



10605 - Quantifying Star Formation and Feedback: The M81 Group Dwarf Galaxies

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) MESSIER-081-DWARF-A	ACS/WFC	4	22-Feb-2006 21:01:03.0	yes
02	(2) UGC-05423	ACS/WFC	2	22-Feb-2006 21:01:09.0	yes
03	(3) UGC-04483	ACS/WFC	2	22-Feb-2006 21:01:14.0	yes
04	(4) UGC-5139	ACS/WFC	4	22-Feb-2006 21:01:19.0	yes
05	(5) UGC-04459	ACS/WFC	2	22-Feb-2006 21:01:26.0	yes
06	(6) UGC-5336	ACS/WFC	2	22-Feb-2006 21:01:30.0	yes
07	(7) UGC-4305-1	ACS/WFC	2	22-Feb-2006 21:01:34.0	yes

Proposal 10605 - 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>
08	(9) UGC-08201	ACS/WFC	2	22-Feb-2006 21:01:37.0	yes
09	(10) NGC-2366-1	ACS/WFC	2	22-Feb-2006 21:01:41.0	yes
10	(13) IC-2574-2 (12) IC-2574-1	ACS/WFC	4	22-Feb-2006 21:01:47.0	yes
50	(14) IC-2574-1-COPY	ACS/WFC	4	22-Feb-2006 21:01:53.0	yes
Z7	(8) UGC-4305-2	ACS/WFC	2	22-Feb-2006 21:01:57.0	yes
Z9	(11) NGC-2366-2	ACS/WFC	2	22-Feb-2006 21:02:01.0	yes

34 Total Orbits Used

ABSTRACT

Studies of the impact of star formation via stellar winds and supernovae ('feedback') on the properties of a galaxy are of fundamental importance to understanding galaxy evolution. One crucial aspect in these studies is a precise census of the recent star formation in a galaxy. The aim of this proposal is to obtain spatially resolved star formation histories with a time resolution of roughly 30 Myr over the last 500 Myr in a carefully designed sample using the absolutely unique capabilities of the ACS. Our sample comprises 10 galaxies in the M81 group which is host to a wide diversity of dwarf star forming galaxies. They span ranges of 6 magnitudes in luminosity, 1000 in current star formation rate, and 0.5 dex in metallicity. The ACS observations will allow us to directly observe the strength and spatial relationships of all of the star formation in these galaxies in the last 500 Myr. We can then quantify the star formation and measure (1) the fraction of star formation that is triggered by feedback, (2) the fraction of star formation that occurs in clusters and associations, and (3) to what degree future star formation is governed by the feedback from previous star formation. The ACS observations will be complemented with high-quality ancillary data collected by our team for all galaxies (e.g., Spitzer, UV/optical/NIR, VLA HI). We will calculate the energy created by star formation events and compare it to the estimated energy deposited into the local ISM. This will enable us to construct prescriptions of how star formation and feedback depend on metallicity, size, gas content, and current star formation rates in galaxies. Our resolved star formation maps will be compared with star formation rates inferred from H-alpha, UV, and IR observations - allowing an independent calibration of these techniques. Recent ACS imaging by us of one galaxy in the same group clearly demonstrates the feasibility of the proposed program. Most of the sample galaxies are located in the CVZ, making this an extremely efficient program.

OBSERVING DESCRIPTION

The goal of this proposal is to construct and interpret global and spatially resolved star formation histories (SFHs) for the M81 group dwarf galaxies. This is done by creating color-magnitude diagrams (CMDs) and then using stellar evolution models to convert these CMDs into SFHs. Because all of the M81 dwarfs are at high Galactic latitude and most of them are located in the CVZ, deep imaging can be achieved efficiently.

V and I band imaging will be obtained using the ACS (4000s in both F555W and F814W). This can be achieved with 2 CVZ orbits (and 4 orbits for the 2 non-CVZ galaxies). This will allow us to reach to 27.5 mag. ($M_V \sim -0.5$) in V and 26.8 mag. in I at a S/N of 5 ('optimal' S/N = 10). The majority (7) of the sample can be covered in one pointing per galaxy. For the three larger galaxies we are proposing multiple pointings so that we can cover a large fraction of the optically visible galaxy; these systems are critical to the experiment in order to provide a statistically significant sample of star forming "cells" and to study the interactions of different regions of star formation. In the case of IC 2574, we will add two pointings to the one field that we have already imaged. Because we are focused on the recent star forming events for the purpose of quantifying feedback, we will cover all of the active star forming regions in these galaxies, but not extend the coverage to the limit of the HI or D₂₅. Previous observations of Local Group dwarf galaxies indicate that complete radial coverage in this manner would roughly triple the observing time and yield very little additional recent star formation.

REAL TIME JUSTIFICATION

This program poses no real-time or special scheduling requirements.

