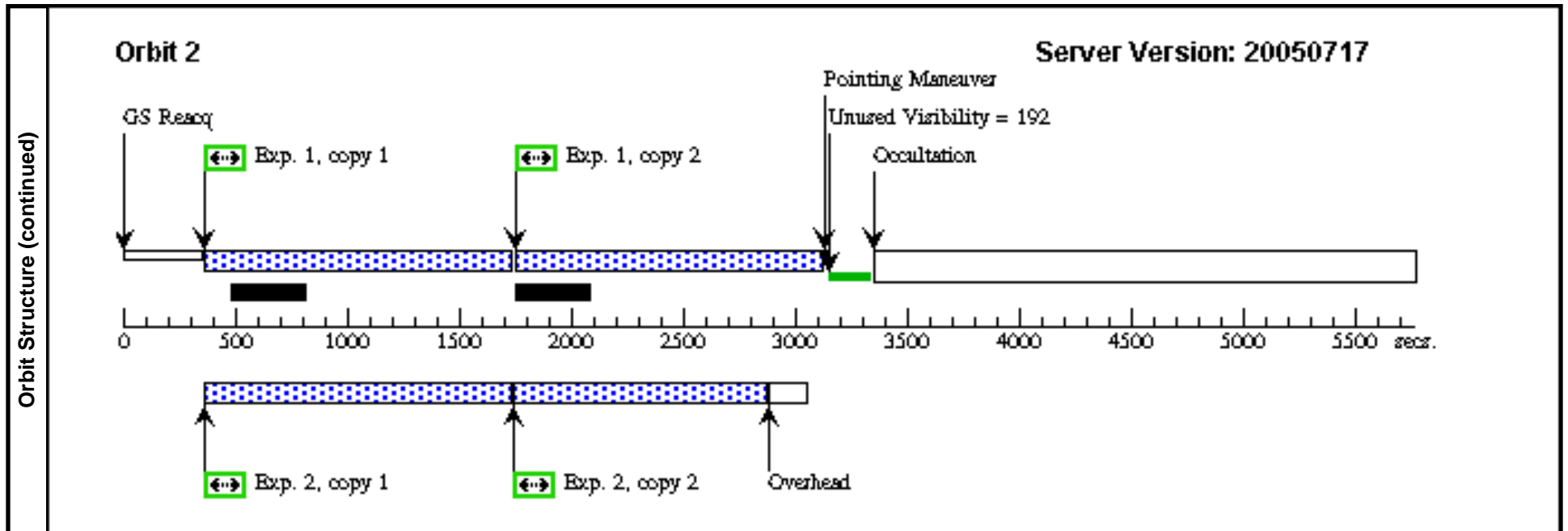
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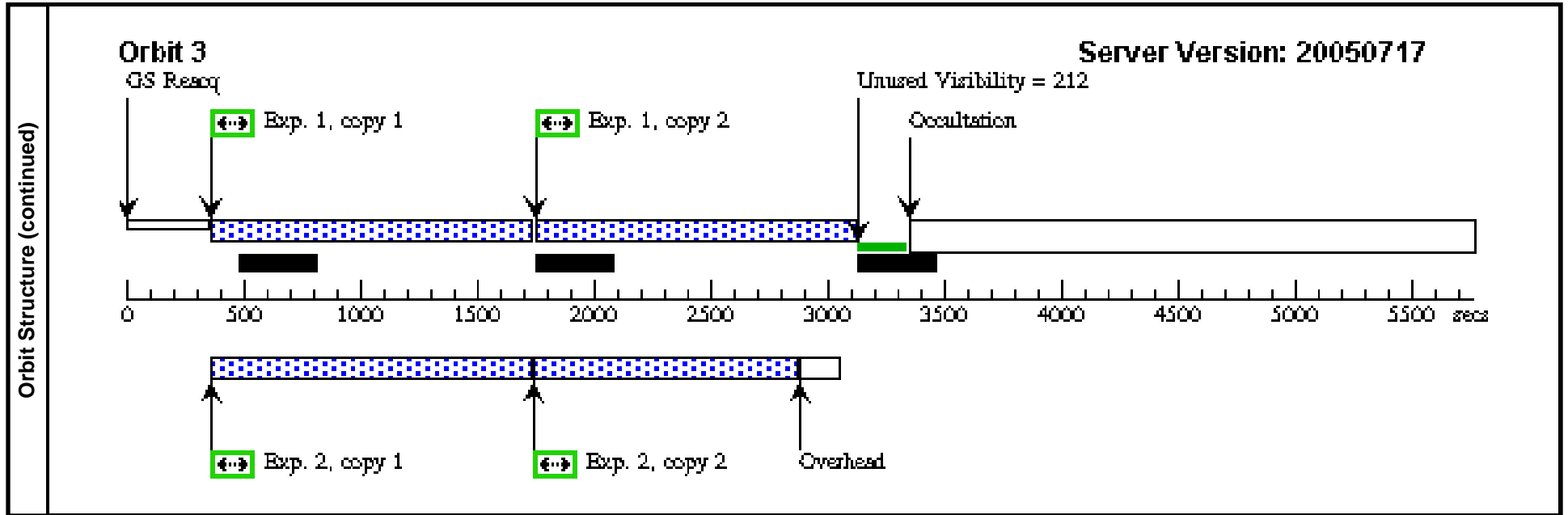
Visit	Proposal 10631, Visit 05 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC, WFPC2 Special Requirements: ORIENT 30.0D TO 65.0 D; ORIENT 125.0D TO 153.0 D; ORIENT 206.0D TO 246.0 D; ORIENT 301.0D TO 333.0 D <i>Comments: This visit includes a pair of clusters (B337 and B336) that can be simultaneously observed, placing the ACS field so that each clusters lies in one corner of the field of view. Consequently, four different roll angle windows, which are specified in the orientation requirements, are optimal to perform this observation. The first roll angle window (30-65 deg) should have lower priority, as a bright star is contaminating the coordinated parallel WFPC2 observations. Higher priority should therefore be given to the last three orient windows with roll angles >125 deg. The optimal orient angles are 47 and 227 degrees. We provide here the J2000 coordinates for the two globular clusters B337: 00 40 48.45, +42 12 11.45 and B336: 00 40 47.57, +42 08 41.38.</i>									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(2)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.17 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=false	(1-2)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	M31GC-B337-336	RA: 00 40 48.0720 (10.2003000d) Dec: +42 10 27.44 (42.17429d) Equinox: J2000 Plate Id: (?)		V=17.811+/-0.05 B = 18.52	Coordinate Source: Galleti et al. (2004)				
	<i>Comments: Coordinates were taken from Galleti et al. (2004, A&A 416, 917)</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	B337/6-F60 6W	(1) M31GC-B337-33 6	ACS/WFC, ACCUM, WFCENTER	F606W	CR-SPLIT=NO		Pattern 1-2 (2) Prime + Parallel Group 1-2	1200.0 Secs X 2 [==>1250.0 Secs (Pattern 1, Copy 1)] [==>1250.0 Secs (Pattern 1, Copy 2)] [==>1250.0 Secs (Pattern 2, Copy 1)] [==>1250.0 Secs (Pattern 2, Copy 2)] [==>1250.0 Secs (Pattern 3, Copy 1)] [==>1250.0 Secs (Pattern 3, Copy 2)]	[1] [2] [3]

