



11205 - The Effects of Multiplicity on the Evolution of Young Stellar Objects: A NICMOS Imaging Study

Cycle: 16, Proposal Category: GO

(Availability Mode: SUPPORTED)

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>
01	(1) LMZ9	WFC3/IR	1	10-Dec-2009 21:01:32.0	yes
02	(2) V1647ORI (45) N590	NIC1	1	10-Dec-2009 21:01:54.0	yes
05	(4) LMZ7 (32) N458	NIC1	1	10-Dec-2009 21:02:11.0	yes
06	(8) C1-9	NIC1	1	10-Dec-2009 21:02:19.0	yes
07	(9) LMZ9B	NIC1	1	10-Dec-2009 21:02:23.0	yes
09	(16) ORIBSMM38	NIC1	1	10-Dec-2009 21:02:30.0	yes
12	(28) N177	NIC1	1	10-Dec-2009 21:02:59.0	yes

Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
13	(29) N281	NIC1	1	10-Dec-2009 21:03:29.0	yes
14	(30) N326	NIC1	1	10-Dec-2009 21:04:08.0	yes
15	(31) N351	WFC3/IR	1	10-Dec-2009 21:04:33.0	yes
16	(34) N618	NIC1	1	10-Dec-2009 21:04:58.0	yes
17	(35) N741	WFC3/IR	1	10-Dec-2009 21:05:23.0	yes
18	(36) N739	WFC3/IR	1	10-Dec-2009 21:05:40.0	yes
19	(37) N998	NIC1	1	10-Dec-2009 21:06:17.0	yes
20	(51) N1211 (52) N1284	WFC3/IR	1	10-Dec-2009 21:06:41.0	yes
21	(42) N513 (43) N519	NIC1	1	10-Dec-2009 21:06:50.0	yes
22	(44) N584 (54) N628	NIC1	1	10-Dec-2009 21:07:15.0	yes
23	(46) N602	NIC1	1	10-Dec-2009 21:07:32.0	yes
24	(50) N1116	NIC1	1	10-Dec-2009 21:08:02.0	yes
25	(52) N1284	NIC1	1	10-Dec-2009 21:08:21.0	yes
26	(39) N250	NIC1	1	10-Dec-2009 21:08:26.0	yes
04	(12) HH22 (33) N581	NIC1	1	10-Dec-2009 21:08:36.0	yes
08	(15) C1-20 (47) N760	NIC1	1	10-Dec-2009 21:08:52.0	yes
10	(19) ORIBSMM39B	NIC1	1	10-Dec-2009 21:08:58.0	yes
11	(20) ORIBSMM39C	WFC3/IR	1	10-Dec-2009 21:09:02.0	yes

25 Total Orbits Used

ABSTRACT

We propose to use NICMOS to investigate the multiplicity of young stellar objects (YSOs) in the Orion B molecular cloud. Previous observations with the Spitzer Space Telescope have revealed a remarkable star forming filament near the NGC 2068 reflection nebula. The population of YSOs associated with the filament exhibit a surprisingly wide range of circumstellar evolutionary states, from deeply embedded protostars to T Tauri accretion disks. Many of the circumstellar disks themselves show evidence for significant dust evolution, including grain growth and settling and cleared inner holes, apparently in spite of the very young age of these stars. We will estimate the binary fraction of a representative sample of objects in these various stages of evolution in order to test whether companions may play a significant role in that evolution.

OBSERVING DESCRIPTION

We propose to obtain NICMOS imaging of a sample of YSOs in the embedded cluster NGC 2068. Our sample is drawn from a pool of some 60 objects in the vicinity of the star forming filament. We have selected a representative sample of targets in each of the following categories: typical accretion disks, evolved disks, and Class I protostellar objects. We require a sufficient number of targets to enable at least a preliminary statistical analysis of binary frequency and (to a lesser extent) binary mass ratio for each class. Thus, our final sample includes roughly a dozen objects in each category.

Our observations will utilize NIC1 in MULTIACCUM mode with filters F110W and F160W. Each target will be observed with a 2x2 or 3x3 spiral dither pattern. Observations at two filters are needed for color information, which will allow a rough estimation of companion masses and extinctions via a color-magnitude diagram analysis. We require exposure depths that will probe a complete mass

range extending well below the hydrogen burning limit and with an extinction limit comparable to the typical range for known members. The range of colors spanned by the YSO population indicates that the vast majority of YSOs have intrinsic $A_V < 10$; most of the objects with larger extinction are deeply embedded protostars. We thus aim for completeness limits of 0.025 Msun with $A_V < 10$, or 0.1 Msun with $A_V < 20$. Given the distance of about 400 pc, limiting magnitudes of $J < 20$, $H < 19.5$ should reach these mass and extinction limits, requiring exposure times of 200 seconds at both F110W and F160W.

The target sample spans a large range of magnitude, from $J \sim 10$ to an upper limit of $J < 17$ for the deeply embedded protostars not detected by 2MASS. Many of the brighter sources will saturate in much less than 200 seconds, and any close faint/red companions might be lost in the PSF wings. For these cases, we will use 5-20 second exposures with multiple iterations, resulting in limiting magnitudes of $J < 17.5$ and $H < 17$ and mass/extinction limits of roughly 0.025 Msun and $A_V = 0$ or 0.1 Msun with $A_V < 10$. Given the NIC1 pixel scale of 0.043" per pixel, companion separations of > 50 AU should be easily resolved; we should detect equal mass binaries as close as about 30 AU.

Our sample includes a total of 37 targets. Including all the appropriate overheads, our proposed observations require a total of 26 orbits.

Proposal 11205 - Visit 01 - The Effects of Multiplicity on the Evolution of Young Stellar Objects: A NICMOS Imaging S...

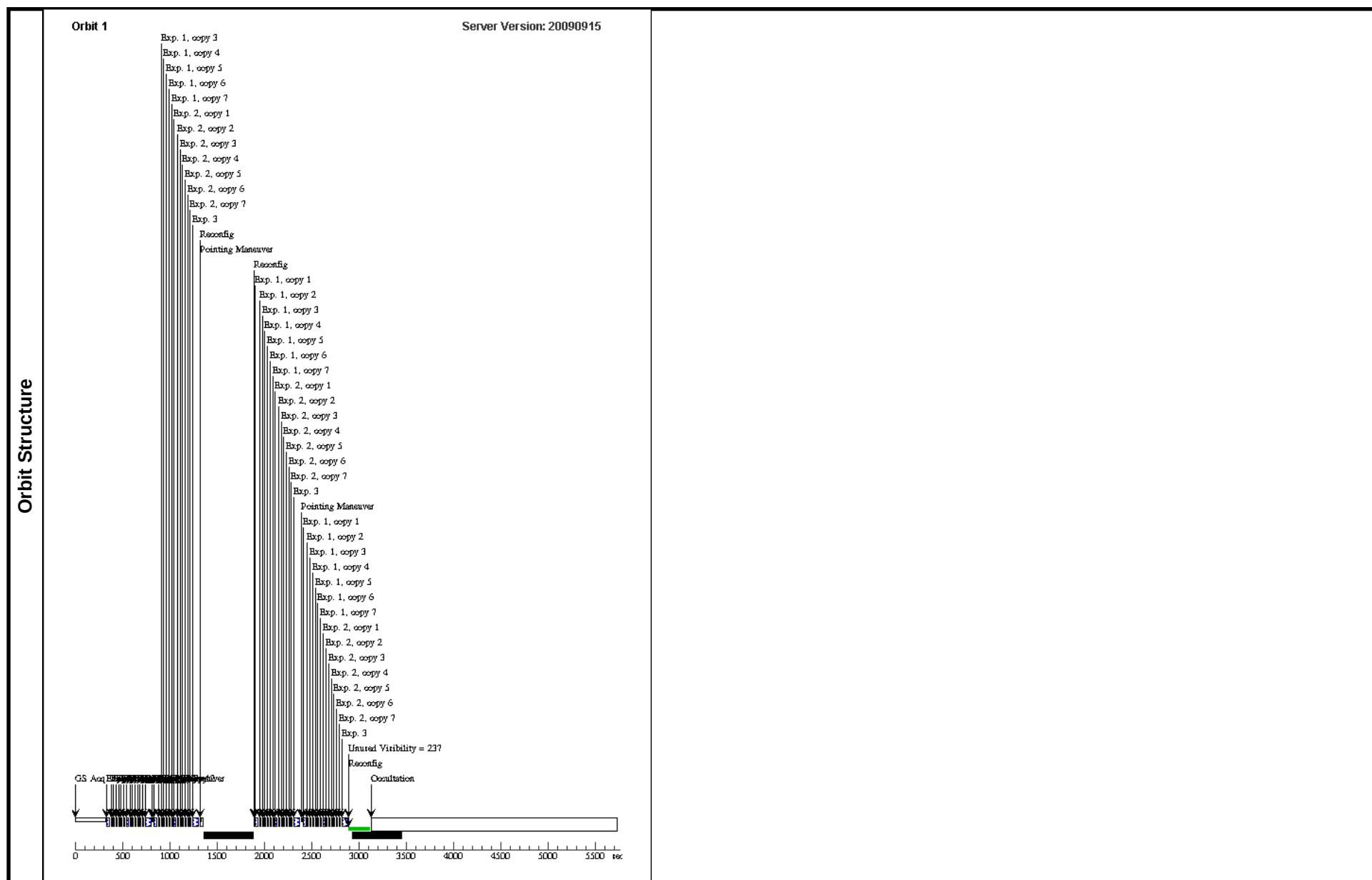
Visit	Proposal 11205, Visit 01, completed Fri Dec 11 02:09:06 GMT 2009				
	Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: GYRO MODE 3GOBAD; ORIENT 50D TO 100 D; ORIENT 130D TO 200 D; ORIENT 230D TO 280 D; ORIENT 310D TO 20 D Comments: LMZ 9, LMZ 8				
Diagnostics	(Visit 01) Warning (Form): Gyro Mode overrides default value of 2G.				
Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(8)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false	(1-3)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(1)	LMZ9	RA: 05 46 4.2656 (86.5177733d) Dec: -00 14 32.09 (-.24225d) Equinox: J2000		V=(?) J=16.8, (J-K)=4.9
					Miscellaneous Reference Frame: ICRS

Proposal 11205 - Visit 01 - The Effects of Multiplicity on the Evolution of Young Stellar Objects: A NICMOS Imaging S...

	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
Exposures	1		(1) LMZ9	WFC3/IR, MULTIACCUM, IRSUB512	F110W	SAMP-SEQ=SPARS 10; NSAMP=2		Pattern 8, Exps 1-3 (8)	[==>(Pattern 1, Copy 1)]		[1]
									[==>(Pattern 1, Copy 2)]		
									[==>(Pattern 1, Copy 3)]		
									[==>(Pattern 1, Copy 4)]		
									[==>(Pattern 1, Copy 5)]		
									[==>(Pattern 1, Copy 6)]		
									[==>(Pattern 1, Copy 7)]		
									[==>(Pattern 2, Copy 1)]		
									[==>(Pattern 2, Copy 2)]		
									[==>(Pattern 2, Copy 3)]		
									[==>(Pattern 2, Copy 4)]		
									[==>(Pattern 2, Copy 5)]		
									[==>(Pattern 2, Copy 6)]		
									[==>(Pattern 2, Copy 7)]		
									[==>(Pattern 3, Copy 1)]		
									[==>(Pattern 3, Copy 2)]		
									[==>(Pattern 3, Copy 3)]		
									[==>(Pattern 3, Copy 4)]		
									[==>(Pattern 3, Copy 5)]		
									[==>(Pattern 3, Copy 6)]		
									[==>(Pattern 3, Copy 7)]		
									[==>(Pattern 4, Copy 1)]		
									[==>(Pattern 4, Copy 2)]		
									[==>(Pattern 4, Copy 3)]		
									[==>(Pattern 4, Copy 4)]		
									[==>(Pattern 4, Copy 5)]		
									[==>(Pattern 4, Copy 6)]		
									[==>(Pattern 4, Copy 7)]		

Proposal 11205 - Visit 01 - The Effects of Multiplicity on the Evolution of Young Stellar Objects: A NICMOS Imaging S...

	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
Exposures (continued)	2		(1) LMZ9	WFC3/IR, MULTIACCUM, IRSUB512	F160W	SAMP-SEQ=SPARS 10; NSAMP=2		Pattern 8, Exps 1-3 (8)	[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 1, Copy 4)] [==>(Pattern 1, Copy 5)] [==>(Pattern 1, Copy 6)] [==>(Pattern 1, Copy 7)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)] [==>(Pattern 2, Copy 4)] [==>(Pattern 2, Copy 5)] [==>(Pattern 2, Copy 6)] [==>(Pattern 2, Copy 7)] [==>(Pattern 3, Copy 1)] [==>(Pattern 3, Copy 2)] [==>(Pattern 3, Copy 3)] [==>(Pattern 3, Copy 4)] [==>(Pattern 3, Copy 5)] [==>(Pattern 3, Copy 6)] [==>(Pattern 3, Copy 7)] [==>(Pattern 4, Copy 1)] [==>(Pattern 4, Copy 2)] [==>(Pattern 4, Copy 3)] [==>(Pattern 4, Copy 4)] [==>(Pattern 4, Copy 5)] [==>(Pattern 4, Copy 6)] [==>(Pattern 4, Copy 7)]		[1]
	3		(1) LMZ9	WFC3/IR, MULTIACCUM, IRSUB512	F164N	SAMP-SEQ=SPARS 10; NSAMP=7		Pattern 8, Exps 1-3 (8)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		



Proposal 11205 - Visit 02 - The Effects of Multiplicity on the Evolution of Young Stellar Objects: A NICMOS Imaging S...

Visit	Proposal 11205, Visit 02, completed Fri Dec 11 02:09:07 GMT 2009									
	Diagnostic Status: No Diagnostics Scientific Instruments: NIC1 Special Requirements: (none) Comments: V1647 Ori, N590									
Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
	(1)	Pattern Type=NIC-SPIRAL-DITH Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=0.0 Number Of Points=4 Angle Between Sides= Point Spacing=2.3 Center Pattern=true Line Spacing=							(1-2)	
	(3)	Pattern Type=NIC-SPIRAL-DITH Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=0.0 Number Of Points=9 Angle Between Sides= Point Spacing=1.6 Center Pattern=true Line Spacing=							(3-4)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(2)	V1647ORI	RA: 05 46 13.1360 (86.5547333d)				V=(?)		Reference Frame: ICRS	
			Dec: -00 06 4.82 (-.10134d)				J=14.7,			
			Equinox: J2000				(J-K)=4.5			
Fixed Targets	(45)	N590	RA: 05 46 19.4700 (86.5811250d)				V=(?)		Reference Frame: ICRS	
			Dec: -00 05 20.00 (-.08889d)				J=10.7,			
			Equinox: J2000				(J-K)=1.7			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(2) V1647ORI	NIC1, MULTIACCUM, NIC1	F110W	SAMP-SEQ=SPARS 32; NSAMP=7		Pattern 1, Exps 1-2 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2		(2) V1647ORI	NIC1, MULTIACCUM, NIC1	F160W	SAMP-SEQ=SPARS 32; NSAMP=7		Pattern 1, Exps 1-2 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]

Proposal 11205 - Visit 02 - The Effects of Multiplicity on the Evolution of Young Stellar Objects: A NICMOS Imaging S...

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	3		(45) N590	NIC1, MULTIACCUM, NIC1	F110W	SAMP-SEQ=STEP1 ; NSAMP=7		Pattern 3, Exps 3-4 (3)	[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 3, Copy 1)] [==>(Pattern 3, Copy 2)] [==>(Pattern 4, Copy 1)] [==>(Pattern 4, Copy 2)] [==>(Pattern 5, Copy 1)] [==>(Pattern 5, Copy 2)] [==>(Pattern 6, Copy 1)] [==>(Pattern 6, Copy 2)] [==>(Pattern 7, Copy 1)] [==>(Pattern 7, Copy 2)] [==>(Pattern 8, Copy 1)] [==>(Pattern 8, Copy 2)] [==>(Pattern 9, Copy 1)] [==>(Pattern 9, Copy 2)]	[1]
	4		(45) N590	NIC1, MULTIACCUM, NIC1	F160W	SAMP-SEQ=STEP1 ; NSAMP=7		Pattern 3, Exps 3-4 (3)	[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 3, Copy 1)] [==>(Pattern 3, Copy 2)] [==>(Pattern 4, Copy 1)] [==>(Pattern 4, Copy 2)] [==>(Pattern 5, Copy 1)] [==>(Pattern 5, Copy 2)] [==>(Pattern 6, Copy 1)] [==>(Pattern 6, Copy 2)] [==>(Pattern 7, Copy 1)] [==>(Pattern 7, Copy 2)] [==>(Pattern 8, Copy 1)] [==>(Pattern 8, Copy 2)] [==>(Pattern 9, Copy 1)] [==>(Pattern 9, Copy 2)]	[1]



Proposal 11205 - Visit 05 - The Effects of Multiplicity on the Evolution of Young Stellar Objects: A NICMOS Imaging S...