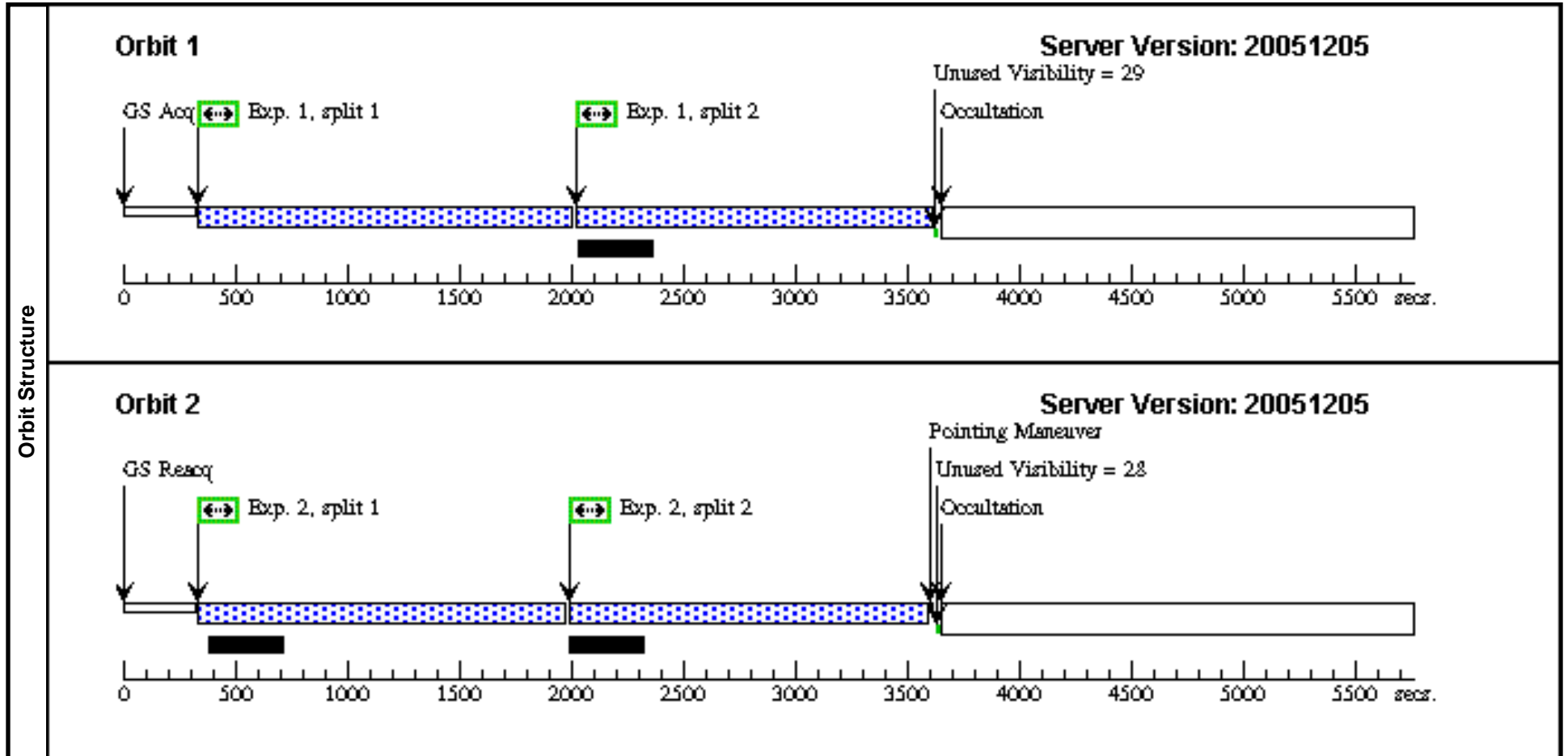
CALIBRATION JUSTIFICATION

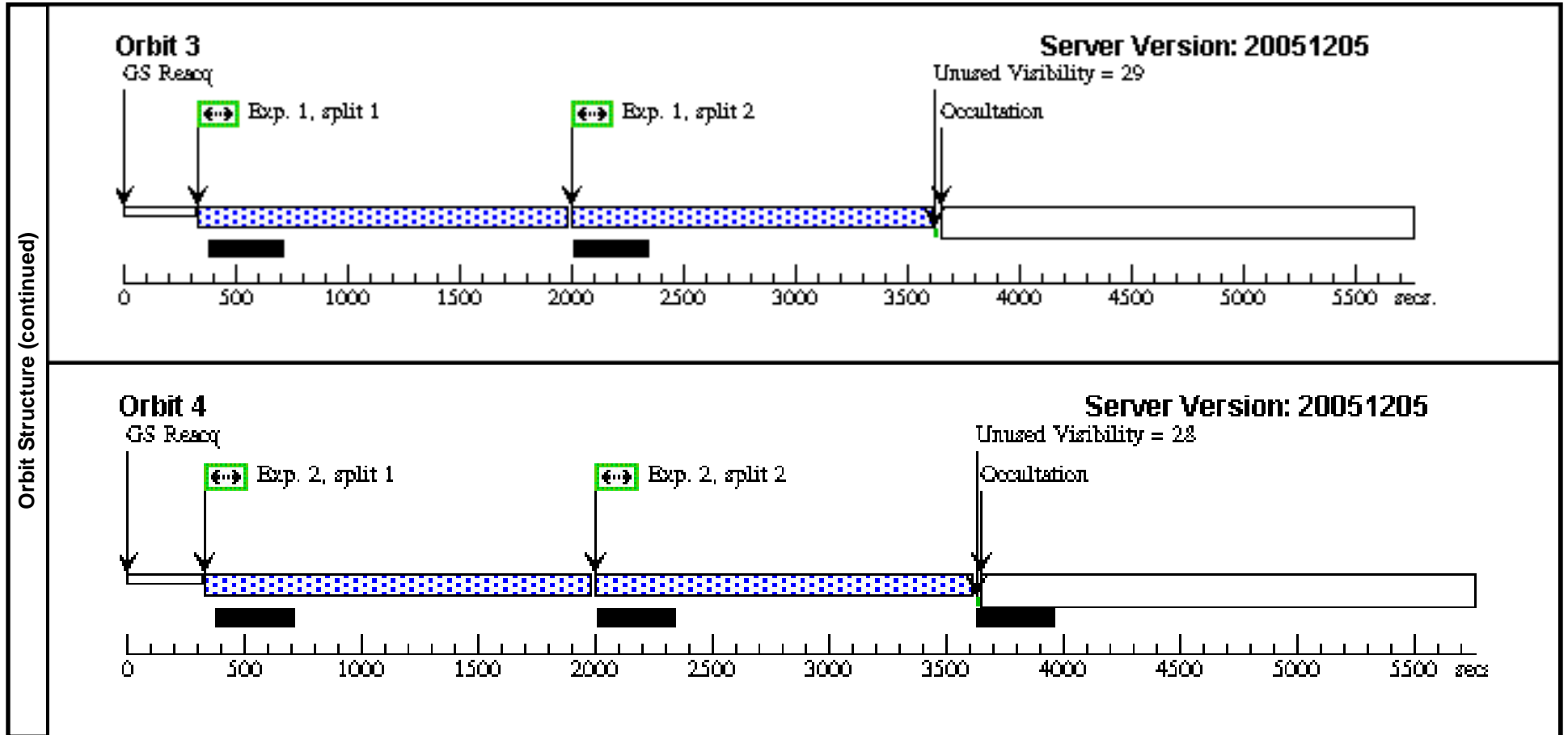
This program poses no special calibration sequences.

Proposal 10605 - Visit 01 - Quantifying Star Formation and Feedback: The M81 Group Dwarf Galaxies

Thu Feb 23 02:02:03 GMT 2006

Visit	Proposal 10605, Visit 01 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: ORIENT 355.0D TO 30.0 D; ORIENT 65.0D TO 125.0 D; ORIENT 175.0D TO 195.0 D; ORIENT 205.0D TO 210.0 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(1)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.011 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.3 Angle Between Sides= Center Pattern=false		(1-2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	MESSIER-081-DWARF-A	RA: 08 23 56.0000 (125.9833333d) Dec: +71 01 45.00 (71.02917d) Equinox: J2000 Plate Id: (?)	Radial Velocity: 113.0 km/sec	V=16.4+/-0.1	Coordinate Source: Spitzer/IRAC imaging				
<i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i>										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	M81DWA-ACS/WFC-V	(1) MESSIER-081-DWARF-A	ACS/WFC, ACCUM, WFC	F555W	CR-SPLIT=2		Pattern 1-2 (1)	2900.0 Secs	
									[==>1468.0 Secs (Pattern 1, Split 1)]	[1]
									[==>1468.0 Secs (Pattern 1, Split 2)]	
								[==>1489.0 Secs (Pattern 2, Split 1)]	[3]	
								[==>1489.0 Secs (Pattern 2, Split 2)]		
2	M81DWA-ACS/WFC-I	(1) MESSIER-081-DWARF-A	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=2		Pattern 1-2 (1)	2900.0 Secs		
								[==>1478.0 Secs (Pattern 1, Split 1)]	[2]	
								[==>1478.0 Secs (Pattern 1, Split 2)]		
								[==>1490.0 Secs (Pattern 2, Split 1)]	[4]	
								[==>1490.0 Secs (Pattern 2, Split 2)]		

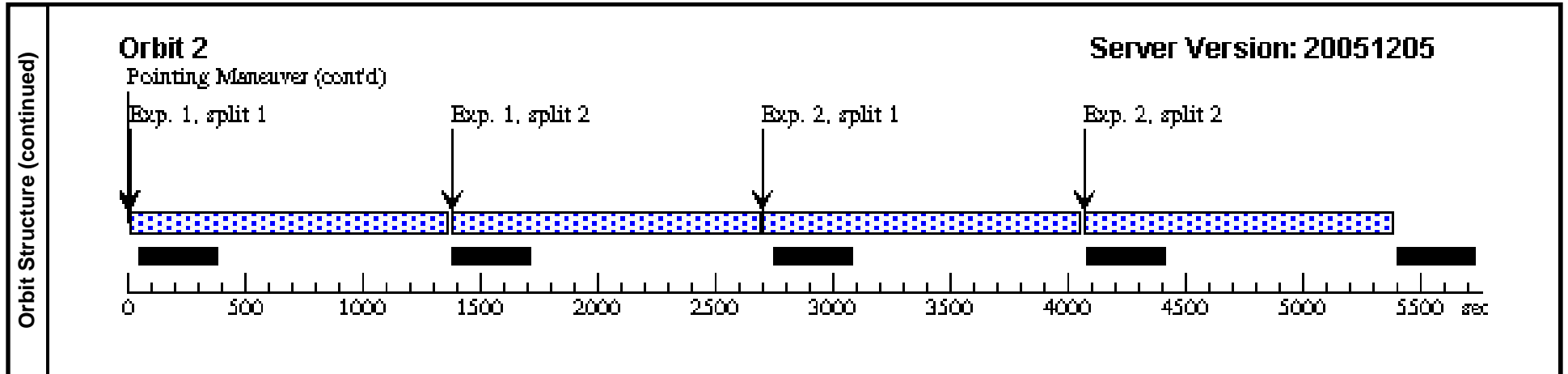




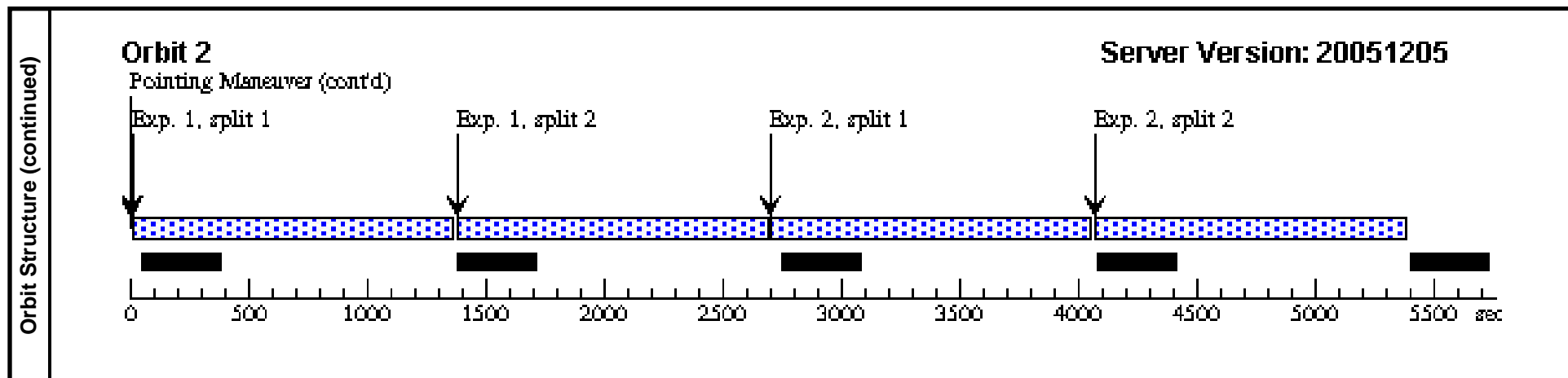
Proposal 10605 - Visit 02 - Quantifying Star Formation and Feedback: The M81 Group Dwarf Galaxies

Thu Feb 23 02:02:05 GMT 2006

Visit	Proposal 10605, Visit 02 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: CVZ								
	Patterns	# Primary Pattern (1) Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.011 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.3 Angle Between Sides= Center Pattern=false	Secondary Pattern	Exposures (1-2)				
Fixed Targets	# Name (2) UGC-05423 Alt Name1: MESSIER-081-DWARF-B	Target Coordinates RA: 10 05 30.6000 (151.3775000d) Dec: +70 21 52.00 (70.36444d) Equinox: J2000 Plate Id: (?)	Targ. Coord. Corrections Radial Velocity: 347.0 km/sec	Fluxes V=14.4+/-0.1	Miscellaneous Coordinate Source: NED				
<i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i>									
Exposures	# Label 1 UGC-5423-ACS/WFC-V 2 UGC-5423-ACS/WFC-I	Target (2) UGC-05423 (2) UGC-05423	Config,Mode,Aperture ACS/WFC, ACCUM, WFC ACS/WFC, ACCUM, WFC	Spectral Els. F555W F814W	Opt. Params. CR-SPLIT=2 CR-SPLIT=2	Special Reqs. CR-SPLIT=2 CR-SPLIT=2	Groups Pattern 1-2 (1) Pattern 1-2 (1)	Exp. Time/[Actual Dur.] 2384.0 Secs [==(Pattern 1, Split 1)] [==(Pattern 1, Split 2)] [==(Pattern 2, Split 1)] [==(Pattern 2, Split 2)]	Orbit [1] [2] [1] [2]
Orbit Structure	<p style="text-align: right;">Server Version: 20051205</p> <p>The diagram illustrates the orbit structure over a 5500-second period. It features a blue checkered bar representing the primary exposure period, which starts at approximately 400 seconds and ends at 5500 seconds. Key events are marked with arrows: GS Acq at ~200s, Exp. 1 split 1 at ~400s, Exp. 1 split 2 at ~1800s, Exp. 2 split 1 at ~3100s, Exp. 2 split 2 at ~4500s, and Pointing Maneuver at ~5500s. The x-axis is labeled in seconds from 0 to 5500.</p>								



