



## 10515 - The Unique Star Cluster System of M85

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	(2) M85-NIC3-FIELD1 ANY	ACS/WFC NIC3	1	17-Nov-2005 21:01:05.0	yes
02	ANY (3) M85-NIC3-FIELD2	ACS/WFC NIC3	1	17-Nov-2005 21:01:13.0	yes
03	(4) M85-NIC3-FIELD3 ANY	ACS/WFC NIC3	1	17-Nov-2005 21:01:19.0	yes
04	(5) M85-NIC3-FIELD4 ANY	ACS/WFC NIC3	1	17-Nov-2005 21:01:26.0	yes

Proposal 10515 - 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>
05	(6) M85-NIC3-FIELD5 ANY	ACS/WFC NIC3	1	17-Nov-2005 21:01:31.0	yes
06	(7) M85-NIC3-FIELD6 ANY	ACS/WFC NIC3	1	17-Nov-2005 21:01:36.0	yes
07	(8) M85-NIC3-FIELD7 ANY	ACS/WFC NIC3	1	17-Nov-2005 21:01:40.0	yes
08	ANY (9) M85-NIC3-FIELD8	ACS/WFC NIC3	1	17-Nov-2005 21:01:45.0	yes
09	(10) M85-NIC3-FIELD9 ANY	ACS/WFC NIC3	1	17-Nov-2005 21:01:50.0	yes
10	(11) M85-NIC3-FIELD10 ANY	ACS/WFC NIC3	1	17-Nov-2005 21:01:54.0	yes
11	(12) M85-NIC3-FIELD11 ANY	ACS/WFC NIC3	1	17-Nov-2005 21:01:59.0	yes
12	(13) M85-NIC3-FIELD12 ANY	ACS/WFC NIC3	1	17-Nov-2005 21:02:04.0	yes
13	(14) M85-NIC3-FIELD13 ANY	ACS/WFC NIC3	1	17-Nov-2005 21:02:08.0	yes
14	(15) M85-NIC3-FIELD14 ANY	ACS/WFC NIC3	1	17-Nov-2005 21:02:13.0	yes
15	(16) M85-NIC3-FIELD15 ANY	ACS/WFC NIC3	1	17-Nov-2005 21:02:18.0	yes
16	(17) M85-NIC3-FIELD16 ANY	ACS/WFC NIC3	1	17-Nov-2005 21:02:23.0	yes

## Proposal 10515 - 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>
17	(18) NGC4394-ACS-FIELD	ACS/WFC	2	17-Nov-2005 21:02:28.0	yes
18	(1) M85-ACS-FIELD	ACS/WFC	2	17-Nov-2005 21:02:37.0	yes

20 Total Orbits Used

### **ABSTRACT**

Even with its long history as one of the pillars of modern astronomy, the study of star clusters has continued to reveal new and surprising things. Over the past decade, numerous programs with HST have shown that extragalactic star clusters powerfully probe the processes of galactic formation, evolution, and destruction. The diversity of star cluster systems is a testament to the rich variation in galaxy properties. During the course of the ACS Virgo Cluster Survey, we have discovered that the early-type galaxy M85 has a system of star clusters unlike any other galaxy studied to date. Hundreds of star clusters in M85 are fainter and more extended than typical globular clusters, and have no local analog. We propose deep optical-infrared imaging with ACS and NICMOS to obtain ages, metallicities, luminosities, and sizes of unprecedented precision to characterize these new star clusters and unravel the evolutionary state of M85 that gave rise to them.

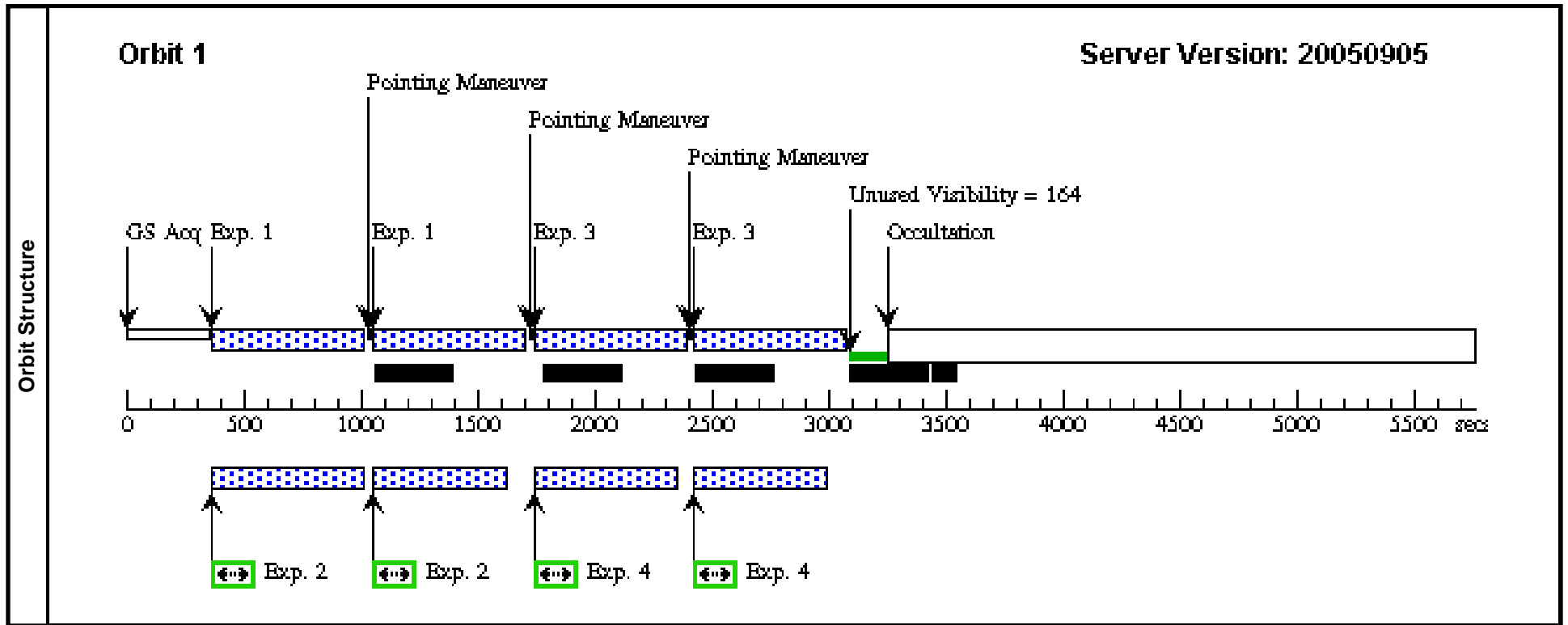
### **OBSERVING DESCRIPTION**

We will observe a system of star clusters in M85 in a field covered by a 4x4 mosaic of 16 NICMOS pointings in the filter F160W. Each mosaic tile will require one orbit of observing time. To improve PSF sampling, we will dither each NICMOS field using four sub-integrations. The field covered by the NICMOS mosaic will also be imaged with ACS in two orbits in the filters F475W and F814W. For the ACS images of M85 we will use the standard UDF dither pattern to optimize the PSF sampling and pixel field integrity. The orientation of each individual NICMOS mosaic field is adjusted such that parallel ACS observations allow optimal coverage of the nearby galaxy NGC 4394 which will be simultaneously imaged in the ACS filters F475W and F814W.

Proposal 10515 - Visit 01 - The Unique Star Cluster System of M85

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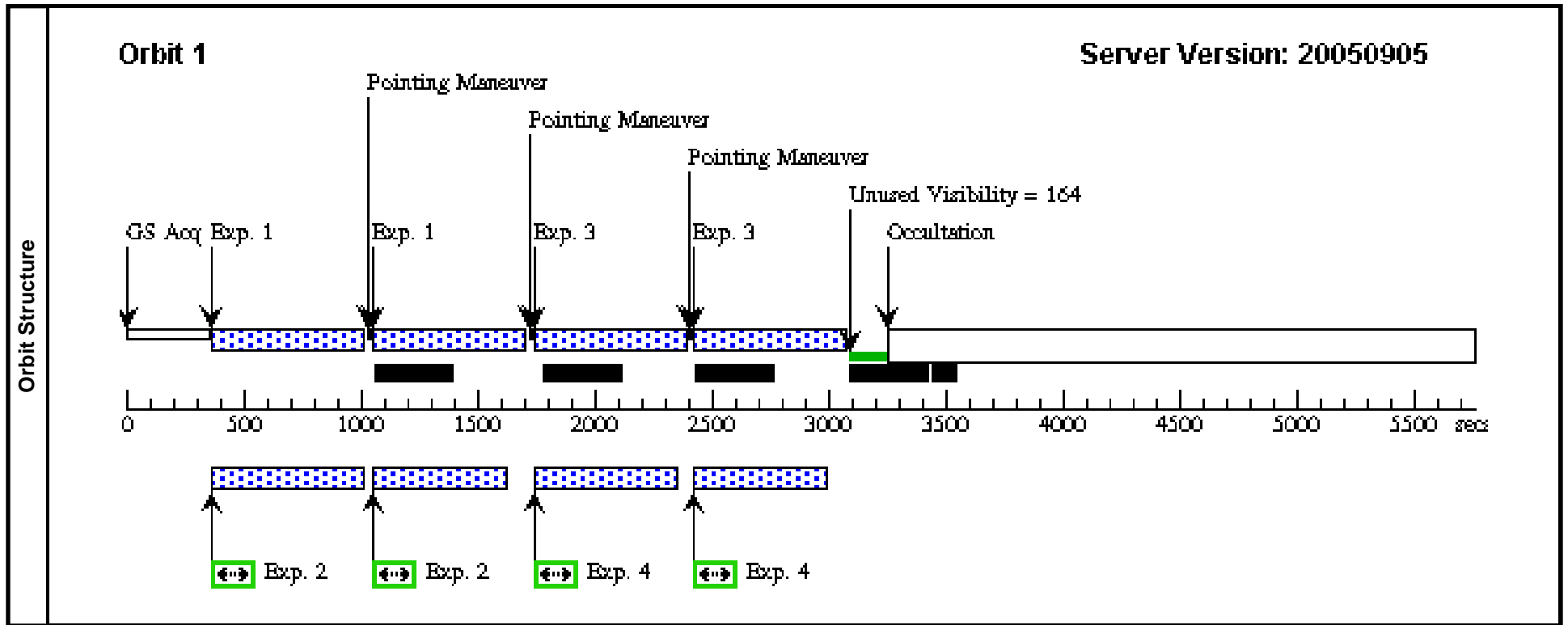
Visit		<b>Proposal 10515, Visit 01</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC, NIC3 Special Requirements: ORIENT 248.0D TO 268.0 D									
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=NIC-SPIRAL-DITH Purpose=DITHER Number Of Points=2 Point Spacing=1.3 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false					(1-2), (3-4)			
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
	(2)	M85-NIC3-FIELD1	RA: 12 25 20.1309 (186.3338788d) Dec: +18 10 17.00 (18.17139d) Equinox: J2000 Plate Id: 00G0		V=24.0+/-1.5	Coordinate Source: GSC_SURVEY_PLATE					
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	nicmos_1_1	(2) M85-NIC3-FIELD1	NIC3, MULTIACCUM, NIC3-FIX	F160W	NSAMP=14; SAMP-SEQ=STEP1 28	POS TARG -0.2,0	Pattern 1-2 (1) Prime + Parallel Group 1-2	[=]>(Pattern 1)] [=]>(Pattern 2)]	[1]	
	2	acspar_1_1	ANY	ACS/WFC, ACCUM, WFC	F475W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Group 1-2	449.0 Secs [=]>(Pattern 1)] [=]>(Pattern 2)]	[1]	
	3	nicmos_1_2	(2) M85-NIC3-FIELD1	NIC3, MULTIACCUM, NIC3-FIX	F160W	SAMP-SEQ=STEP1 28; NSAMP=14	POS TARG -0.4,1.1	Pattern 3-4 (1) Prime + Parallel Group 3-4	[=]>(Pattern 1)] [=]>(Pattern 2)]	[1]	
4	acspar_1_2	ANY	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Pattern 3-4 (1) Prime + Parallel Group 3-4	449.0 Secs [=]>(Pattern 1)] [=]>(Pattern 2)]	[1]		



