



10894 - Probing the Birth of Super Star Clusters with NICMOS

Cycle: 15, Proposal Category: GO

(Availability Mode: SUPPORTED)

INVESTIGATORS

<i>Name</i>	<i>Institution</i>	<i>E-Mail</i>
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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) HE2-10 (6) HE2-10SH	NIC2	2	01-Nov-2006 22:11:26.0	yes
02	(2) HARO3 (7) HARO3SH1 (20) HARO3SH2	NIC2	4	01-Nov-2006 22:12:07.0	yes
03	(3) IIZW40 (9) IIZW40SH1 (10) IIZW40SH3 (21) IIZW40SH4	NIC2	5	01-Nov-2006 22:12:57.0	yes
04	(4) HARO2 (11) HARO2SH1 (12) HARO2SH2	NIC2	3	01-Nov-2006 22:13:29.0	yes

<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>
05	(5) SBS-0335-052 (13) SBS-0335-052SH1 (14) SBS-0335-052SH2 (15) SBS-0335-052SH3	NIC2	4	01-Nov-2006 22:13:55.0	yes
07	(16) SBS-0335-052SH4 (17) SBS-0335-052SH5 (18) SBS-0335-052SH7 (19) SBS-0335-052SH6	NIC2	4	01-Nov-2006 22:14:16.0	yes
06	(18) SBS-0335-052SH7 (19) SBS-0335-052SH6	NIC2	3	01-Nov-2006 22:14:38.0	yes

25 Total Orbits Used

ABSTRACT

The formation of "super star clusters" represents an extreme mode of star formation in the local universe. Star clusters with radii $< 5\text{pc}$ and masses exceeding 10^4 solar masses are now known to be common in starbursts. These clusters are amazingly densely packed with massive stars, and can have a violent impact on their host galaxies and the surrounding IGM. The effects of massive star clusters perhaps were even more important in the earlier universe, when galaxy mergers and starbursts were common, and the formation of massive globular clusters was ubiquitous. However, our knowledge of the formation and early evolution of such massive clusters remains poorly understood, and observations have only begun to probe these stages. The near-IR fluxes and colors of natal clusters change dramatically in their early stages of evolution, providing important diagnostics. We will use NICMOS to explore the early evolution of massive star clusters through observations of a sample of nearby starburst galaxies containing the recently discovered ultra-young massive star clusters. First identified as compact optically-thick free-free radio sources, these natal clusters are still embedded in their birth material and obscured at optical wavelengths. Sensitive, high-resolution observations in the near-IR are critical for investigating the properties of these clusters as they evolve from being completely obscured by their natal clouds to fully emerged and optically visible. NICMOS F160W, F205W, F187N, and F190N (roughly H, K, and Pa-alpha) images will allow us to determine their ages, extinctions, ionizing fluxes, embedded stellar masses, and the morphological relationship between radio, mid-IR, and optically visible clusters. These results will

ultimately provide insight into the earliest stages of super star cluster evolution and the properties of massive star formation throughout the universe.

OBSERVING DESCRIPTION

This program observes 5 galaxies in the near-IR with NICMOS using the NIC2 camera in multiaccum mode. Observations at each wavelength include several dithered positions. All observations at wavelengths longer than 1.8 μ m chop to background.

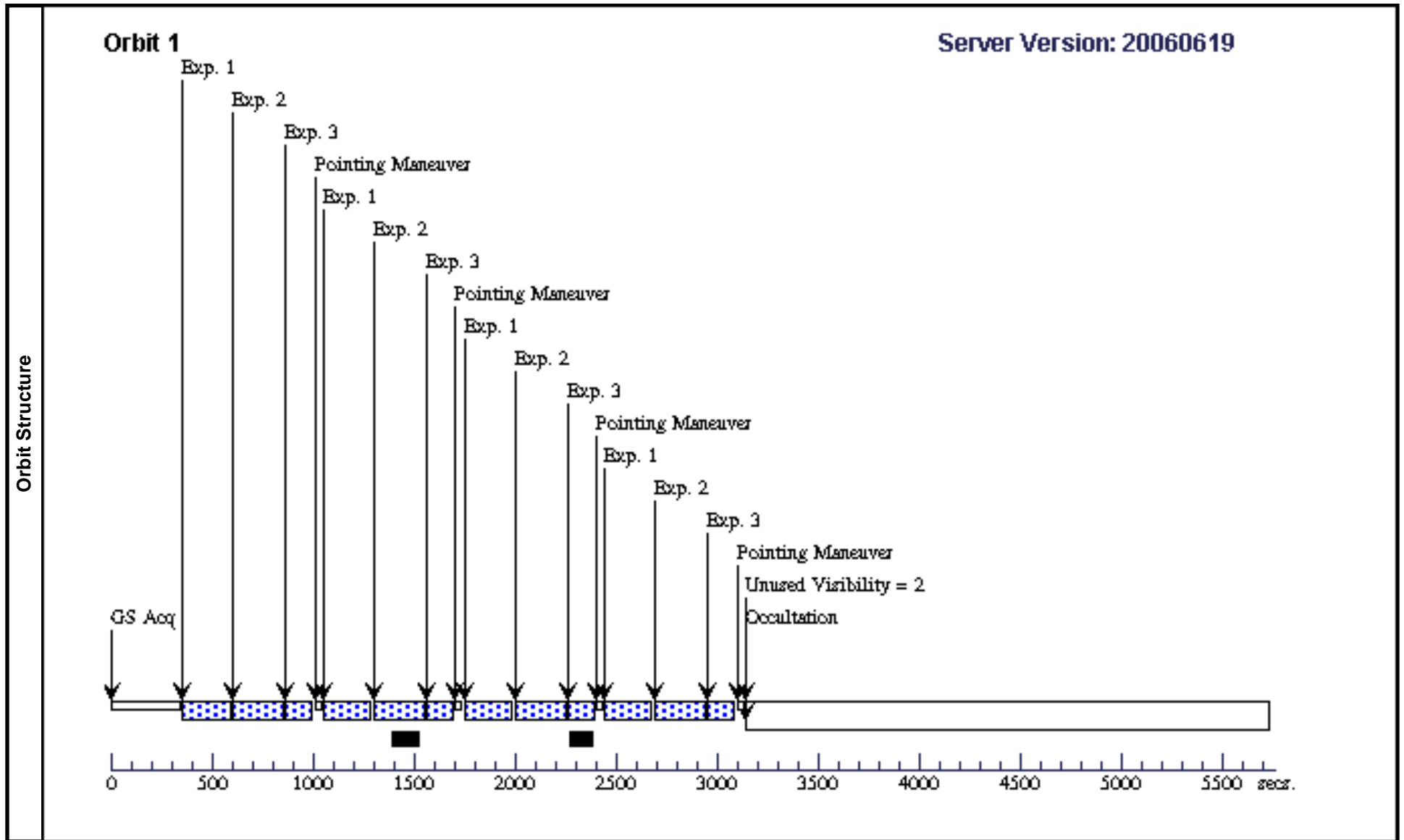
Proposal 10894 - Visit 01 - Probing the Birth of Super Star Clusters with NICMOS