Proposal 10631 - Visit 05 - Intermediate-Age Globular Clusters in M31

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	2	B337/6-F45 0W	ANY	WFPC2, IMAGE, WFALL	F450W	CR-SPLIT=NO	Pattern 1-2 (2) Prime + Parallel Group 1-2	1100.0 Secs X 2	
								[==>1100.0 Secs (Pattern 1, Copy 1)]	[1]
								[==>1100.0 Secs (Pattern 1, Copy 2)]	
								[==>1100.0 Secs (Pattern 2, Copy 1)]	[2]
								[==>1100.0 Secs (Pattern 2, Copy 2)]	
								[==>1100.0 Secs (Pattern 3, Copy 1)]	[3]
		[==>1100.0 Secs (Pattern 3, Copy 2)]							







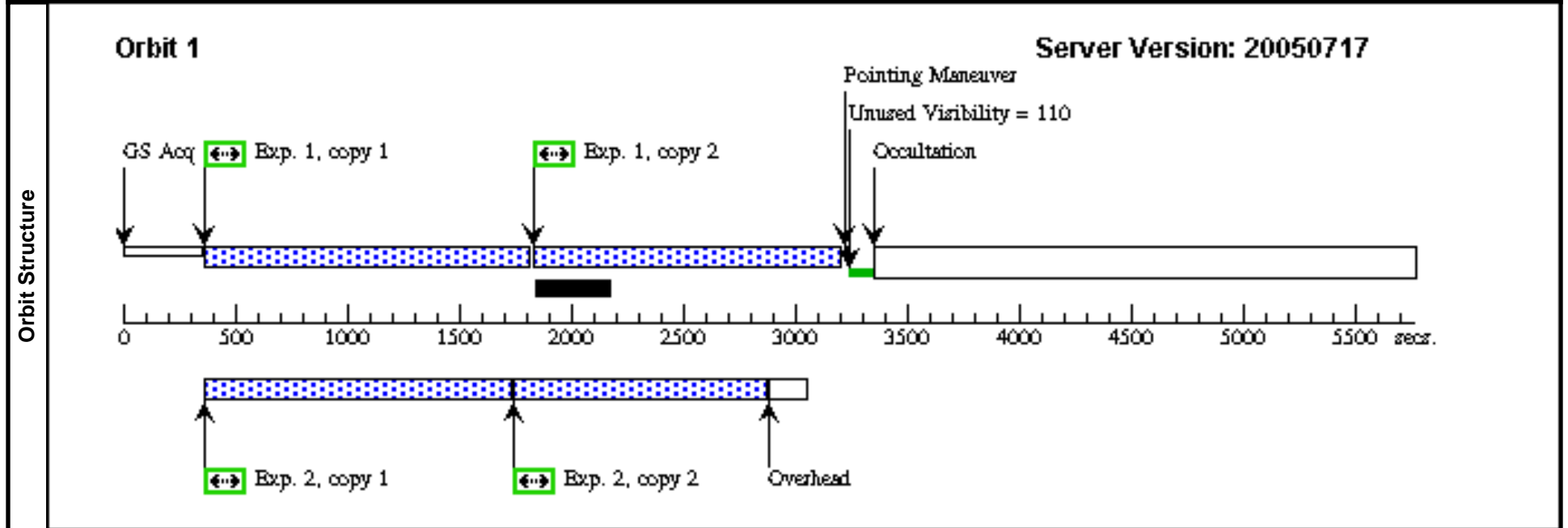
Proposal 10631 - Visit 06 - Intermediate-Age Globular Clusters in M31