Visit	Proposal 11205, Visit 05, completed Fri Dec 11 02:09:08 GMT 2009									
	Diagnostic Status: No Diagnostics Scientific Instruments: NIC1 Special Requirements: (none) Comments: LMZ 7, N458									
Patterns	#	Primary Pattern				Secondary Pattern				Exposures
	(1)	Pattern Type=NIC-SPIRAL-DITH Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=0.0 Number Of Points=4 Angle Between Sides= Point Spacing=2.3 Center Pattern=true Line Spacing=								(1-2)
	(3)	Pattern Type=NIC-SPIRAL-DITH Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=0.0 Number Of Points=9 Angle Between Sides= Point Spacing=1.6 Center Pattern=true Line Spacing=								(3-4)
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(4)	LMZ7	RA: 05 46 7.2500 (86.5302083d)				V=(?)		Reference Frame: ICRS	
			Dec: -00 13 29.80 (-.22494d)				J>17			
			Equinox: J2000							
	(32)	N458	RA: 05 46 7.8860 (86.5328583d)				V=(?)		Reference Frame: ICRS	
			Dec: -00 11 56.87 (-.19913d)				J=9.8,			
			Equinox: J2000				(J-K)=1.4			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(4) LMZ7	NIC1, MULTIACCUM, NIC1	F110W	SAMP-SEQ=SPARS 32; NSAMP=7		Pattern 1, Exps 1-2 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2		(4) LMZ7	NIC1, MULTIACCUM, NIC1	F160W	SAMP-SEQ=SPARS 32; NSAMP=7		Pattern 1, Exps 1-2 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]

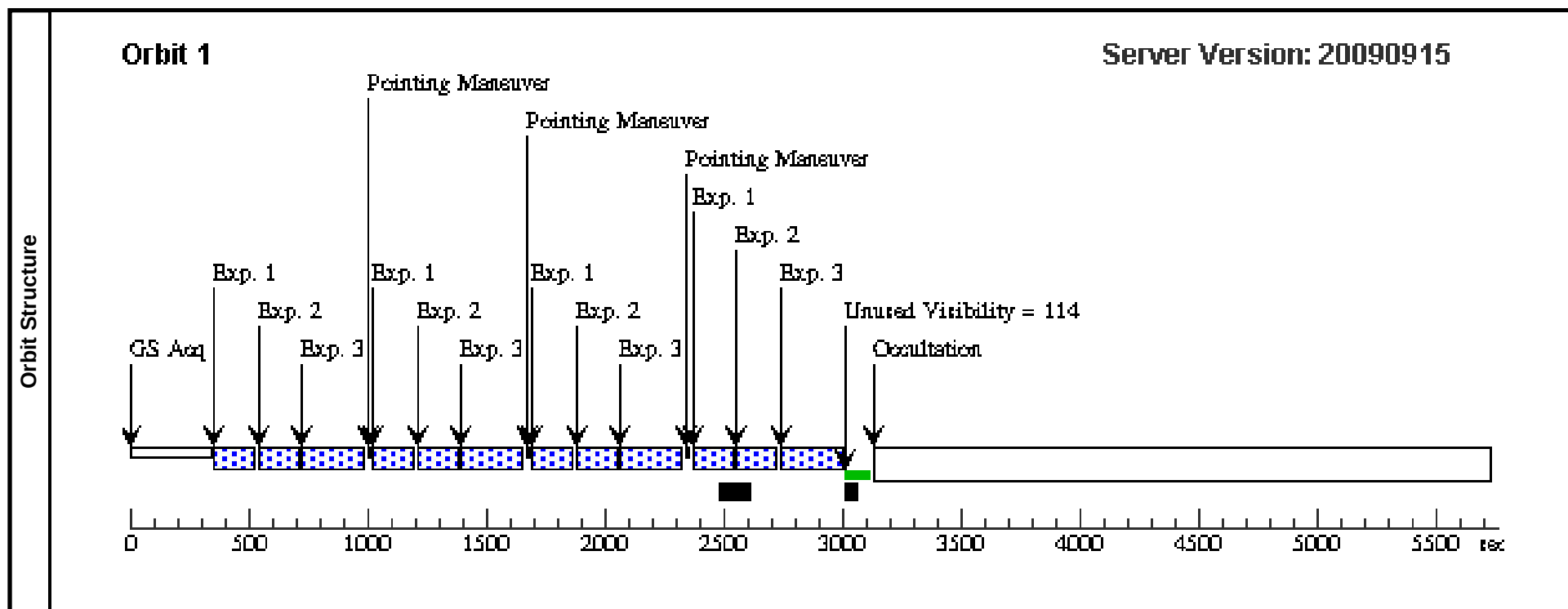
Proposal 11205 - Visit 05 - The Effects of Multiplicity on the Evolution of Young Stellar Objects: A NICMOS Imaging S...

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	3		(32) N458	NIC1, MULTIACCUM, NIC1	F110W	SAMP-SEQ=STEP1 ; NSAMP=7		Pattern 3, Exps 3-4 (3)	[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 3, Copy 1)] [==>(Pattern 3, Copy 2)] [==>(Pattern 4, Copy 1)] [==>(Pattern 4, Copy 2)] [==>(Pattern 5, Copy 1)] [==>(Pattern 5, Copy 2)] [==>(Pattern 6, Copy 1)] [==>(Pattern 6, Copy 2)] [==>(Pattern 7, Copy 1)] [==>(Pattern 7, Copy 2)] [==>(Pattern 8, Copy 1)] [==>(Pattern 8, Copy 2)] [==>(Pattern 9, Copy 1)] [==>(Pattern 9, Copy 2)]	[1]
	4		(32) N458	NIC1, MULTIACCUM, NIC1	F160W	SAMP-SEQ=STEP1 ; NSAMP=7		Pattern 3, Exps 3-4 (3)	[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 3, Copy 1)] [==>(Pattern 3, Copy 2)] [==>(Pattern 4, Copy 1)] [==>(Pattern 4, Copy 2)] [==>(Pattern 5, Copy 1)] [==>(Pattern 5, Copy 2)] [==>(Pattern 6, Copy 1)] [==>(Pattern 6, Copy 2)] [==>(Pattern 7, Copy 1)] [==>(Pattern 7, Copy 2)] [==>(Pattern 8, Copy 1)] [==>(Pattern 8, Copy 2)] [==>(Pattern 9, Copy 1)] [==>(Pattern 9, Copy 2)]	[1]



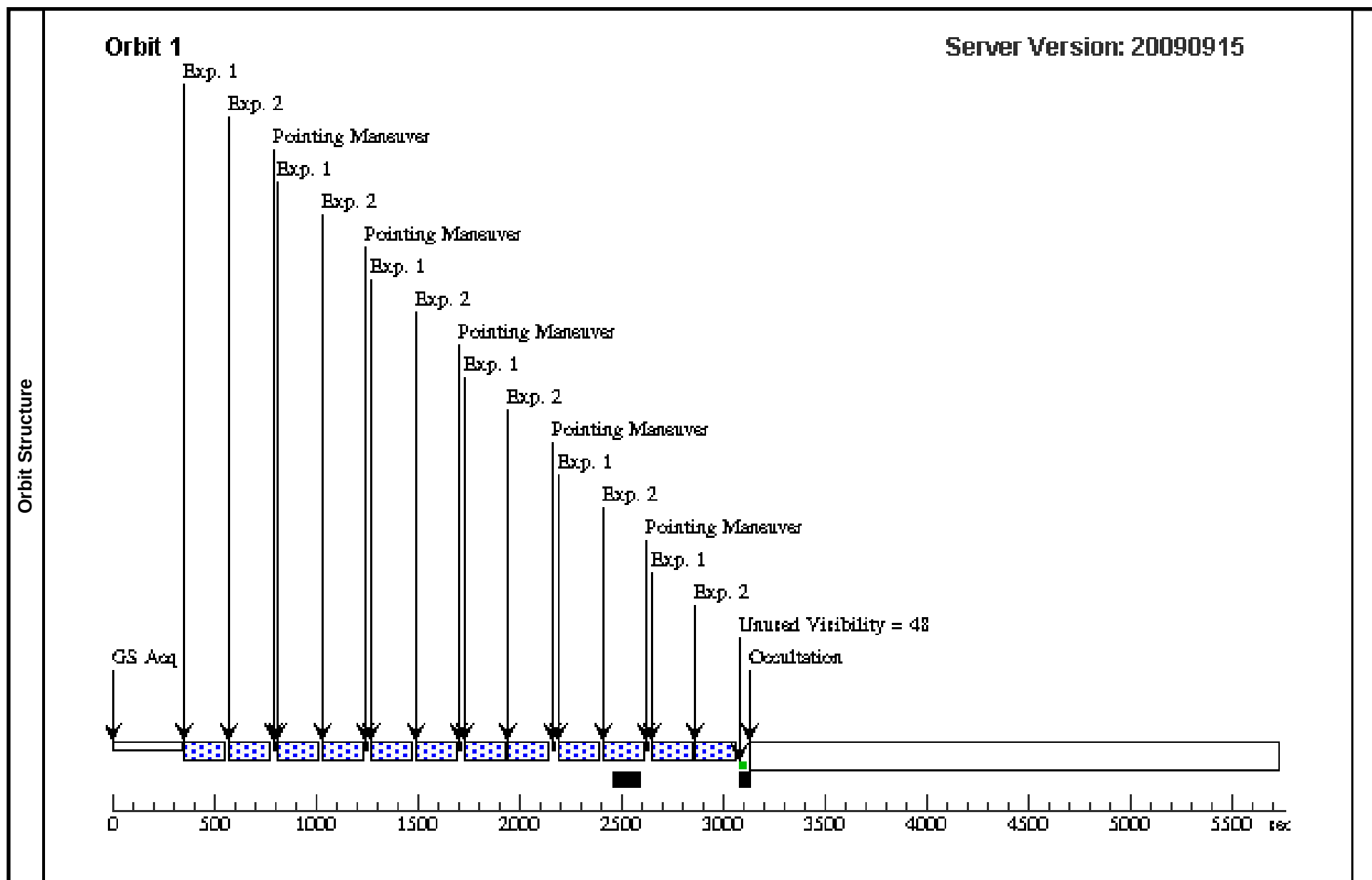
Proposal 11205 - Visit 06 - The Effects of Multiplicity on the Evolution of Young Stellar Objects: A NICMOS Imaging S...

Visit	Proposal 11205, Visit 06, completed Fri Dec 11 02:09:09 GMT 2009									
	Diagnostic Status: No Diagnostics Scientific Instruments: NIC1 Special Requirements: (none) Comments: C1-9									
Patterns	#	Primary Pattern				Secondary Pattern				Exposures
	(1)	Pattern Type=NIC-SPIRAL-DITH Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=0.0 Number Of Points=4 Angle Between Sides= Point Spacing=2.3 Center Pattern=true Line Spacing=								(1-3)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(8)	C1-9	RA: 05 46 8.0470 (86.5335292d) Dec: -00 14 5.28 (-.23480d) Equinox: J2000		V=(?) J=17.8, (J-K)=3.4	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(8) C1-9	NIC1, MULTIACCUM, NIC1	F110W	SAMP-SEQ=SPARS 32; NSAMP=7		Pattern 1, Exps 1-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2		(8) C1-9	NIC1, MULTIACCUM, NIC1	F160W	SAMP-SEQ=SPARS 32; NSAMP=7		Pattern 1, Exps 1-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	3		(8) C1-9	NIC1, MULTIACCUM, NIC1	F164N	SAMP-SEQ=SPARS 32; NSAMP=10		Pattern 1, Exps 1-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]



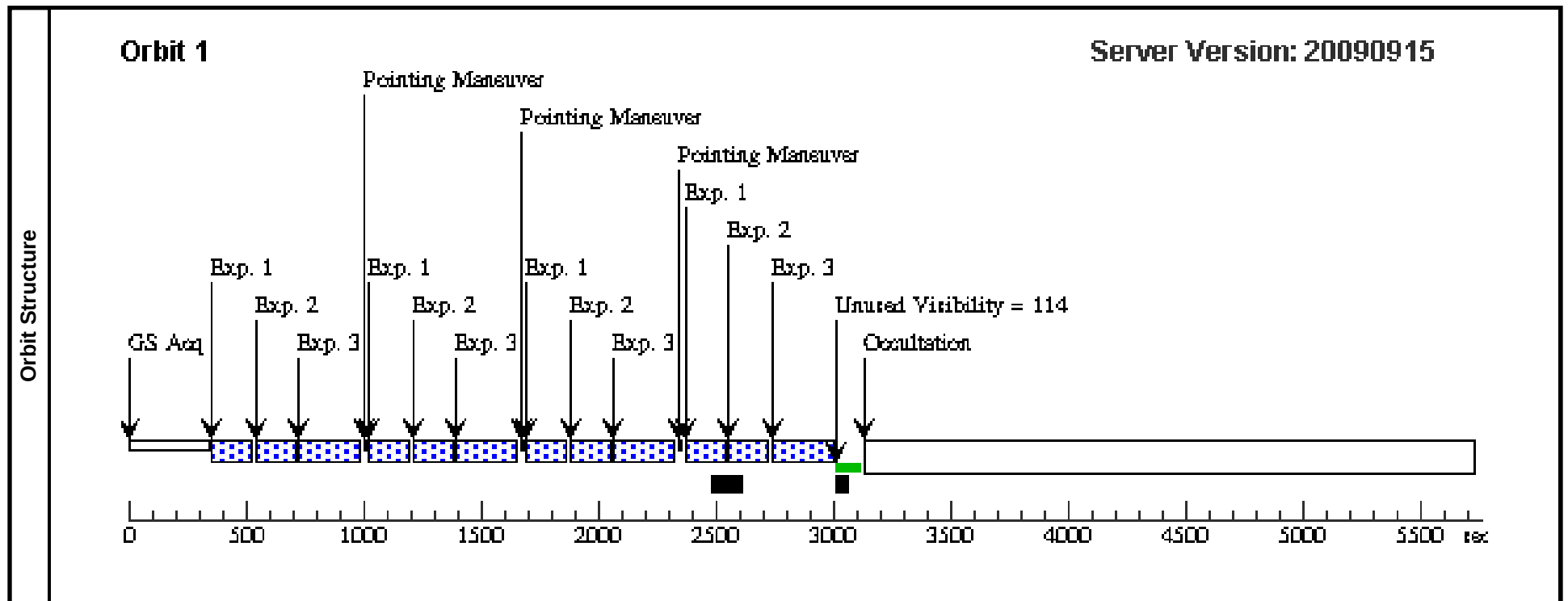
Proposal 11205 - Visit 07 - The Effects of Multiplicity on the Evolution of Young Stellar Objects: A NICMOS Imaging S...

Visit	Proposal 11205, Visit 07, completed										Fri Dec 11 02:09:09 GMT 2009	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: NIC1											
	Special Requirements: (none)											
	Comments: LMZ 9B											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures		
	(2)	Pattern Type=NIC-MAP Purpose=MOSAIC Number Of Points=3 Point Spacing=5.4 Line Spacing=		Coordinate Frame=CELESTIAL Pattern Orientation=270.0 Angle Between Sides= Center Pattern=false		Pattern Type=NIC-MAP Purpose=MOSAIC Number Of Points=2 Point Spacing=2.2 Line Spacing=		Coordinate Frame=CELESTIAL Pattern Orientation=0.0 Angle Between Sides= Center Pattern=false		(1-2)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(9)	LMZ9B	RA: 05 46 8.4560 (86.5352333d) Dec: -00 10 2.96 (-.16749d) Equinox: J2000				V=(?) J=15.9, (J-K)=4.7		Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit	
	1		(9) LMZ9B	NIC1, MULTIACCUM, NIC1	F110W	SAMP-SEQ=SPARS 32; NSAMP=8		Pattern 2, Exps 1-2 (2)	[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)] [==>(Pattern 3,1)] [==>(Pattern 3,2)]		[1]	
	2		(9) LMZ9B	NIC1, MULTIACCUM, NIC1	F160W	SAMP-SEQ=SPARS 32; NSAMP=8		Pattern 2, Exps 1-2 (2)	[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)] [==>(Pattern 3,1)] [==>(Pattern 3,2)]		[1]	



Proposal 11205 - Visit 09 - The Effects of Multiplicity on the Evolution of Young Stellar Objects: A NICMOS Imaging S...

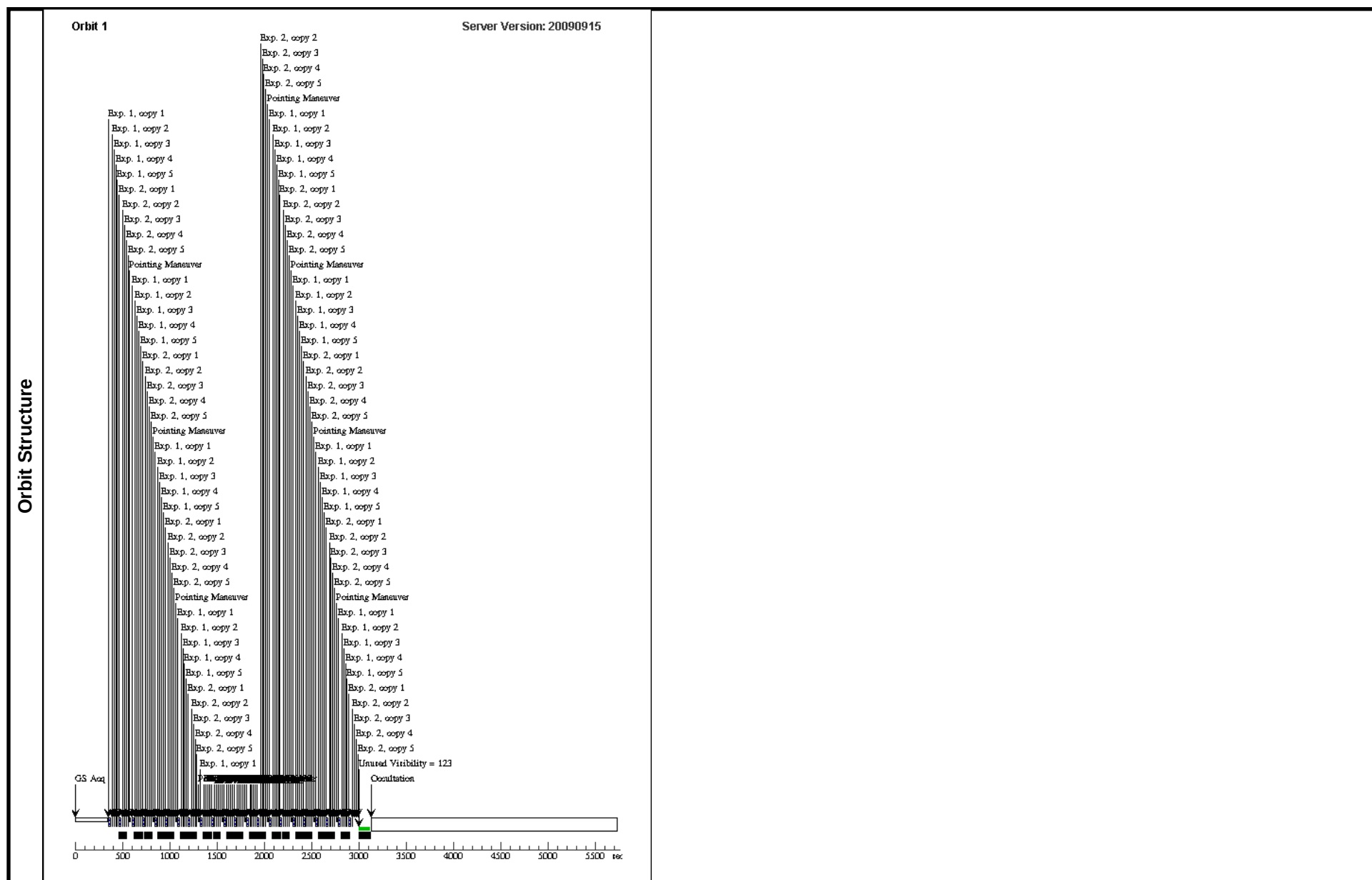
Visit	Proposal 11205, Visit 09, completed Fri Dec 11 02:09:10 GMT 2009									
	Diagnostic Status: No Diagnostics Scientific Instruments: NIC1 Special Requirements: (none) Comments: ORIBSMM 38									
Patterns	#	Primary Pattern				Secondary Pattern				Exposures
	(1)	Pattern Type=NIC-SPIRAL-DITH Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=0.0 Number Of Points=4 Angle Between Sides= Point Spacing=2.3 Center Pattern=true Line Spacing=								(1-3)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(16)	ORIBSMM38	RA: 05 46 37.5510 (86.6564625d) Dec: +00 00 33.80 (.00939d) Equinox: J2000		V=(?) J=18.5, (J-K)=3.6	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(16) ORIBSMM38	NIC1, MULTIACCUM, NIC1	F110W	SAMP-SEQ=SPARS 32; NSAMP=7		Pattern 1, Exps 1-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2		(16) ORIBSMM38	NIC1, MULTIACCUM, NIC1	F160W	SAMP-SEQ=SPARS 32; NSAMP=7		Pattern 1, Exps 1-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	3		(16) ORIBSMM38	NIC1, MULTIACCUM, NIC1	F164N	SAMP-SEQ=SPARS 32; NSAMP=10		Pattern 1, Exps 1-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]



Proposal 11205 - Visit 12 - The Effects of Multiplicity on the Evolution of Young Stellar Objects: A NICMOS Imaging S...