Proposal 10515 - Visit 02 - The Unique Star Cluster System of M85

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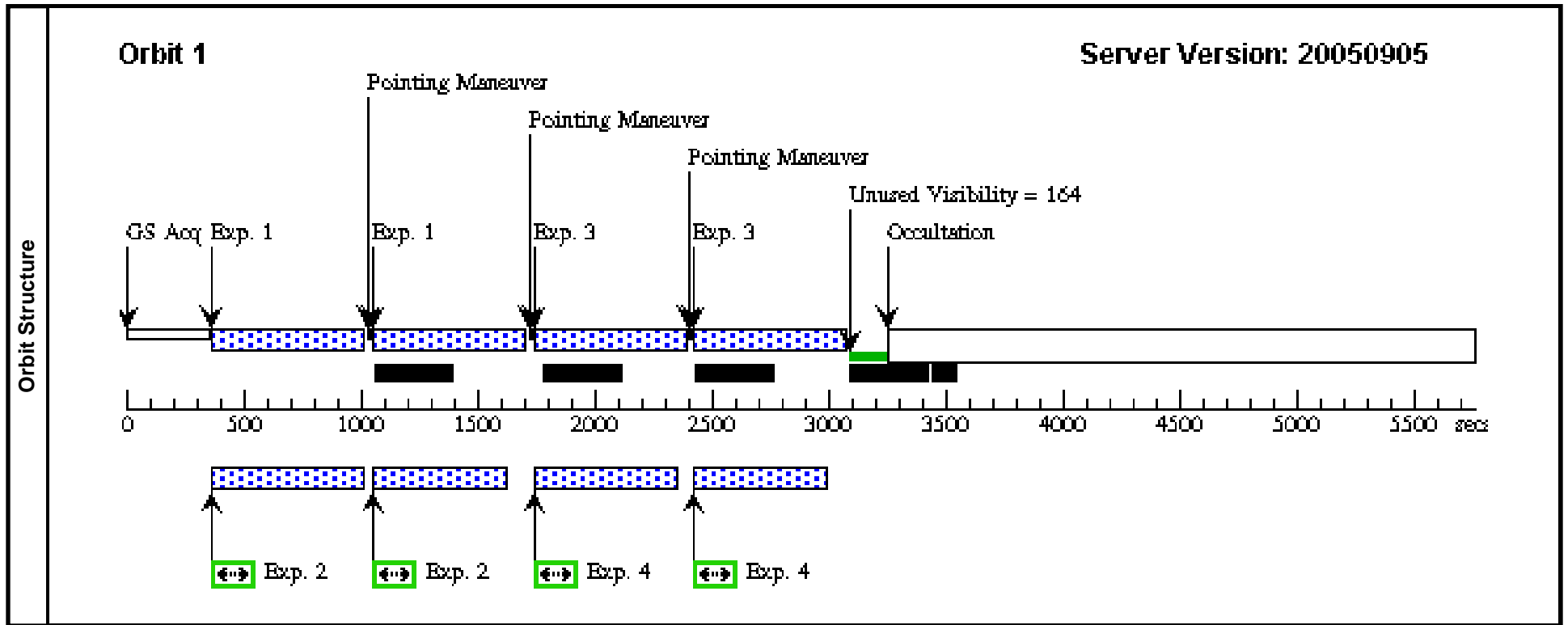
Visit		<b>Proposal 10515, Visit 02</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC, NIC3 Special Requirements: ORIENT 248.0D TO 268.0 D									
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=NIC-SPIRAL-DITH Purpose=DITHER Number Of Points=2 Point Spacing=1.3 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false					(1-2), (3-4)			
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
	(3)	M85-NIC3-FIELD2	RA: 12 25 20.7943 (186.3366429d) Dec: +18 11 9.32 (18.18592d) Equinox: J2000 Plate Id: 00G0		V=24.0+/-1.5	Coordinate Source: GSC_SURVEY_PLATE					
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	nicmos_2_1	(3) M85-NIC3-FIELD2	NIC3, MULTIACCUM, NIC3-FIX	F160W	SAMP-SEQ=STEP1 28; NSAMP=14	POS TARG -0.2,0	Pattern 1-2 (1) Prime + Parallel Group 1-2	[==>(Pattern 1)] [==>(Pattern 2)]	[1]	
	2	acspar_2_1	ANY	ACS/WFC, ACCUM, WFC	F475W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Group 1-2	449.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]	
	3	nicmos_2_2	(3) M85-NIC3-FIELD2	NIC3, MULTIACCUM, NIC3-FIX	F160W	SAMP-SEQ=STEP1 28; NSAMP=14	POS TARG -0.4,1.1	Pattern 3-4 (1) Prime + Parallel Group 3-4	[==>(Pattern 1)] [==>(Pattern 2)]	[1]	
4	acspar_2_2	ANY	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Pattern 3-4 (1) Prime + Parallel Group 3-4	449.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]		



Proposal 10515 - Visit 03 - The Unique Star Cluster System of M85

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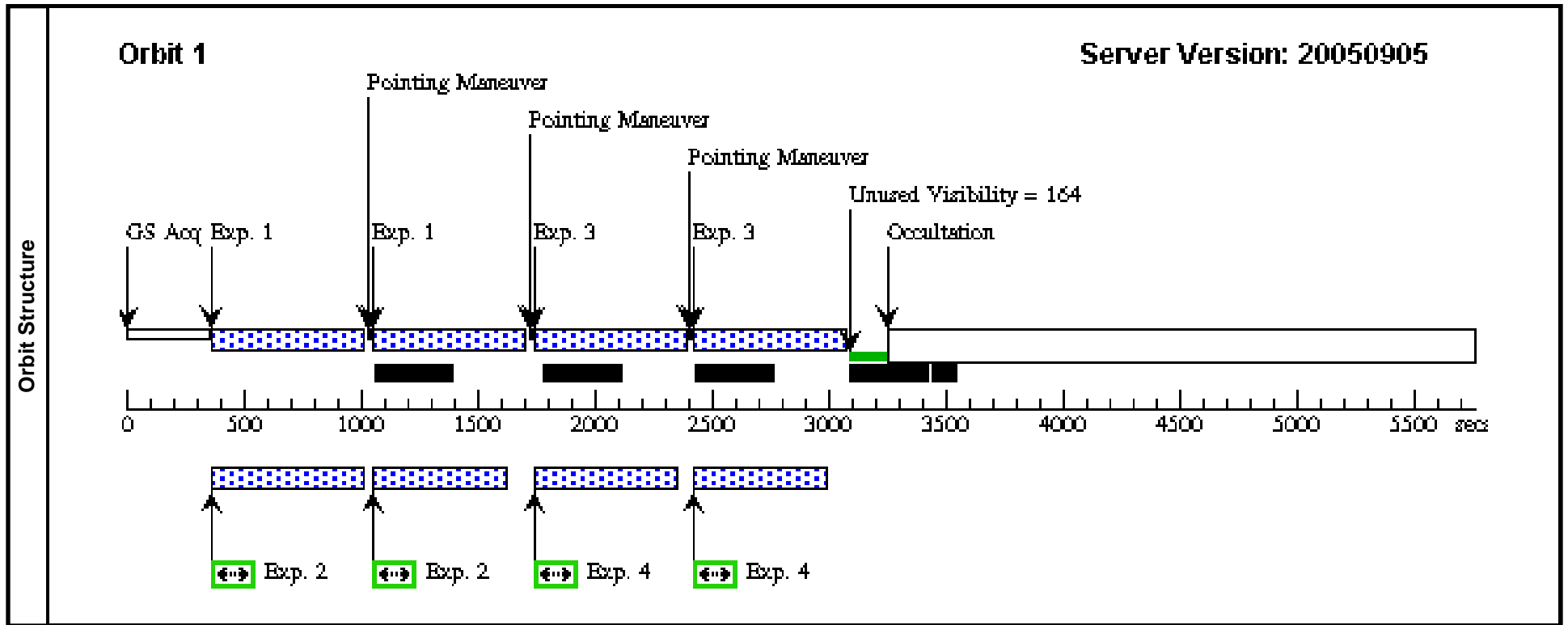
Visit	<b>Proposal 10515, Visit 03</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC, NIC3 Special Requirements: ORIENT 127.0D TO 136.0 D										
	Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
		(1)	Pattern Type=NIC-SPIRAL-DITH Purpose=DITHER Number Of Points=2 Point Spacing=1.3 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false						(1-2), (3-4)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
	(4)	M85-NIC3-FIELD3	RA: 12 25 22.4702 (186.3436258d) Dec: +18 12 5.35 (18.20149d) Equinox: J2000 Plate Id: 00G0		V=24.0+/-1.5	Coordinate Source: GSC_SURVEY_PLATE					
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	nicmos_3_1	(4) M85-NIC3-FIELD3	NIC3, MULTIACCUM, NIC3-FIX	F160W	SAMP-SEQ=STEP1 28; NSAMP=14	POS TARG -0.2,0	Pattern 1-2 (1) Prime + Parallel Group 1-2	[=>(Pattern 1)] [=>(Pattern 2)]		[1]
	2	acspar_3_1	ANY	ACS/WFC, ACCUM, WFC	F475W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Group 1-2	449.0 Secs [=>(Pattern 1)] [=>(Pattern 2)]		[1]
	3	nicmos_3_2	(4) M85-NIC3-FIELD3	NIC3, MULTIACCUM, NIC3-FIX	F160W	SAMP-SEQ=STEP1 28; NSAMP=14	POS TARG -0.4,1.1	Pattern 3-4 (1) Prime + Parallel Group 3-4	[=>(Pattern 1)] [=>(Pattern 2)]		[1]
	4	acspar_3_2	ANY	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Pattern 3-4 (1) Prime + Parallel Group 3-4	449.0 Secs [=>(Pattern 1)] [=>(Pattern 2)]		[1]