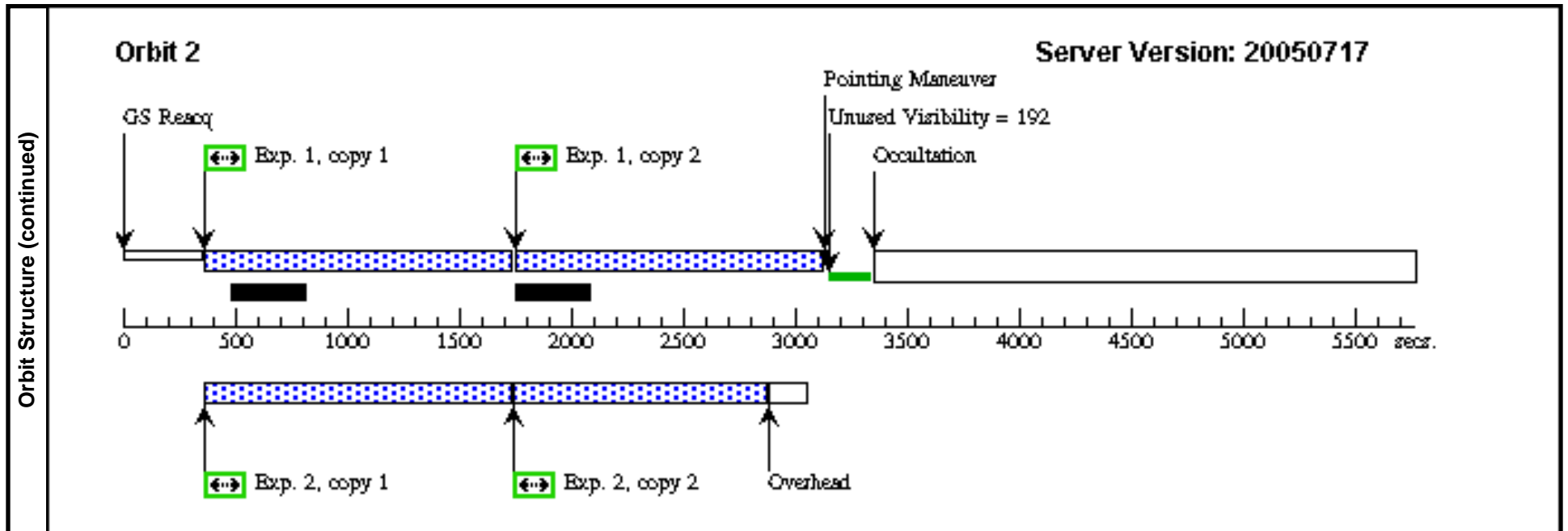
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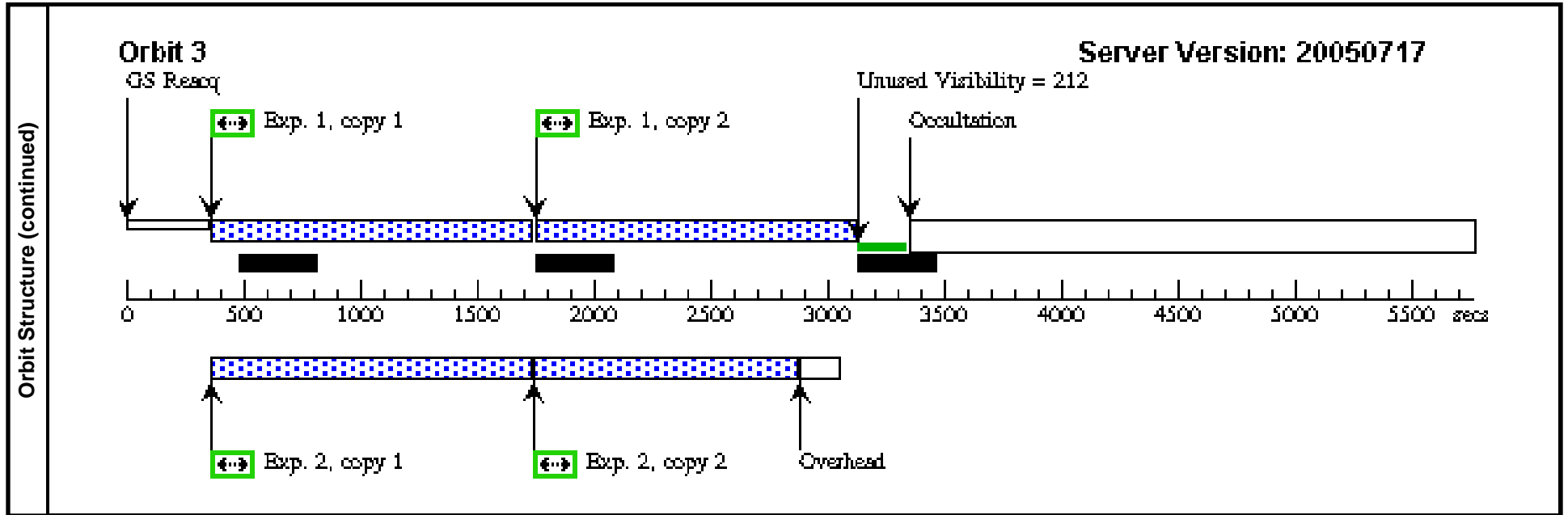
Visit	Proposal 10631, Visit 06 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC, WFPC2 Special Requirements: ORIENT 350.0D TO 27.0 D; ORIENT 82.0D TO 115.0 D; ORIENT 166.0D TO 205.0 D; ORIENT 258.0D TO 295.0 D <i>Comments: In this visit we aim to include three globular cluster in one pointing (B058, B049, and B206D). The primary target is B058. To maximize schedulability the roll angles were optimized to include the clusters B058 and B049 only. The ideal roll angles of 97 and 277 deg include all three clusters within one ACS pointing. The J2000 coordinates of all three clusters are: B058: 00 41 53.01, +40 47 08.63; B049: 00 41 45.60, +40 49 53.73; B206D: 00 41 40.596, +40 50 06.90.</i>									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(2)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.17 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=false					(1-2)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	M31GC-B058-049	RA: 00 41 47.5914 (10.4482975d) Dec: +40 48 29.37 (40.80816d) Equinox: J2000 Plate Id: (?)		V=14.97+/-0.05 B = 15.81	Coordinate Source: Galleti et al. (2004)				
<i>Comments: Coordinates were taken from Galleti et al. (2004, A&A 416, 917)</i>										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	B058-F606 W	(2) M31GC-B058-049	ACS/WFC, ACCUM, WFCENTER	F606W	CR-SPLIT=NO		Pattern 1-2 (2) Prime + Parallel Group 1-2	1315.0 Secs X 2	
									[=>1250.0 Secs (Pattern 1, Copy 1)]	[1]
									[=>1250.0 Secs (Pattern 1, Copy 2)]	
									[=>1250.0 Secs (Pattern 2, Copy 1)]	[2]
								[=>1250.0 Secs (Pattern 2, Copy 2)]		
								[=>1250.0 Secs (Pattern 3, Copy 1)]	[3]	
								[=>1250.0 Secs (Pattern 3, Copy 2)]		