Visit	Proposal 11205, Visit 12, completed Fri Dec 11 02:09:10 GMT 2009				
	Diagnostic Status: No Diagnostics Scientific Instruments: NIC1 Special Requirements: (none) Comments: N177				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(5)	Pattern Type=NIC-SPIRAL-DITH Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=0.0 Number Of Points=11 Angle Between Sides= Point Spacing=1.6 Center Pattern=true Line Spacing=			(1-2)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(28)	N177	RA: 05 45 41.9440 (86.4247667d) Dec: -00 12 5.33 (-.20148d) Equinox: J2000		V=(?) J=11.9, (J-K)=0.9
					Miscellaneous
					Reference Frame: ICRS

Exposures	An item that belongs under the heading Exposures could not be fit on a full page so it will not be displayed. You can look above and below this entry in the table to discover what was omitted.
Exposures	An item that belongs under the heading Exposures could not be fit on a full page so it will not be displayed. You can look above and below this entry in the table to discover what was omitted.

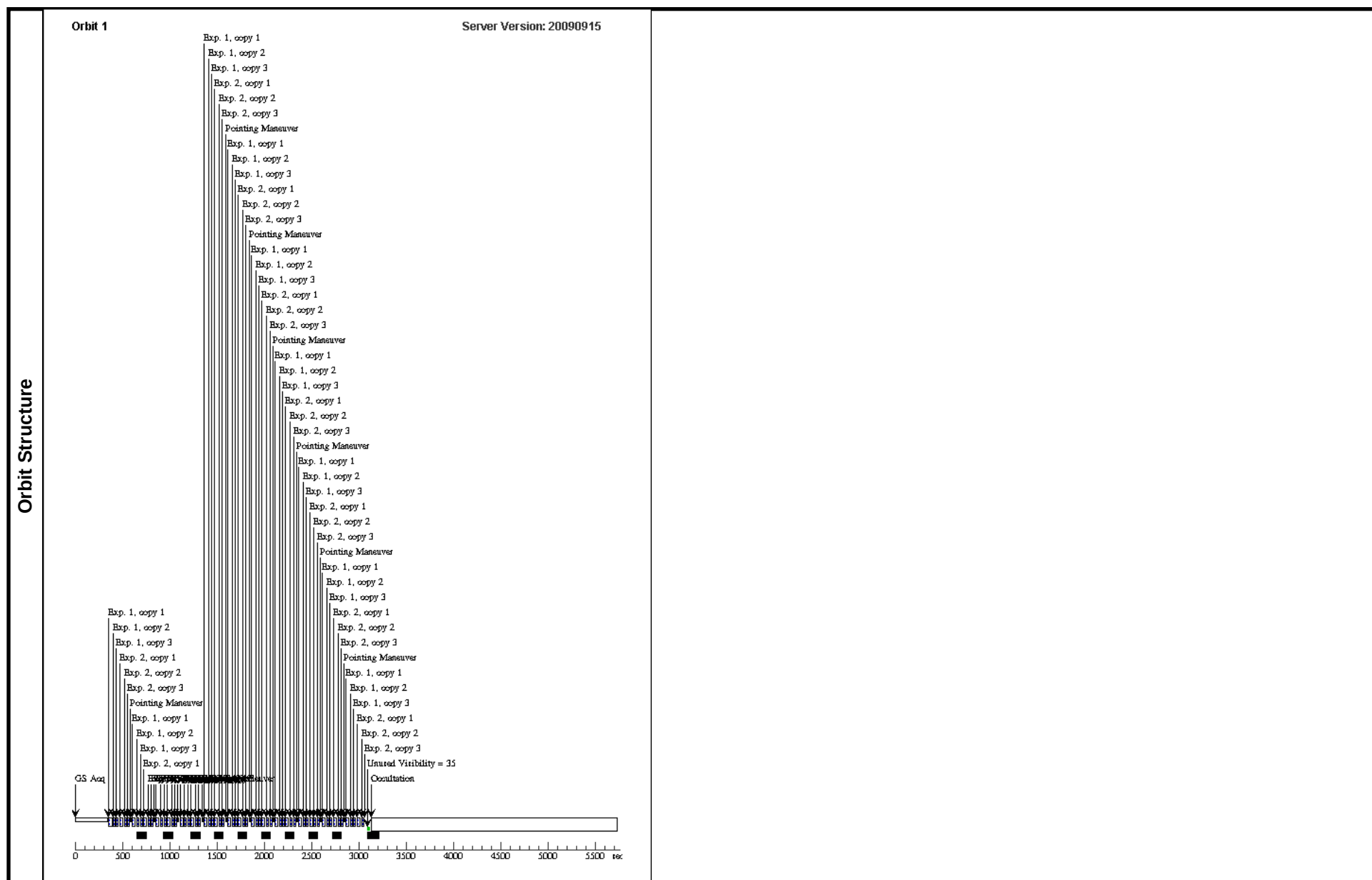


Proposal 11205 - Visit 13 - The Effects of Multiplicity on the Evolution of Young Stellar Objects: A NICMOS Imaging S...

Visit	Proposal 11205, Visit 13, completed				Fri Dec 11 02:09:11 GMT 2009	
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: NIC1					
	Special Requirements: (none)					
	Comments: N281					
Patterns	#	Primary Pattern		Secondary Pattern	Exposures	
	(5)	Pattern Type=NIC-SPIRAL-DITH Purpose=DITHER Number Of Points=11 Point Spacing=1.6 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=0.0 Angle Between Sides= Center Pattern=true		(1-2)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(29)	N281	RA: 05 45 53.1150 (86.4713125d) Dec: -00 13 24.89 (-.22358d) Equinox: J2000		V=(?) J=12.8, (J-K)=1.1	Reference Frame: ICRS

Proposal 11205 - Visit 13 - The Effects of Multiplicity on the Evolution of Young Stellar Objects: A NICMOS Imaging S...

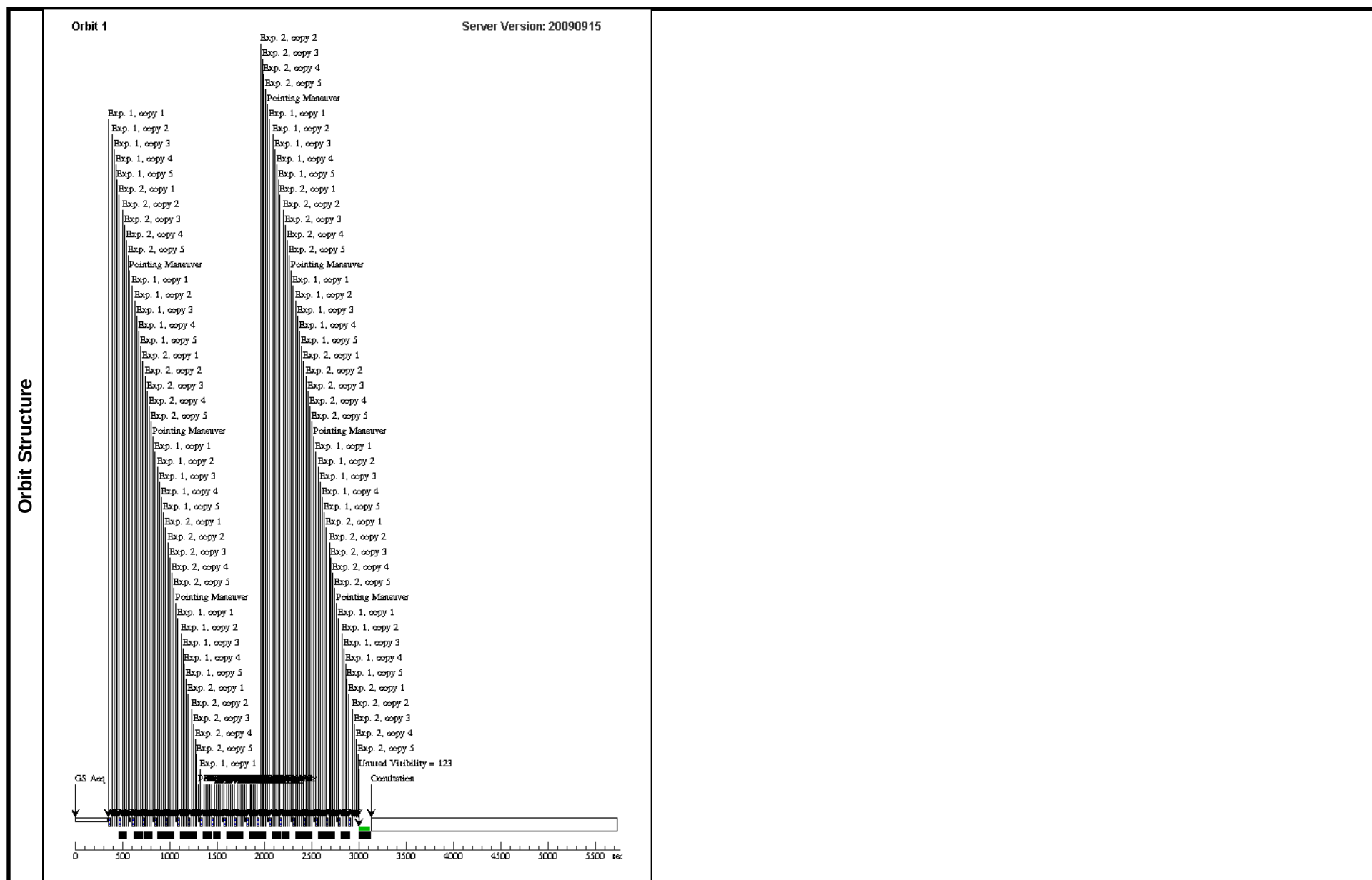
#	Label	Target	Config, Mode, Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1		(29) N281	NIC1, MULTIACCUM, NIC1	F110W	SAMP-SEQ=STEP8 ; NSAMP=8		Pattern 5, Exps 1-2 (5)	[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)] [==>(Pattern 3, Copy 1)] [==>(Pattern 3, Copy 2)] [==>(Pattern 3, Copy 3)] [==>(Pattern 4, Copy 1)] [==>(Pattern 4, Copy 2)] [==>(Pattern 4, Copy 3)] [==>(Pattern 5, Copy 1)] [==>(Pattern 5, Copy 2)] [==>(Pattern 5, Copy 3)] [==>(Pattern 6, Copy 1)] [==>(Pattern 6, Copy 2)] [==>(Pattern 6, Copy 3)] [==>(Pattern 7, Copy 1)] [==>(Pattern 7, Copy 2)] [==>(Pattern 7, Copy 3)] [==>(Pattern 8, Copy 1)] [==>(Pattern 8, Copy 2)] [==>(Pattern 8, Copy 3)] [==>(Pattern 9, Copy 1)] [==>(Pattern 9, Copy 2)] [==>(Pattern 9, Copy 3)] [==>(Pattern 10, Copy 1)] [==>(Pattern 10, Copy 2)] [==>(Pattern 10, Copy 3)] [==>(Pattern 11, Copy 1)] [==>(Pattern 11, Copy 2)] [==>(Pattern 11, Copy 3)]	[1]



Proposal 11205 - Visit 14 - The Effects of Multiplicity on the Evolution of Young Stellar Objects: A NICMOS Imaging S...

Visit	Proposal 11205, Visit 14, completed Fri Dec 11 02:09:12 GMT 2009				
	Diagnostic Status: No Diagnostics Scientific Instruments: NIC1 Special Requirements: (none) Comments: N326				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(5)	Pattern Type=NIC-SPIRAL-DITH Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=0.0 Number Of Points=11 Angle Between Sides= Point Spacing=1.6 Center Pattern=true Line Spacing=			(1-2)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(30)	N326	RA: 05 45 56.3100 (86.4846250d) Dec: +00 07 8.58 (.11905d) Equinox: J2000		V=(?) J=12.1, (J-K)=1.1
					Miscellaneous
					Reference Frame: ICRS

Exposures	An item that belongs under the heading Exposures could not be fit on a full page so it will not be displayed. You can look above and below this entry in the table to discover what was omitted.
Exposures	An item that belongs under the heading Exposures could not be fit on a full page so it will not be displayed. You can look above and below this entry in the table to discover what was omitted.



Proposal 11205 - Visit 15 - The Effects of Multiplicity on the Evolution of Young Stellar Objects: A NICMOS Imaging S...

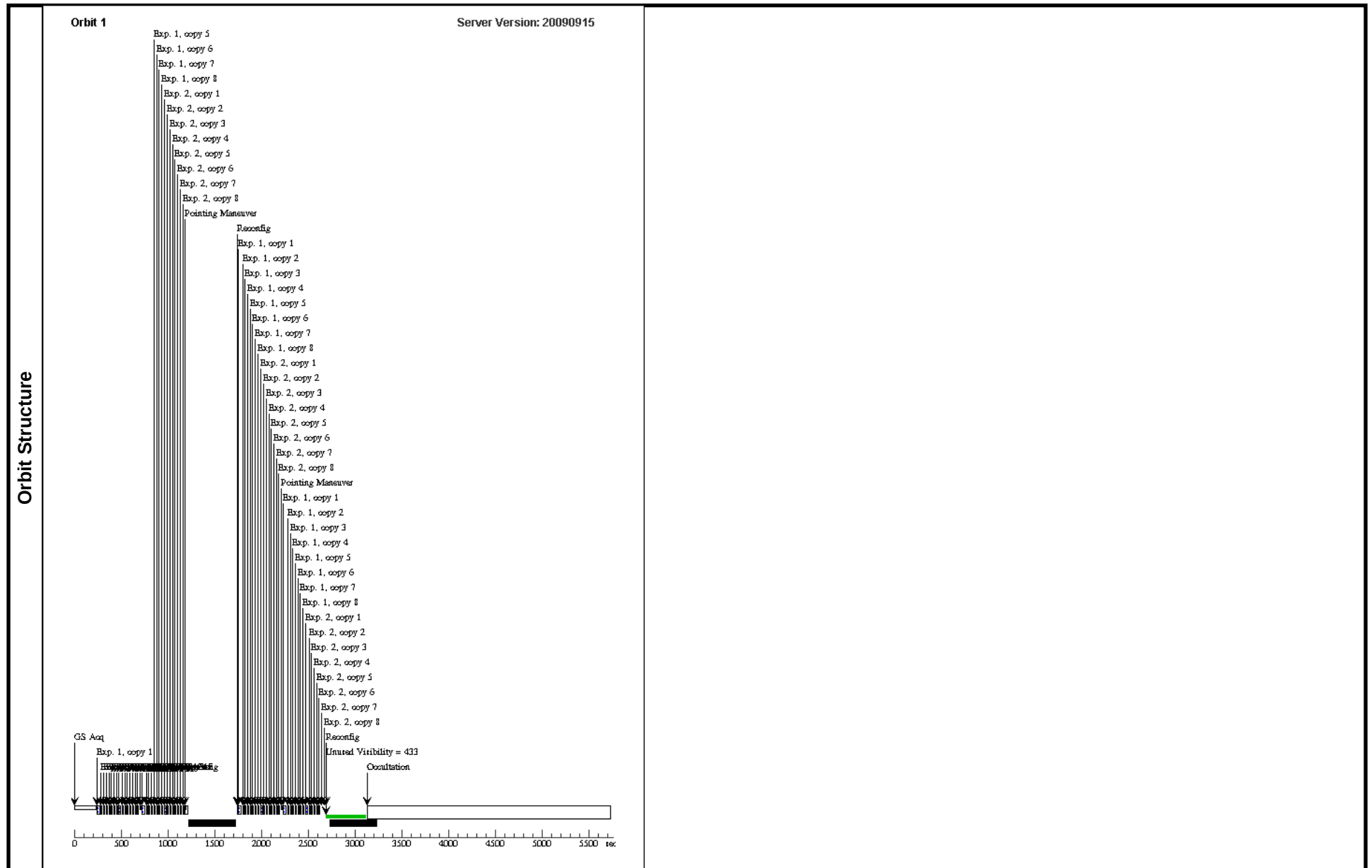
Visit	Proposal 11205, Visit 15, completed Fri Dec 11 02:09:13 GMT 2009				
	Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: GYRO MODE 3GOBAD Comments: N351, N373				
Diagnosics	(Visit 15) Warning (Form): Gyro Mode overrides default value of 2G.				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(8)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365		Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false	(1-2)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(31)	N351	RA: 05 45 59.1675 (86.4965312d) Dec: +00 02 51.79 (.04772d) Equinox: J2000		V=(?) J=13.5, (J-K)=1.4
					Miscellaneous Reference Frame: ICRS

Proposal 11205 - Visit 15 - The Effects of Multiplicity on the Evolution of Young Stellar Objects: A NICMOS Imaging S...