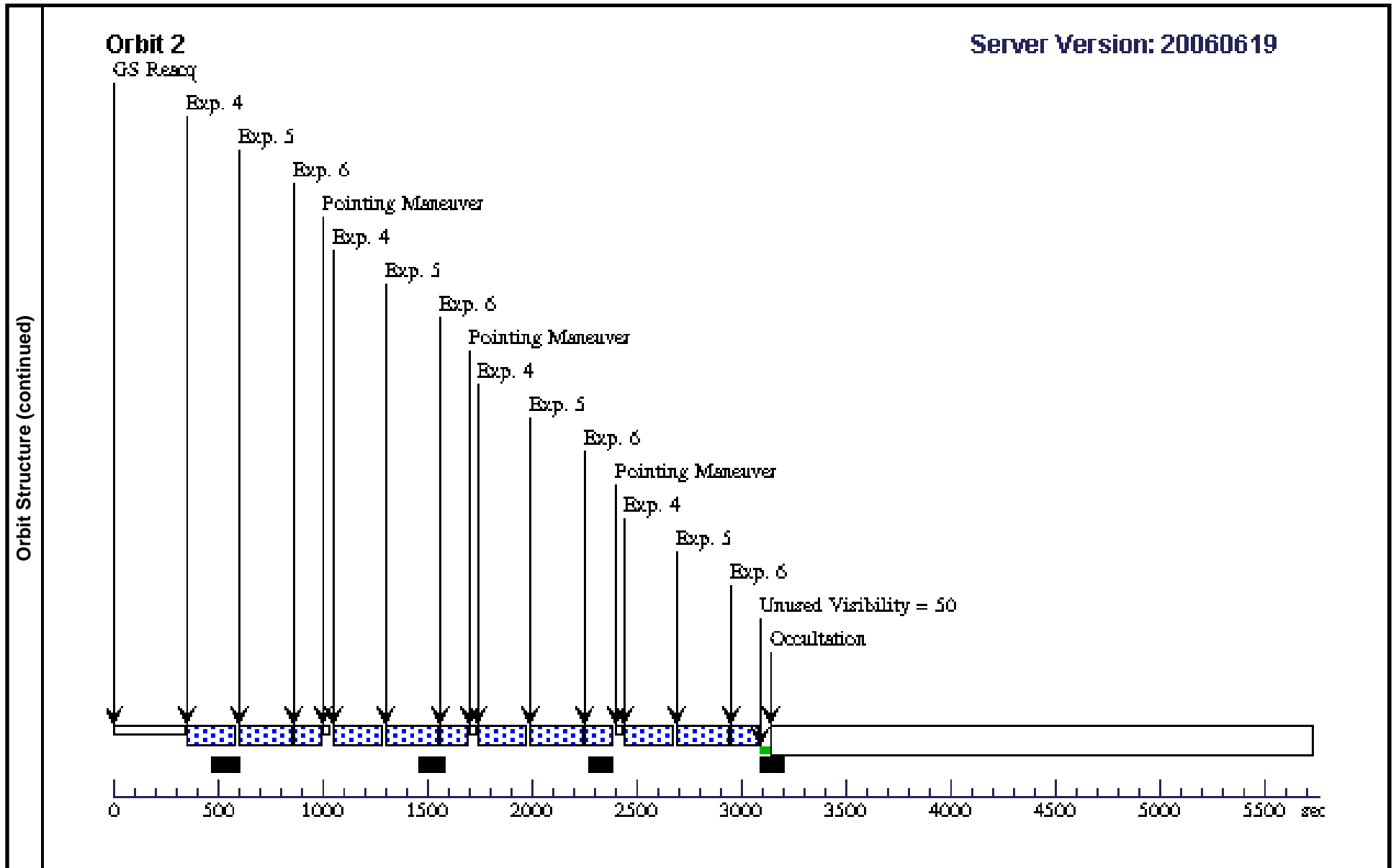
Thu Nov 02 03:14:43 GMT 2006

Visit	Proposal 10894, Visit 01, completed Diagnostic Status: Warning Scientific Instruments: NIC2 Special Requirements: (none)										
	Diagnostics	(Visit 01) Warning: PATTERN POSITION OUTSIDE APERTURE (Visit 01) Warning: PATTERN POSITION OUTSIDE APERTURE									
Patterns		#	Primary Pattern				Secondary Pattern				Exposures
	(1)	Pattern Type=NIC-SPIRAL-DITH-CHOP Purpose=DITHER Number Of Points=2 Point Spacing=0.79 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45 Angle Between Sides= Center Pattern=false			Pattern Type=NIC-SPIRAL-DITH-CHOP Purpose=BACKGROUND Number Of Points=2 Point Spacing=40 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45 Angle Between Sides= Center Pattern=false			(1-3), (4-6)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	HE2-10	RA: 08 36 14.9742 (129.0623925d) Dec: -26 24 33.18 (-26.40922d) Equinox: J2000			V=11.9+/-0.5	Reference Frame: ICRS				
	<i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i>										
(6)	HE2-10SH	RA: 08 36 15.2193 (129.0634138d) Dec: -26 24 34.01 (-26.40945d) Equinox: J2000			V=11.9+/-0.5	Reference Frame: ICRS					
<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	He2-10, F18 7N	(1) HE2-10	NIC2, MULTIACCUM, NIC2-FIX	F187N	SAMP-SEQ=STEP3 2; NSAMP=14		Pattern 1-3 (1)	[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]		[1]
	2	He2-10, F19 0N	(1) HE2-10	NIC2, MULTIACCUM, NIC2-FIX	F190N	NSAMP=21; SAMP-SEQ=STEP1 6		Pattern 1-3 (1)	[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]		[1]
	3	He2-10, F20 5W	(1) HE2-10	NIC2, MULTIACCUM, NIC2-FIX	F205W	SAMP-SEQ=STEP8 ; NSAMP=20		Pattern 1-3 (1)	[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]		[1]

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Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	4	He2-10sh, F 187N	(6) HE2-10SH	NIC2, MULTIACCUM, NIC2-FIX	F187N	SAMP-SEQ=STEP3 2; NSAMP=14		Pattern 4-6 (1)	[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[2]