Proposal 10631 - Visit 06 - Intermediate-Age Globular Clusters in M31

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	2	B058-F450 W	ANY	WFPC2, IMAGE, WFALL	F450W	CR-SPLIT=NO	Pattern 1-2 (2) Prime + Parallel Group 1-2	1300.0 Secs X 2	
								[==>1100.0 Secs (Pattern 1, Copy 1)]	[1]
								[==>1100.0 Secs (Pattern 1, Copy 2)]	
								[==>1100.0 Secs (Pattern 2, Copy 1)]	[2]
								[==>1100.0 Secs (Pattern 2, Copy 2)]	
								[==>1100.0 Secs (Pattern 3, Copy 1)]	[3]
							[==>1100.0 Secs (Pattern 3, Copy 2)]		







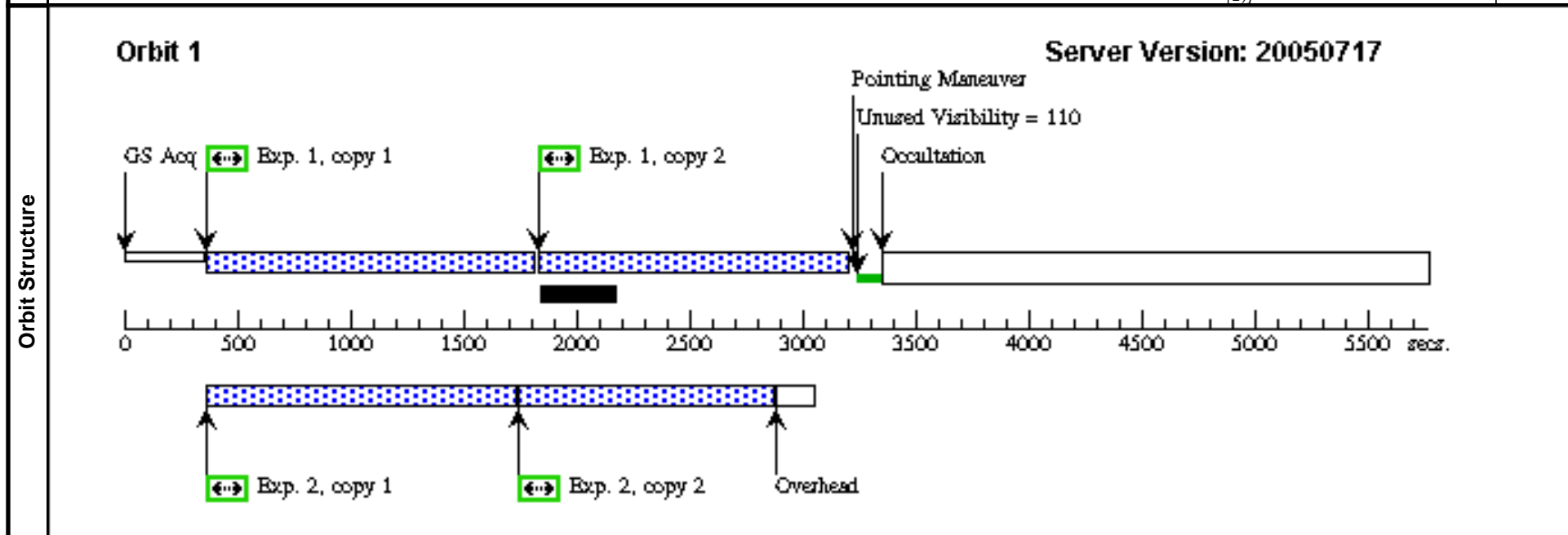
Proposal 10631 - Visit 07 - Intermediate-Age Globular Clusters in M31