	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
Exposures	1		(31) N351	WFC3/IR, MULTIACCUM, IRSUB512	F110W	SAMP-SEQ=SPARS 10; NSAMP=2	GS ACQ SCENARI O SINGLE	Pattern 8, Exps 1-2 (8)	[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 1, Copy 4)] [==>(Pattern 1, Copy 5)] [==>(Pattern 1, Copy 6)] [==>(Pattern 1, Copy 7)] [==>(Pattern 1, Copy 8)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)] [==>(Pattern 2, Copy 4)] [==>(Pattern 2, Copy 5)] [==>(Pattern 2, Copy 6)] [==>(Pattern 2, Copy 7)] [==>(Pattern 2, Copy 8)] [==>(Pattern 3, Copy 1)] [==>(Pattern 3, Copy 2)] [==>(Pattern 3, Copy 3)] [==>(Pattern 3, Copy 4)] [==>(Pattern 3, Copy 5)] [==>(Pattern 3, Copy 6)] [==>(Pattern 3, Copy 7)] [==>(Pattern 3, Copy 8)] [==>(Pattern 4, Copy 1)] [==>(Pattern 4, Copy 2)] [==>(Pattern 4, Copy 3)] [==>(Pattern 4, Copy 4)] [==>(Pattern 4, Copy 5)] [==>(Pattern 4, Copy 6)] [==>(Pattern 4, Copy 7)] [==>(Pattern 4, Copy 8)]		[1]

Proposal 11205 - Visit 15 - The Effects of Multiplicity on the Evolution of Young Stellar Objects: A NICMOS Imaging S...

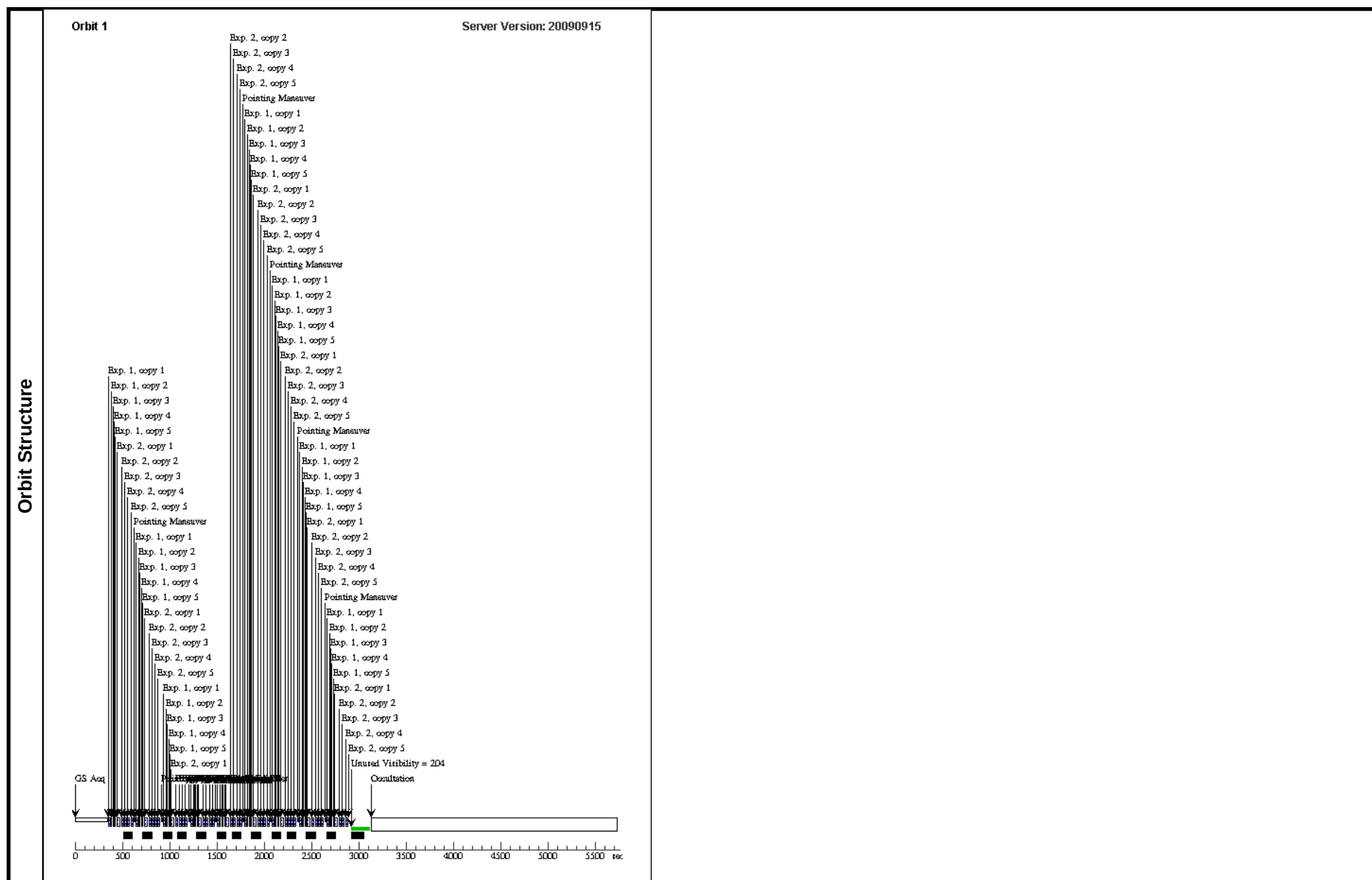
	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
Exposures (continued)	2		(31) N351	WFC3/IR, MULTIACCUM, IRSUB512	F160W	SAMP-SEQ=SPARS 10; NSAMP=2		Pattern 8, Exps 1-2 (8)	[==>(Pattern 1, Copy 1)]		[1]
									[==>(Pattern 1, Copy 2)]		
									[==>(Pattern 1, Copy 3)]		
									[==>(Pattern 1, Copy 4)]		
									[==>(Pattern 1, Copy 5)]		
									[==>(Pattern 1, Copy 6)]		
									[==>(Pattern 1, Copy 7)]		
									[==>(Pattern 1, Copy 8)]		
									[==>(Pattern 2, Copy 1)]		
									[==>(Pattern 2, Copy 2)]		
									[==>(Pattern 2, Copy 3)]		
									[==>(Pattern 2, Copy 4)]		
									[==>(Pattern 2, Copy 5)]		
									[==>(Pattern 2, Copy 6)]		
									[==>(Pattern 2, Copy 7)]		
									[==>(Pattern 2, Copy 8)]		
									[==>(Pattern 3, Copy 1)]		
									[==>(Pattern 3, Copy 2)]		
									[==>(Pattern 3, Copy 3)]		
									[==>(Pattern 3, Copy 4)]		
									[==>(Pattern 3, Copy 5)]		
									[==>(Pattern 3, Copy 6)]		
									[==>(Pattern 3, Copy 7)]		
									[==>(Pattern 3, Copy 8)]		
									[==>(Pattern 4, Copy 1)]		
									[==>(Pattern 4, Copy 2)]		
									[==>(Pattern 4, Copy 3)]		
									[==>(Pattern 4, Copy 4)]		
									[==>(Pattern 4, Copy 5)]		
									[==>(Pattern 4, Copy 6)]		
									[==>(Pattern 4, Copy 7)]		
									[==>(Pattern 4, Copy 8)]		



Proposal 11205 - Visit 16 - The Effects of Multiplicity on the Evolution of Young Stellar Objects: A NICMOS Imaging S...

Visit	Proposal 11205, Visit 16, completed				Fri Dec 11 02:09:13 GMT 2009	
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: NIC1					
	Special Requirements: (none)					
	Comments: N618					
Patterns	#	Primary Pattern		Secondary Pattern	Exposures	
	(3)	Pattern Type=NIC-SPIRAL-DITH Purpose=DITHER Number Of Points=9 Point Spacing=1.6 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=0.0 Angle Between Sides= Center Pattern=true		(1-2)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(34)	N618	RA: 05 46 22.4360 (86.5934833d) Dec: -00 08 52.62 (-.14795d) Equinox: J2000		V=(?) J=11.5, (J-K)=1.3	Reference Frame: ICRS

Exposures	An item that belongs under the heading Exposures could not be fit on a full page so it will not be displayed. You can look above and below this entry in the table to discover what was omitted.
Exposures	An item that belongs under the heading Exposures could not be fit on a full page so it will not be displayed. You can look above and below this entry in the table to discover what was omitted.



Proposal 11205 - Visit 17 - The Effects of Multiplicity on the Evolution of Young Stellar Objects: A NICMOS Imaging S...

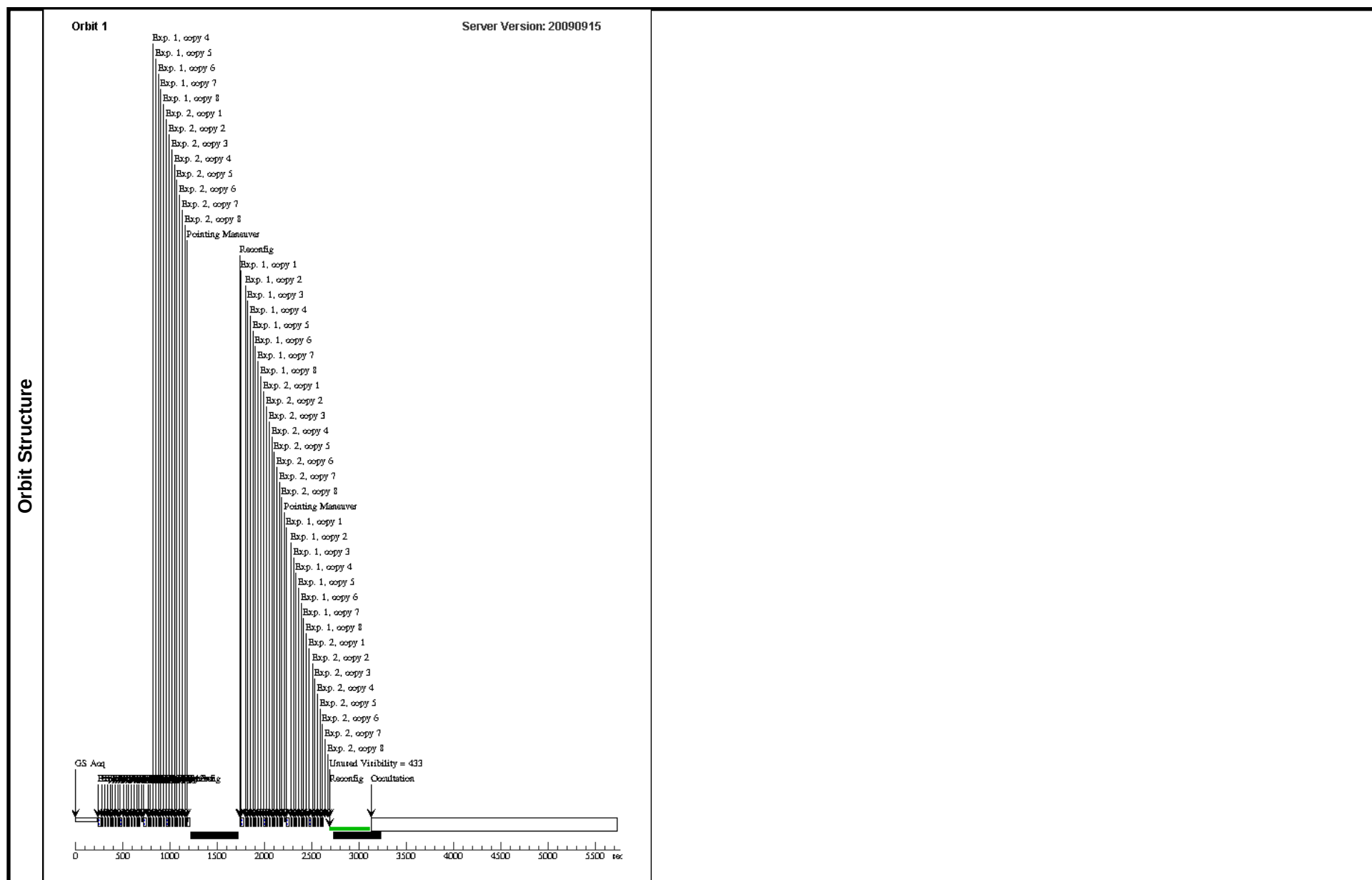
Visit	Proposal 11205, Visit 17, implementation Fri Dec 11 02:09:14 GMT 2009				
	Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: GYRO MODE 3GOBAD Comments: N741, N776				
Diagnostics	(Visit 17) Warning (Form): Gyro Mode overrides default value of 2G.				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(8)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365		Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false	(1-2)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(35)	N741	RA: 05 46 34.8980 (86.6454083d) Dec: +00 04 20.68 (.07241d) Equinox: J2000		V=(?) J=12.7, (J-K)=1.6
					Miscellaneous Reference Frame: ICRS

Proposal 11205 - Visit 17 - The Effects of Multiplicity on the Evolution of Young Stellar Objects: A NICMOS Imaging S...

	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
Exposures	1		(35) N741	WFC3/IR, MULTIACCUM, IRSUB512	F110W	SAMP-SEQ=SPARS 10; NSAMP=2	GS ACQ SCENARI O SINGLE	Pattern 8, Exps 1-2 (8)	[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 1, Copy 4)] [==>(Pattern 1, Copy 5)] [==>(Pattern 1, Copy 6)] [==>(Pattern 1, Copy 7)] [==>(Pattern 1, Copy 8)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)] [==>(Pattern 2, Copy 4)] [==>(Pattern 2, Copy 5)] [==>(Pattern 2, Copy 6)] [==>(Pattern 2, Copy 7)] [==>(Pattern 2, Copy 8)] [==>(Pattern 3, Copy 1)] [==>(Pattern 3, Copy 2)] [==>(Pattern 3, Copy 3)] [==>(Pattern 3, Copy 4)] [==>(Pattern 3, Copy 5)] [==>(Pattern 3, Copy 6)] [==>(Pattern 3, Copy 7)] [==>(Pattern 3, Copy 8)] [==>(Pattern 4, Copy 1)] [==>(Pattern 4, Copy 2)] [==>(Pattern 4, Copy 3)] [==>(Pattern 4, Copy 4)] [==>(Pattern 4, Copy 5)] [==>(Pattern 4, Copy 6)] [==>(Pattern 4, Copy 7)] [==>(Pattern 4, Copy 8)]		[1]

Proposal 11205 - Visit 17 - The Effects of Multiplicity on the Evolution of Young Stellar Objects: A NICMOS Imaging S...

	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
Exposures (continued)	2		(35) N741	WFC3/IR, MULTIACCUM, IRSUB512	F160W	SAMP-SEQ=SPARS 10; NSAMP=2		Pattern 8, Exps 1-2 (8)	[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 1, Copy 4)] [==>(Pattern 1, Copy 5)] [==>(Pattern 1, Copy 6)] [==>(Pattern 1, Copy 7)] [==>(Pattern 1, Copy 8)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)] [==>(Pattern 2, Copy 4)] [==>(Pattern 2, Copy 5)] [==>(Pattern 2, Copy 6)] [==>(Pattern 2, Copy 7)] [==>(Pattern 2, Copy 8)] [==>(Pattern 3, Copy 1)] [==>(Pattern 3, Copy 2)] [==>(Pattern 3, Copy 3)] [==>(Pattern 3, Copy 4)] [==>(Pattern 3, Copy 5)] [==>(Pattern 3, Copy 6)] [==>(Pattern 3, Copy 7)] [==>(Pattern 3, Copy 8)] [==>(Pattern 4, Copy 1)] [==>(Pattern 4, Copy 2)] [==>(Pattern 4, Copy 3)] [==>(Pattern 4, Copy 4)] [==>(Pattern 4, Copy 5)] [==>(Pattern 4, Copy 6)] [==>(Pattern 4, Copy 7)] [==>(Pattern 4, Copy 8)]		[1]



Proposal 11205 - Visit 18 - The Effects of Multiplicity on the Evolution of Young Stellar Objects: A NICMOS Imaging S...