	5	He2-10sh, F 190N	(6) HE2-10SH	NIC2, MULTIACCUM, NIC2-FIX	F190N	NSAMP=21; SAMP-SEQ=STEP1 6		Pattern 4-6 (1)	[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[2]
	6	He2-10sh, F 205W	(6) HE2-10SH	NIC2, MULTIACCUM, NIC2-FIX	F205W	SAMP-SEQ=STEP8 ; NSAMP=20		Pattern 4-6 (1)	[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[2]





Proposal 10894 - Visit 02 - Probing the Birth of Super Star Clusters with NICMOS

Thu Nov 02 03:14:44 GMT 2006

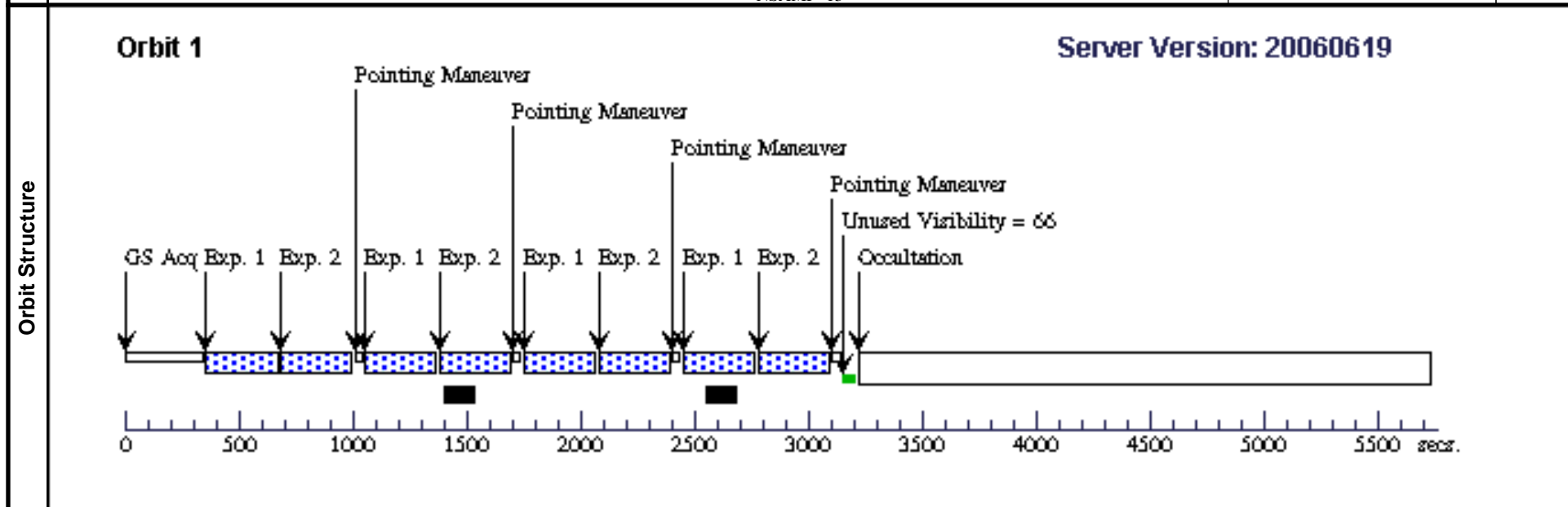
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Patterns	#	Primary Pattern	Secondary Pattern	Exposures			
	(1)	Pattern Type=NIC-SPIRAL-DITH-CHOP Purpose=DITHER Number Of Points=2 Point Spacing=0.79 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45 Angle Between Sides= Center Pattern=false	Pattern Type=NIC-SPIRAL-DITH-CHOP Purpose=BACKGROUND Number Of Points=2 Point Spacing=40 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45 Angle Between Sides= Center Pattern=false (1-2), (3-4), (5-6), (7), (8), (9)		
(2)	Pattern Type=NIC-SPIRAL-DITH Purpose=DITHER Number Of Points=2 Point Spacing=0.79 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45 Angle Between Sides= Center Pattern=false		(10), (11), (12)			
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	
	(2)	HARO3 Alt Name1: MRK35	RA: 10 45 21.2476 (161.3385317d) Dec: +55 57 27.35 (55.95760d) Equinox: J2000		V=12.8+/-0.5	Reference Frame: ICRS	
	<i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i>						
	(7)	HARO3SH1 Alt Name1: MRK35	RA: 10 45 22.9638 (161.3456825d) Dec: +55 57 41.17 (55.96144d) Equinox: J2000		V=12.8+/-0.5	Reference Frame: ICRS	
<i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i>							
(20)	HARO3SH2 Alt Name1: MRK35	RA: 10 45 22.1140 (161.3421417d) Dec: +55 57 35.52 (55.95987d) Equinox: J2000		V=12.8+/-0.5	Reference Frame: ICRS		
<i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i>							