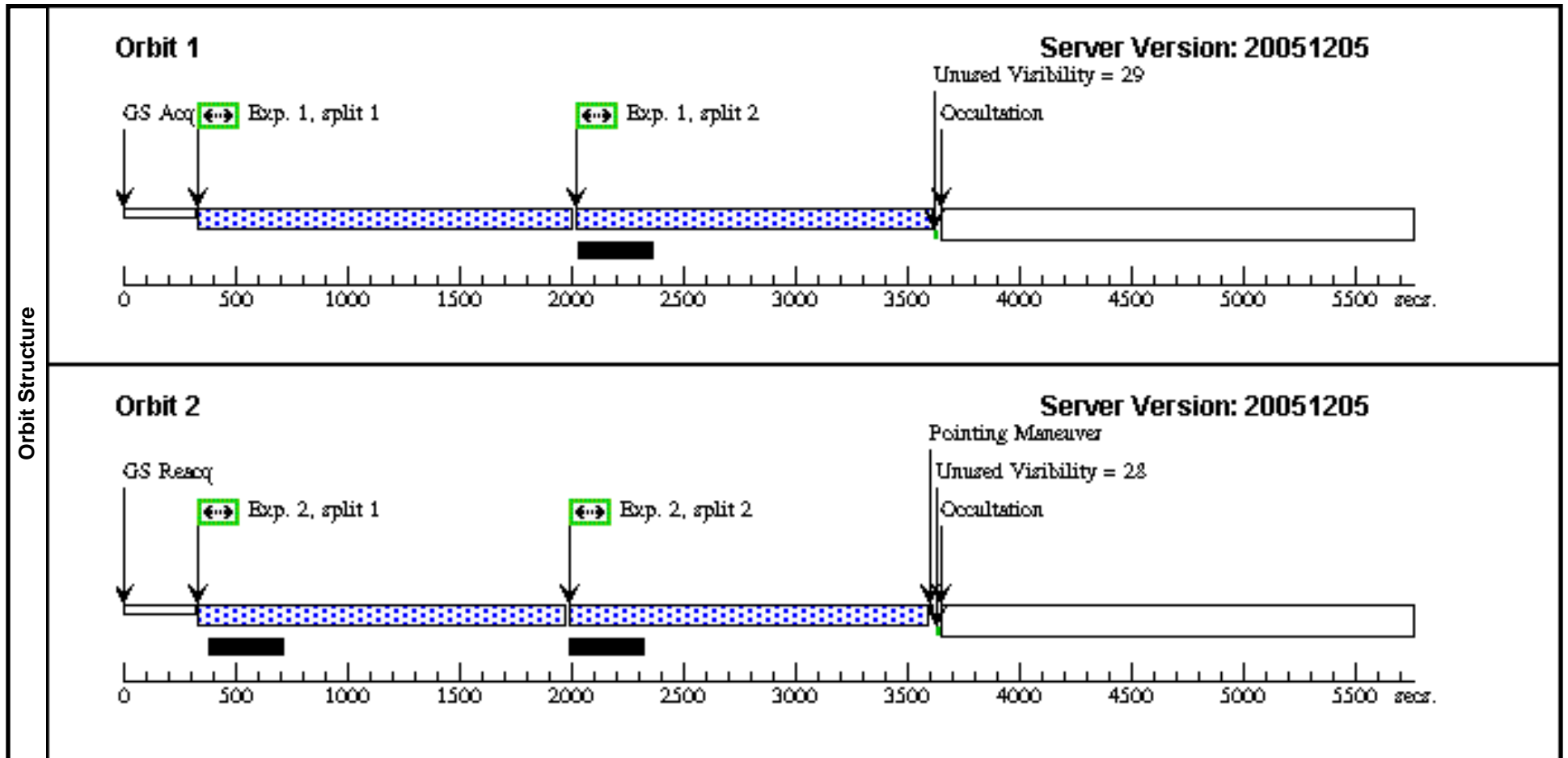
Visit	Proposal 10605, Visit 03 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: CVZ; ORIENT 165.0D TO 215.0 D; ORIENT 275.0D TO 295.0 D									
	Patterns	# Primary Pattern (1) Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.011 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.3 Angle Between Sides= Center Pattern=false	Secondary Pattern	Exposures (1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	UGC-04483	RA: 08 37 3.3000 (129.2637500d) Dec: +69 46 48.20 (69.78006d) Equinox: J2000 Plate Id: (?)	Radial Velocity: 156.0 km/sec	V=15.0+/-0.1	Coordinate Source: NED				
	<i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	UGC-4483-ACS/WFC-V	(3) UGC-04483	ACS/WFC, ACCUM, WFC	F555W	CR-SPLIT=2		Pattern 1-2 (1)	2384.0 Secs	
									[==>(Pattern 1, Split 1)]	[1]
									[==>(Pattern 1, Split 2)]	[2]
									[==>(Pattern 2, Split 1)]	[1]
									[==>(Pattern 2, Split 2)]	[2]
	2	UGC-4483-ACS/WFC-I	(3) UGC-04483	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=2		Pattern 1-2 (1)	2384.0 Secs	
									[==>(Pattern 1, Split 1)]	[1]
									[==>(Pattern 1, Split 2)]	[2]
									[==>(Pattern 2, Split 1)]	[1]
									[==>(Pattern 2, Split 2)]	[2]
Orbit Structure	<p style="text-align: right;">Server Version: 20051205</p> <p>The diagram shows a horizontal timeline from 0 to 5500 seconds. Key events are marked with arrows: 'GS Acq' at ~200s, 'Exp. 1, split 1' at ~400s, 'Exp. 1, split 2' at ~1800s, 'Exp. 2, split 1' at ~3100s, 'Exp. 2, split 2' at ~4500s, and 'Pointing Maneuver' at ~5500s. A blue checkered bar spans from approximately 400s to 5500s. Black bars are located below the timeline at approximately 1800-2000s, 3100-3300s, and 4500-4700s.</p>									

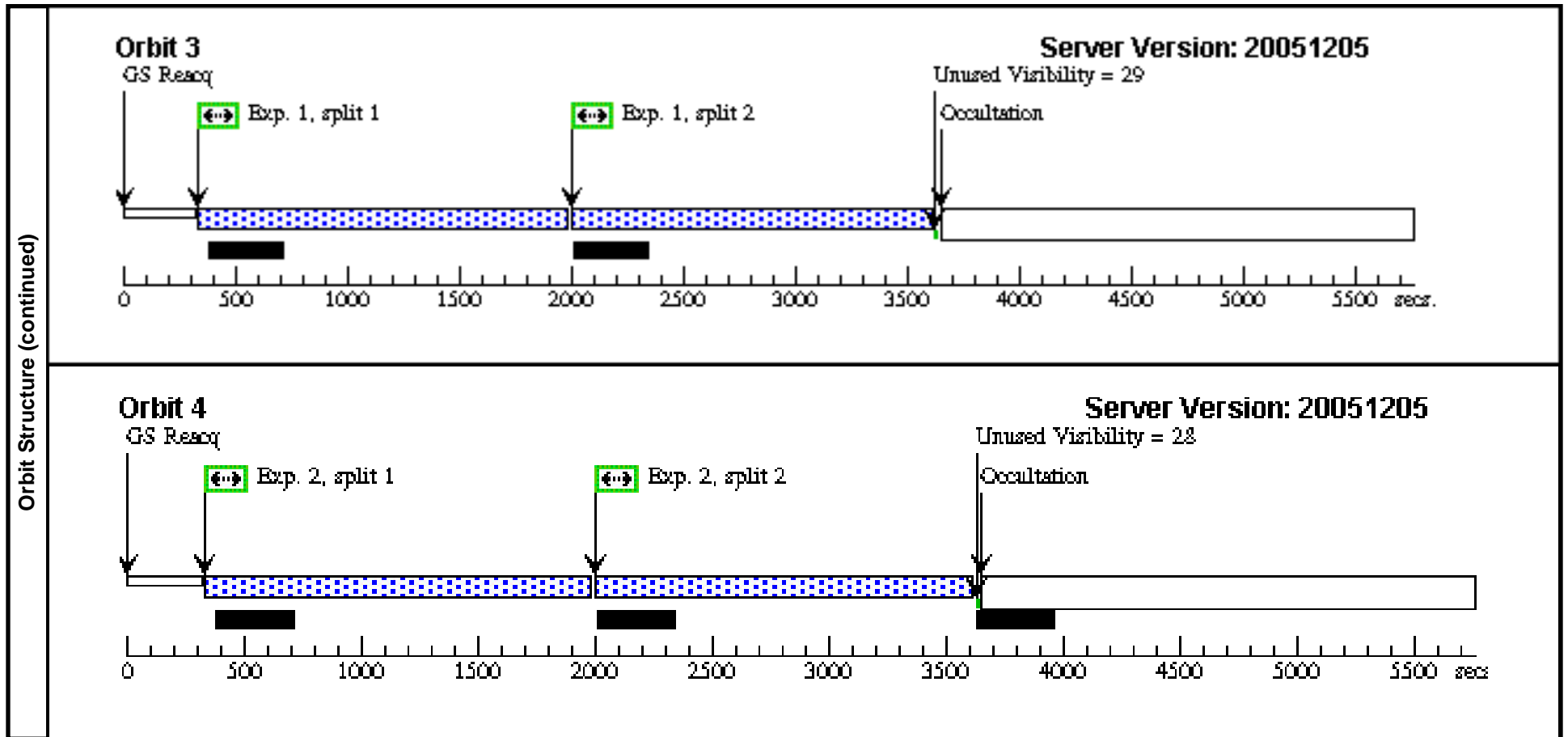


Proposal 10605 - Visit 04 - Quantifying Star Formation and Feedback: The M81 Group Dwarf Galaxies