Proposal 10515 - Visit 04 - The Unique Star Cluster System of M85

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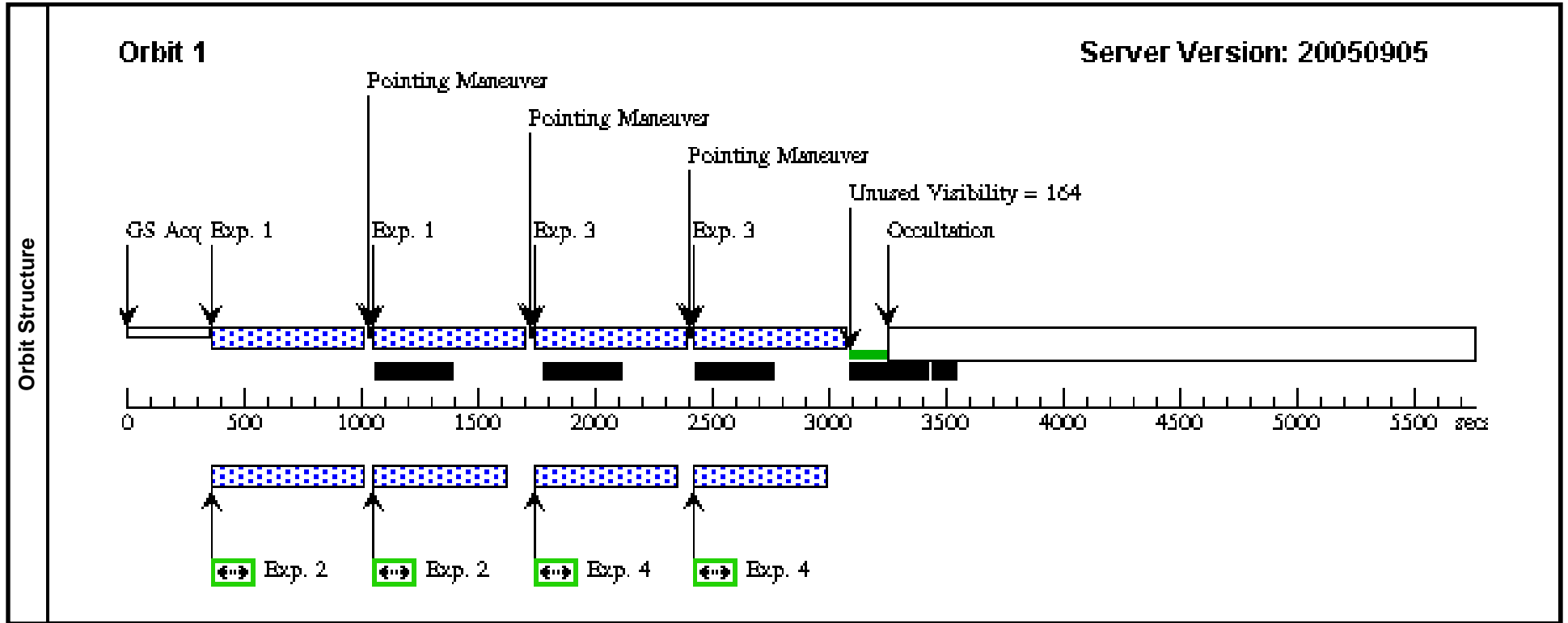
Visit		<b>Proposal 10515, Visit 04</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC, NIC3 Special Requirements: ORIENT 120.0D TO 140.0 D								
Patterns	#	Primary Pattern			Secondary Pattern		Exposures			
	(1)	Pattern Type=NIC-SPIRAL-DITH Purpose=DITHER Number Of Points=2 Point Spacing=1.3 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false				(1-2), (3-4)			
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(5)	M85-NIC3-FIELD4	RA: 12 25 24.0515 (186.3502146d) Dec: +18 12 38.84 (18.21079d) Equinox: J2000 Plate Id: 00G0		V=24.0+/-1.5	Coordinate Source: GSC_SURVEY_PLATE				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	nicmos_4_1	(5) M85-NIC3-FIELD4	NIC3, MULTIACCUM, NIC3-FIX	F160W	SAMP-SEQ=STEP1 28; NSAMP=14	POS TARG -0.2,0	Pattern 1-2 (1) Prime + Parallel Group 1-2	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	acspar_4_1	ANY	ACS/WFC, ACCUM, WFC	F475W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Group 1-2	449.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	nicmos_4_2	(5) M85-NIC3-FIELD4	NIC3, MULTIACCUM, NIC3-FIX	F160W	SAMP-SEQ=STEP1 28; NSAMP=14	POS TARG -0.4,1.1	Pattern 3-4 (1) Prime + Parallel Group 3-4	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
4	acspar_4_2	ANY	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Pattern 3-4 (1) Prime + Parallel Group 3-4	449.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]	



Proposal 10515 - Visit 05 - The Unique Star Cluster System of M85

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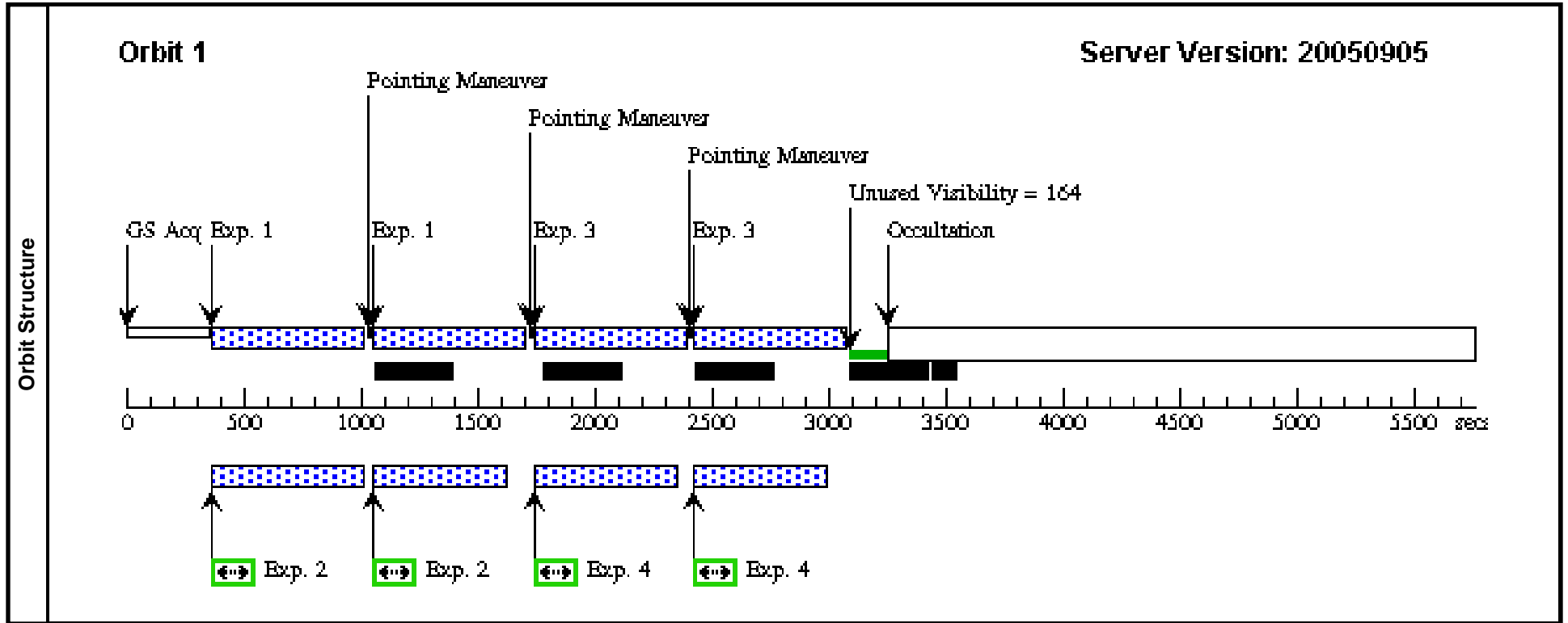
Visit		<b>Proposal 10515, Visit 05</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC, NIC3 Special Requirements: ORIENT 120.0D TO 140.0 D									
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=NIC-SPIRAL-DITH Purpose=DITHER Number Of Points=2 Point Spacing=1.3 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false					(1-2), (3-4)			
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
	(6)	M85-NIC3-FIELD5	RA: 12 25 27.4796 (186.3644983d) Dec: +18 12 42.95 (18.21193d) Equinox: J2000 Plate Id: 00G0		V=24.0+/-1.5	Coordinate Source: GSC_SURVEY_PLATE					
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	nicmos_5_1	(6) M85-NIC3-FIELD5	NIC3, MULTIACCUM, NIC3-FIX	F160W	SAMP-SEQ=STEP1 28; NSAMP=14	POS TARG -0.2,0	Pattern 1-2 (1) Prime + Parallel Group 1-2	[=]>(Pattern 1)] [=]>(Pattern 2)]	[1]	
	2	acspar_5_1	ANY	ACS/WFC, ACCUM, WFC	F475W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Group 1-2	449.0 Secs [=]>(Pattern 1)] [=]>(Pattern 2)]	[1]	
	3	nicmos_5_2	(6) M85-NIC3-FIELD5	NIC3, MULTIACCUM, NIC3-FIX	F160W	SAMP-SEQ=STEP1 28; NSAMP=14	POS TARG -0.4,1.1	Pattern 3-4 (1) Prime + Parallel Group 3-4	[=]>(Pattern 1)] [=]>(Pattern 2)]	[1]	
4	acspar_5_2	ANY	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Pattern 3-4 (1) Prime + Parallel Group 3-4	449.0 Secs [=]>(Pattern 1)] [=]>(Pattern 2)]	[1]		



Proposal 10515 - Visit 06 - The Unique Star Cluster System of M85

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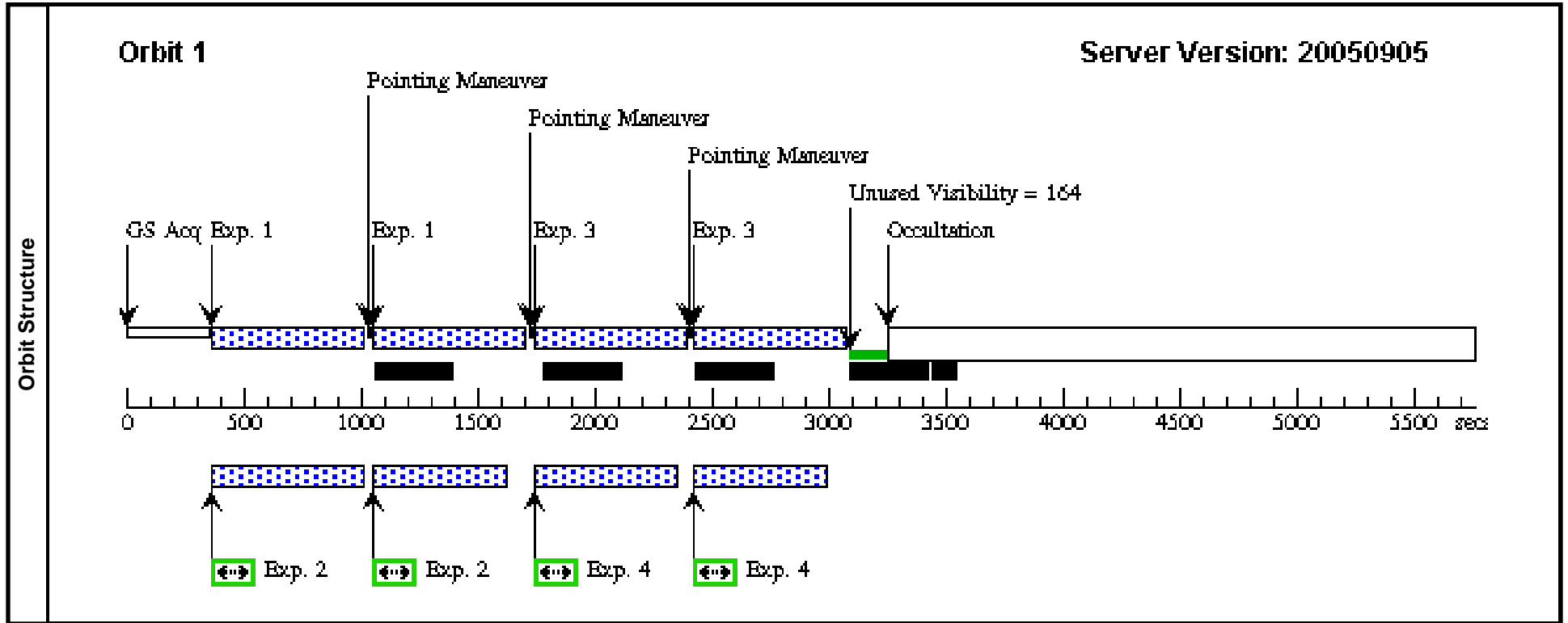
Visit		<b>Proposal 10515, Visit 06</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC, NIC3 Special Requirements: ORIENT 242.0D TO 252.0 D								
Patterns	#	Primary Pattern			Secondary Pattern		Exposures			
	(1)	Pattern Type=NIC-SPIRAL-DITH Purpose=DITHER Number Of Points=2 Point Spacing=1.3 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false				(1-2), (3-4)			
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(7)	M85-NIC3-FIELD6	RA: 12 25 21.1378 (186.3380742d) Dec: +18 11 42.71 (18.19520d) Equinox: J2000 Plate Id: 00G0		V=24.0+/-1.5	Coordinate Source: GSC_SURVEY_PLATE				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	nicmos_6_1	(7) M85-NIC3-FIELD6	NIC3, MULTIACCUM, NIC3-FIX	F160W	SAMP-SEQ=STEP1 28; NSAMP=14	POS TARG -0.2,0	Pattern 1-2 (1) Prime + Parallel Group 1-2	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	acspar_6_1	ANY	ACS/WFC, ACCUM, WFC	F475W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Group 1-2	449.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	nicmos_6_2	(7) M85-NIC3-FIELD6	NIC3, MULTIACCUM, NIC3-FIX	F160W	SAMP-SEQ=STEP1 28; NSAMP=14	POS TARG -0.4,1.1	Pattern 3-4 (1) Prime + Parallel Group 3-4	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
4	acspar_6_2	ANY	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Pattern 3-4 (1) Prime + Parallel Group 3-4	449.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]	