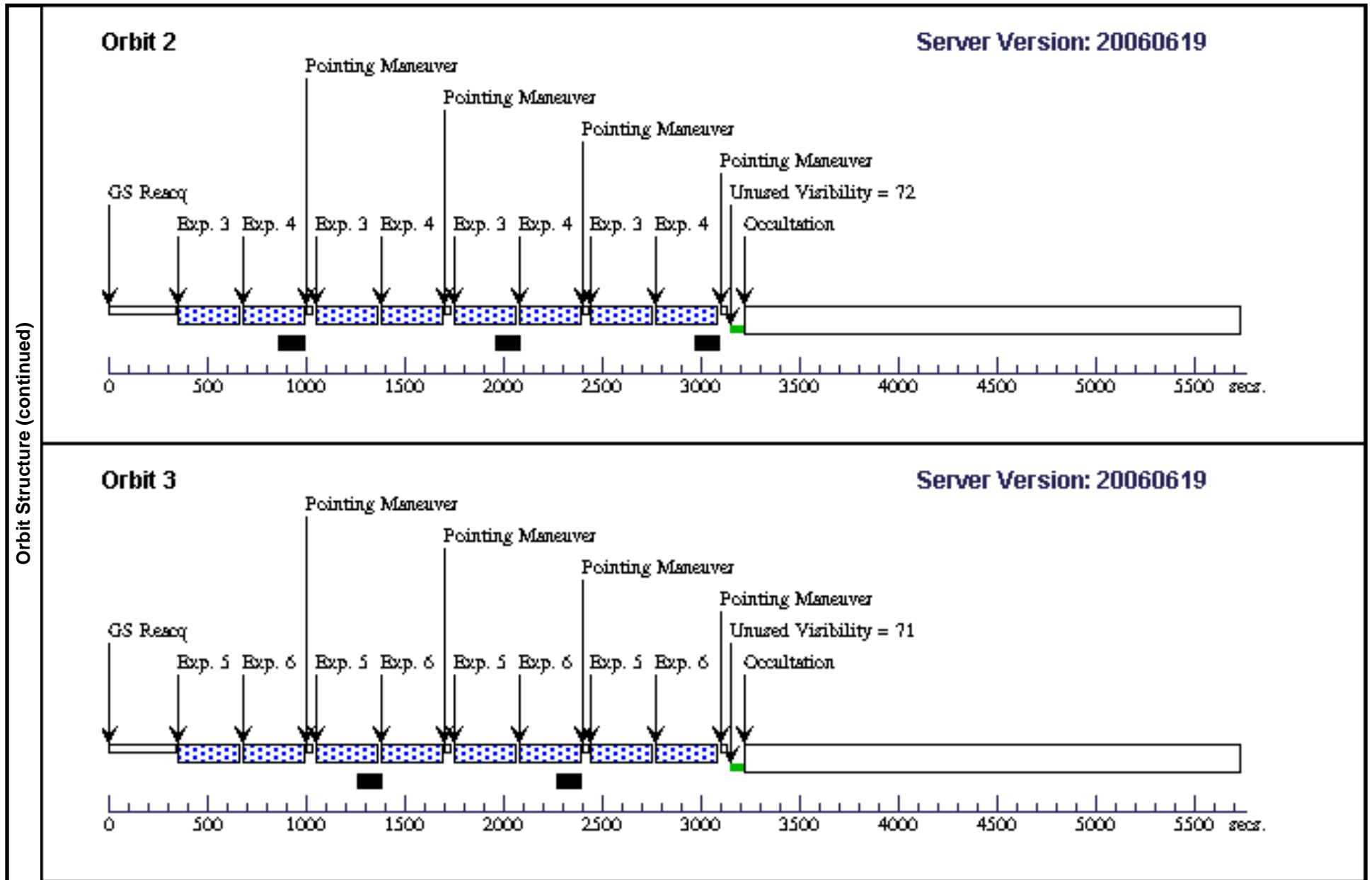
Proposal 10894 - Visit 02 - Probing the Birth of Super Star Clusters with NICMOS