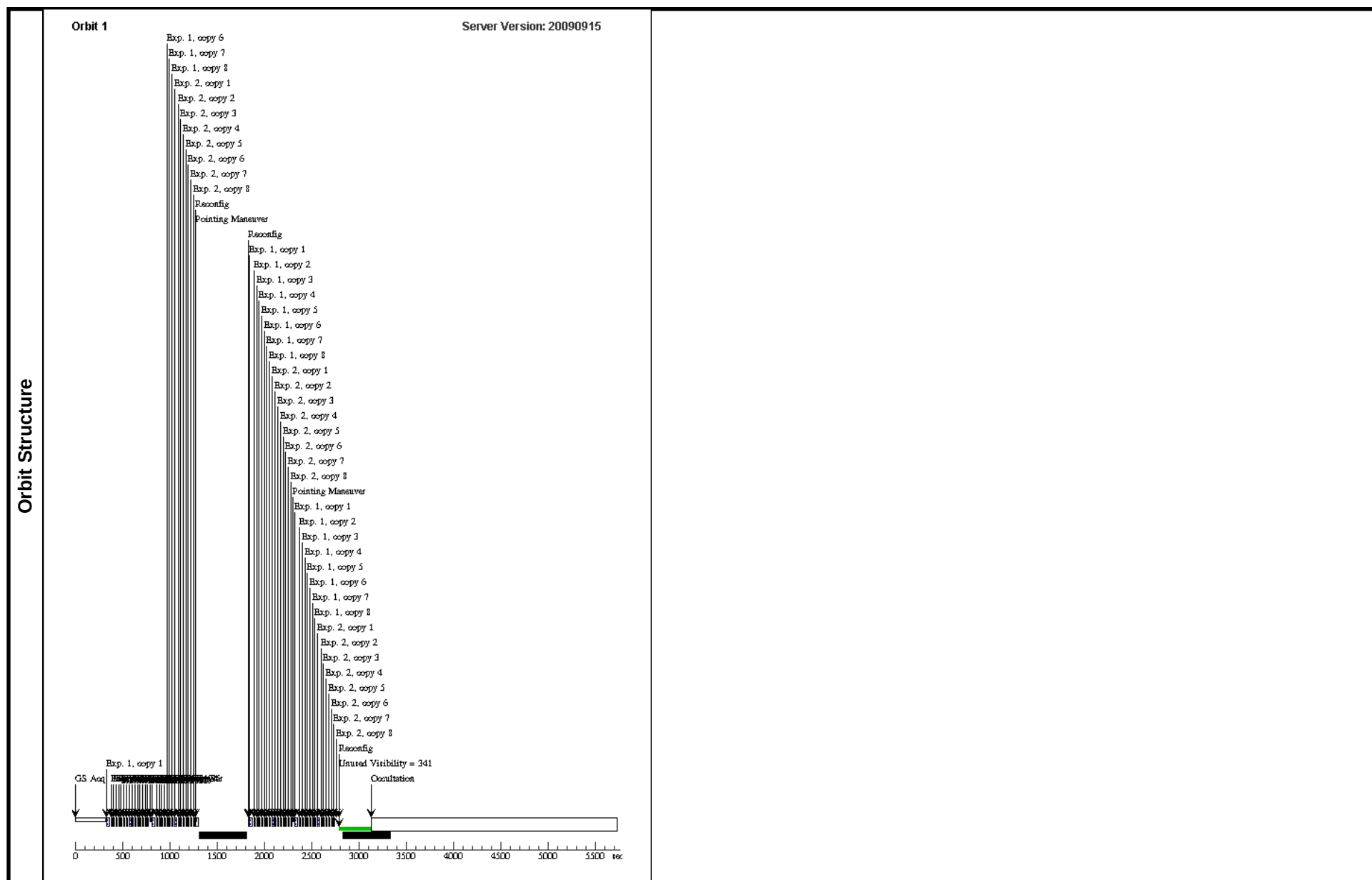
Visit	Proposal 11205, Visit 18, scheduling Fri Dec 11 02:09:15 GMT 2009				
	Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: GYRO MODE 3GOBAD Comments: N739, N715				
Diagnostics	(Visit 18) Warning (Form): Gyro Mode overrides default value of 2G.				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(8)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365		Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false	(1-2)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(36)	N739	RA: 05 46 33.2162 (86.6384008d) Dec: +00 06 41.72 (.11159d) Equinox: J2000		V=(?) J=12.0, (J-K)=2.2
					Miscellaneous Reference Frame: ICRS

Proposal 11205 - Visit 18 - The Effects of Multiplicity on the Evolution of Young Stellar Objects: A NICMOS Imaging S...

	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
Exposures	1		(36) N739	WFC3/IR, MULTIACCUM, IRSUB512	F110W	SAMP-SEQ=SPARS 10; NSAMP=2		Pattern 8, Exps 1-2 (8)	[==>(Pattern 1, Copy 1)]		[1]
									[==>(Pattern 1, Copy 2)]		
									[==>(Pattern 1, Copy 3)]		
									[==>(Pattern 1, Copy 4)]		
									[==>(Pattern 1, Copy 5)]		
									[==>(Pattern 1, Copy 6)]		
									[==>(Pattern 1, Copy 7)]		
									[==>(Pattern 1, Copy 8)]		
									[==>(Pattern 2, Copy 1)]		
									[==>(Pattern 2, Copy 2)]		
									[==>(Pattern 2, Copy 3)]		
									[==>(Pattern 2, Copy 4)]		
									[==>(Pattern 2, Copy 5)]		
									[==>(Pattern 2, Copy 6)]		
									[==>(Pattern 2, Copy 7)]		
									[==>(Pattern 2, Copy 8)]		
									[==>(Pattern 3, Copy 1)]		
									[==>(Pattern 3, Copy 2)]		
									[==>(Pattern 3, Copy 3)]		
									[==>(Pattern 3, Copy 4)]		
									[==>(Pattern 3, Copy 5)]		
									[==>(Pattern 3, Copy 6)]		
									[==>(Pattern 3, Copy 7)]		
									[==>(Pattern 3, Copy 8)]		
									[==>(Pattern 4, Copy 1)]		
									[==>(Pattern 4, Copy 2)]		
									[==>(Pattern 4, Copy 3)]		
									[==>(Pattern 4, Copy 4)]		
									[==>(Pattern 4, Copy 5)]		
									[==>(Pattern 4, Copy 6)]		
									[==>(Pattern 4, Copy 7)]		
									[==>(Pattern 4, Copy 8)]		

Proposal 11205 - Visit 18 - The Effects of Multiplicity on the Evolution of Young Stellar Objects: A NICMOS Imaging S...

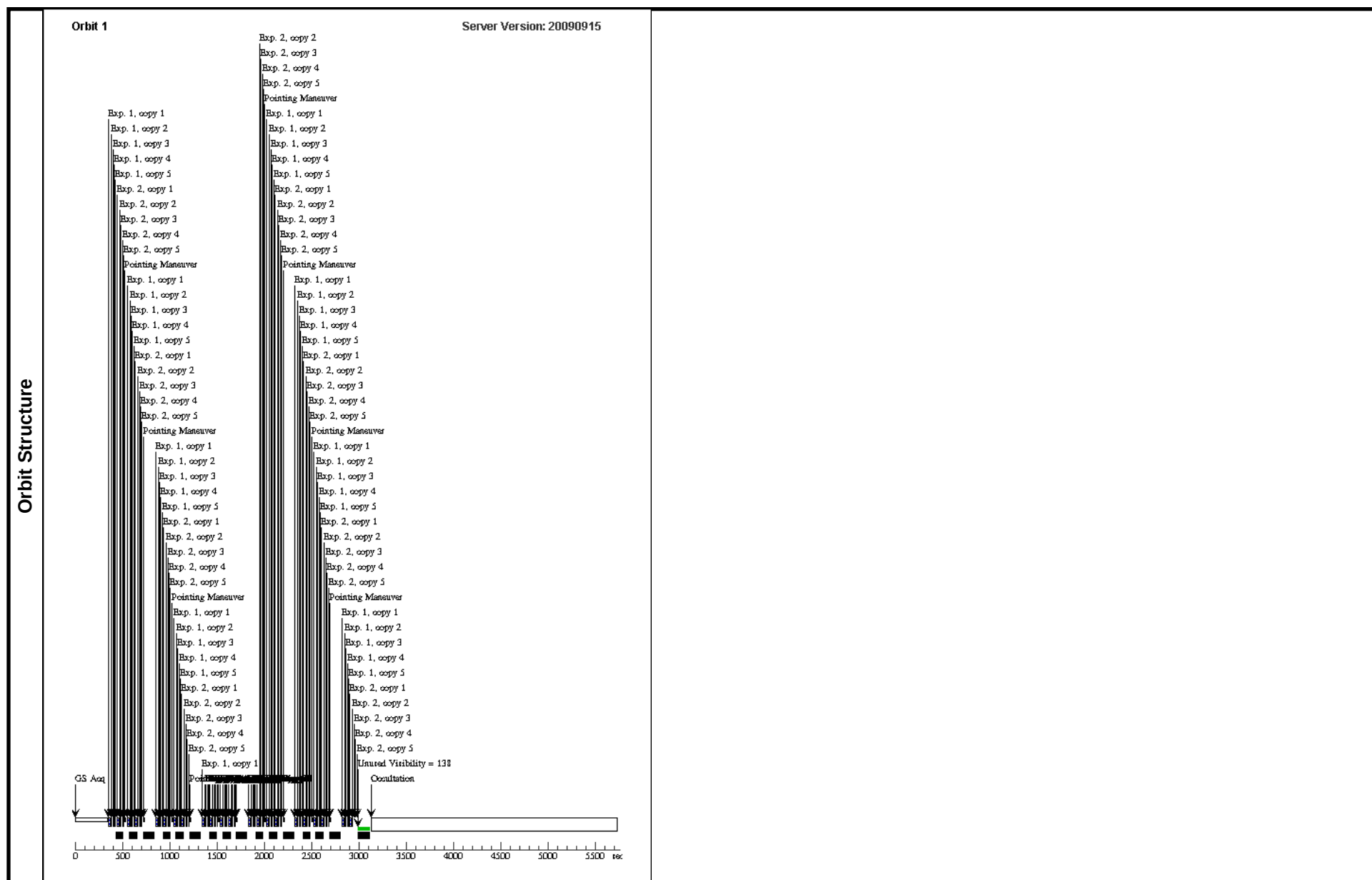
	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
Exposures (continued)	2		(36) N739	WFC3/IR, MULTIACCUM, IRSUB512	F160W	SAMP-SEQ=SPARS 10; NSAMP=2		Pattern 8, Exps 1-2 (8)	[==>(Pattern 1, Copy 1)]		[1]
									[==>(Pattern 1, Copy 2)]		
									[==>(Pattern 1, Copy 3)]		
									[==>(Pattern 1, Copy 4)]		
									[==>(Pattern 1, Copy 5)]		
									[==>(Pattern 1, Copy 6)]		
									[==>(Pattern 1, Copy 7)]		
									[==>(Pattern 1, Copy 8)]		
									[==>(Pattern 2, Copy 1)]		
									[==>(Pattern 2, Copy 2)]		
									[==>(Pattern 2, Copy 3)]		
									[==>(Pattern 2, Copy 4)]		
									[==>(Pattern 2, Copy 5)]		
									[==>(Pattern 2, Copy 6)]		
									[==>(Pattern 2, Copy 7)]		
									[==>(Pattern 2, Copy 8)]		
									[==>(Pattern 3, Copy 1)]		
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									[==>(Pattern 3, Copy 4)]		
									[==>(Pattern 3, Copy 5)]		
									[==>(Pattern 3, Copy 6)]		
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									[==>(Pattern 3, Copy 8)]		
									[==>(Pattern 4, Copy 1)]		
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									[==>(Pattern 4, Copy 4)]		
									[==>(Pattern 4, Copy 5)]		
									[==>(Pattern 4, Copy 6)]		
									[==>(Pattern 4, Copy 7)]		
									[==>(Pattern 4, Copy 8)]		



Proposal 11205 - Visit 19 - The Effects of Multiplicity on the Evolution of Young Stellar Objects: A NICMOS Imaging S...

Visit	Proposal 11205, Visit 19, completed Fri Dec 11 02:09:15 GMT 2009				
	Diagnostic Status: No Diagnostics Scientific Instruments: NIC1 Special Requirements: (none) Comments: N998				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(5)	Pattern Type=NIC-SPIRAL-DITH Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=0.0 Number Of Points=11 Angle Between Sides= Point Spacing=1.6 Center Pattern=true Line Spacing=			(1-2)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(37)	N998	RA: 05 46 58.1300 (86.7422083d) Dec: +00 05 38.15 (.09393d) Equinox: J2000		V=(?) J=11.2, (J-K)=1.5
					Miscellaneous
					Reference Frame: ICRS

Exposures	An item that belongs under the heading Exposures could not be fit on a full page so it will not be displayed. You can look above and below this entry in the table to discover what was omitted.
Exposures	An item that belongs under the heading Exposures could not be fit on a full page so it will not be displayed. You can look above and below this entry in the table to discover what was omitted.



Proposal 11205 - Visit 20 - The Effects of Multiplicity on the Evolution of Young Stellar Objects: A NICMOS Imaging S...

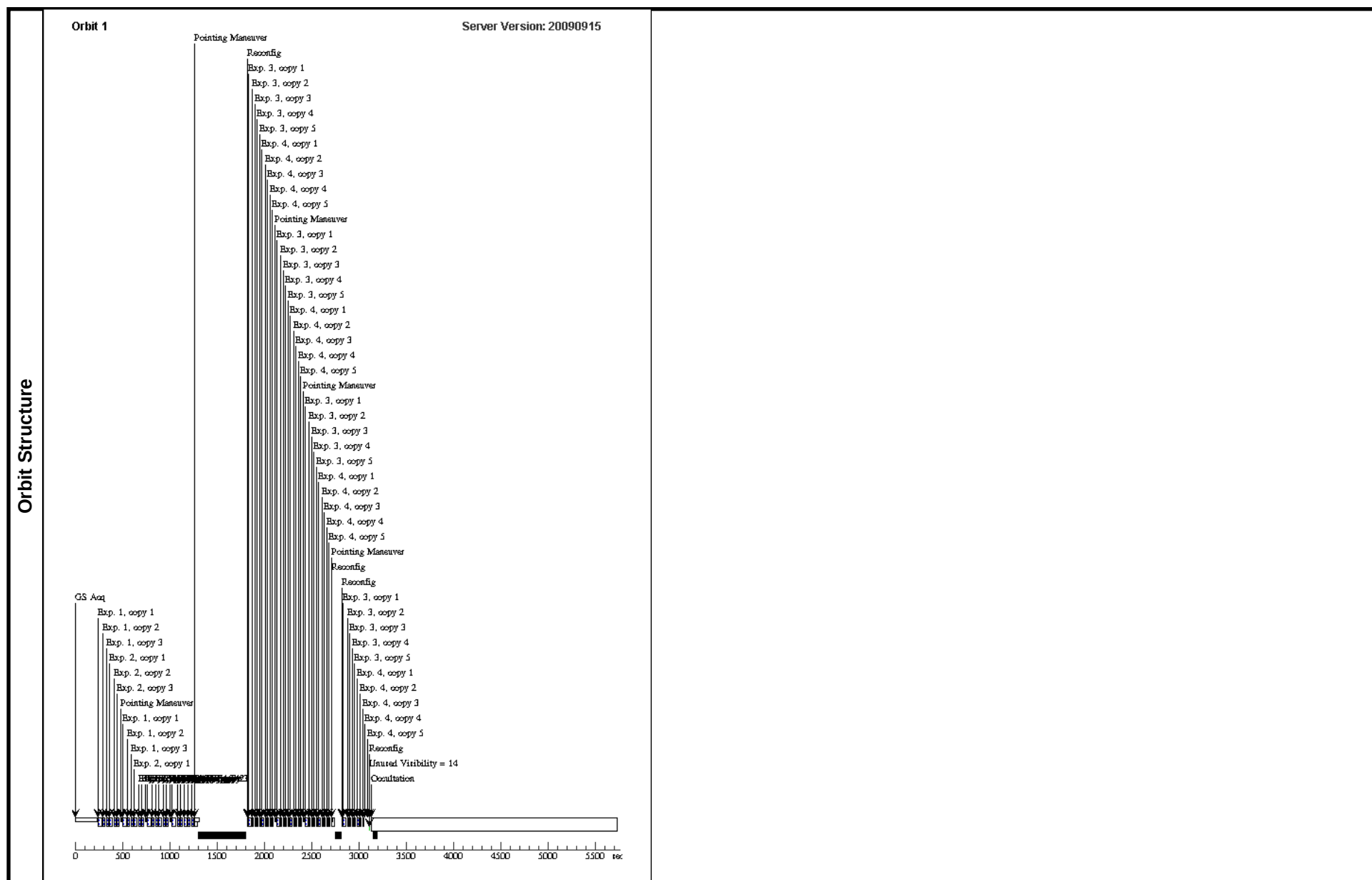
Visit	Proposal 11205, Visit 20, scheduling Fri Dec 11 02:09:16 GMT 2009									
	Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: GYRO MODE 3GOBAD; ORIENT 0.0D TO 70 D; ORIENT 95D TO 150 D; ORIENT 180D TO 250 D; ORIENT 280D TO 330 D Comments: N1284, N1211									
Diagnostics	(Visit 20) Warning (Form): Gyro Mode overrides default value of 2G.									
Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
	(8)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365				Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false			(1-2), (3-4)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(51)	N1211	RA: 05 47 13.8480 (86.8077000d)				V=(?)		Reference Frame: ICRS	
			Dec: +00 00 17.06 (.00474d)				J=10.7,			
			Equinox: J2000				(J-K)=1.5			
	(52)	N1284	RA: 05 47 19.7200 (86.8321667d)				V=(?)		Reference Frame: ICRS	
			Dec: +00 01 21.83 (.02273d)				J=13.8,			
			Equinox: J2000				(J-K)=1.1			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(52) N1284	WFC3/IR, MULTIACCUM, IRSUB512	F110W	SAMP-SEQ=SPARS 10; NSAMP=3	GS ACQ SCENARI O SINGLE	Pattern 8, Exps 1-2 (8)	[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)] [==>(Pattern 3, Copy 1)] [==>(Pattern 3, Copy 2)] [==>(Pattern 3, Copy 3)] [==>(Pattern 4, Copy 1)] [==>(Pattern 4, Copy 2)] [==>(Pattern 4, Copy 3)]	[1]

Proposal 11205 - Visit 20 - The Effects of Multiplicity on the Evolution of Young Stellar Objects: A NICMOS Imaging S...