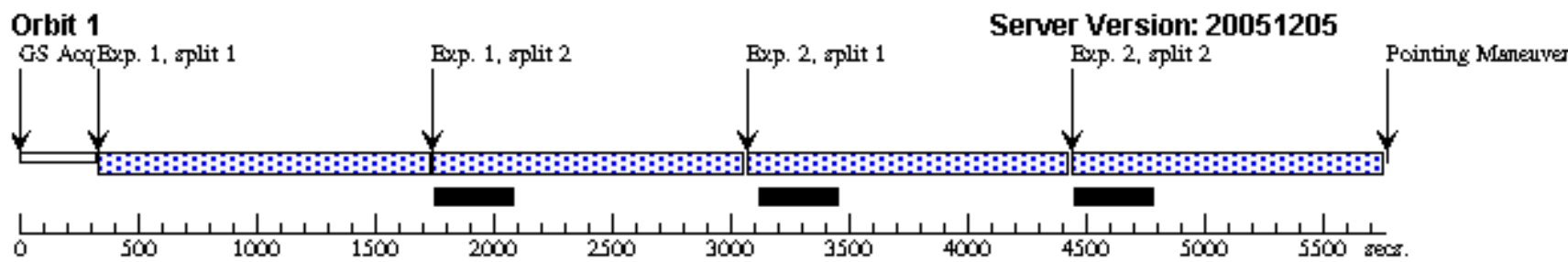
Thu Feb 23 02:02:06 GMT 2006

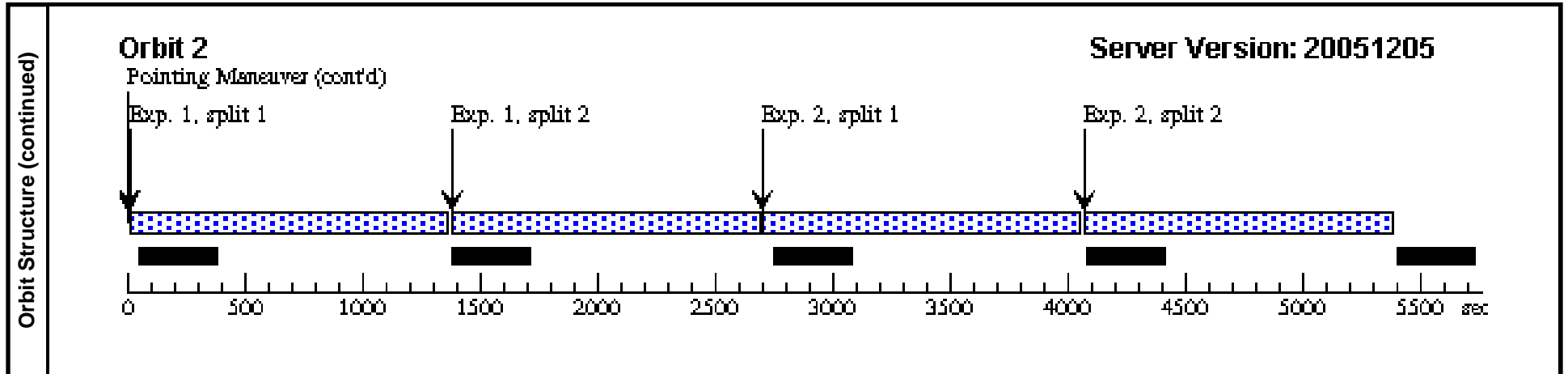
Visit	Proposal 10605, Visit 04 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: (none)									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(1)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.011 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.3 Angle Between Sides= Center Pattern=false					(1-2)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(4)	UGC-5139 Alt Name1: HOLMBERG-I	RA: 09 40 32.1000 (145.1337500d) Dec: +71 11 12.90 (71.18692d) Equinox: J2000 Plate Id: (?)	Radial Velocity: 139.0 km/sec	V=13.6+/-0.1	Coordinate Source: Spitzer/IRAC imaging				
<i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i>										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	UGC-5139-ACS/WFC-V	(4) UGC-5139	ACS/WFC, ACCUM, WFC	F555W	CR-SPLIT=2		Pattern 1-2 (1)	2900.0 Secs	
									[==>1468.0 Secs (Pattern 1, Split 1)]	[1]
									[==>1468.0 Secs (Pattern 1, Split 2)]	
									[==>1489.0 Secs (Pattern 2, Split 1)]	[3]
								[==>1489.0 Secs (Pattern 2, Split 2)]		
2	UGC-5139-ACS/WFC-I	(4) UGC-5139	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=2		Pattern 1-2 (1)	2900.0 Secs		
								[==>1478.0 Secs (Pattern 1, Split 1)]	[2]	
								[==>1478.0 Secs (Pattern 1, Split 2)]		
								[==>1490.0 Secs (Pattern 2, Split 1)]	[4]	
								[==>1490.0 Secs (Pattern 2, Split 2)]		



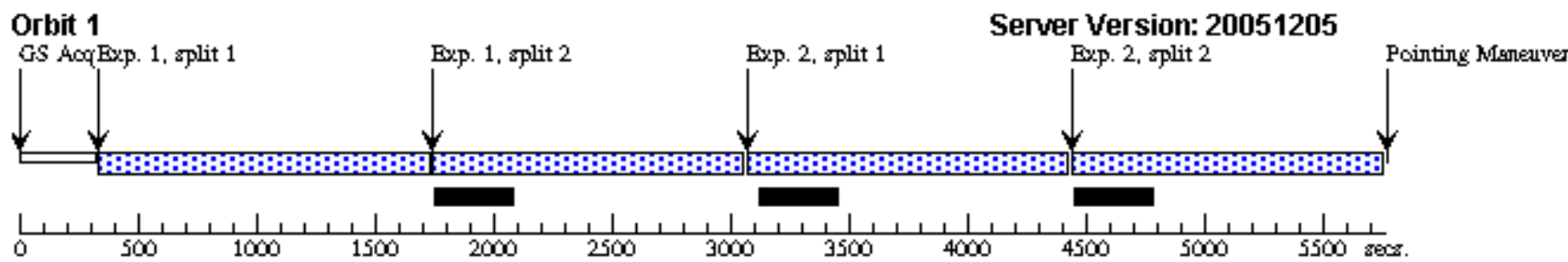


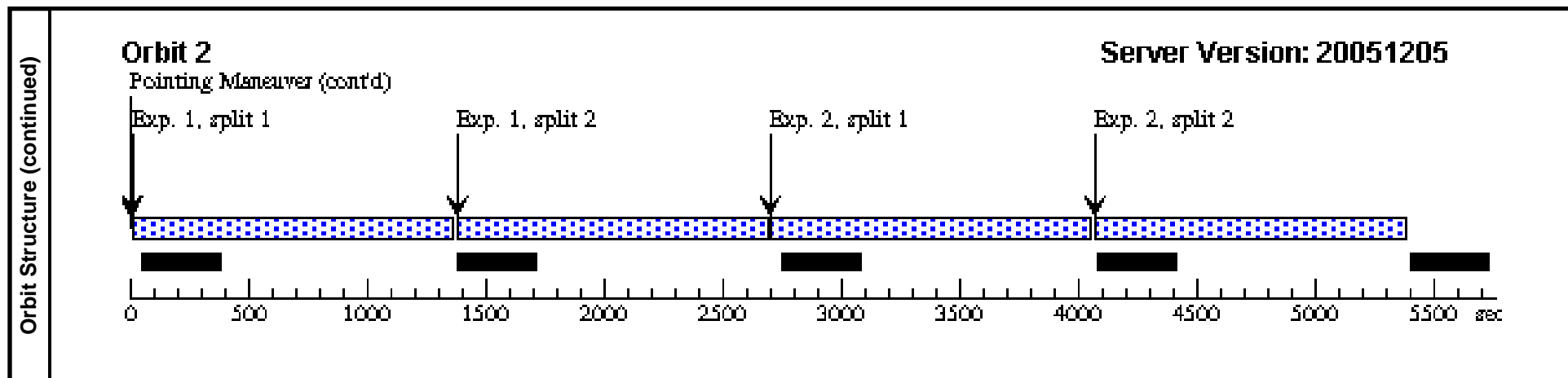
Visit	Proposal 10605, Visit 05 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: CVZ									
Patterns	#	Primary Pattern	Secondary Pattern	Exposures						
	(1)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.011 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.3 Angle Between Sides= Center Pattern=false		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(5)	UGC-04459	RA: 08 34 7.2000 (128.5300000d) Dec: +66 10 54.00 (66.18167d) Equinox: J2000 Plate Id: (?)	Radial Velocity: 20.0 km/sec	V=14.6+/-0.1	Coordinate Source: NED				
<i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i>										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	UGC-4459-ACS/WFC-V	(5) UGC-04459	ACS/WFC, ACCUM, WFC	F555W	CR-SPLIT=2		Pattern 1-2 (1)	2384.0 Secs	
									[==>(Pattern 1, Split 1)]	[1]
									[==>(Pattern 2, Split 1)]	[2]
2	UGC-4459-ACS/WFC-I	(5) UGC-04459	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=2		Pattern 1-2 (1)	2384.0 Secs		
								[==>(Pattern 1, Split 1)]	[1]	
								[==>(Pattern 2, Split 1)]	[2]	





Visit	Proposal 10605, Visit 06 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: CVZ									
Patterns	#	Primary Pattern	Secondary Pattern	Exposures						
	(1)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.011 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.3 Angle Between Sides= Center Pattern=false		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(6)	UGC-5336 Alt Name1: HOLMBERG-IX	RA: 09 57 32.0000 (149.3833333d) Dec: +69 02 45.00 (69.04583d) Equinox: J2000 Plate Id: (?)	Radial Velocity: 46.0 km/sec	V=14.5+/-0.1	Coordinate Source: NED				
<i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i>										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	UGC-5336-ACS/WFC-V	(6) UGC-5336	ACS/WFC, ACCUM, WFC	F555W	CR-SPLIT=2		Pattern 1-2 (1)	2384.0 Secs	
									[==>(Pattern 1, Split 1)]	[1]
									[==>(Pattern 2, Split 1)]	[2]
2	UGC-5336-ACS/WFC-I	(6) UGC-5336	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=2		Pattern 1-2 (1)	2384.0 Secs		
								[==>(Pattern 1, Split 1)]	[1]	
								[==>(Pattern 2, Split 1)]	[2]	