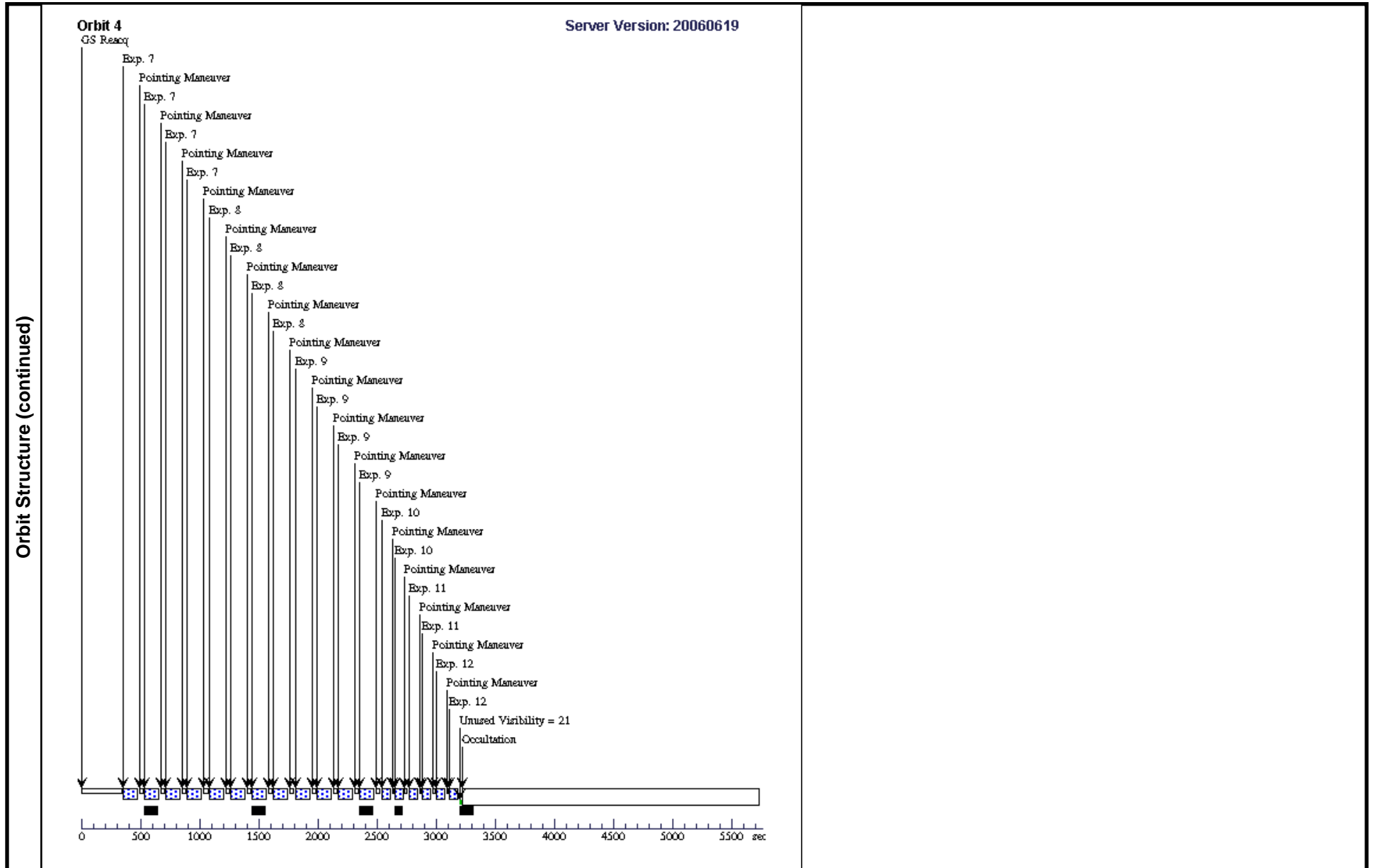
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	Haro3, F187 N	(2) HARO3	NIC2, MULTIACCUM, NIC2-FIX	F187N	SAMP-SEQ=STEP1 6; NSAMP=25		Pattern 1-2 (1)	[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[1]
	2	Haro3, F190 N	(2) HARO3	NIC2, MULTIACCUM, NIC2-FIX	F190N	SAMP-SEQ=STEP1 6; NSAMP=25		Pattern 1-2 (1)	[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[1]
	3	Haro3sh, F1 87N	(7) HARO3SH1	NIC2, MULTIACCUM, NIC2-FIX	F187N	SAMP-SEQ=STEP1 6; NSAMP=25		Pattern 3-4 (1)	[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[2]
	4	Haro3sh, F1 90N	(7) HARO3SH1	NIC2, MULTIACCUM, NIC2-FIX	F190N	SAMP-SEQ=STEP1 6; NSAMP=25		Pattern 3-4 (1)	[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[2]
	5	Haro3sh2, F 187N	(20) HARO3SH2	NIC2, MULTIACCUM, NIC2-FIX	F187N	SAMP-SEQ=STEP1 6; NSAMP=25		Pattern 5-6 (1)	[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[3]
	6	Haro3sh2, F 190N	(20) HARO3SH2	NIC2, MULTIACCUM, NIC2-FIX	F190N	SAMP-SEQ=STEP1 6; NSAMP=25		Pattern 5-6 (1)	[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[3]
	7	Haro3, F205 W	(2) HARO3	NIC2, MULTIACCUM, NIC2-FIX	F205W	SAMP-SEQ=STEP1 6; NSAMP=13		Pattern 7-7 (1)	[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[4]
	8	Haro3sh, F2 05W	(7) HARO3SH1	NIC2, MULTIACCUM, NIC2-FIX	F205W	SAMP-SEQ=STEP1 6; NSAMP=13		Pattern 8-8 (1)	[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[4]