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	2		(52) N1284	WFC3/IR, MULTIACCUM, IRSUB512	F160W	SAMP-SEQ=SPARS 10; NSAMP=3		Pattern 8, Exps 1-2 (8)	[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)] [==>(Pattern 3, Copy 1)] [==>(Pattern 3, Copy 2)] [==>(Pattern 3, Copy 3)] [==>(Pattern 4, Copy 1)] [==>(Pattern 4, Copy 2)] [==>(Pattern 4, Copy 3)]	[1]
	3		(51) N1211	WFC3/IR, MULTIACCUM, IRSUB128	F110W	SAMP-SEQ=SPARS 10; NSAMP=2		Pattern 8, Exps 3-4 (8)	[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 1, Copy 4)] [==>(Pattern 1, Copy 5)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)] [==>(Pattern 2, Copy 4)] [==>(Pattern 2, Copy 5)] [==>(Pattern 3, Copy 1)] [==>(Pattern 3, Copy 2)] [==>(Pattern 3, Copy 3)] [==>(Pattern 3, Copy 4)] [==>(Pattern 3, Copy 5)] [==>(Pattern 4, Copy 1)] [==>(Pattern 4, Copy 2)] [==>(Pattern 4, Copy 3)] [==>(Pattern 4, Copy 4)] [==>(Pattern 4, Copy 5)]	[1]

Proposal 11205 - Visit 20 - The Effects of Multiplicity on the Evolution of Young Stellar Objects: A NICMOS Imaging S...

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	4		(51) N1211	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=SPARS 10; NSAMP=2		Pattern 8, Exps 3-4 (8)	[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 1, Copy 4)] [==>(Pattern 1, Copy 5)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)] [==>(Pattern 2, Copy 4)] [==>(Pattern 2, Copy 5)] [==>(Pattern 3, Copy 1)] [==>(Pattern 3, Copy 2)] [==>(Pattern 3, Copy 3)] [==>(Pattern 3, Copy 4)] [==>(Pattern 3, Copy 5)] [==>(Pattern 4, Copy 1)] [==>(Pattern 4, Copy 2)] [==>(Pattern 4, Copy 3)] [==>(Pattern 4, Copy 4)] [==>(Pattern 4, Copy 5)]	[1]

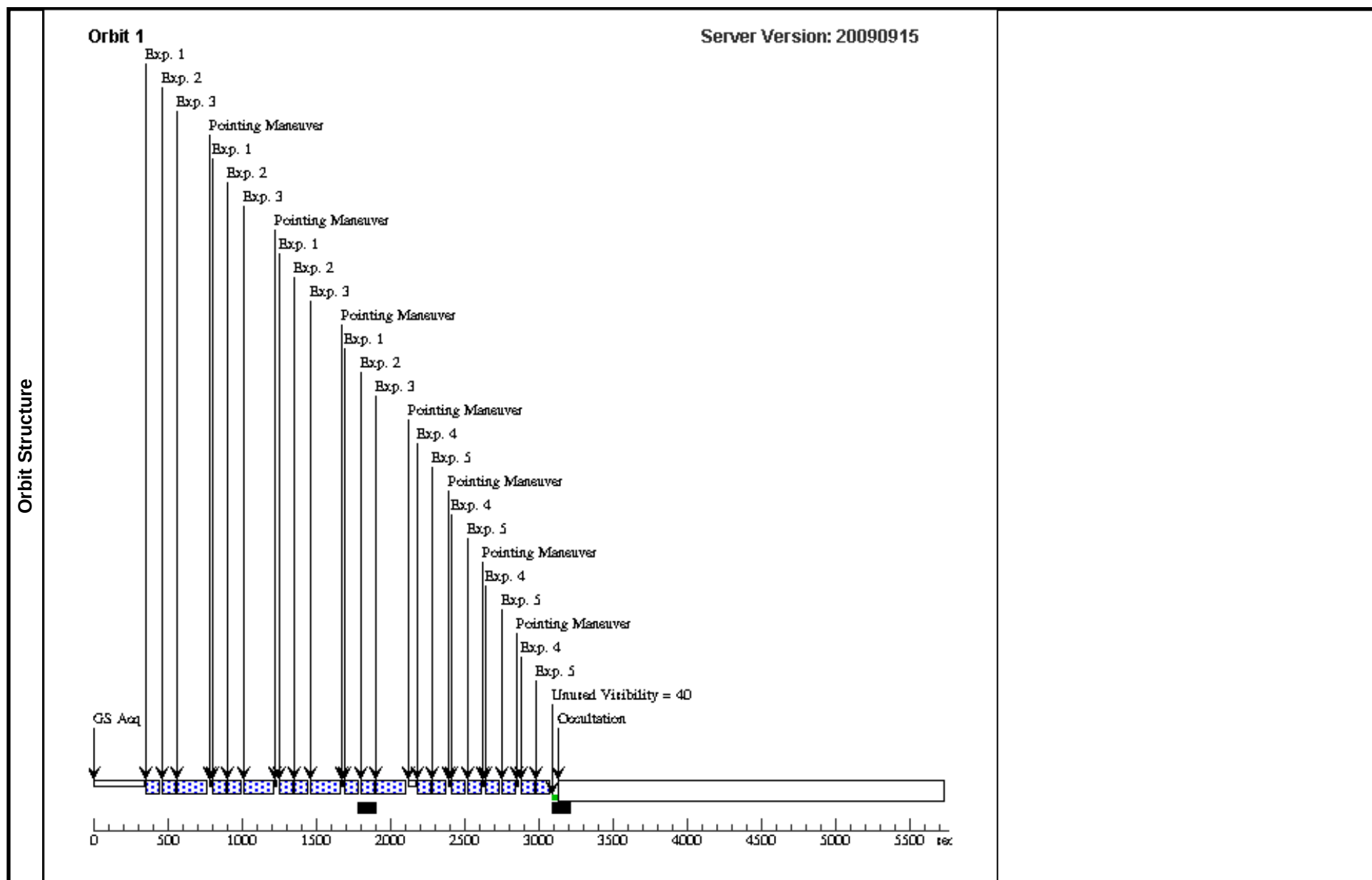


Proposal 11205 - Visit 21 - The Effects of Multiplicity on the Evolution of Young Stellar Objects: A NICMOS Imaging S...

Visit	Proposal 11205, Visit 21, completed Fri Dec 11 02:09:17 GMT 2009									
	Diagnostic Status: No Diagnostics Scientific Instruments: NIC1 Special Requirements: (none) Comments: N513, N519									
Patterns	#	Primary Pattern				Secondary Pattern				Exposures
	(1)	Pattern Type=NIC-SPIRAL-DITH Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=0.0 Number Of Points=4 Angle Between Sides= Point Spacing=2.3 Center Pattern=true Line Spacing=								(1-3), (4-5)
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(42)	N513	RA: 05 46 11.6220 (86.5484250d)				V=(?)		Reference Frame: ICRS	
			Dec: -00 06 27.97 (-.10777d)				J=13.9,			
			Equinox: J2000				(J-K)=2.7			
	(43)	N519	RA: 05 46 12.2660 (86.5511083d)				V=(?)		Reference Frame: ICRS	
			Dec: -00 08 7.80 (-.13550d)				J=14.6,			
			Equinox: J2000				(J-K)=1.1			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(42) N513	NIC1, MULTIACCUM, NIC1	F110W	SAMP-SEQ=SPARS 16; NSAMP=7		Pattern 1, Exps 1-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2		(42) N513	NIC1, MULTIACCUM, NIC1	F160W	SAMP-SEQ=SPARS 16; NSAMP=7		Pattern 1, Exps 1-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	3		(42) N513	NIC1, MULTIACCUM, NIC1	F164N	SAMP-SEQ=SPARS 32; NSAMP=8		Pattern 1, Exps 1-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	4		(43) N519	NIC1, MULTIACCUM, NIC1	F110W	SAMP-SEQ=SPARS 16; NSAMP=7		Pattern 1, Exps 4-5 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]

Proposal 11205 - Visit 21 - The Effects of Multiplicity on the Evolution of Young Stellar Objects: A NICMOS Imaging S...

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	5		(43) N519	NIC1, MULTIACCUM, NIC1	F160W	SAMP-SEQ=SPARS 16; NSAMP=7		Pattern 1, Exps 4-5 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]



Proposal 11205 - Visit 22 - The Effects of Multiplicity on the Evolution of Young Stellar Objects: A NICMOS Imaging S...

Visit	Proposal 11205, Visit 22, completed					Fri Dec 11 02:09:17 GMT 2009
	Diagnostic Status: No Diagnostics					
	Scientific Instruments: NIC1					
	Special Requirements: (none)					
	Comments: N584, N628					
Patterns	#	Primary Pattern		Secondary Pattern		Exposures
	(3)	Pattern Type=NIC-SPIRAL-DITH Purpose=DITHER Number Of Points=9 Point Spacing=1.6 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=0.0 Angle Between Sides= Center Pattern=true			(3-4)
	(6)	Pattern Type=NIC-SPIRAL-DITH Purpose=DITHER Number Of Points=12 Point Spacing=1.6 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=0.0 Angle Between Sides= Center Pattern=true			(1-2)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(44)	N584	RA: 05 46 19.0630 (86.5794292d) Dec: +00 03 29.59 (.05822d) Equinox: J2000		V=(?) J=10.6, (J-K)=2.8	Reference Frame: ICRS
	(54)	N628	RA: 05 46 23.0000 (86.5958333d) Dec: +00 04 26.50 (.07403d) Equinox: J2000		V=(?) J=13.1, (J-K)=1.7	Reference Frame: ICRS

Proposal 11205 - Visit 22 - The Effects of Multiplicity on the Evolution of Young Stellar Objects: A NICMOS Imaging S...

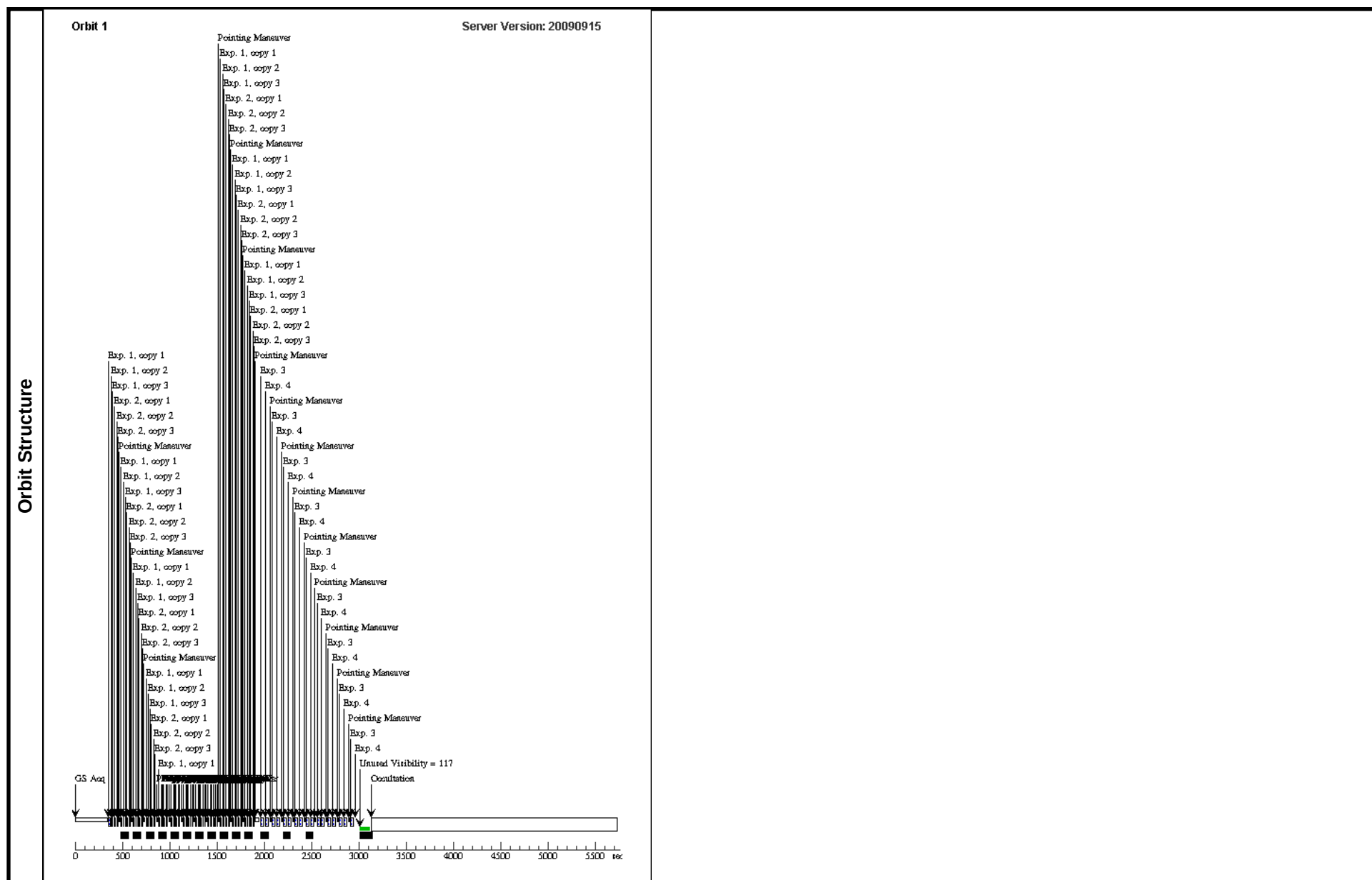
#	Label	Target	Config, Mode, Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1		(44) N584	NIC1, MULTIACCUM, NIC1	F110W	SAMP-SEQ=STEP1 ; NSAMP=6		Pattern 6, Exps 1-2 (6)	[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)] [==>(Pattern 3, Copy 1)] [==>(Pattern 3, Copy 2)] [==>(Pattern 3, Copy 3)] [==>(Pattern 4, Copy 1)] [==>(Pattern 4, Copy 2)] [==>(Pattern 4, Copy 3)] [==>(Pattern 5, Copy 1)] [==>(Pattern 5, Copy 2)] [==>(Pattern 5, Copy 3)] [==>(Pattern 6, Copy 1)] [==>(Pattern 6, Copy 2)] [==>(Pattern 6, Copy 3)] [==>(Pattern 7, Copy 1)] [==>(Pattern 7, Copy 2)] [==>(Pattern 7, Copy 3)] [==>(Pattern 8, Copy 1)] [==>(Pattern 8, Copy 2)] [==>(Pattern 8, Copy 3)] [==>(Pattern 9, Copy 1)] [==>(Pattern 9, Copy 2)] [==>(Pattern 9, Copy 3)] [==>(Pattern 10, Copy 1)] [==>(Pattern 10, Copy 2)] [==>(Pattern 10, Copy 3)] [==>(Pattern 11, Copy 1)] [==>(Pattern 11, Copy 2)] [==>(Pattern 11, Copy 3)] [==>(Pattern 12, Copy 1)] [==>(Pattern 12, Copy 2)] [==>(Pattern 12, Copy 3)]	[1]

Proposal 11205 - Visit 22 - The Effects of Multiplicity on the Evolution of Young Stellar Objects: A NICMOS Imaging S...

	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	2		(44) N584	NIC1, MULTIACCUM, NIC1	F160W	SAMP-SEQ=STEP1 ; NSAMP=6		Pattern 6, Exps 1-2 (6)	[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 1, Copy 3)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 2, Copy 3)] [==>(Pattern 3, Copy 1)] [==>(Pattern 3, Copy 2)] [==>(Pattern 3, Copy 3)] [==>(Pattern 4, Copy 1)] [==>(Pattern 4, Copy 2)] [==>(Pattern 4, Copy 3)] [==>(Pattern 5, Copy 1)] [==>(Pattern 5, Copy 2)] [==>(Pattern 5, Copy 3)] [==>(Pattern 6, Copy 1)] [==>(Pattern 6, Copy 2)] [==>(Pattern 6, Copy 3)] [==>(Pattern 7, Copy 1)] [==>(Pattern 7, Copy 2)] [==>(Pattern 7, Copy 3)] [==>(Pattern 8, Copy 1)] [==>(Pattern 8, Copy 2)] [==>(Pattern 8, Copy 3)] [==>(Pattern 9, Copy 1)] [==>(Pattern 9, Copy 2)] [==>(Pattern 9, Copy 3)] [==>(Pattern 10, Copy 1)] [==>(Pattern 10, Copy 2)] [==>(Pattern 10, Copy 3)] [==>(Pattern 11, Copy 1)] [==>(Pattern 11, Copy 2)] [==>(Pattern 11, Copy 3)] [==>(Pattern 12, Copy 1)] [==>(Pattern 12, Copy 2)] [==>(Pattern 12, Copy 3)]	[1]

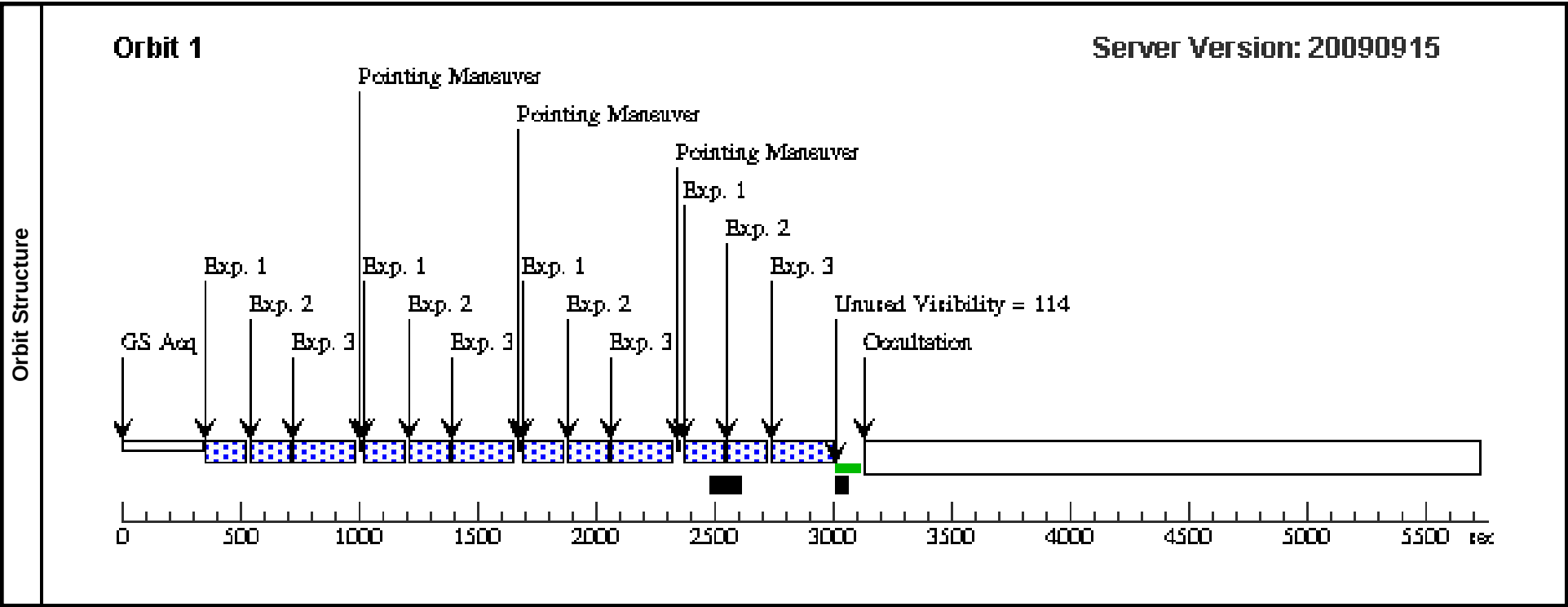
Proposal 11205 - Visit 22 - The Effects of Multiplicity on the Evolution of Young Stellar Objects: A NICMOS Imaging S...