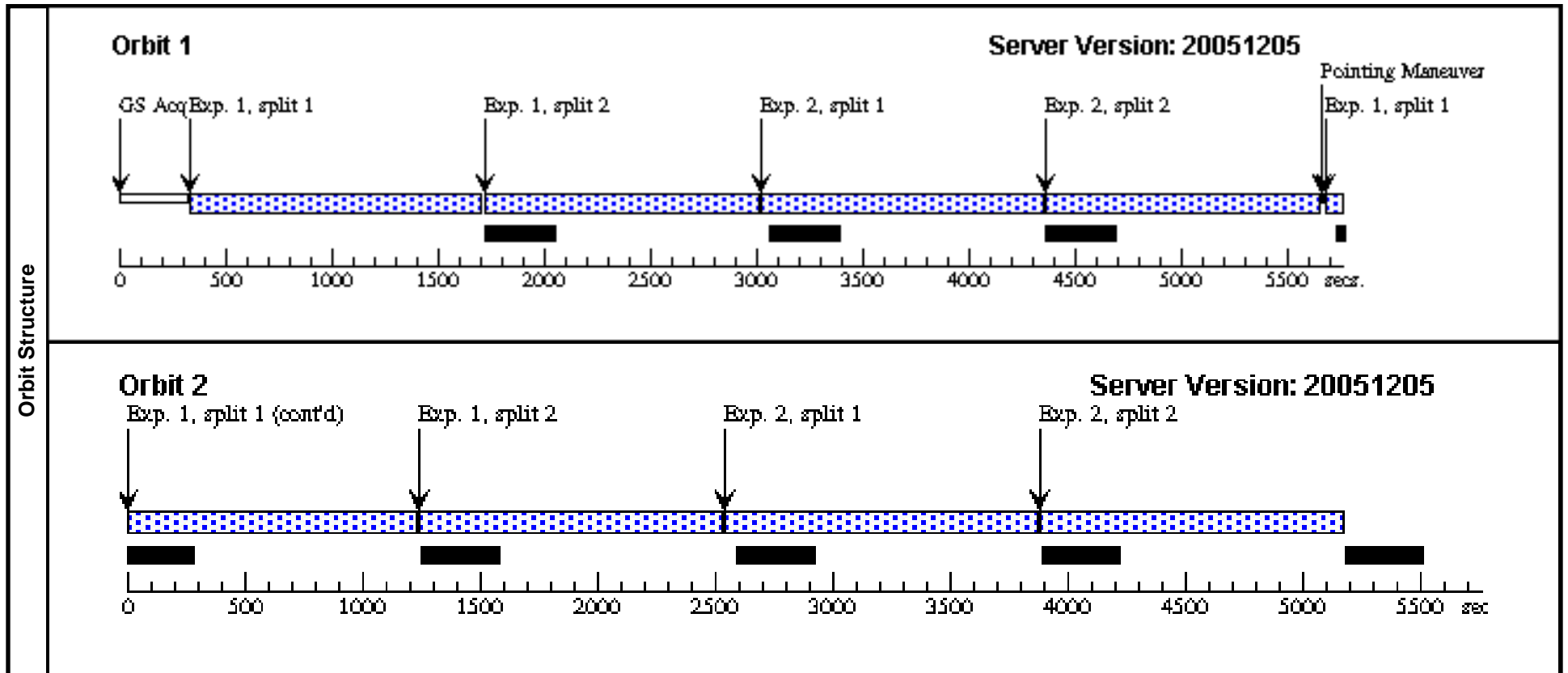




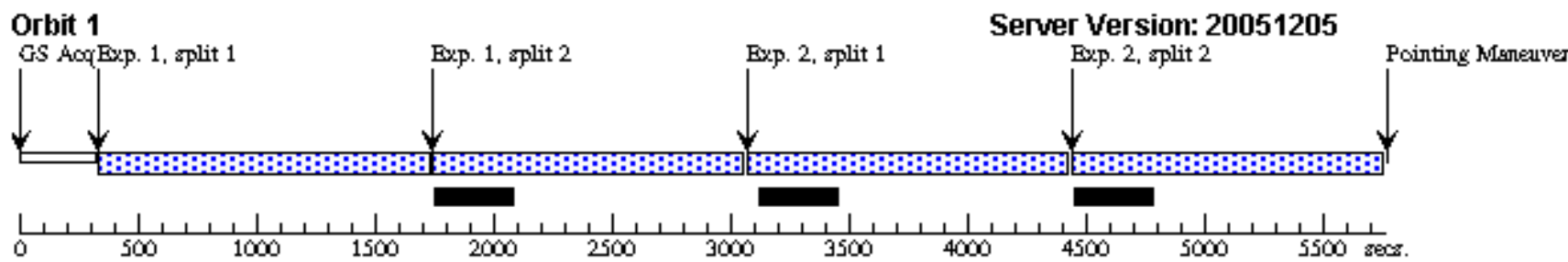
Proposal 10605 - Visit 07 - Quantifying Star Formation and Feedback: The M81 Group Dwarf Galaxies

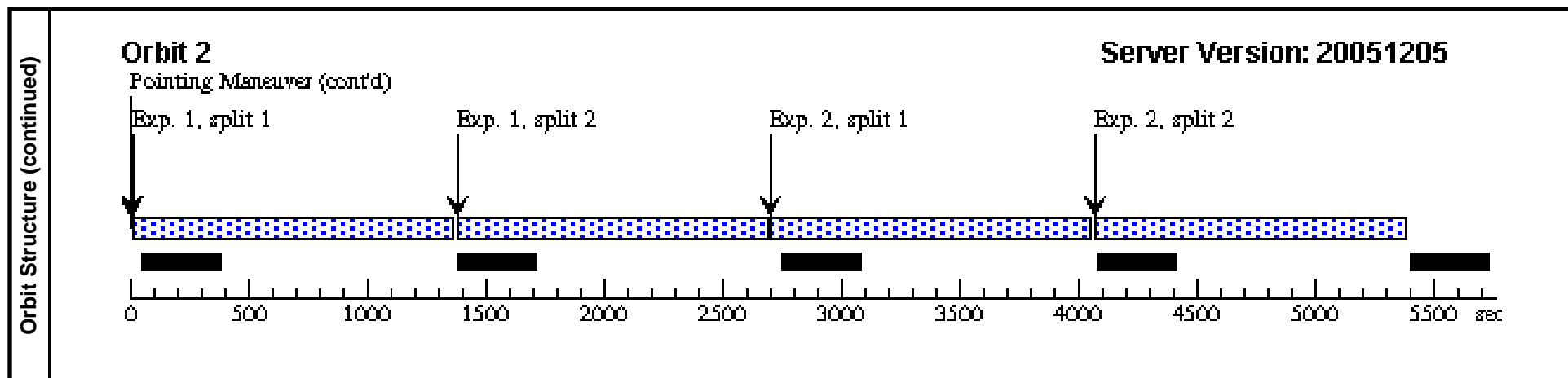
Thu Feb 23 02:02:07 GMT 2006

Visit		Proposal 10605, Visit 07 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: CVZ								
Patterns	#	Primary Pattern	Secondary Pattern	Exposures						
	(1)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.011 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.3 Angle Between Sides= Center Pattern=false		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(7)	UGC-4305-1 Alt Name1: HOLMBERG-II-1	RA: 08 18 58.9600 (124.7456667d) Dec: +70 42 4.00 (70.70111d) Equinox: J2000 Plate Id: (?)	Radial Velocity: 142.0 km/sec	V=11.1+/-0.1	Coordinate Source: Spitzer/IRAC imaging				
<i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i>										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	HOLMBERG-II-1-ACS/WFC-V	(7) UGC-4305-1	ACS/WFC, ACCUM, WFC	F555W	CR-SPLIT=2		Pattern 1-2 (1)	2330.0 Secs	
									[==>(Pattern 1, Split 1)]	
									[==>(Pattern 1, Split 2)]	[1]
									[==>(Pattern 2, Split 1)]	
									[==>(Pattern 2, Split 2)]	[2]
2	HOLMBERG-II-1-ACS/WFC-I	(7) UGC-4305-1	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=2		Pattern 1-2 (1)	2330.0 Secs		
								[==>(Pattern 1, Split 1)]		
								[==>(Pattern 1, Split 2)]	[1]	
								[==>(Pattern 2, Split 1)]		
								[==>(Pattern 2, Split 2)]	[2]	



Visit	Proposal 10605, Visit 08 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: CVZ									
Patterns	#	Primary Pattern	Secondary Pattern	Exposures						
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Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(9)	UGC-08201	RA: 13 06 26.4000 (196.6100000d) Dec: +67 42 24.70 (67.70686d) Equinox: J2000 Plate Id: (?)	Radial Velocity: 31.0 km/sec	V=12.9+/-0.1	Coordinate Source: NED				
<i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i>										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	UGC-8201-ACS/WFC-V	(9) UGC-08201	ACS/WFC, ACCUM, WFC	F555W	CR-SPLIT=2		Pattern 1-2 (1)	2384.0 Secs	
									[==>(Pattern 1, Split 1)]	[1]
									[==>(Pattern 2, Split 1)]	[2]
2	UGC-8201-ACS/WFC-I	(9) UGC-08201	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=2			Pattern 1-2 (1)	2384.0 Secs	
									[==>(Pattern 1, Split 1)]	[1]
									[==>(Pattern 2, Split 1)]	[2]