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#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	9	Haro3sh2, F 205W	(20) HARO3SH2	NIC2, MULTIACCUM, NIC2-FIX	F205W	SAMP-SEQ=STEP1 6; NSAMP=13	Pattern 9-9 (1)	[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[4]
	10	Haro3, F160W	(2) HARO3	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=STEP8 ; NSAMP=13	Pattern 10-10 (2)	[==>(Pattern 1)] [==>(Pattern 2)]	[4]
	11	Haro3sh, F160W	(7) HARO3SH1	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=STEP8 ; NSAMP=13	Pattern 11-11 (2)	[==>(Pattern 1)] [==>(Pattern 2)]	[4]
	12	Haro3sh2, F160W	(20) HARO3SH2	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=STEP8 ; NSAMP=13	Pattern 12-12 (2)	[==>(Pattern 1)] [==>(Pattern 2)]	[4]







Proposal 10894 - Visit 03 - Probing the Birth of Super Star Clusters with NICMOS

Thu Nov 02 03:14:48 GMT 2006

Visit	Proposal 10894, Visit 03, completed Diagnostic Status: Warning Scientific Instruments: NIC2 Special Requirements: (none)						
	Diagnostics	(Visit 03) Warning: PATTERN POSITION OUTSIDE APERTURE					
(Visit 03) Warning: PATTERN POSITION OUTSIDE APERTURE							
(Visit 03) Warning: PATTERN POSITION OUTSIDE APERTURE							
(Visit 03) Warning: PATTERN POSITION OUTSIDE APERTURE							
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(Visit 03) Warning: PATTERN POSITION OUTSIDE APERTURE							
(Visit 03) Warning: PATTERN POSITION OUTSIDE APERTURE							
(Visit 03) Warning: PATTERN POSITION OUTSIDE APERTURE							
Patterns	#	Primary Pattern	Secondary Pattern	Exposures			
	(1)	Pattern Type=NIC-SPIRAL-DITH-CHOP Purpose=DITHER Number Of Points=2 Point Spacing=0.79 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45 Angle Between Sides= Center Pattern=false	Pattern Type=NIC-SPIRAL-DITH-CHOP Purpose=BACKGROUND Number Of Points=2 Point Spacing=40 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45 Angle Between Sides= Center Pattern=false	(1-2), (4-5), (7-8), (10-11), (13), (14), (15), (16)	
	(2)	Pattern Type=NIC-SPIRAL-DITH Purpose=DITHER Number Of Points=2 Point Spacing=0.79 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45 Angle Between Sides= Center Pattern=false			(3), (6), (9), (12)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	
	(3)	IIZW40	RA: 05 55 42.8367 (88.9284862d) Dec: +03 23 29.67 (3.39158d) Equinox: J2000		V=13.0+/-1.5	Reference Frame: ICRS	
	<i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i>						
	(9)	IIZW40SH1	RA: 05 55 42.9546 (88.9289775d) Dec: +03 23 20.73 (3.38909d) Equinox: J2000		V=13.0+/-1.5	Reference Frame: ICRS	
<i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i>							
(10)	IIZW40SH3	RA: 05 55 43.2157 (88.9300654d) Dec: +03 23 23.63 (3.38990d) Equinox: J2000		V=13.0+/-1.5	Reference Frame: ICRS		
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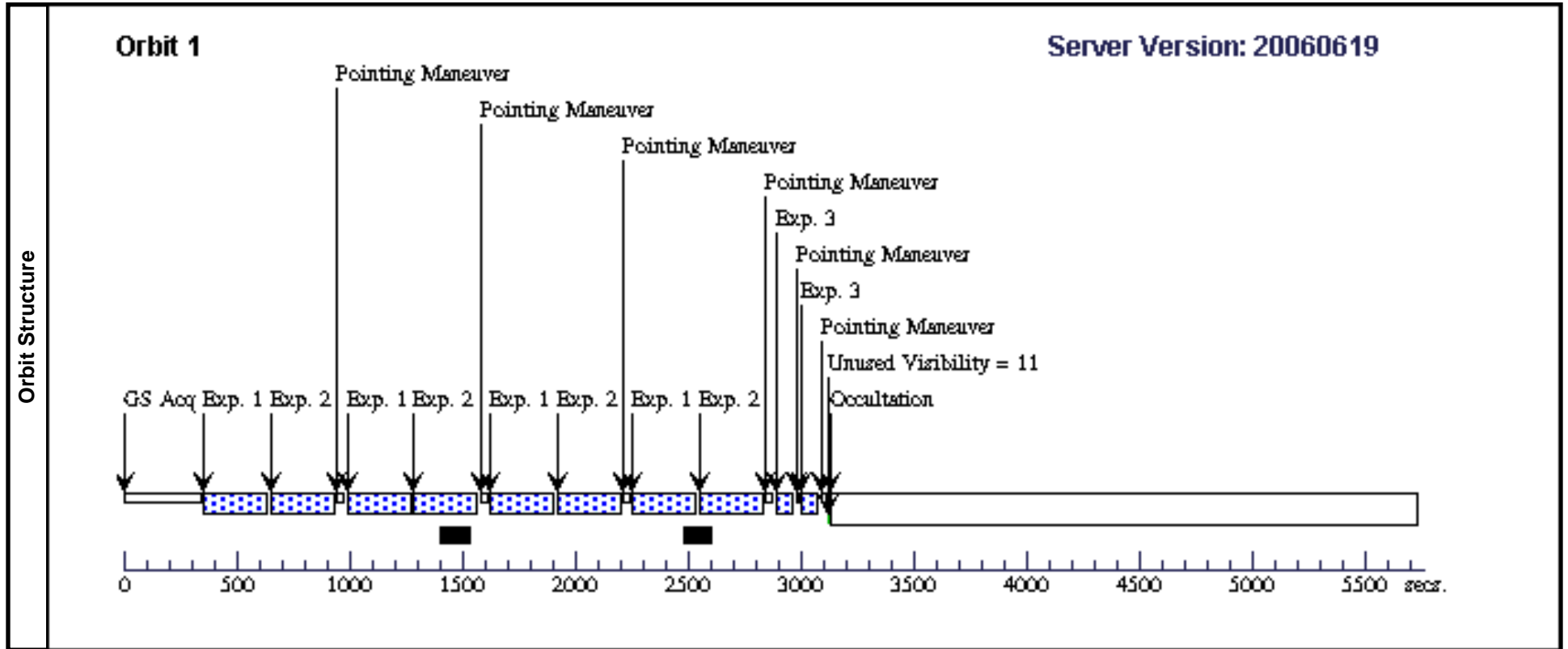
Proposal 10894 - Visit 03 - Probing the Birth of Super Star Clusters with NICMOS