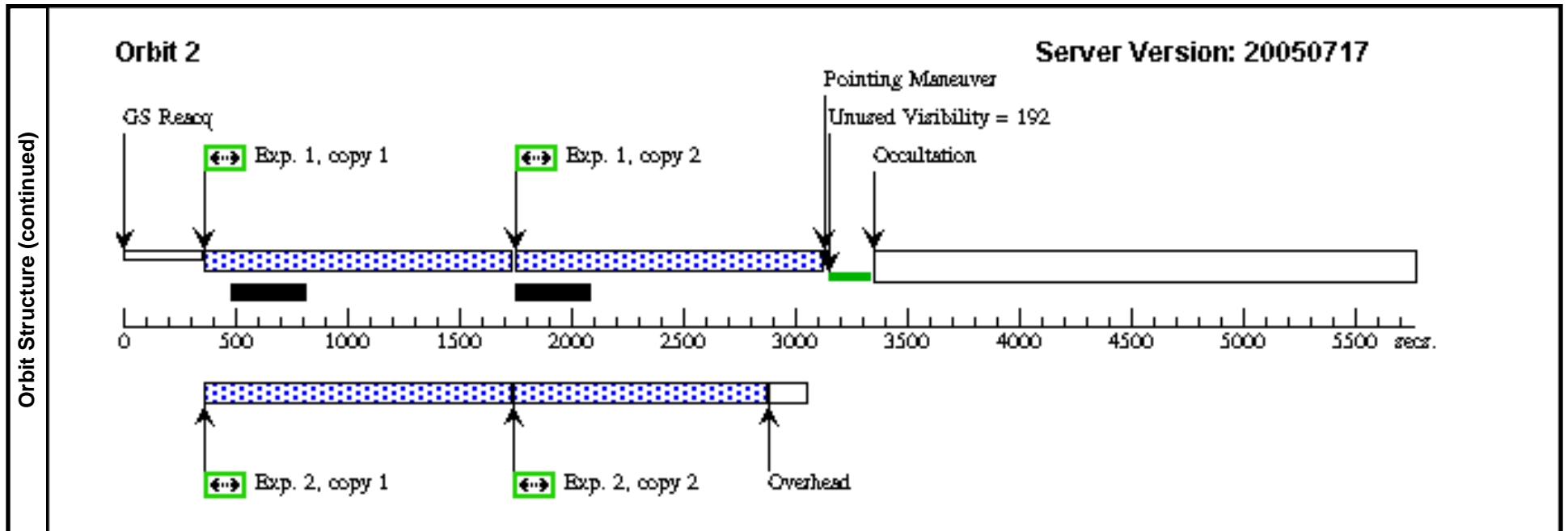
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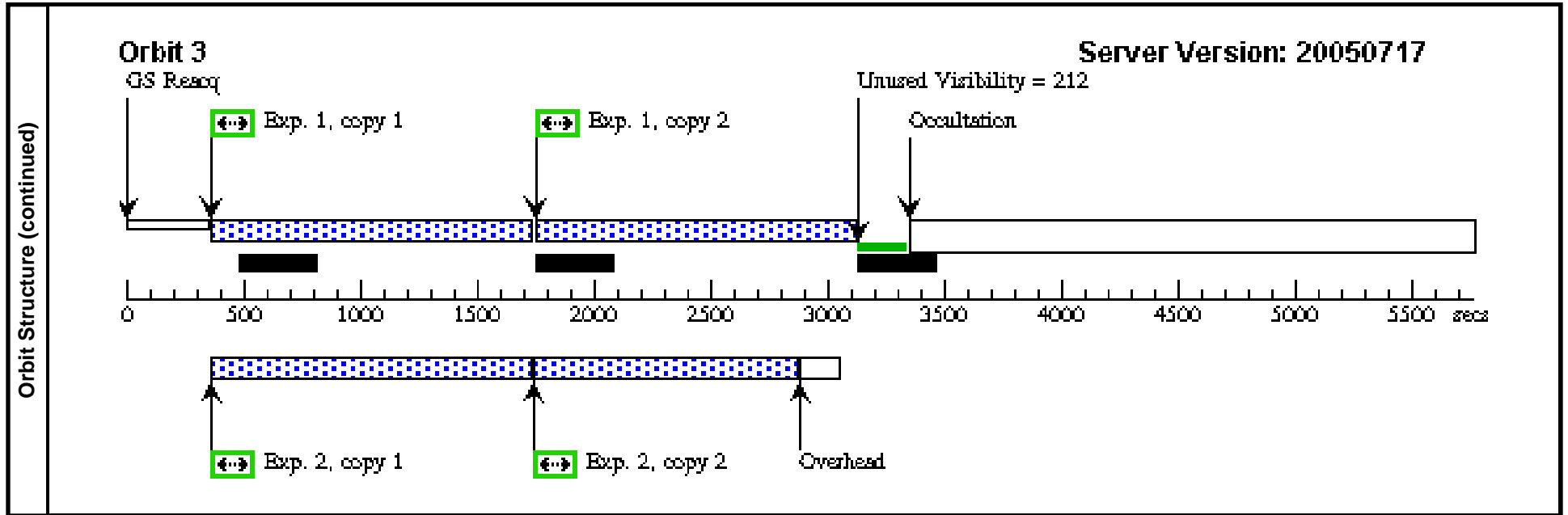
Visit	Proposal 10631, Visit 07 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC, WFPC2 Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(2)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.17 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=false					(1-2)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(3)	M31GC-B292	RA: 00 36 16.5900 (9.0691250d) Dec: +40 58 26.64 (40.97407d) Equinox: J2000 Plate Id: (?)			V=17.0+/-0.05 B = 17.89	Coordinate Source: Galleti et al. (2004)			
	<i>Comments: Coordinates were taken from Galleti et al. (2004, A&A 416, 917)</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	B292-F606 W	(3) M31GC-B292	ACS/WFC, ACCUM, WFC2	F606W	CR-SPLIT=NO		Pattern 1-2 (2) Prime + Parallel Group 1-2	1315.0 Secs X 2	
									[==>1250.0 Secs (Pattern 1, Copy 1)]	[1]
									[==>1250.0 Secs (Pattern 1, Copy 2)]	
									[==>1250.0 Secs (Pattern 2, Copy 1)]	[2]
								[==>1250.0 Secs (Pattern 2, Copy 2)]		
								[==>1250.0 Secs (Pattern 3, Copy 1)]		
								[==>1250.0 Secs (Pattern 3, Copy 2)]	[3]	