Proposal 10515 - Visit 07 - The Unique Star Cluster System of M85

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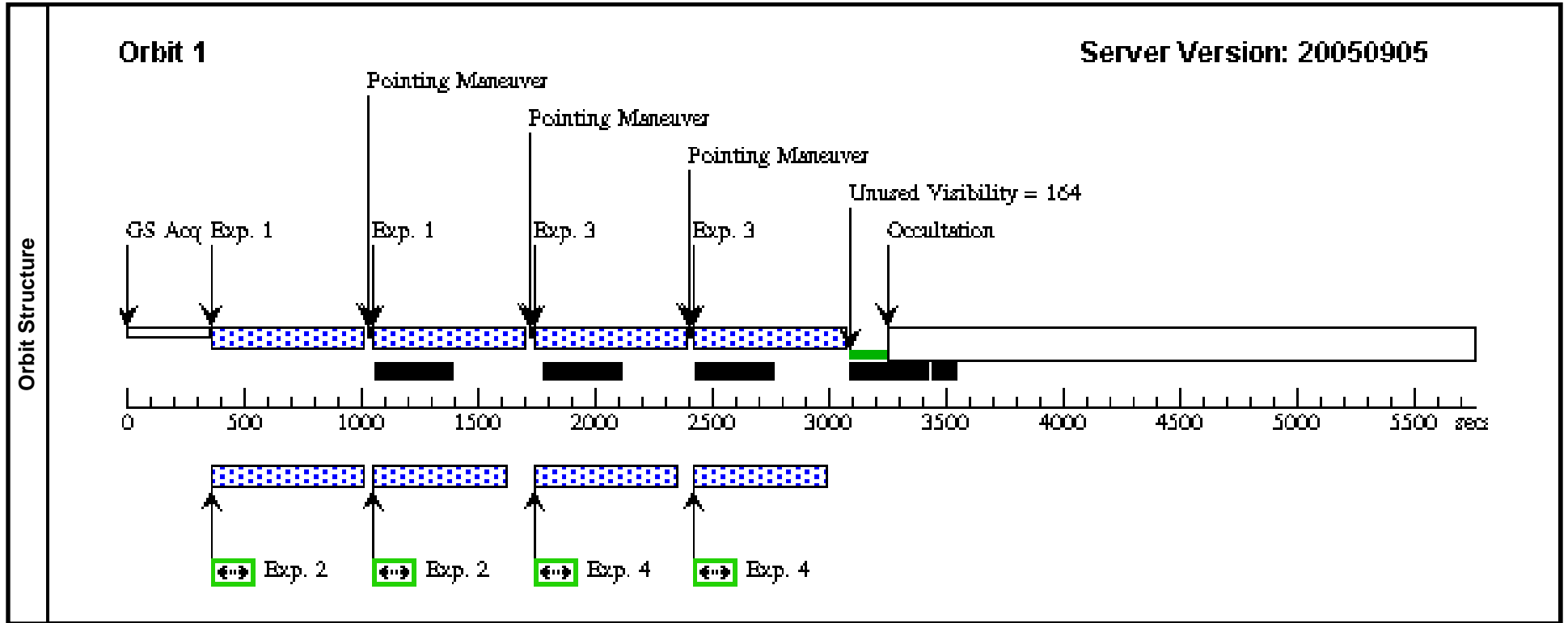
Visit	<b>Proposal 10515, Visit 07</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC, NIC3 Special Requirements: ORIENT 248.0D TO 268.0 D									
	Patterns	#	Primary Pattern				Secondary Pattern			Exposures
		(1)	Pattern Type=NIC-SPIRAL-DITH	Coordinate Frame=POS-TARG						
		Purpose=DITHER	Pattern Orientation=0							
		Number Of Points=2	Angle Between Sides=							
		Point Spacing=1.3	Center Pattern=false							
		Line Spacing=								
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(8)	M85-NIC3-FIELD7	RA: 12 25 24.0416 (186.3501733d) Dec: +18 11 16.61 (18.18795d) Equinox: J2000 Plate Id: 00G0		V=24.0+/-1.5	Coordinate Source: GSC_SURVEY_PLATE				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	nicmos_7_1	(8) M85-NIC3-FIELD7	NIC3, MULTIACCUM, NIC3-FIX	F160W	SAMP-SEQ=STEP1 28; NSAMP=14	POS TARG -0.2,0	Pattern 1-2 (1) Prime + Parallel Group 1-2	[=>(Pattern 1)] [=>(Pattern 2)]	[1]
	2	acspar_7_1	ANY	ACS/WFC, ACCUM, WFC	F475W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Group 1-2	449.0 Secs [=>(Pattern 1)] [=>(Pattern 2)]	[1]
	3	nicmos_7_2	(8) M85-NIC3-FIELD7	NIC3, MULTIACCUM, NIC3-FIX	F160W	SAMP-SEQ=STEP1 28; NSAMP=14	POS TARG -0.4,1.1	Pattern 3-4 (1) Prime + Parallel Group 3-4	[=>(Pattern 1)] [=>(Pattern 2)]	[1]
	4	acspar_7_2	ANY	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Pattern 3-4 (1) Prime + Parallel Group 3-4	449.0 Secs [=>(Pattern 1)] [=>(Pattern 2)]	[1]



Proposal 10515 - Visit 08 - The Unique Star Cluster System of M85

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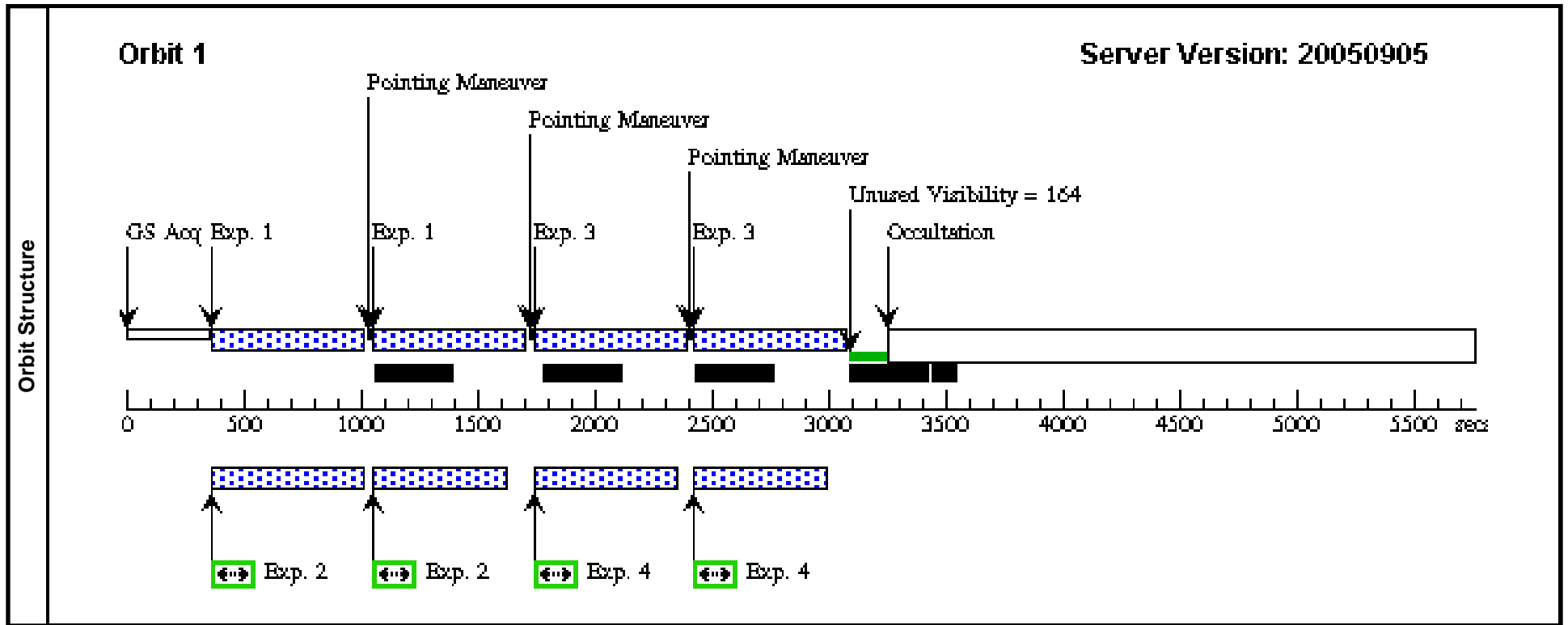
Visit		<b>Proposal 10515, Visit 08</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC, NIC3 Special Requirements: ORIENT 248.0D TO 268.0 D								
Patterns	#	Primary Pattern			Secondary Pattern		Exposures			
	(1)	Pattern Type=NIC-SPIRAL-DITH Purpose=DITHER Number Of Points=2 Point Spacing=1.3 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false				(1-2), (3-4)			
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(9)	M85-NIC3-FIELD8	RA: 12 25 22.4946 (186.3437275d) Dec: +18 10 33.14 (18.17587d) Equinox: J2000 Plate Id: 00G0		V=24.0+/-1.5	Coordinate Source: GSC_SURVEY_PLATE				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	nicmos_8_1	(9) M85-NIC3-FIELD8	NIC3, MULTIACCUM, NIC3-FIX	F160W	SAMP-SEQ=STEP1 28; NSAMP=14	POS TARG -0.2,0	Pattern 1-2 (1) Prime + Parallel Group 1-2	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	acspar_8_1	ANY	ACS/WFC, ACCUM, WFC	F475W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Group 1-2	449.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	nicmos_8_2	(9) M85-NIC3-FIELD8	NIC3, MULTIACCUM, NIC3-FIX	F160W	SAMP-SEQ=STEP1 28; NSAMP=14	POS TARG -0.4,1.1	Pattern 3-4 (1) Prime + Parallel Group 3-4	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
4	acspar_8_2	ANY	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Pattern 3-4 (1) Prime + Parallel Group 3-4	449.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]	