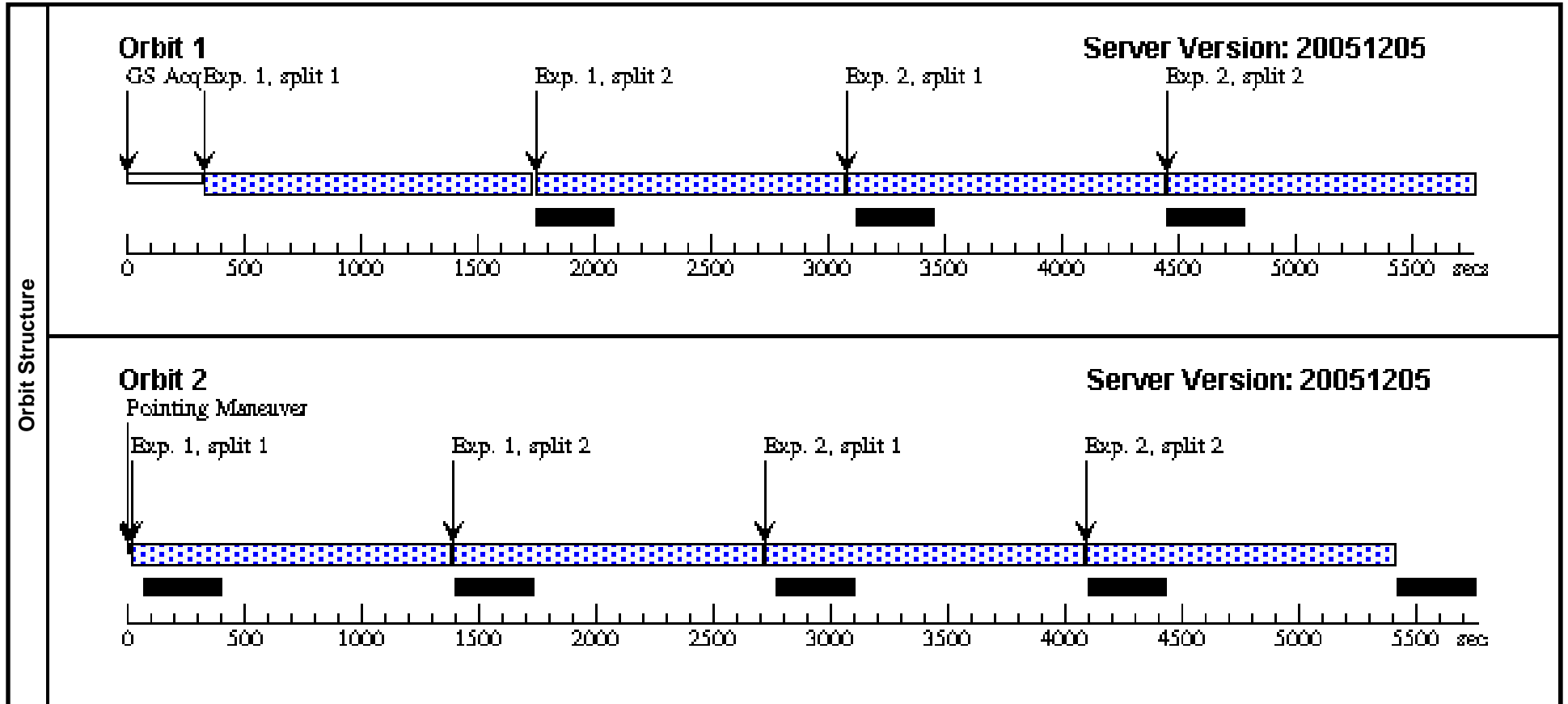




Proposal 10605 - Visit 09 - Quantifying Star Formation and Feedback: The M81 Group Dwarf Galaxies

Thu Feb 23 02:02:08 GMT 2006

Visit		Proposal 10605, Visit 09 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: CVZ								
Patterns	#	Primary Pattern			Secondary Pattern			Exposures		
		(1)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.011 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.3 Angle Between Sides= Center Pattern=false					(1-2)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(10)	NGC-2366-1	RA: 07 28 43.2000 (112.1800000d) Dec: +69 11 21.60 (69.18933d) Equinox: J2000 Plate Id: (?)	Radial Velocity: 80.0 km/sec	V=11.7+/-0.1	Coordinate Source: NED				
<i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i>										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	NGC-2366-1-ACS/WF C-V	(10) NGC-2366-1	ACS/WFC, ACCUM, WFC	F555W	CR-SPLIT=2		Pattern 1-2 (1)	2390.0 Secs	
									[==>(Pattern 1, Split 1)]	[1]
									[==>(Pattern 1, Split 2)]	[2]
									[==>(Pattern 2, Split 1)]	[1]
									[==>(Pattern 2, Split 2)]	[2]
2	NGC-2366-1-ACS/WF C-I	(10) NGC-2366-1	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=2		Pattern 1-2 (1)	2390.0 Secs		
								[==>(Pattern 1, Split 1)]	[1]	
								[==>(Pattern 1, Split 2)]	[2]	
								[==>(Pattern 2, Split 1)]	[1]	
								[==>(Pattern 2, Split 2)]	[2]	



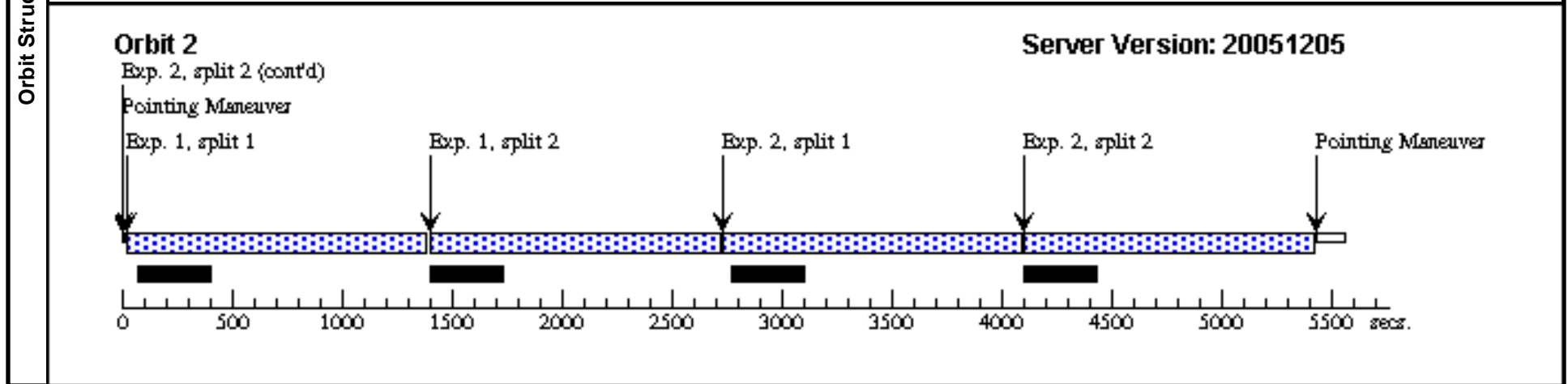
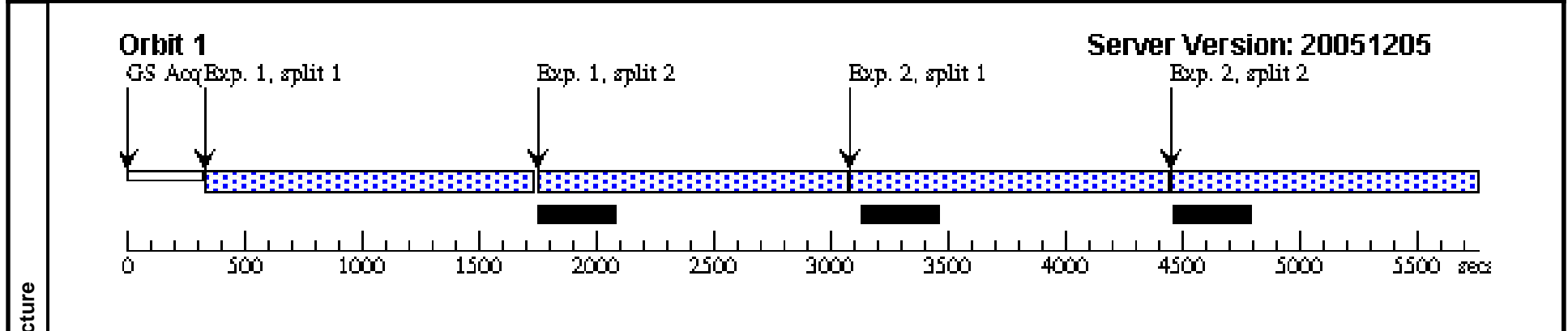
Proposal 10605 - Visit 10 - Quantifying Star Formation and Feedback: The M81 Group Dwarf Galaxies