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	3		(54) N628	NIC1, MULTIACCUM, NIC1	F110W	SAMP-SEQ=STEP8 ; NSAMP=8		Pattern 3, Exps 3-4 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)] [==>(Pattern 5)] [==>(Pattern 6)] [==>(Pattern 7)] [==>(Pattern 8)] [==>(Pattern 9)]	[1]
	4		(54) N628	NIC1, MULTIACCUM, NIC1	F160W	SAMP-SEQ=STEP8 ; NSAMP=8		Pattern 3, Exps 3-4 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)] [==>(Pattern 5)] [==>(Pattern 6)] [==>(Pattern 7)] [==>(Pattern 8)] [==>(Pattern 9)]	[1]



Proposal 11205 - Visit 23 - The Effects of Multiplicity on the Evolution of Young Stellar Objects: A NICMOS Imaging S...

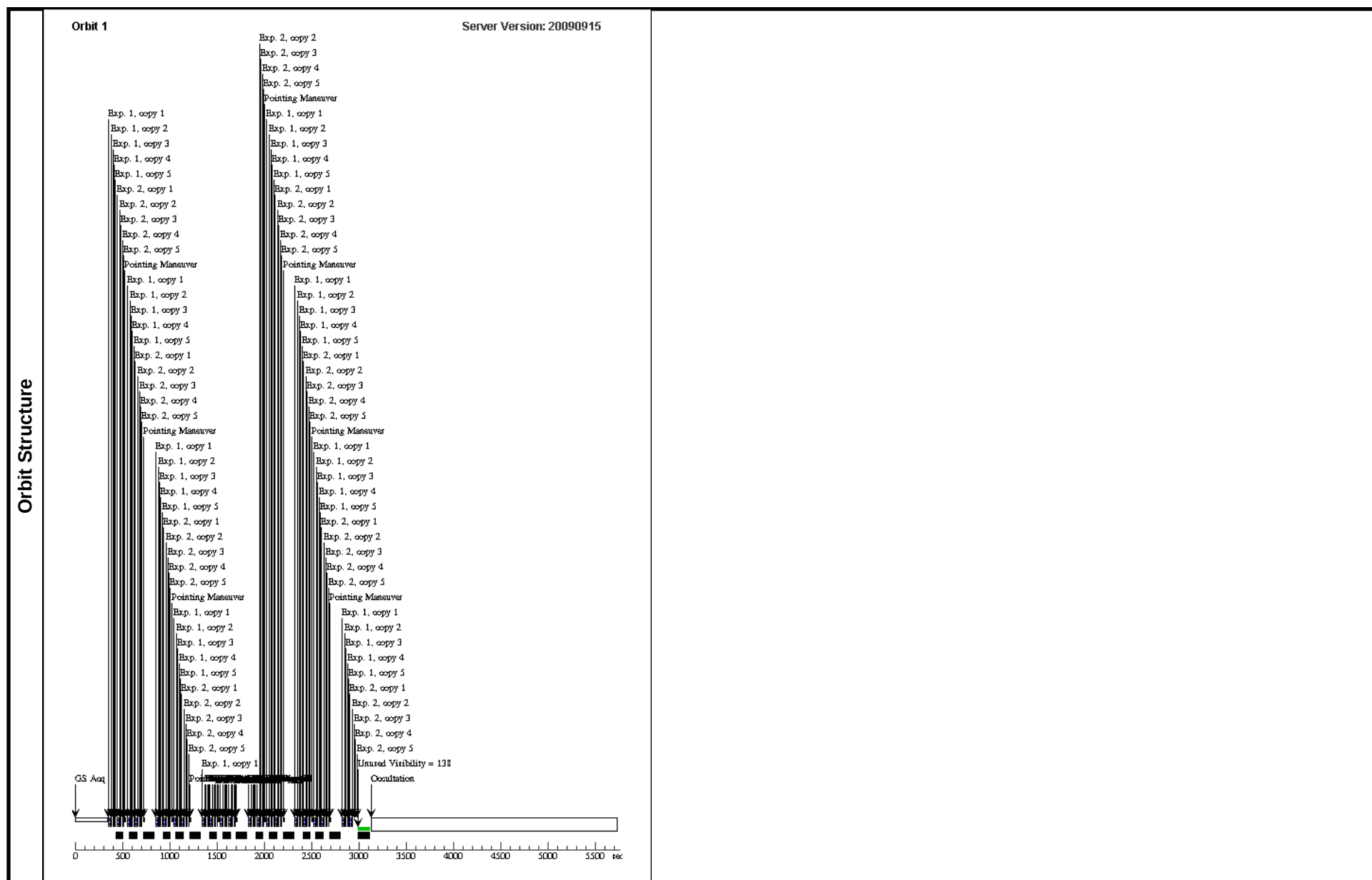
Visit	Proposal 11205, Visit 23, completed Fri Dec 11 02:09:18 GMT 2009									
	Diagnostic Status: No Diagnostics Scientific Instruments: NIC1 Special Requirements: (none) Comments: N602									
Patterns	#	Primary Pattern				Secondary Pattern				Exposures
	(1)	Pattern Type=NIC-SPIRAL-DITH Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=0.0 Number Of Points=4 Angle Between Sides= Point Spacing=2.3 Center Pattern=true Line Spacing=								(1-3)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(46)	N602	RA: 05 46 21.0630 (86.5877625d) Dec: -00 12 9.22 (-.20256d) Equinox: J2000			V=(?) J=15.4, (J-K)=2.4		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(46) N602	NIC1, MULTIACCUM, NIC1	F110W	SAMP-SEQ=SPARS 32; NSAMP=7		Pattern 1, Exps 1-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2		(46) N602	NIC1, MULTIACCUM, NIC1	F160W	SAMP-SEQ=SPARS 32; NSAMP=7		Pattern 1, Exps 1-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	3		(46) N602	NIC1, MULTIACCUM, NIC1	F164N	SAMP-SEQ=SPARS 32; NSAMP=10		Pattern 1, Exps 1-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]



Proposal 11205 - Visit 24 - The Effects of Multiplicity on the Evolution of Young Stellar Objects: A NICMOS Imaging S...

Visit	Proposal 11205, Visit 24, completed Fri Dec 11 02:09:18 GMT 2009				
	Diagnostic Status: No Diagnostics Scientific Instruments: NIC1 Special Requirements: (none) Comments: N1116				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(5)	Pattern Type=NIC-SPIRAL-DITH Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=0.0 Number Of Points=11 Angle Between Sides= Point Spacing=1.6 Center Pattern=true Line Spacing=			(1-2)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(50)	N1116	RA: 05 47 6.9600 (86.7790000d) Dec: +00 00 47.74 (.01326d) Equinox: J2000		V=(?) J=11.4, (J-K)=1.1
					Miscellaneous
					Reference Frame: ICRS

Exposures	An item that belongs under the heading Exposures could not be fit on a full page so it will not be displayed. You can look above and below this entry in the table to discover what was omitted.
Exposures	An item that belongs under the heading Exposures could not be fit on a full page so it will not be displayed. You can look above and below this entry in the table to discover what was omitted.

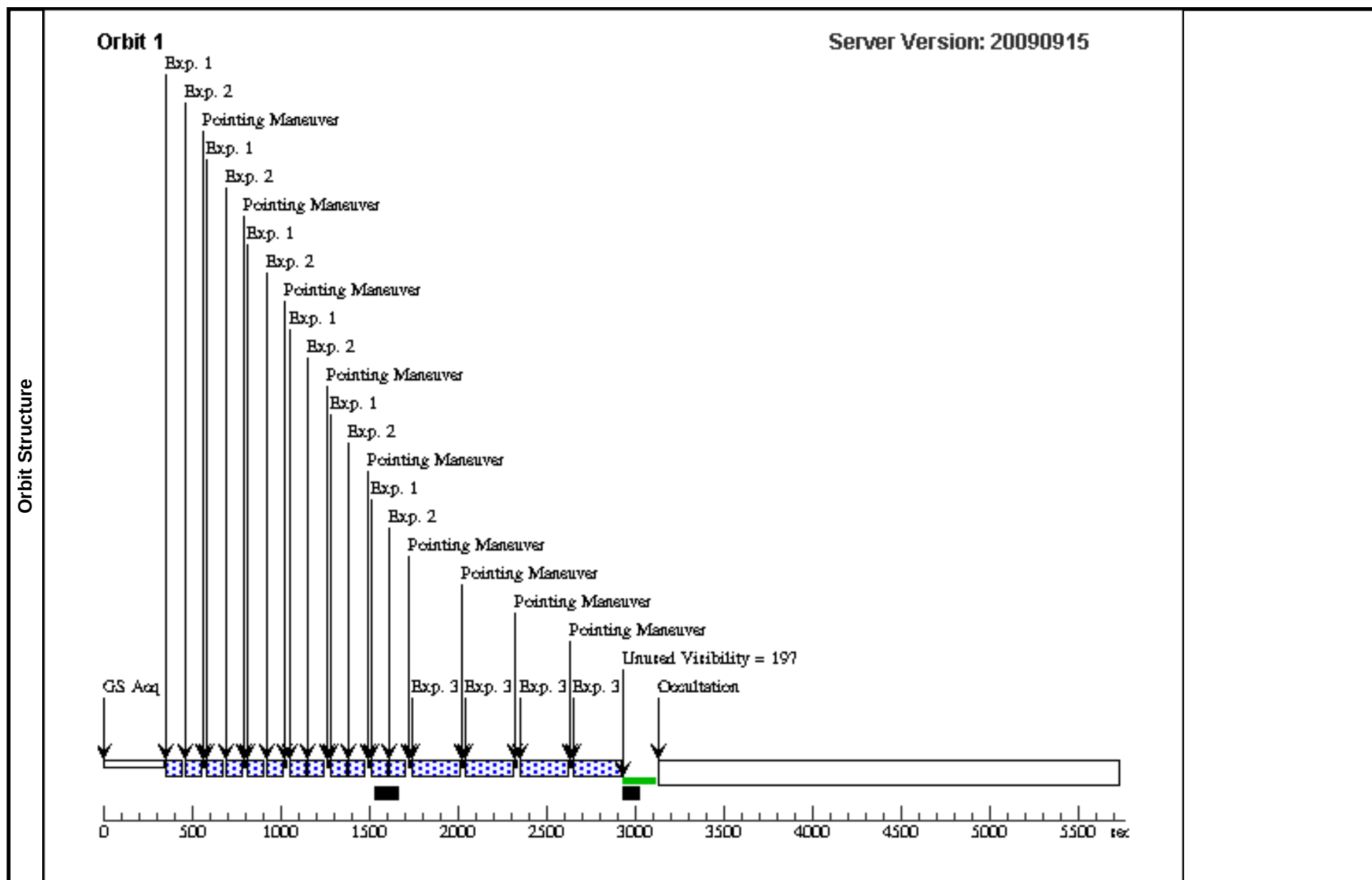


Proposal 11205 - Visit 25 - The Effects of Multiplicity on the Evolution of Young Stellar Objects: A NICMOS Imaging S...

Visit	Proposal 11205, Visit 25, completed Fri Dec 11 02:09:19 GMT 2009									
	Diagnostic Status: No Diagnostics Scientific Instruments: NIC1 Special Requirements: (none) Comments: N1284									
Patterns	#	Primary Pattern				Secondary Pattern				Exposures
	(1)	Pattern Type=NIC-SPIRAL-DITH Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=0.0 Number Of Points=4 Angle Between Sides= Point Spacing=2.3 Center Pattern=true Line Spacing=								(3)
	(7)	Pattern Type=NIC-SPIRAL-DITH Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=0.0 Number Of Points=6 Angle Between Sides= Point Spacing=1.6 Center Pattern=false Line Spacing=								(1-2)
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(52)	N1284	RA: 05 47 19.7200 (86.8321667d) Dec: +00 01 21.83 (.02273d) Equinox: J2000				V=(?) J=13.8, (J-K)=1.1		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(52) N1284	NIC1, MULTIACCUM, NIC1	F110W	SAMP-SEQ=SPARS 16; NSAMP=7		Pattern 7, Exps 1-2 (7)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)] [==>(Pattern 5)] [==>(Pattern 6)]	[1]
	2		(52) N1284	NIC1, MULTIACCUM, NIC1	F160W	SAMP-SEQ=SPARS 16; NSAMP=7		Pattern 7, Exps 1-2 (7)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)] [==>(Pattern 5)] [==>(Pattern 6)]	[1]

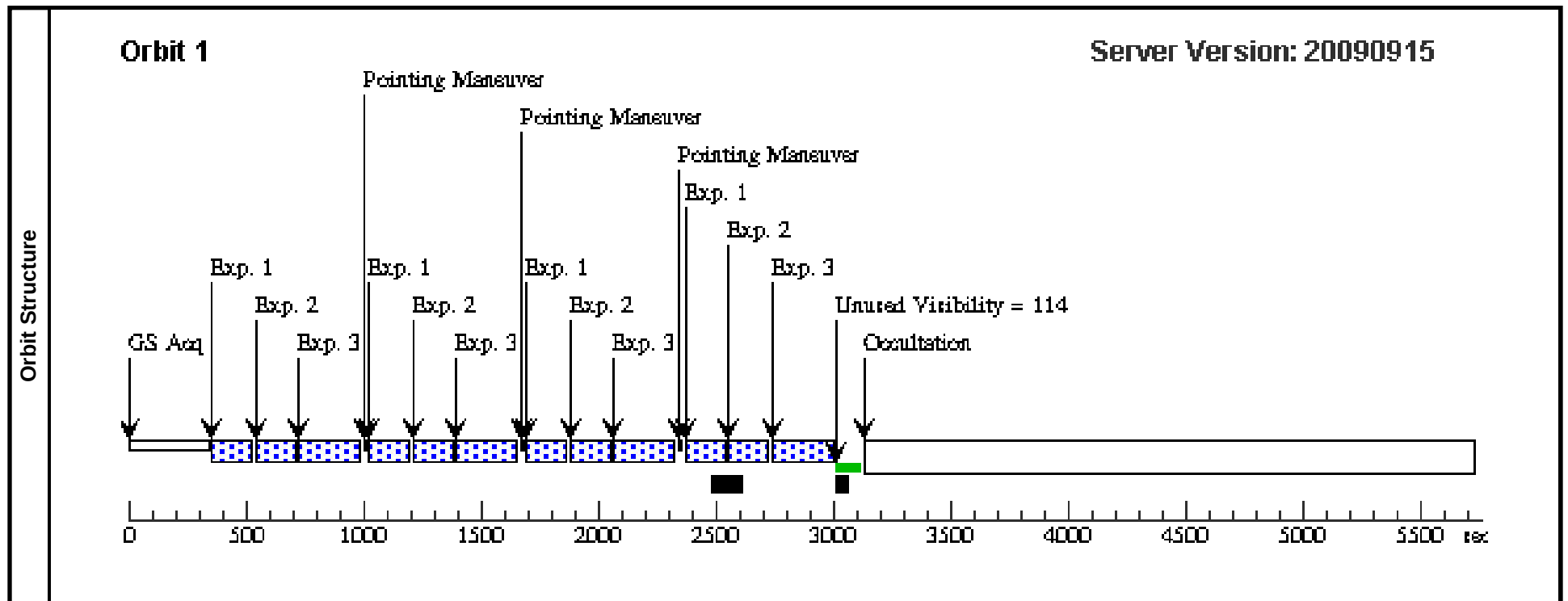
Proposal 11205 - Visit 25 - The Effects of Multiplicity on the Evolution of Young Stellar Objects: A NICMOS Imaging S...

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	3		(52) N1284	NIC1, MULTIACCUM, NIC1	F164N	SAMP-SEQ=SPARS 32; NSAMP=10		Pattern 1, Exps 3-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]



Proposal 11205 - Visit 26 - The Effects of Multiplicity on the Evolution of Young Stellar Objects: A NICMOS Imaging S...

Visit	Proposal 11205, Visit 26, completed Fri Dec 11 02:09:19 GMT 2009									
	Diagnostic Status: No Diagnostics Scientific Instruments: NIC1 Special Requirements: (none) Comments: N250									
Patterns	#	Primary Pattern				Secondary Pattern				Exposures
	(1)	Pattern Type=NIC-SPIRAL-DITH Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=0.0 Number Of Points=4 Angle Between Sides= Point Spacing=2.3 Center Pattern=true Line Spacing=								(1-3)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(39)	N250	RA: 05 45 49.5590 (86.4564958d) Dec: -00 08 38.76 (-.14410d) Equinox: J2000		V=(?) J=14.8, (J-K)=1.5	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(39) N250	NIC1, MULTIACCUM, NIC1	F110W	SAMP-SEQ=SPARS 32; NSAMP=7		Pattern 1, Exps 1-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2		(39) N250	NIC1, MULTIACCUM, NIC1	F160W	SAMP-SEQ=SPARS 32; NSAMP=7		Pattern 1, Exps 1-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	3		(39) N250	NIC1, MULTIACCUM, NIC1	F164N	SAMP-SEQ=SPARS 32; NSAMP=10		Pattern 1, Exps 1-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]



Proposal 11205 - Visit 04 - The Effects of Multiplicity on the Evolution of Young Stellar Objects: A NICMOS Imaging S...