Proposal 10515 - Visit 09 - The Unique Star Cluster System of M85

Fri Nov 18 02:02:43 GMT 2005

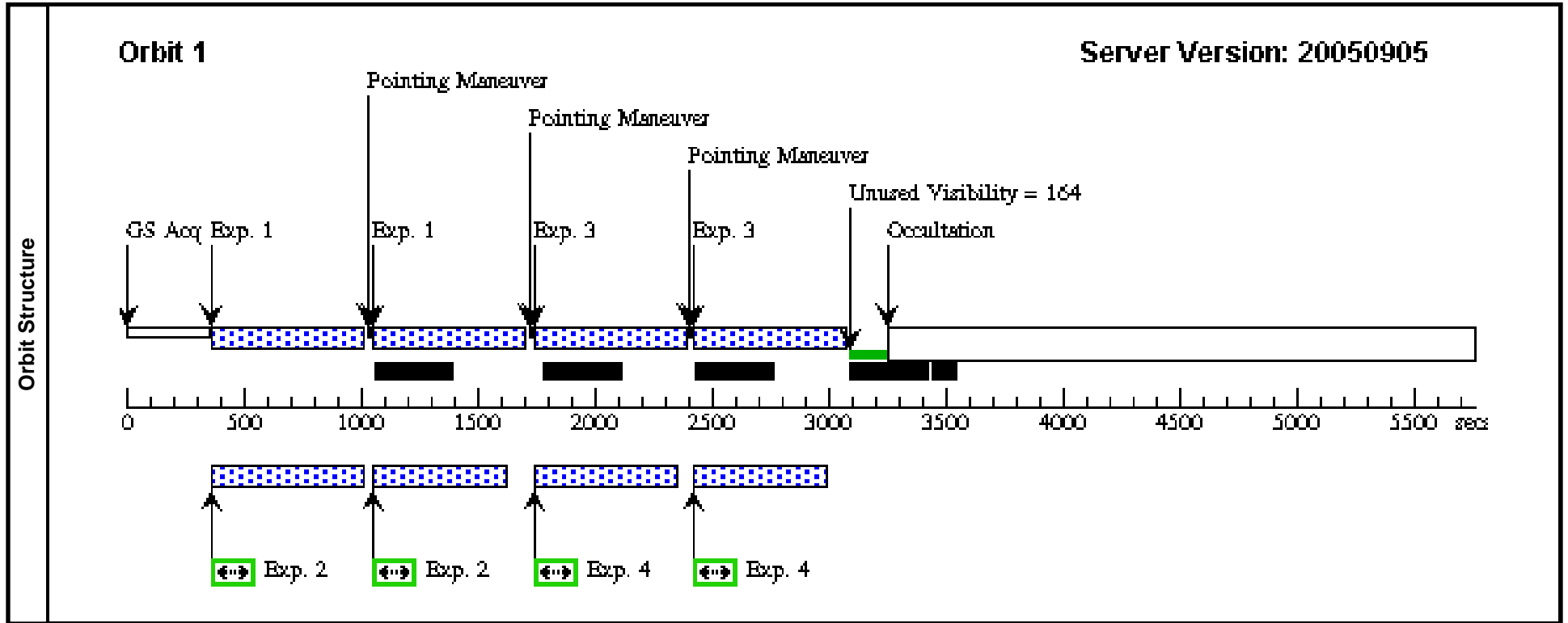
Visit	<b>Proposal 10515, Visit 09</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC, NIC3 Special Requirements: ORIENT 248.0D TO 268.0 D									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=NIC-SPIRAL-DITH Purpose=DITHER Number Of Points=2 Point Spacing=1.3 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false					(1-2), (3-4)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(10)	M85-NIC3-FIELD9	RA: 12 25 25.8074 (186.3575308d) Dec: +18 10 25.98 (18.17388d) Equinox: J2000 Plate Id: 00G0		V=24.0+/-1.5	Coordinate Source: GSC_SURVEY_PLATE				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	nicmos_9_1	(10) M85-NIC3-FIE LD9	NIC3, MULTIACCUM, NIC3-FIX	F160W	SAMP-SEQ=STEP1 28; NSAMP=14	POS TARG -0.2,0	Pattern 1-2 (1) Prime + Parallel Gro up 1-2	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	acspar_9_1	ANY	ACS/WFC, ACCUM, WFC	F475W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Gro up 1-2	449.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	nicmos_9_2	(10) M85-NIC3-FIE LD9	NIC3, MULTIACCUM, NIC3-FIX	F160W	SAMP-SEQ=STEP1 28; NSAMP=14	POS TARG -0.4,1.1	Pattern 3-4 (1) Prime + Parallel Gro up 3-4	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	acspar_9_2	ANY	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Pattern 3-4 (1) Prime + Parallel Gro up 3-4	449.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]



Proposal 10515 - Visit 10 - The Unique Star Cluster System of M85

Fri Nov 18 02:02:44 GMT 2005

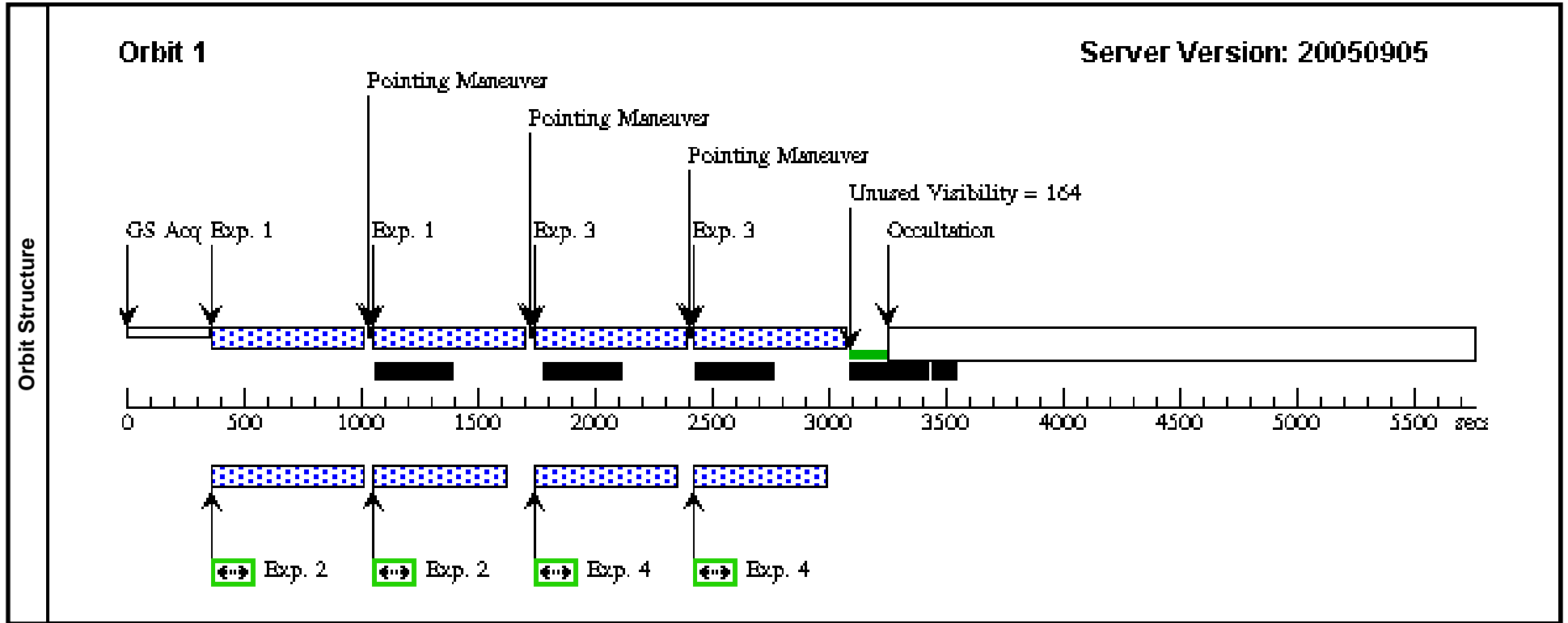
Visit	<b>Proposal 10515, Visit 10</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC, NIC3 Special Requirements: ORIENT 125.0D TO 142.0 D										
	Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
		(1)	Pattern Type=NIC-SPIRAL-DITH Purpose=DITHER Number Of Points=2 Point Spacing=1.3 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false						(1-2), (3-4)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
	(11)	M85-NIC3-FIELD10	RA: 12 25 26.9664 (186.3623600d) Dec: +18 11 10.91 (18.18636d) Equinox: J2000 Plate Id: 00G0		V=24.0+/-1.5	Coordinate Source: GSC_SURVEY_PLATE					
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	nicmos_10_1	(11) M85-NIC3-FIELD10	NIC3, MULTIACCUM, NIC3-FIX	F160W	SAMP-SEQ=STEP1 28; NSAMP=14	POS TARG -0.2,0	Pattern 1-2 (1) Prime + Parallel Group 1-2	[=>(Pattern 1)] [=>(Pattern 2)]		[1]
	2	acspar_10_1	ANY	ACS/WFC, ACCUM, WFC	F475W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Group 1-2	449.0 Secs [=>(Pattern 1)] [=>(Pattern 2)]		[1]
	3	nicmos_10_2	(11) M85-NIC3-FIELD10	NIC3, MULTIACCUM, NIC3-FIX	F160W	SAMP-SEQ=STEP1 28; NSAMP=14	POS TARG -0.4,1.1	Pattern 3-4 (1) Prime + Parallel Group 3-4	[=>(Pattern 1)] [=>(Pattern 2)]		[1]
	4	acspar_10_2	ANY	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Pattern 3-4 (1) Prime + Parallel Group 3-4	449.0 Secs [=>(Pattern 1)] [=>(Pattern 2)]		[1]