Proposal 10631 - Visit 07 - Intermediate-Age Globular Clusters in M31

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
2	B292-F450 W	ANY	WFPC2, IMAGE, WFALL	F450W	CR-SPLIT=NO		Pattern 1-2 (2) Prime + Parallel Group 1-2	1300.0 Secs X 2	
								[=>1100.0 Secs (Pattern 1, Copy 1)]	[1]
								[=>1100.0 Secs (Pattern 1, Copy 2)]	
								[=>1100.0 Secs (Pattern 2, Copy 1)]	[2]
								[=>1100.0 Secs (Pattern 2, Copy 2)]	
								[=>1100.0 Secs (Pattern 3, Copy 1)]	[3]
							[=>1100.0 Secs (Pattern 3, Copy 2)]		







Proposal 10631 - Visit 08 - Intermediate-Age Globular Clusters in M31

Sat Sep 17 01:11:13 GMT 2005

Visit		Proposal 10631, Visit 08 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC, WFPC2 Special Requirements: (none)									
Patterns		#	Primary Pattern				Secondary Pattern				Exposures
		(2)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.17 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=47.2 Angle Between Sides= Center Pattern=false				(1-2)
Fixed Targets		#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
		(4)	M31GC-B350	RA: 00 42 28.3300 (10.6180417d) Dec: +40 24 50.18 (40.41394d) Equinox: J2000 Plate Id: (?)				V=16.74+/-0.05 B = 17.36		Coordinate Source: Galleti et al. (2004)	
		<i>Comments: Coordinates were taken from Galleti et al. (2004, A&A 416, 917)</i>									
Exposures		#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
		1	B350-F606 W	(4) M31GC-B350	ACS/WFC, ACCUM, WFC1	F606W	CR-SPLIT=NO		Pattern 1-2 (2) Prime + Parallel Group 1-2	1315.0 Secs X 2 [==>1250.0 Secs (Pattern 1, Copy 1)] [==>1250.0 Secs (Pattern 1, Copy 2)] [==>1250.0 Secs (Pattern 2, Copy 1)] [==>1250.0 Secs (Pattern 2, Copy 2)] [==>1250.0 Secs (Pattern 3, Copy 1)] [==>1250.0 Secs (Pattern 3, Copy 2)]	[1] [2] [3]

Proposal 10631 - Visit 08 - Intermediate-Age Globular Clusters in M31

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	2	B350-F450 W	ANY	WFPC2, IMAGE, WFALL	F450W	CR-SPLIT=NO	Pattern 1-2 (2) Prime + Parallel Group 1-2	1300.0 Secs X 2	
								[==>1100.0 Secs (Pattern 1, Copy 1)]	[1]
								[==>1100.0 Secs (Pattern 1, Copy 2)]	
								[==>1100.0 Secs (Pattern 2, Copy 1)]	[2]
								[==>1100.0 Secs (Pattern 2, Copy 2)]	
								[==>1100.0 Secs (Pattern 3, Copy 1)]	[3]
							[==>1100.0 Secs (Pattern 3, Copy 2)]		