Visit	Proposal 11205, Visit 04, completed Fri Dec 11 02:09:20 GMT 2009									
	Diagnostic Status: No Diagnostics Scientific Instruments: NIC1 Special Requirements: (none) Comments: HH 22, N581									
Patterns	#	Primary Pattern				Secondary Pattern				Exposures
	(1)	Pattern Type=NIC-SPIRAL-DITH Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=0.0 Number Of Points=4 Angle Between Sides= Point Spacing=2.3 Center Pattern=true Line Spacing=								(1-2)
	(3)	Pattern Type=NIC-SPIRAL-DITH Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=0.0 Number Of Points=9 Angle Between Sides= Point Spacing=1.6 Center Pattern=true Line Spacing=								(3-4)
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(12)	HH22	RA: 05 46 14.2350 (86.5593125d)				V=(?)		Reference Frame: ICRS	
			Dec: -00 05 26.20 (-.09061d)				J=16.9,			
			Equinox: J2000				(J-K)=2.0			
Fixed Targets	(33)	N581	RA: 05 46 18.8930 (86.5787208d)				V=(?)		Reference Frame: ICRS	
			Dec: -00 05 38.11 (-.09392d)				J=11.2,			
			Equinox: J2000				(J-K)=1.5			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(12) HH22	NIC1, MULTIACCUM, NIC1	F110W	SAMP-SEQ=SPARS 32; NSAMP=7		Pattern 1, Exps 1-2 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2		(12) HH22	NIC1, MULTIACCUM, NIC1	F160W	SAMP-SEQ=SPARS 32; NSAMP=7		Pattern 1, Exps 1-2 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]

Proposal 11205 - Visit 04 - The Effects of Multiplicity on the Evolution of Young Stellar Objects: A NICMOS Imaging S...

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	3		(33) N581	NIC1, MULTIACCUM, NIC1	F110W	SAMP-SEQ=STEP1 ; NSAMP=7		Pattern 3, Exps 3-4 (3)	[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 3, Copy 1)] [==>(Pattern 3, Copy 2)] [==>(Pattern 4, Copy 1)] [==>(Pattern 4, Copy 2)] [==>(Pattern 5, Copy 1)] [==>(Pattern 5, Copy 2)] [==>(Pattern 6, Copy 1)] [==>(Pattern 6, Copy 2)] [==>(Pattern 7, Copy 1)] [==>(Pattern 7, Copy 2)] [==>(Pattern 8, Copy 1)] [==>(Pattern 8, Copy 2)] [==>(Pattern 9, Copy 1)] [==>(Pattern 9, Copy 2)]	[1]
	4		(33) N581	NIC1, MULTIACCUM, NIC1	F160W	SAMP-SEQ=STEP1 ; NSAMP=7		Pattern 3, Exps 3-4 (3)	[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 3, Copy 1)] [==>(Pattern 3, Copy 2)] [==>(Pattern 4, Copy 1)] [==>(Pattern 4, Copy 2)] [==>(Pattern 5, Copy 1)] [==>(Pattern 5, Copy 2)] [==>(Pattern 6, Copy 1)] [==>(Pattern 6, Copy 2)] [==>(Pattern 7, Copy 1)] [==>(Pattern 7, Copy 2)] [==>(Pattern 8, Copy 1)] [==>(Pattern 8, Copy 2)] [==>(Pattern 9, Copy 1)] [==>(Pattern 9, Copy 2)]	[1]

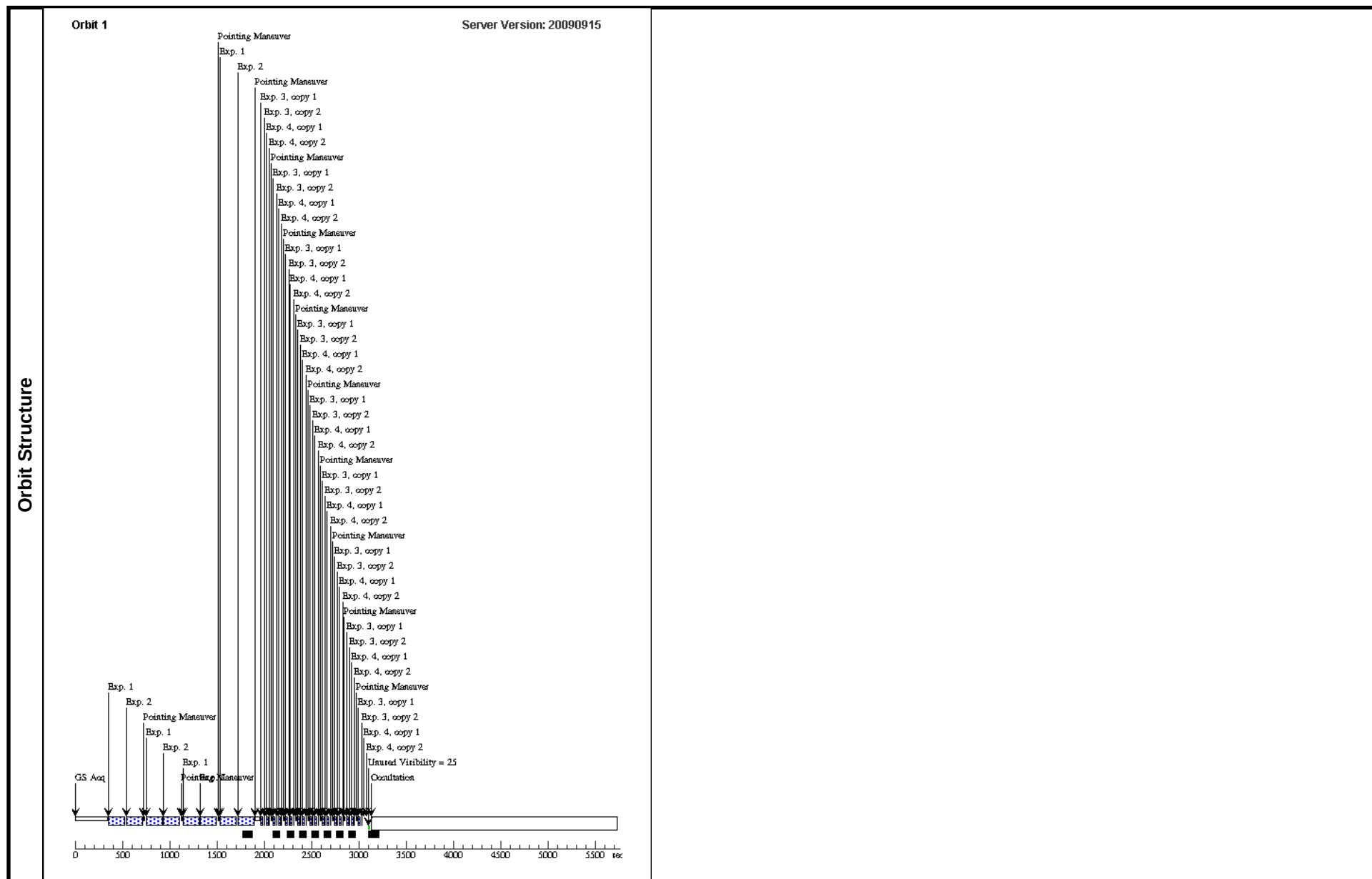


Proposal 11205 - Visit 08 - The Effects of Multiplicity on the Evolution of Young Stellar Objects: A NICMOS Imaging S...

Visit	Proposal 11205, Visit 08, completed										Fri Dec 11 02:09:20 GMT 2009		
	Diagnostic Status: No Diagnostics												
	Scientific Instruments: NIC1												
	Special Requirements: (none)												
	Comments: C1-20, N760												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=NIC-SPIRAL-DITH Purpose=DITHER Number Of Points=4 Point Spacing=2.3 Line Spacing=			Coordinate Frame=POS-TARG Pattern Orientation=0.0 Angle Between Sides= Center Pattern=true							(1-2)	
	(3)	Pattern Type=NIC-SPIRAL-DITH Purpose=DITHER Number Of Points=9 Point Spacing=1.6 Line Spacing=			Coordinate Frame=POS-TARG Pattern Orientation=0.0 Angle Between Sides= Center Pattern=true							(3-4)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(15)	C1-20		RA: 05 46 33.1880 (86.6382833d) Dec: +00 00 2.16 (.00060d) Equinox: J2000				V=(?) J=16.8, (J-K)=3.4		Reference Frame: ICRS			
	(47)	N760		RA: 05 46 37.0590 (86.6544125d) Dec: +00 01 21.79 (.02272d) Equinox: J2000				V=(?) J=11.7, (J-K)=2.1		Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit	
	1		(15) C1-20	NIC1, MULTIACCUM, NIC1		F110W	SAMP-SEQ=SPARS 32; NSAMP=7		Pattern 1, Exps 1-2 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]	
	2		(15) C1-20	NIC1, MULTIACCUM, NIC1		F160W	SAMP-SEQ=SPARS 32; NSAMP=7		Pattern 1, Exps 1-2 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]	

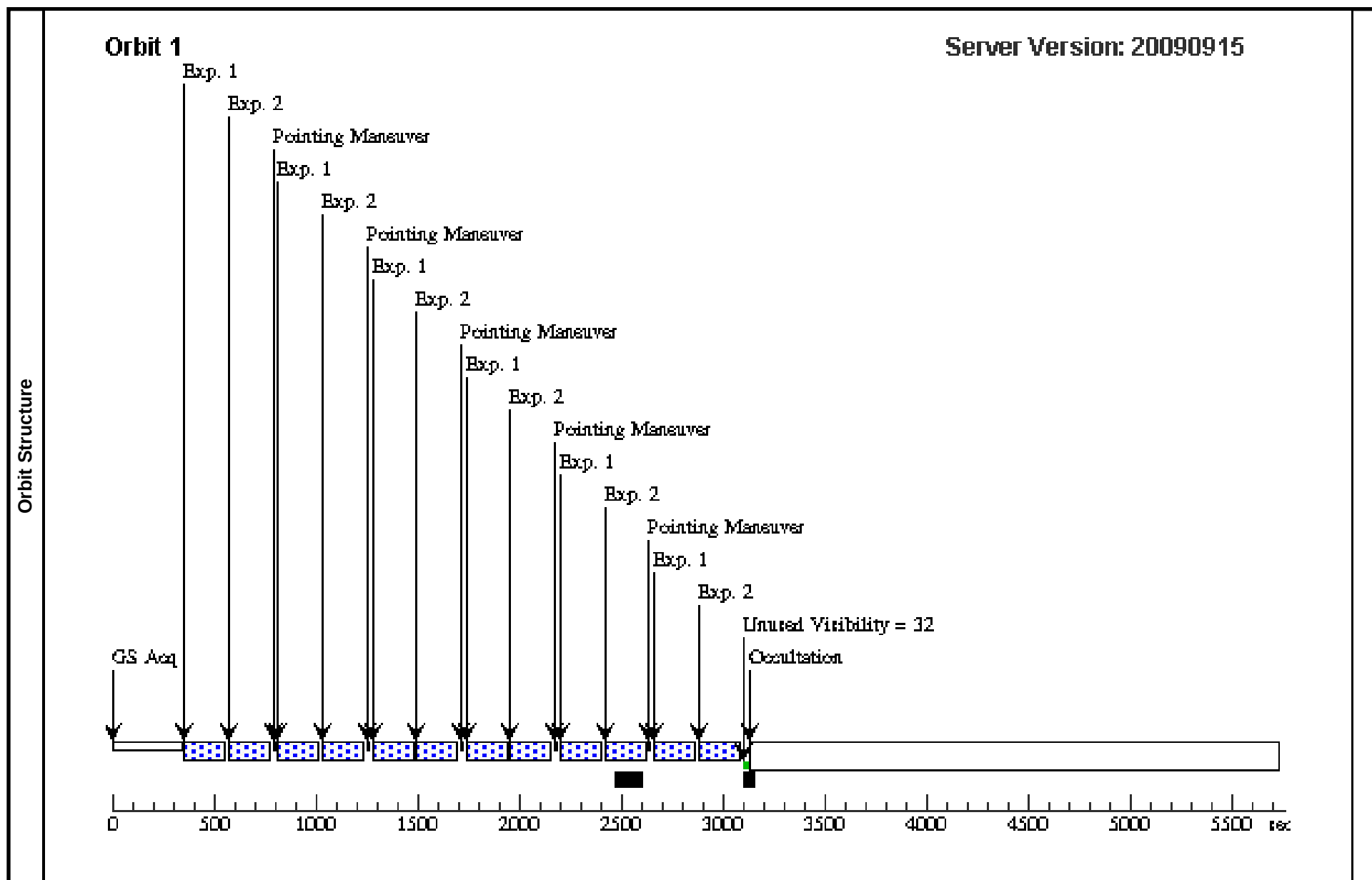
Proposal 11205 - Visit 08 - The Effects of Multiplicity on the Evolution of Young Stellar Objects: A NICMOS Imaging S...

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	3		(47) N760	NIC1, MULTIACCUM, NIC1	F110W	SAMP-SEQ=STEP2 ; NSAMP=8		Pattern 3, Exps 3-4 (3)	[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 3, Copy 1)] [==>(Pattern 3, Copy 2)] [==>(Pattern 4, Copy 1)] [==>(Pattern 4, Copy 2)] [==>(Pattern 5, Copy 1)] [==>(Pattern 5, Copy 2)] [==>(Pattern 6, Copy 1)] [==>(Pattern 6, Copy 2)] [==>(Pattern 7, Copy 1)] [==>(Pattern 7, Copy 2)] [==>(Pattern 8, Copy 1)] [==>(Pattern 8, Copy 2)] [==>(Pattern 9, Copy 1)] [==>(Pattern 9, Copy 2)]	[1]
	4		(47) N760	NIC1, MULTIACCUM, NIC1	F160W	SAMP-SEQ=STEP2 ; NSAMP=8		Pattern 3, Exps 3-4 (3)	[==>(Pattern 1, Copy 1)] [==>(Pattern 1, Copy 2)] [==>(Pattern 2, Copy 1)] [==>(Pattern 2, Copy 2)] [==>(Pattern 3, Copy 1)] [==>(Pattern 3, Copy 2)] [==>(Pattern 4, Copy 1)] [==>(Pattern 4, Copy 2)] [==>(Pattern 5, Copy 1)] [==>(Pattern 5, Copy 2)] [==>(Pattern 6, Copy 1)] [==>(Pattern 6, Copy 2)] [==>(Pattern 7, Copy 1)] [==>(Pattern 7, Copy 2)] [==>(Pattern 8, Copy 1)] [==>(Pattern 8, Copy 2)] [==>(Pattern 9, Copy 1)] [==>(Pattern 9, Copy 2)]	[1]



Proposal 11205 - Visit 10 - The Effects of Multiplicity on the Evolution of Young Stellar Objects: A NICMOS Imaging S...

Visit	Proposal 11205, Visit 10, completed										Fri Dec 11 02:09:21 GMT 2009	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: NIC1											
	Special Requirements: (none)											
	Comments: ORIBSMM 39B											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures		
	(4)	Pattern Type=NIC-MAP		Coordinate Frame=CELESTIAL		Pattern Type=NIC-MAP		Coordinate Frame=CELESTIAL		(1-2)		
		Purpose=MOSAIC		Pattern Orientation=270.0		Purpose=MOSAIC		Pattern Orientation=0.0				
		Number Of Points=3		Angle Between Sides=		Number Of Points=2		Angle Between Sides=				
		Point Spacing=5.4		Center Pattern=true		Point Spacing=5.4		Center Pattern=false				
		Line Spacing=				Line Spacing=						
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(19)	ORIBSMM39B	RA: 05 46 46.5900 (86.6941250d)				V=(?)		Reference Frame: ICRS			
			Dec: +00 00 29.70 (.00825d)				J>17					
		Equinox: J2000										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit	
	1		(19) ORIBSMM39B	NIC1, MULTIACCUM, NIC1	F110W	SAMP-SEQ=SPARS 32; NSAMP=8		Pattern 4, Exps 1-2 (4)	[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)] [==>(Pattern 3,1)] [==>(Pattern 3,2)]		[1]	
	2		(19) ORIBSMM39B	NIC1, MULTIACCUM, NIC1	F160W	SAMP-SEQ=SPARS 32; NSAMP=8		Pattern 4, Exps 1-2 (4)	[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)] [==>(Pattern 3,1)] [==>(Pattern 3,2)]		[1]	



Proposal 11205 - Visit 11 - The Effects of Multiplicity on the Evolution of Young Stellar Objects: A NICMOS Imaging S...

Visit	Proposal 11205, Visit 11, completed Fri Dec 11 02:09:21 GMT 2009									
	Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: GYRO MODE 3GOBAD Comments: <i>ORIBSMM 39C, N954</i>									
Diagnostics	(Visit 11) Warning (Form): Gyro Mode overrides default value of 2G.									
Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
	(8)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365				Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false			(1-3)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(20)	ORIBSMM39C	RA: 05 46 50.2885 (86.7095354d) Dec: +00 00 33.75 (.00938d) Equinox: J2000				V=(?) J=18.2, (J-K)=3.5		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(20) ORIBSMM39C	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=STEP2 5; NSAMP=6		Pattern 8, Exps 1-3 (8)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2		(20) ORIBSMM39C	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=STEP2 5; NSAMP=6		Pattern 8, Exps 1-3 (8)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	3		(20) ORIBSMM39C	WFC3/IR, MULTIACCUM, IR	F164N	SAMP-SEQ=STEP2 5; NSAMP=8		Pattern 8, Exps 1-3 (8)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]