Proposal 10515 - Visit 11 - The Unique Star Cluster System of M85

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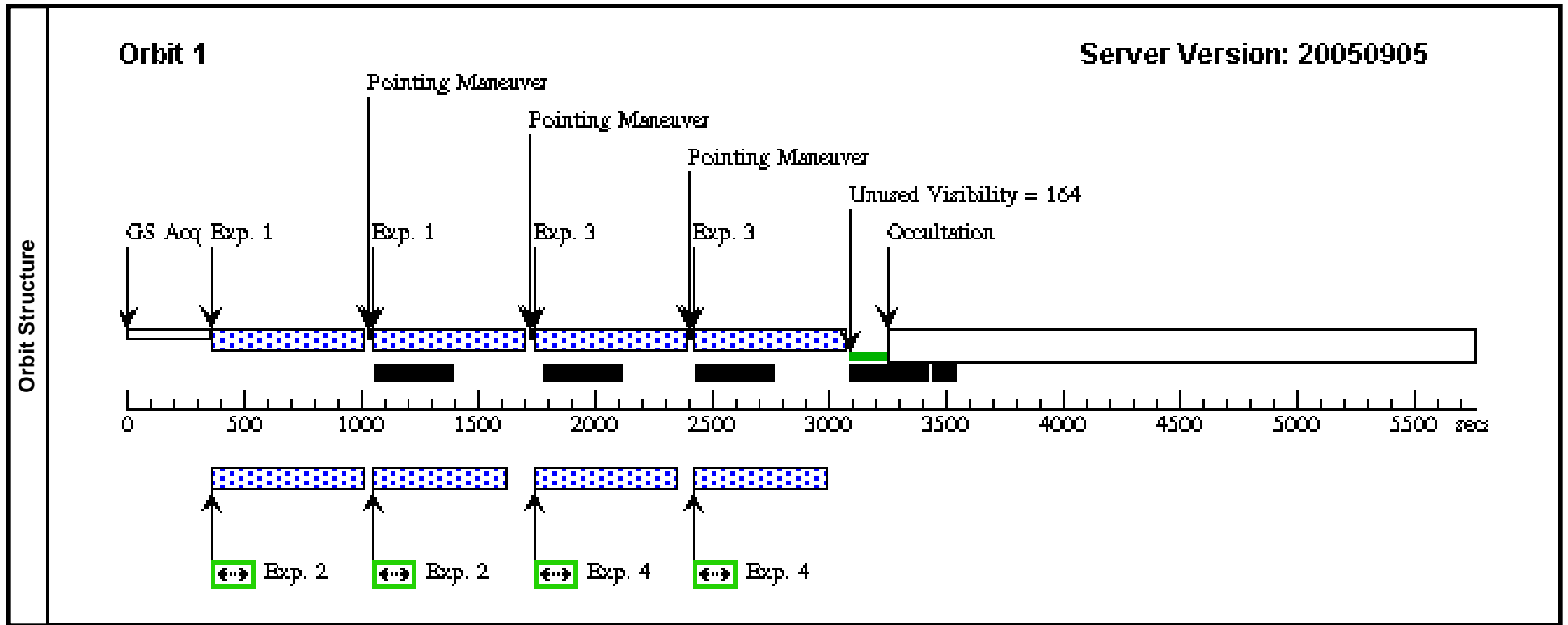
Visit	<b>Proposal 10515, Visit 11</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC, NIC3 Special Requirements: ORIENT 120.0D TO 140.0 D									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=NIC-SPIRAL-DITH	Coordinate Frame=POS-TARG						(1-2), (3-4)
		Purpose=DITHER	Pattern Orientation=0							
		Number Of Points=2	Angle Between Sides=							
		Point Spacing=1.3	Center Pattern=false							
		Line Spacing=								
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(12)	M85-NIC3-FIELD11	RA: 12 25 23.9530 (186.3498042d) Dec: +18 11 49.75 (18.19715d) Equinox: J2000 Plate Id: 00G0		V=24.0+/-1.5	Coordinate Source: GSC_SURVEY_PLATE				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	nicmos_11_1	(12) M85-NIC3-FIELD11	NIC3, MULTIACCUM, NIC3-FIX	F160W	SAMP-SEQ=STEP1 28; NSAMP=14	POS TARG -0.2,0	Pattern 1-2 (1) Prime + Parallel Group 1-2	[=>(Pattern 1)] [=>(Pattern 2)]	[1]
	2	acspar_11_1	ANY	ACS/WFC, ACCUM, WFC	F475W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Group 1-2	449.0 Secs [=>(Pattern 1)] [=>(Pattern 2)]	[1]
	3	nicmos_11_2	(12) M85-NIC3-FIELD11	NIC3, MULTIACCUM, NIC3-FIX	F160W	SAMP-SEQ=STEP1 28; NSAMP=14	POS TARG -0.4,1.1	Pattern 3-4 (1) Prime + Parallel Group 3-4	[=>(Pattern 1)] [=>(Pattern 2)]	[1]
	4	acspar_11_2	ANY	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Pattern 3-4 (1) Prime + Parallel Group 3-4	449.0 Secs [=>(Pattern 1)] [=>(Pattern 2)]	[1]



Proposal 10515 - Visit 12 - The Unique Star Cluster System of M85

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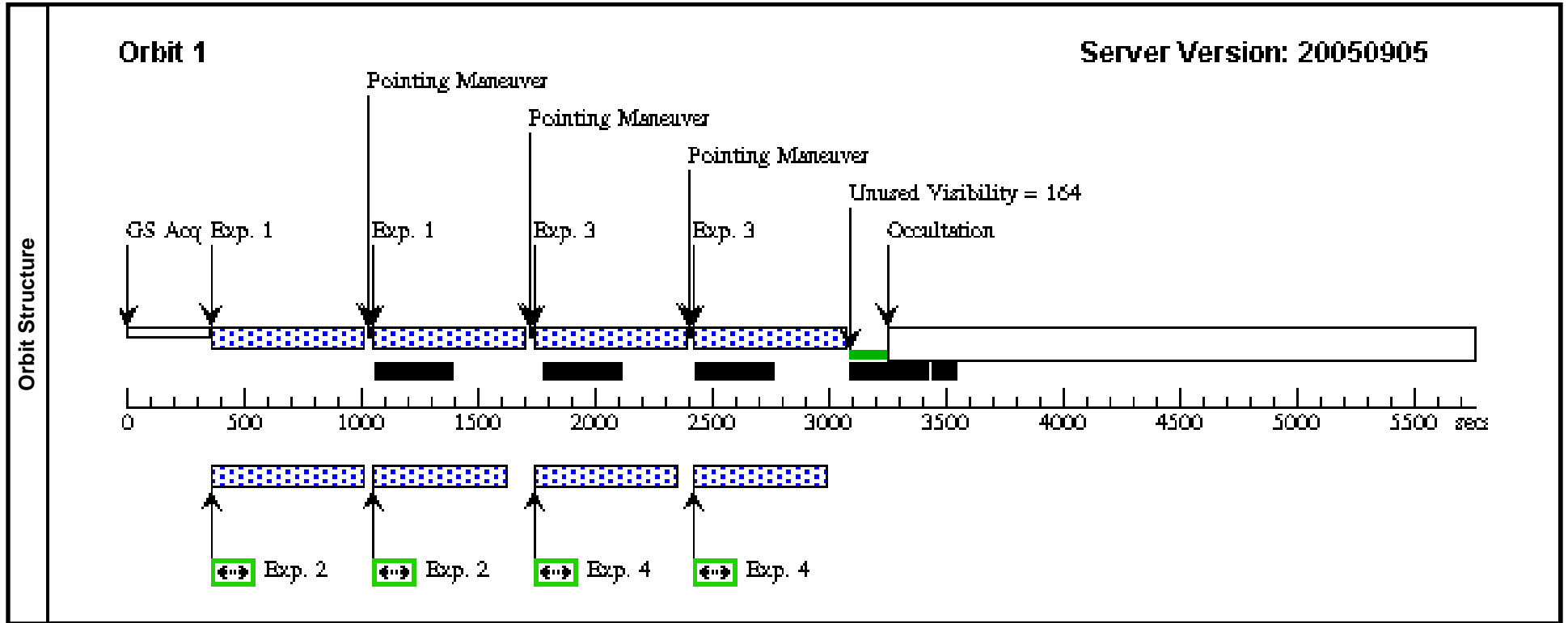
Visit	<b>Proposal 10515, Visit 12</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC, NIC3 Special Requirements: ORIENT 120.0D TO 140.0 D										
	Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
		(1)	Pattern Type=NIC-SPIRAL-DITH Purpose=DITHER Number Of Points=2 Point Spacing=1.3 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false						(1-2), (3-4)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(13)	M85-NIC3-FIELD12	RA: 12 25 30.8479 (186.3785329d) Dec: +18 12 47.48 (18.21319d) Equinox: J2000 Plate Id: 00G0				V=24.0+/-1.5	Coordinate Source: GSC_SURVEY_PLATE			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	nicmos_12_1	(13) M85-NIC3-FIELD12	NIC3, MULTIACCUM, NIC3-FIX	F160W	SAMP-SEQ=STEP1 28; NSAMP=14	POS TARG -0.2,0	Pattern 1-2 (1) Prime + Parallel Group 1-2	[=>(Pattern 1)] [=>(Pattern 2)]	[1]	
	2	acspar_12_1	ANY	ACS/WFC, ACCUM, WFC	F475W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Group 1-2	449.0 Secs [=>(Pattern 1)] [=>(Pattern 2)]	[1]	
	3	nicmos_12_2	(13) M85-NIC3-FIELD12	NIC3, MULTIACCUM, NIC3-FIX	F160W	SAMP-SEQ=STEP1 28; NSAMP=14	POS TARG -0.4,1.1	Pattern 3-4 (1) Prime + Parallel Group 3-4	[=>(Pattern 1)] [=>(Pattern 2)]	[1]	
	4	acspar_12_2	ANY	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Pattern 3-4 (1) Prime + Parallel Group 3-4	449.0 Secs [=>(Pattern 1)] [=>(Pattern 2)]	[1]	



Proposal 10515 - Visit 13 - The Unique Star Cluster System of M85

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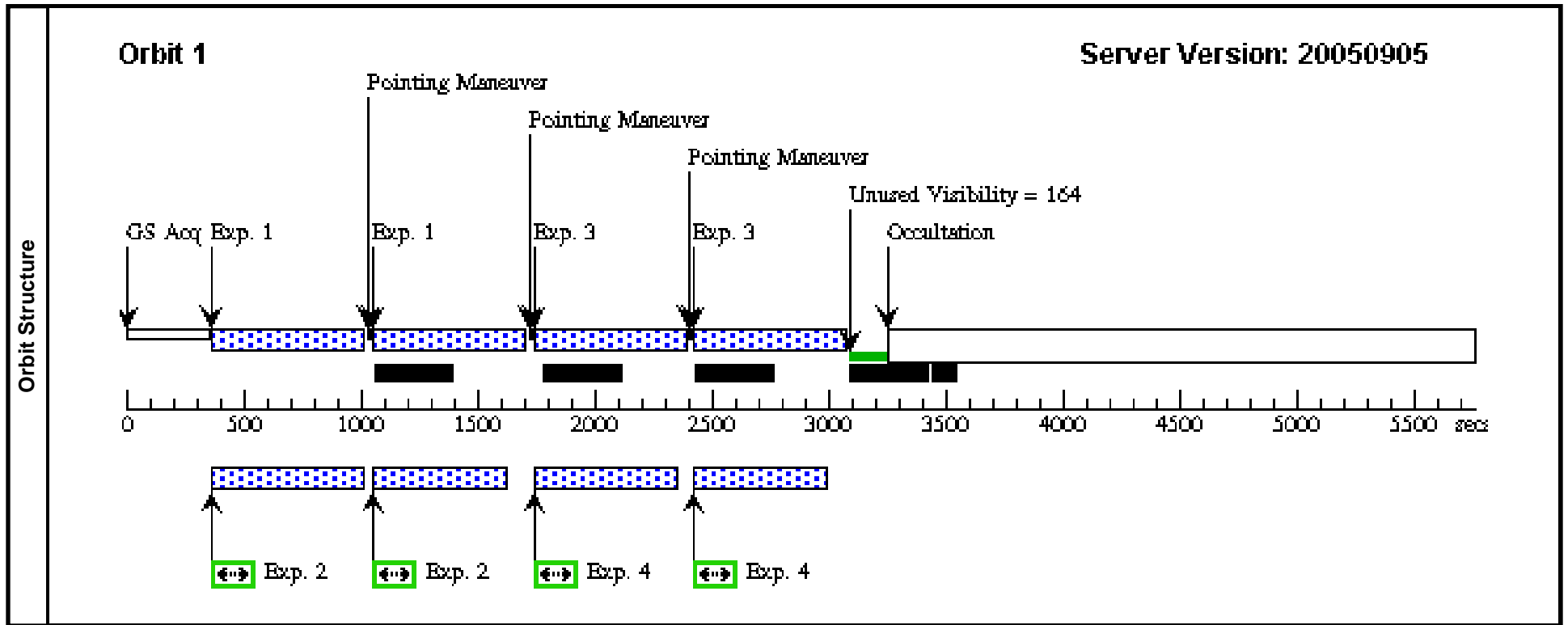
Visit	<b>Proposal 10515, Visit 13</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC, NIC3 Special Requirements: ORIENT 120.0D TO 140.0 D										
	Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
		(1)	Pattern Type=NIC-SPIRAL-DITH Purpose=DITHER Number Of Points=2 Point Spacing=1.3 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false						(1-2), (3-4)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
	(14)	M85-NIC3-FIELD13	RA: 12 25 30.7789 (186.3782454d) Dec: +18 11 57.97 (18.19944d) Equinox: J2000 Plate Id: 00G0		V=24.0+/-1.5	Coordinate Source: GSC_SURVEY_PLATE					
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	nicmos_13_1	(14) M85-NIC3-FIELD13	NIC3, MULTIACCUM, NIC3-FIX	F160W	SAMP-SEQ=STEP1 28; NSAMP=14	POS TARG -0.2,0	Pattern 1-2 (1) Prime + Parallel Group 1-2	[=>(Pattern 1)] [=>(Pattern 2)]		[1]
	2	acspar_13_1	ANY	ACS/WFC, ACCUM, WFC	F475W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Group 1-2	449.0 Secs [=>(Pattern 1)] [=>(Pattern 2)]		[1]
	3	nicmos_13_2	(14) M85-NIC3-FIELD13	NIC3, MULTIACCUM, NIC3-FIX	F160W	SAMP-SEQ=STEP1 28; NSAMP=14	POS TARG -0.4,1.1	Pattern 3-4 (1) Prime + Parallel Group 3-4	[=>(Pattern 1)] [=>(Pattern 2)]		[1]
	4	acspar_13_2	ANY	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Pattern 3-4 (1) Prime + Parallel Group 3-4	449.0 Secs [=>(Pattern 1)] [=>(Pattern 2)]		[1]