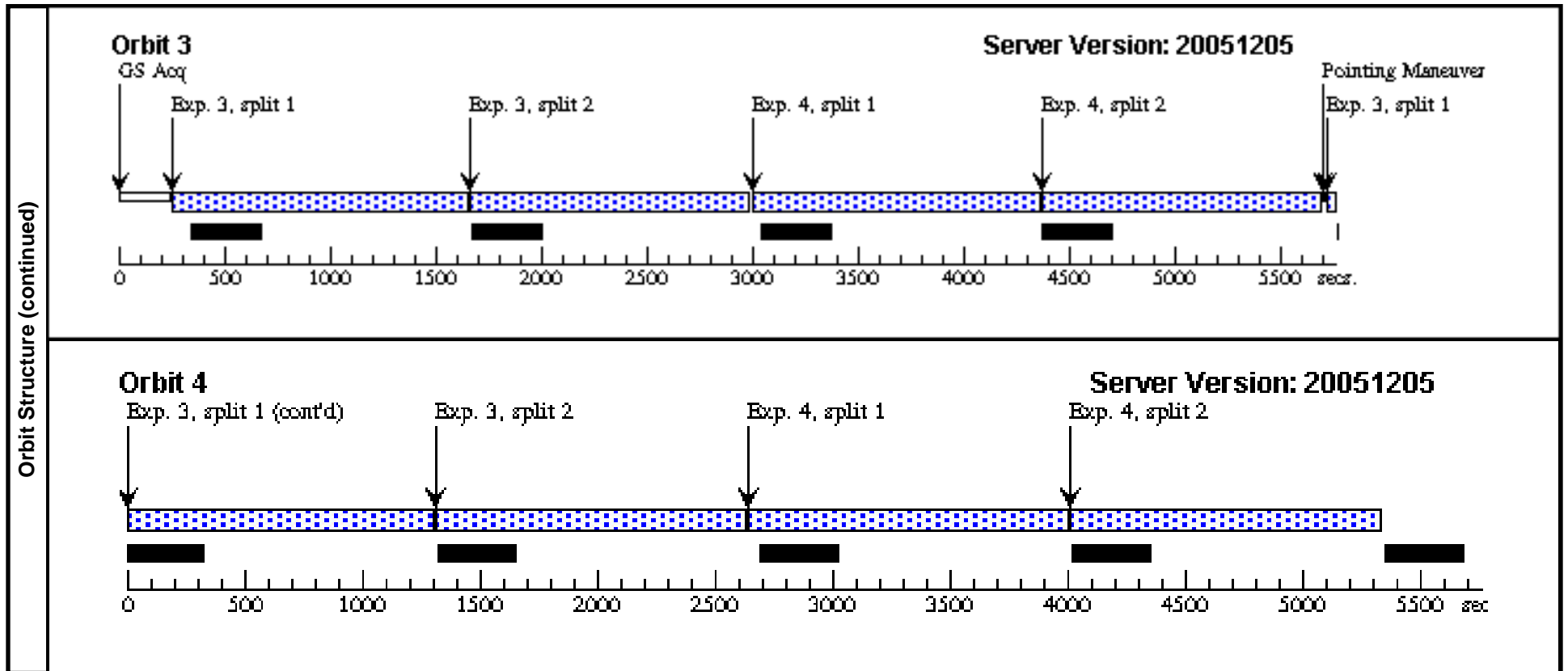
Thu Feb 23 02:02:09 GMT 2006

Visit	Proposal 10605, Visit 10 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: CVZ; ORIENT 180.0D TO 220.0 D; ORIENT 30.0D TO 50.0 D									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
	(1)	Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.011 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.3 Angle Between Sides= Center Pattern=false		(1-2), (3-4)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(12)	IC-2574-1	RA: 10 28 23.0700 (157.0961250d) Dec: +68 24 36.00 (68.41000d) Equinox: J2000 Plate Id: (?)	Radial Velocity: 57.0 km/sec	V=10.8+/-0.1	Coordinate Source: Spitzer/IRAC imaging				
<i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i>										
	(13)	IC-2574-2	RA: 10 27 50.0000 (156.9583333d) Dec: +68 22 55.00 (68.38194d) Equinox: J2000 Plate Id: (?)	Radial Velocity: 57.0 km/sec	V=10.8+/-0.1	Coordinate Source: Spitzer/IRAC imaging				
<i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i>										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	IC-2574-1-ACS/WFC-V	(12) IC-2574-1	ACS/WFC, ACCUM, WFC	F555W	CR-SPLIT=2			Pattern 1-2 (1)	2392.0 Secs
									[==>(Pattern 1, Split 1)]	[1]
									[==>(Pattern 1, Split 2)]	[2]
									[==>(Pattern 2, Split 1)]	[1]
									[==>(Pattern 2, Split 2)]	[2]
	2	IC-2574-1-ACS/WFC-I	(12) IC-2574-1	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=2		Pattern 1-2 (1)	2392.0 Secs	
									[==>(Pattern 1, Split 1)]	[1]
									[==>(Pattern 1, Split 2)]	[2]
									[==>(Pattern 2, Split 1)]	[1]
									[==>(Pattern 2, Split 2)]	[2]
	3	IC-2574-2-ACS/WFC-V	(13) IC-2574-2	ACS/WFC, ACCUM, WFC	F555W	CR-SPLIT=2		Pattern 3-4 (1)	2392.0 Secs	
									[==>(Pattern 1, Split 1)]	[3]
									[==>(Pattern 1, Split 2)]	[4]
									[==>(Pattern 2, Split 1)]	[3]
									[==>(Pattern 2, Split 2)]	[4]

Proposal 10605 - Visit 10 - Quantifying Star Formation and Feedback: The M81 Group Dwarf Galaxies

Exposures (continued)	#	Label	Target	Config, Mode, Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	4	IC-2574-2-ACS/WFC-I	(13) IC-2574-2	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=2		Pattern 3-4 (1)	2392.0 Secs [=>(Pattern 1, Split 1)] [=>(Pattern 1, Split 2)] [=>(Pattern 2, Split 1)] [=>(Pattern 2, Split 2)]	[3] [4]