Proposal 10515 - Visit 14 - The Unique Star Cluster System of M85

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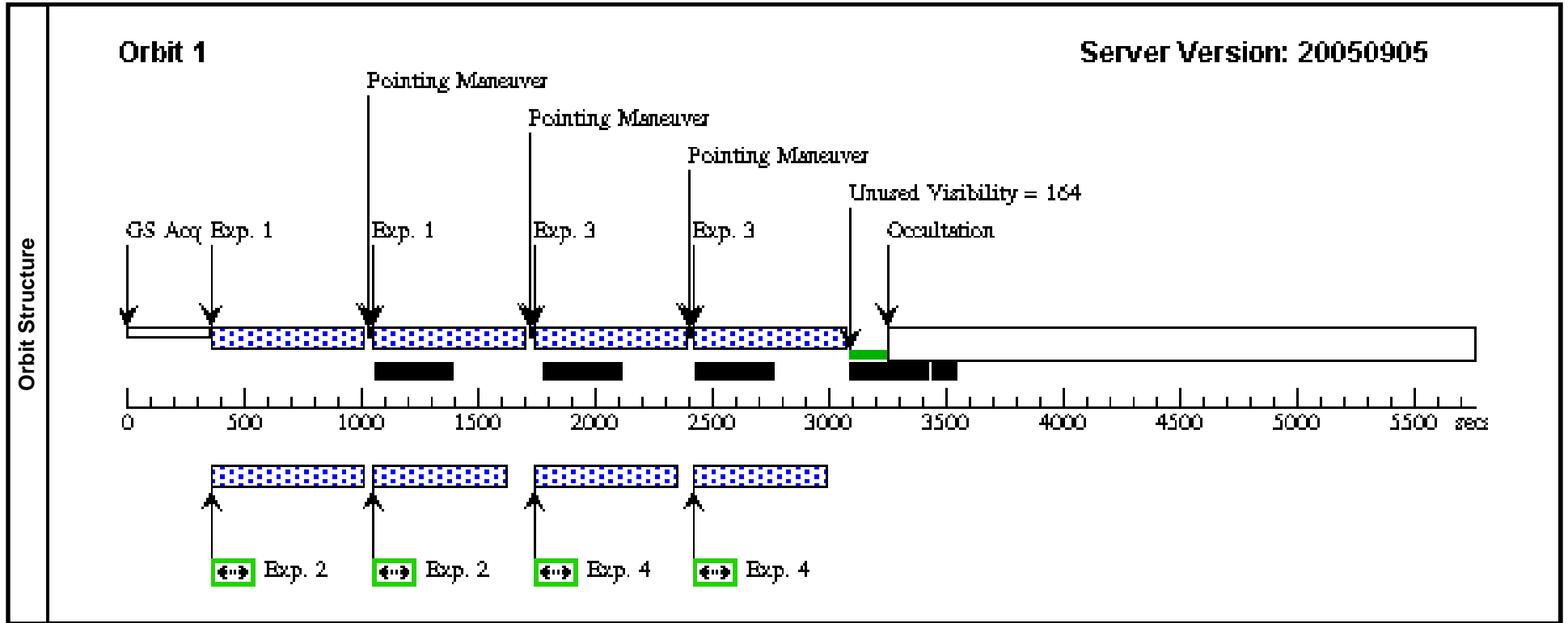
Visit	<b>Proposal 10515, Visit 14</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC, NIC3 Special Requirements: ORIENT 120.0D TO 140.0 D									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=NIC-SPIRAL-DITH Purpose=DITHER Number Of Points=2 Point Spacing=1.3 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false				(1-2), (3-4)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(15)	M85-NIC3-FIELD14	RA: 12 25 27.3659 (186.3640246d) Dec: +18 11 53.86 (18.19829d) Equinox: J2000 Plate Id: 00G0		V=24.0+/-1.5	Coordinate Source: GSC_SURVEY_PLATE				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	nicmos_14_1	(15) M85-NIC3-FIE LD14	NIC3, MULTIACCUM, NIC3-FIX	F160W	SAMP-SEQ=STEP1 28; NSAMP=14	POS TARG -0.2,0	Pattern 1-2 (1) Prime + Parallel Group 1-2	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	acspar_14_1	ANY	ACS/WFC, ACCUM, WFC	F475W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Group 1-2	449.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	nicmos_14_2	(15) M85-NIC3-FIE LD14	NIC3, MULTIACCUM, NIC3-FIX	F160W	SAMP-SEQ=STEP1 28; NSAMP=14	POS TARG -0.4,1.1	Pattern 3-4 (1) Prime + Parallel Group 3-4	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	acspar_14_2	ANY	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Pattern 3-4 (1) Prime + Parallel Group 3-4	449.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]



Proposal 10515 - Visit 15 - The Unique Star Cluster System of M85

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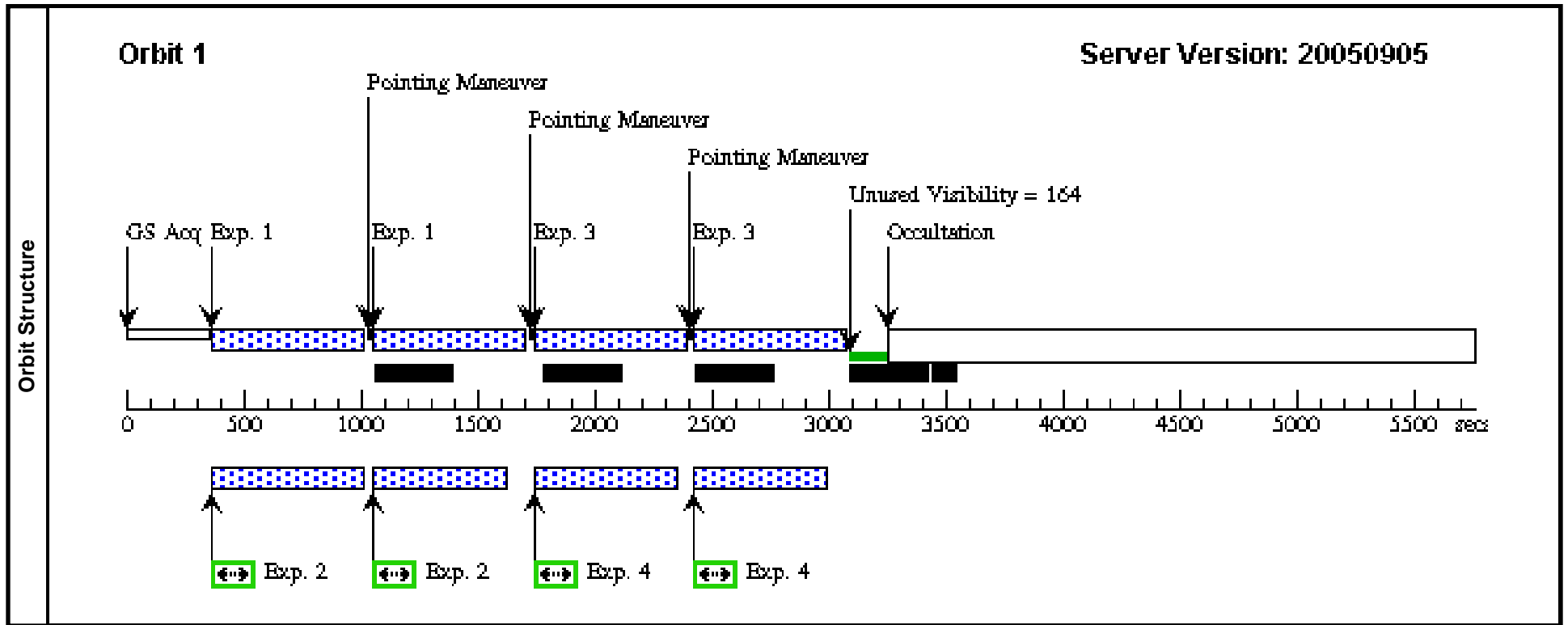
Visit	<b>Proposal 10515, Visit 15</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC, NIC3 Special Requirements: ORIENT 120.0D TO 140.0 D									
	Patterns	#	Primary Pattern				Secondary Pattern			Exposures
		(1)	Pattern Type=NIC-SPIRAL-DITH	Coordinate Frame=POS-TARG						
		Purpose=DITHER	Pattern Orientation=0							
		Number Of Points=2	Angle Between Sides=							
		Point Spacing=1.3	Center Pattern=false							
		Line Spacing=								
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(16)	M85-NIC3-FIELD15	RA: 12 25 30.1581 (186.3756588d) Dec: +18 11 8.62 (18.18573d) Equinox: J2000 Plate Id: 00G0		V=24.0+/-1.5	Coordinate Source: GSC_SURVEY_PLATE				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	nicmos_15_1	(16) M85-NIC3-FIELD15	NIC3, MULTIACCUM, NIC3-FIX	F160W	SAMP-SEQ=STEP1 28; NSAMP=14	POS TARG -0.2,0	Pattern 1-2 (1) Prime + Parallel Group 1-2	[=>(Pattern 1)] [=>(Pattern 2)]	[1]
	2	acspar_15_1	ANY	ACS/WFC, ACCUM, WFC	F475W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Group 1-2	449.0 Secs [=>(Pattern 1)] [=>(Pattern 2)]	[1]
	3	nicmos_15_2	(16) M85-NIC3-FIELD15	NIC3, MULTIACCUM, NIC3-FIX	F160W	SAMP-SEQ=STEP1 28; NSAMP=14	POS TARG -0.4,1.1	Pattern 3-4 (1) Prime + Parallel Group 3-4	[=>(Pattern 1)] [=>(Pattern 2)]	[1]
	4	acspar_15_2	ANY	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Pattern 3-4 (1) Prime + Parallel Group 3-4	449.0 Secs [=>(Pattern 1)] [=>(Pattern 2)]	[1]



Proposal 10515 - Visit 16 - The Unique Star Cluster System of M85

Fri Nov 18 02:02:46 GMT 2005

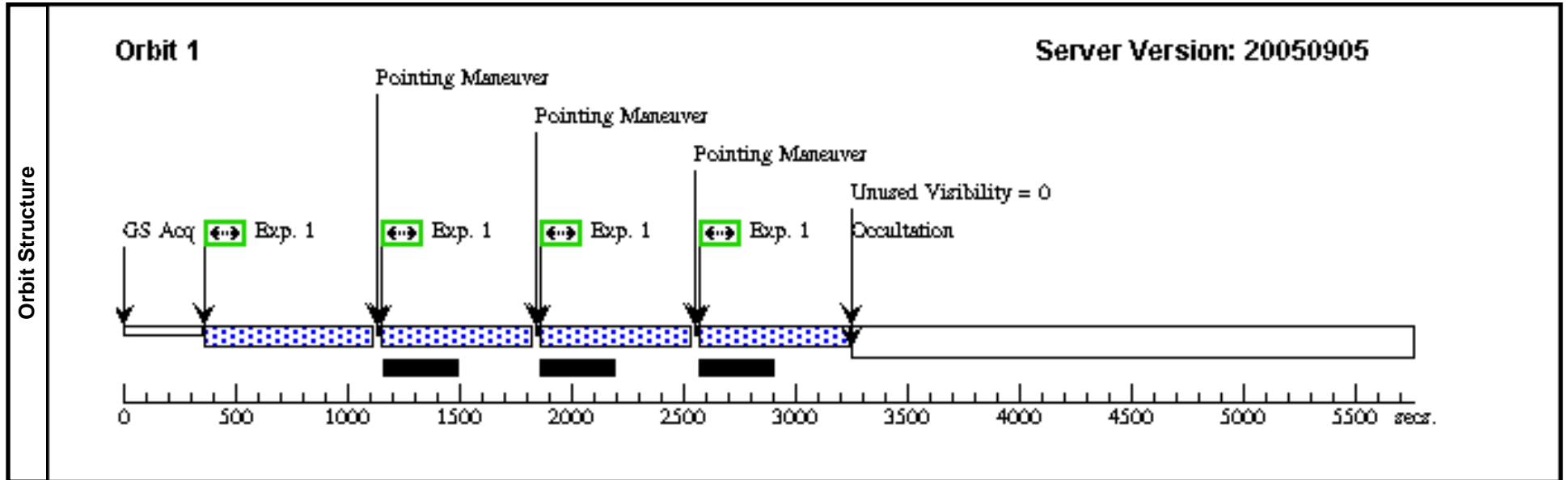
Visit	<b>Proposal 10515, Visit 16</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC, NIC3 Special Requirements: ORIENT 120.0D TO 140.0 D										
	Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
		(1)	Pattern Type=NIC-SPIRAL-DITH Purpose=DITHER Number Of Points=2 Point Spacing=1.3 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false						(1-2), (3-4)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
	(17)	M85-NIC3-FIELD16	RA: 12 25 28.4172 (186.3684050d) Dec: +18 10 24.28 (18.17341d) Equinox: J2000 Plate Id: 00G0		V=24.0+/-1.5	Coordinate Source: GSC_SURVEY_PLATE					
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	nicmos_16_1	(17) M85-NIC3-FIELD16	NIC3, MULTIACCUM, NIC3-FIX	F160W	SAMP-SEQ=STEP1 28; NSAMP=14	POS TARG -0.2,0	Pattern 1-2 (1) Prime + Parallel Group 1-2	[=>(Pattern 1)] [=>(Pattern 2)]		[1]
	2	acspar_16_1	ANY	ACS/WFC, ACCUM, WFC	F475W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Group 1-2	449.0 Secs [=>(Pattern 1)] [=>(Pattern 2)]		[1]
	3	nicmos_16_2	(17) M85-NIC3-FIELD16	NIC3, MULTIACCUM, NIC3-FIX	F160W	SAMP-SEQ=STEP1 28; NSAMP=14	POS TARG -0.4,1.1	Pattern 3-4 (1) Prime + Parallel Group 3-4	[=>(Pattern 1)] [=>(Pattern 2)]		[1]
	4	acspar_16_2	ANY	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Pattern 3-4 (1) Prime + Parallel Group 3-4	449.0 Secs [=>(Pattern 1)] [=>(Pattern 2)]		[1]

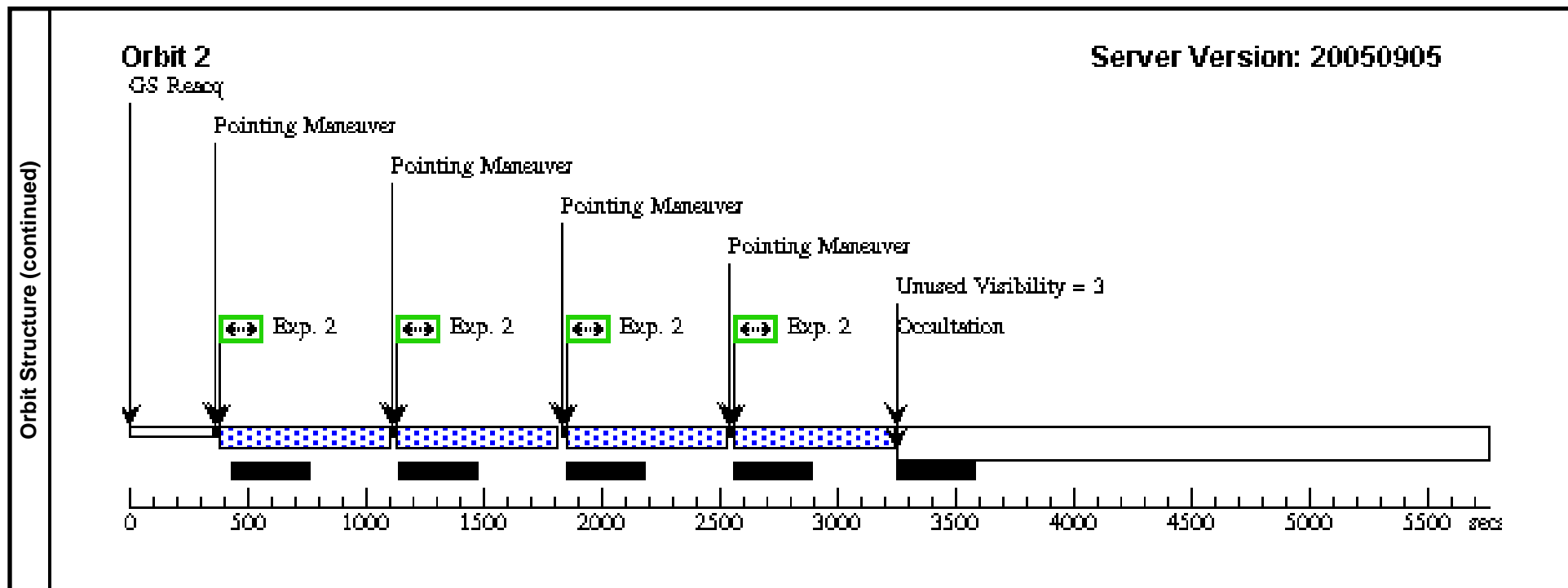


Proposal 10515 - Visit 17 - The Unique Star Cluster System of M85

Fri Nov 18 02:02:46 GMT 2005

Visit		<b>Proposal 10515, Visit 17</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC Special Requirements: ORIENT 0.0D TO 359.0 D								
Patterns	#	Primary Pattern	Secondary Pattern			Exposures				
	(2)	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				
	(18)	NGC4394-ACS-FIELD	RA: 12 25 55.6000 (186.4816667d) Dec: +18 12 50.00 (18.21389d) Equinox: J2000 Plate Id: 00G0		V=24.0+/-1.5	Coordinate Source: GSC_SURVEY_PLATE				
<i>Comments: from NED:</i> 12:25:55.6 +18:12:50.0										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	N4394_F47 5W	(18) NGC4394-ACS-FIELD	ACS/WFC, ACCUM, WFC	F475W	CR-SPLIT=NO		Pattern 1-1 (2)	500.0 Secs [==>551.0 Secs (Pattern 1)] [==>551.0 Secs (Pattern 2)] [==>551.0 Secs (Pattern 3)] [==>551.0 Secs (Pattern 4)]	[1]
	2	N4394_F81 4W	(18) NGC4394-ACS-FIELD	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=NO		Pattern 2-2 (2)	500.0 Secs [==>556.0 Secs (Pattern 1)] [==>556.0 Secs (Pattern 2)] [==>556.0 Secs (Pattern 3)] [==>556.0 Secs (Pattern 4)]	[2]





Proposal 10515 - Visit 18 - The Unique Star Cluster System of M85

Fri Nov 18 02:02:46 GMT 2005

<b>Visit</b>	<b>Proposal 10515, Visit 18</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: ACS/WFC Special Requirements: ORIENT 258.0D TO 278.0 D				
	<b>Patterns</b>	# <b>Primary Pattern</b> (2) 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	<b>Secondary Pattern</b>	<b>Exposures</b> (1), (2)
<b>Fixed Targets</b>	# <b>Name</b> (1) M85-ACS-FIELD  <i>Comments: from the archive:                  12 25 24.74 +18 11 25.1</i>  <i>yours:                  12 25 24.8424 +18 11 26.88</i>	<b>Target Coordinates</b> RA: 12 25 24.7400 (186.3530833d) Dec: +18 11 25.10 (18.19031d) Equinox: J2000 Plate Id: 00G0	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b> V=24.0+/-1.5	<b>Miscellaneous</b> Coordinate Source: GSC_SURVEY_PLATE
<b>Exposures</b>	# <b>Label</b> <b>Target</b> <b>Config,Mode,Aperture</b> <b>Spectral Els.</b> <b>Opt. Params.</b> <b>Special Reqs.</b> <b>Groups</b> <b>Exp. Time/[Actual Dur.]</b> <b>Orbit</b>	1 M85_F475 W (1) M85-ACS-FIELD ACS/WFC, ACCUM, WFC F475W CR-SPLIT=NO Pattern 1-1 (2) 500.0 Secs [==>551.0 Secs (Pattern 1)] [==>551.0 Secs (Pattern 2)] [==>551.0 Secs (Pattern 3)] [==>551.0 Secs (Pattern 4)]	[1]	2 M85_F814 W (1) M85-ACS-FIELD ACS/WFC, ACCUM, WFC F814W CR-SPLIT=NO Pattern 2-2 (2) 500.0 Secs [==>556.0 Secs (Pattern 1)] [==>556.0 Secs (Pattern 2)] [==>556.0 Secs (Pattern 3)] [==>556.0 Secs (Pattern 4)]	[2]