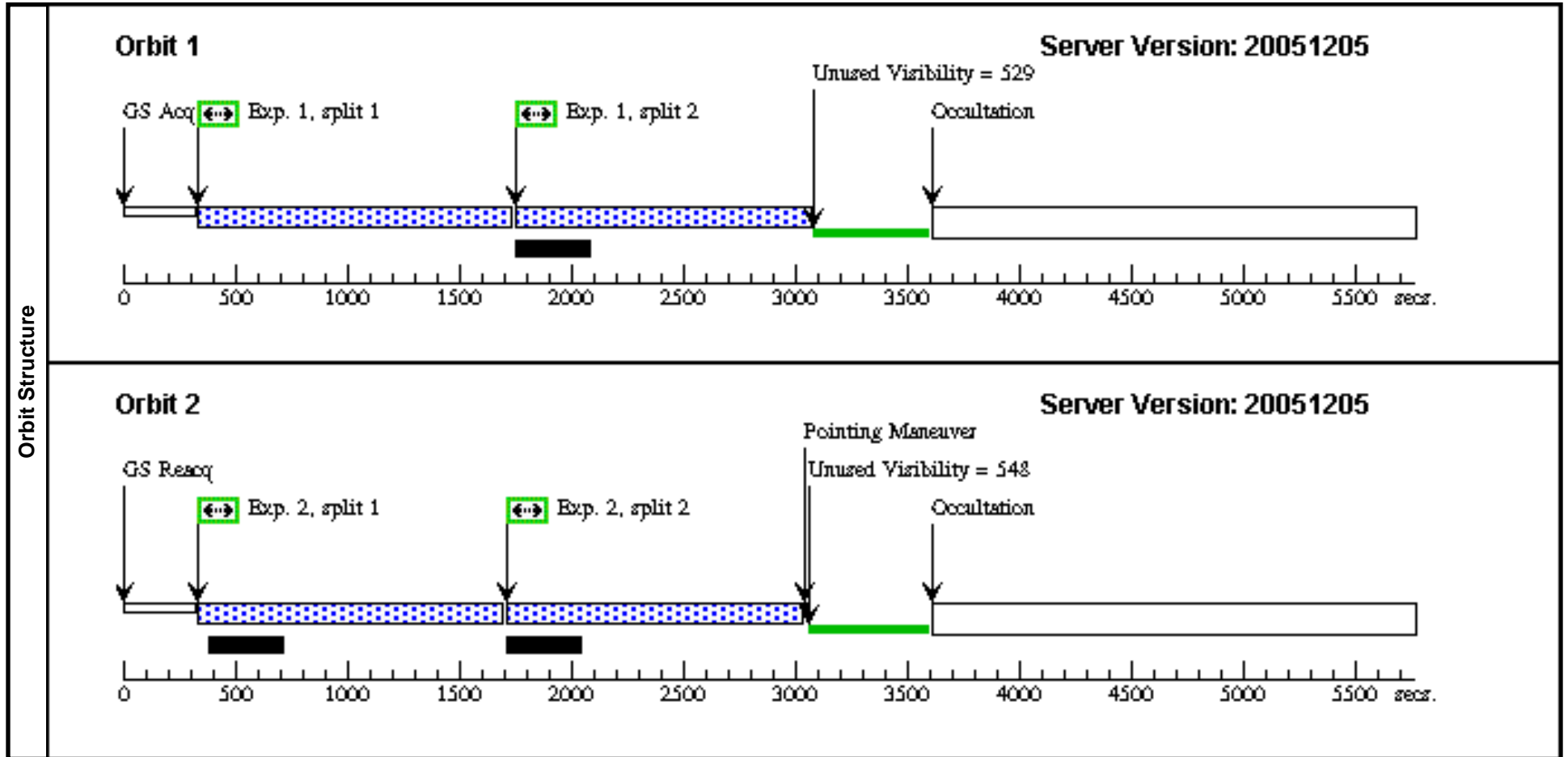


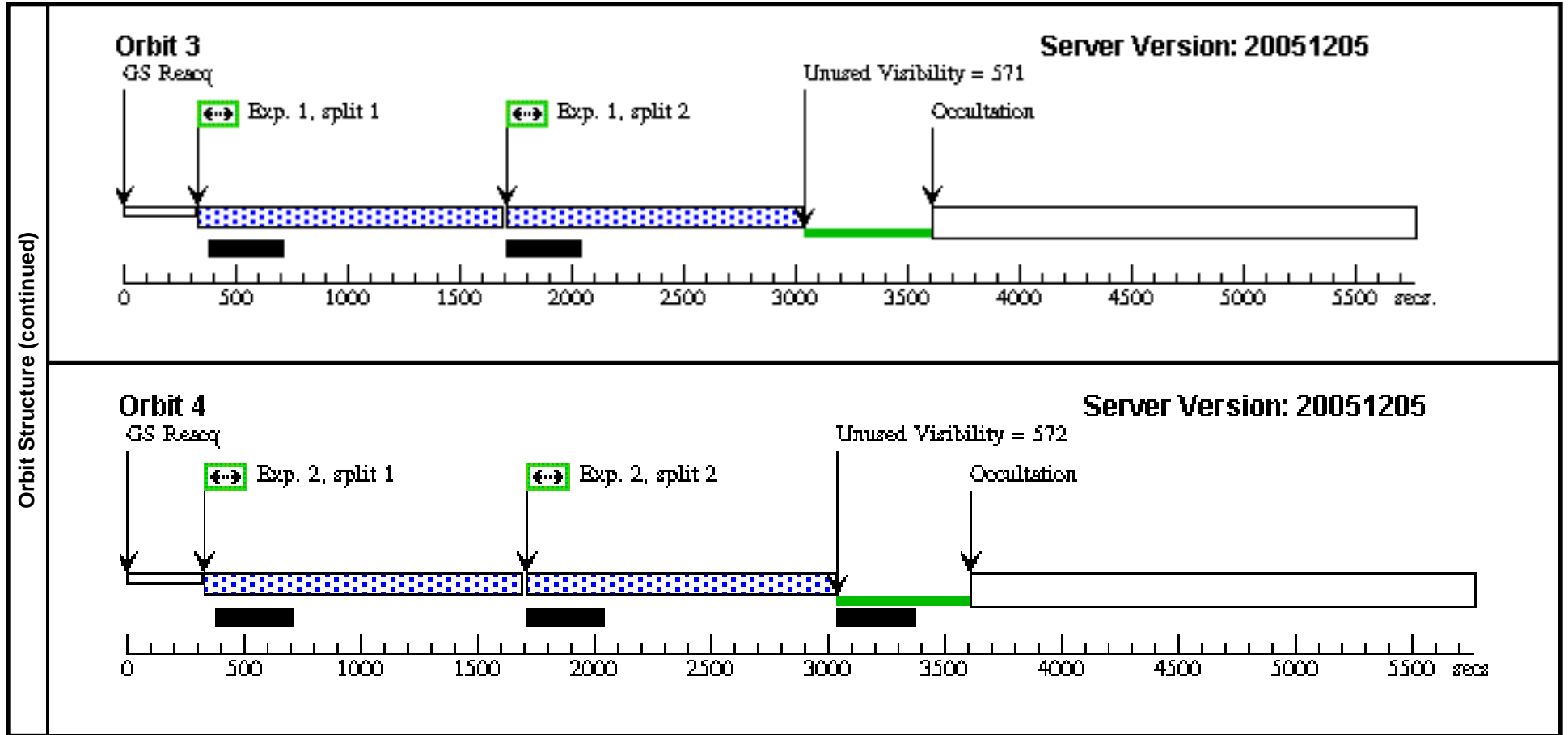


Proposal 10605 - Visit 50 - Quantifying Star Formation and Feedback: The M81 Group Dwarf Galaxies

Thu Feb 23 02:02:09 GMT 2006

Visit	Proposal 10605, Visit 50 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: ORIENT 150.0D TO 170.0 D; ORIENT 100.0D TO 120.0 D									
	Patterns	#	Primary Pattern				Secondary Pattern			Exposures
(1)		Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.011 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=85.3 Angle Between Sides= Center Pattern=false					(1-2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes	Miscellaneous		
	(14)	IC-2574-1-COPY	RA: 10 28 23.0700 (157.0961250d) Dec: +68 24 36.00 (68.41000d) Equinox: J2000 Plate Id: (?)		Radial Velocity: 57.0 km/sec		V=10.8+/-0.1	Coordinate Source: Spitzer/IRAC imaging		
<i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i>										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	IC-2574-1-ACS/WFC-V	(14) IC-2574-1-COPY	ACS/WFC, ACCUM, WFC	F555W	CR-SPLIT=2		Pattern 1-2 (1)	2392.0 Secs	
									[==>(Pattern 1, Split 1)]	[1]
									[==>(Pattern 1, Split 2)]	[3]
									[==>(Pattern 2, Split 1)]	
									[==>(Pattern 2, Split 2)]	
2	IC-2574-1-ACS/WFC-I	(14) IC-2574-1-COPY	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=2		Pattern 1-2 (1)	2392.0 Secs		
								[==>(Pattern 1, Split 1)]	[2]	
								[==>(Pattern 1, Split 2)]		
								[==>(Pattern 2, Split 1)]		
								[==>(Pattern 2, Split 2)]	[4]	

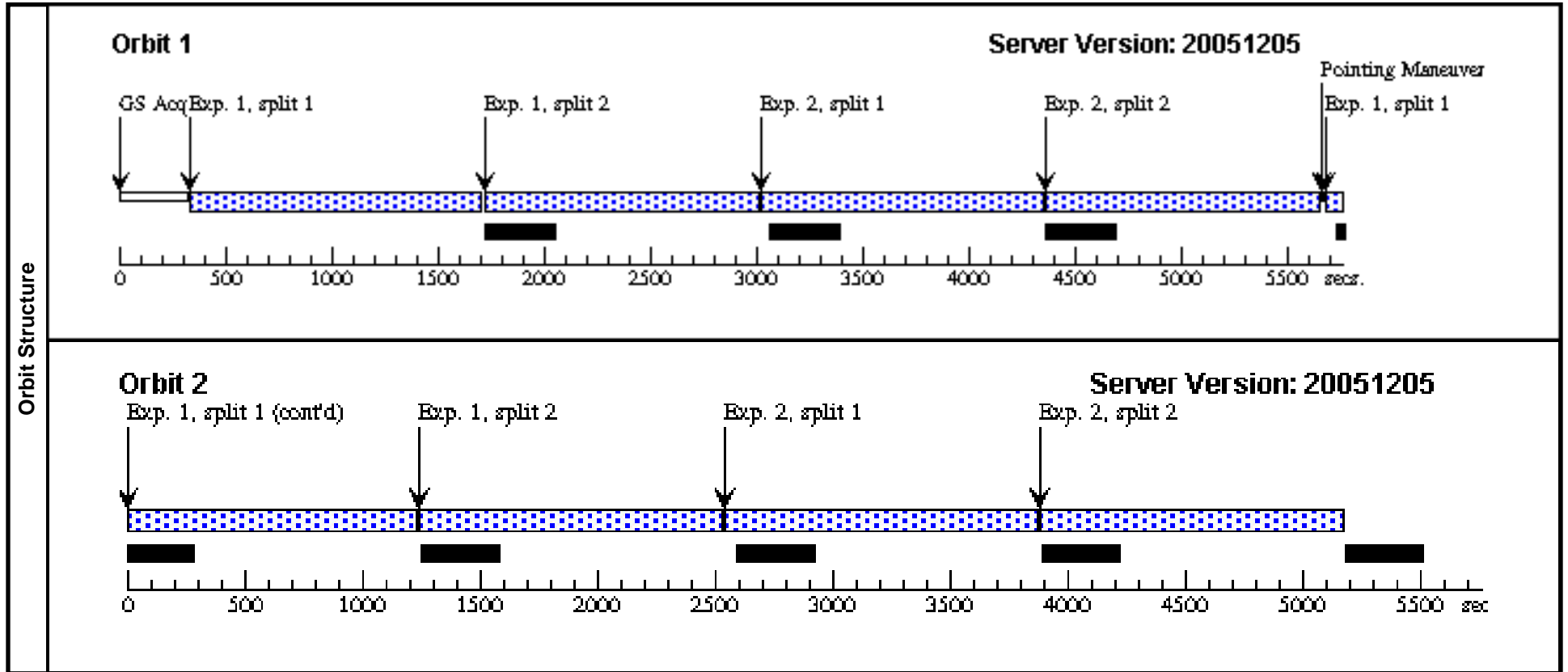




Proposal 10605 - Visit Z7 - Quantifying Star Formation and Feedback: The M81 Group Dwarf Galaxies

Thu Feb 23 02:02:10 GMT 2006

Visit		Proposal 10605, Visit Z7 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: CVZ; AFTER 07 BY 0.5 H TO 24 H								
Patterns	#	Primary Pattern	Secondary Pattern	Exposures						
		(1)	Pattern Type=ACS-WFC-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.011 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=85.3 Angle Between Sides= Center Pattern=false		(1-2)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(8)	UGC-4305-2 Alt Name1: HOLMBERG-II-2	RA: 08 19 20.5000 (124.8354167d) Dec: +70 43 43.40 (70.72872d) Equinox: J2000 Plate Id: (?)	Radial Velocity: 142.0 km/sec	V=11.1+/-0.1	Coordinate Source: Spitzer/IRAC imaging				
<i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i>										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	HOLMBERG-II-2-ACS/WFC-V	(8) UGC-4305-2	ACS/WFC, ACCUM, WFC	F555W	CR-SPLIT=2		Pattern 1-2 (1)	2330.0 Secs	
									[==>(Pattern 1, Split 1)]	
									[==>(Pattern 1, Split 2)]	[1]
									[==>(Pattern 2, Split 1)]	
									[==>(Pattern 2, Split 2)]	[2]
2	HOLMBERG-II-2-ACS/WFC-I	(8) UGC-4305-2	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=2		Pattern 1-2 (1)	2330.0 Secs		
								[==>(Pattern 1, Split 1)]		
								[==>(Pattern 1, Split 2)]	[1]	
								[==>(Pattern 2, Split 1)]		
								[==>(Pattern 2, Split 2)]	[2]	



Proposal 10605 - Visit Z9 - Quantifying Star Formation and Feedback: The M81 Group Dwarf Galaxies

Thu Feb 23 02:02:10 GMT 2006

Visit	Proposal 10605, Visit Z9 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC Special Requirements: CVZ; AFTER 09 BY 0.5 H TO 24 H									
	Patterns	#	Primary Pattern				Secondary Pattern			Exposures
(1)		Pattern Type=ACS-WFC-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=3.011 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=85.3 Angle Between Sides= Center Pattern=false					(1-2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes	Miscellaneous		
	(11)	NGC-2366-2	RA: 07 28 59.6000 (112.2483333d) Dec: +69 14 5.15 (69.23476d) Equinox: J2000 Plate Id: (?)		Radial Velocity: 80.0 km/sec		V=11.7+/-0.1	Coordinate Source: NED		
<i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i>										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	NGC-2366-2-ACS/WF C-I	(11) NGC-2366-2	ACS/WFC, ACCUM, WFC	F814W	CR-SPLIT=2		Pattern 1-2 (1)	2390.0 Secs	
									[==>(Pattern 1, Split 1)]	[1]
									[==>(Pattern 1, Split 2)]	[2]
									[==>(Pattern 2, Split 1)]	[1]
									[==>(Pattern 2, Split 2)]	[2]
2	NGC-2366-2-ACS/WF C-V	(11) NGC-2366-2	ACS/WFC, ACCUM, WFC	F555W	CR-SPLIT=2		Pattern 1-2 (1)	2390.0 Secs		
								[==>(Pattern 1, Split 1)]	[1]	
								[==>(Pattern 1, Split 2)]	[2]	
								[==>(Pattern 2, Split 1)]	[1]	
								[==>(Pattern 2, Split 2)]	[2]	