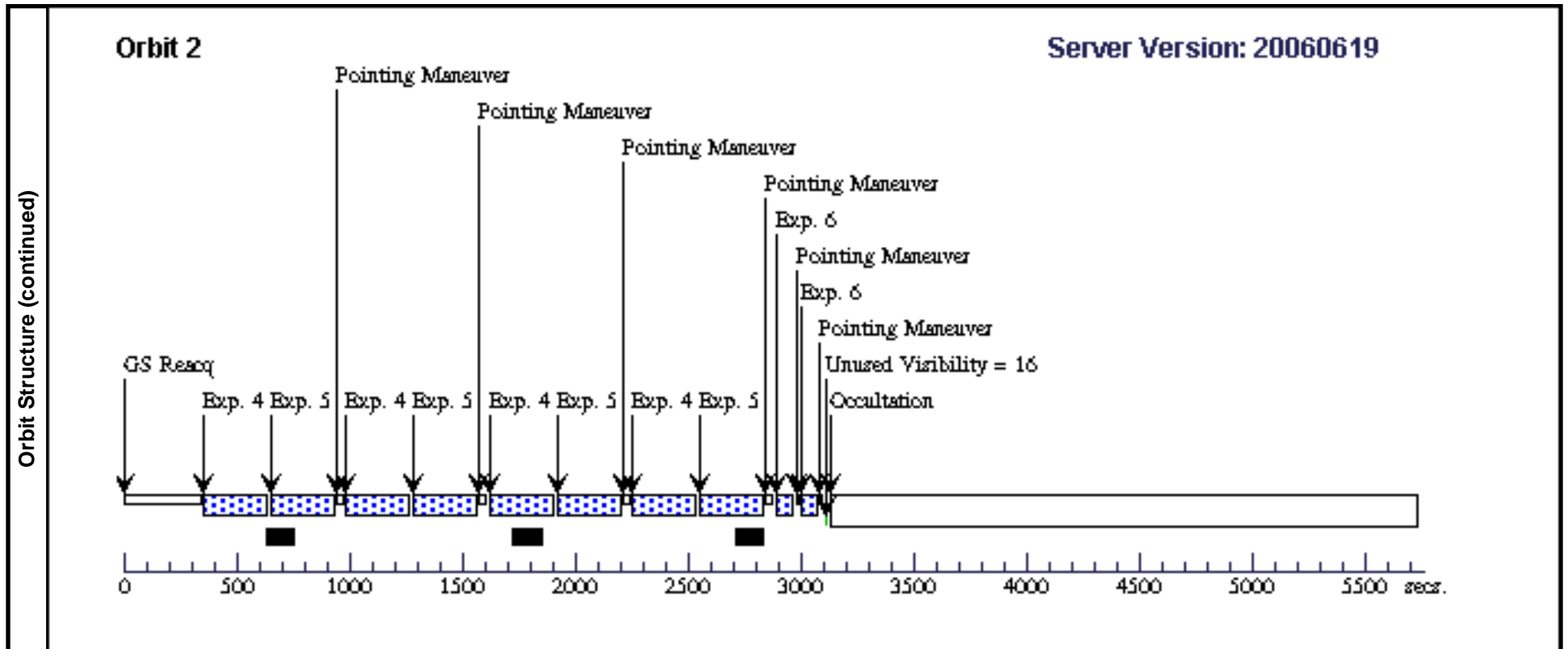
Fixed Targets (continued)	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(21)	IIZW40SH4	RA: 05 55 42.3735 (88.9265562d) Dec: +03 23 31.43 (3.39206d) Equinox: J2000			V=13.0+/-1.5
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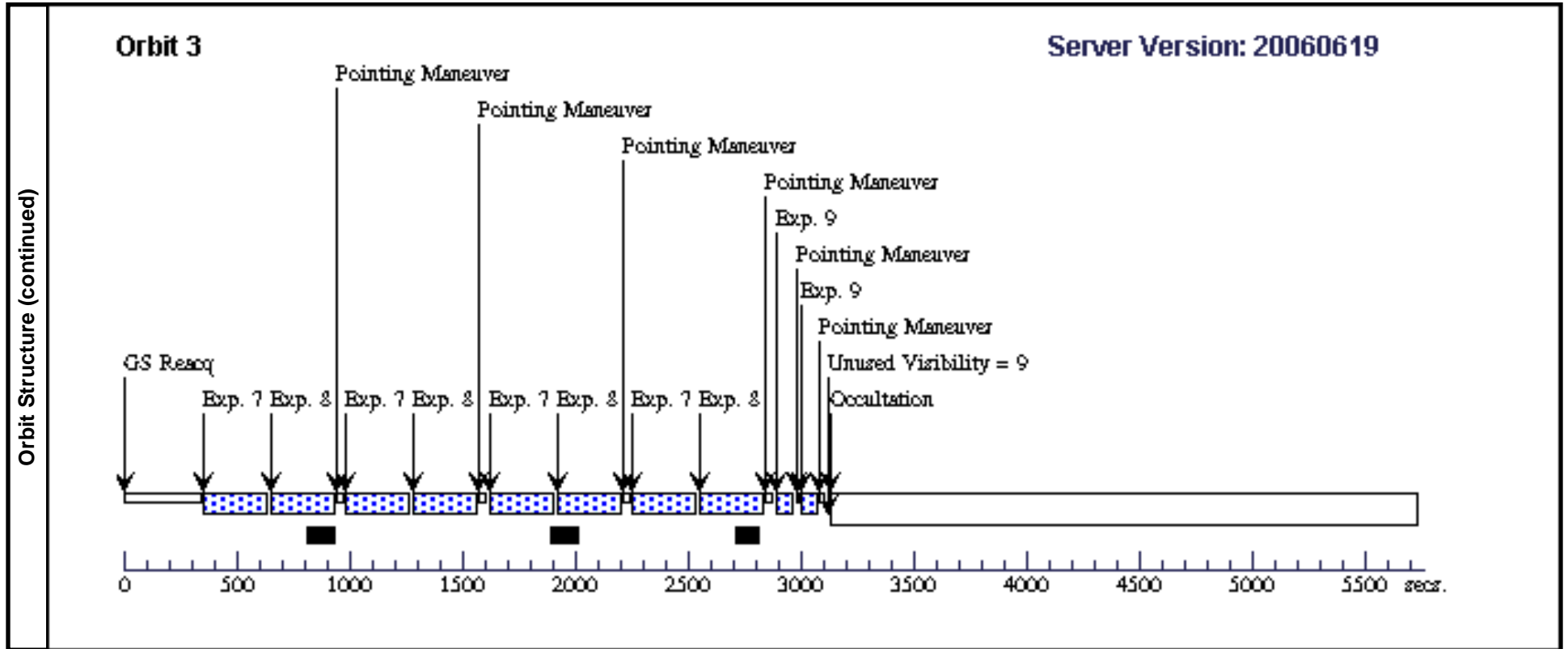
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	IIZw40, F18 7N	(3) IIZW40	NIC2, MULTIACCUM, NIC2-FIX	F187N	SAMP-SEQ=STEP1 6; NSAMP=23		Pattern 1-2 (1)	[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[1]
	2	IIZw40, F19 0N	(3) IIZW40	NIC2, MULTIACCUM, NIC2-FIX	F190N	SAMP-SEQ=STEP1 6; NSAMP=23		Pattern 1-2 (1)	[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[1]
	3	IIZw40, F16 0W	(3) IIZW40	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=STEP8 ; NSAMP=13		Pattern 3-3 (2)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	IIZw40sh1, F187N	(9) IIZW40SH1	NIC2, MULTIACCUM, NIC2-FIX	F187N	SAMP-SEQ=STEP1 6; NSAMP=23		Pattern 4-5 (1)	[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[2]
	5	IIZw40sh1, F190N	(9) IIZW40SH1	NIC2, MULTIACCUM, NIC2-FIX	F190N	SAMP-SEQ=STEP1 6; NSAMP=23		Pattern 4-5 (1)	[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[2]
	6	IIZw40sh1, F160W	(9) IIZW40SH1	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=STEP8 ; NSAMP=13		Pattern 6-6 (2)	[==>(Pattern 1)] [==>(Pattern 2)]	[2]
	7	IIZw40sh3, F187N	(10) IIZW40SH3	NIC2, MULTIACCUM, NIC2-FIX	F187N	SAMP-SEQ=STEP1 6; NSAMP=23		Pattern 7-8 (1)	[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[3]

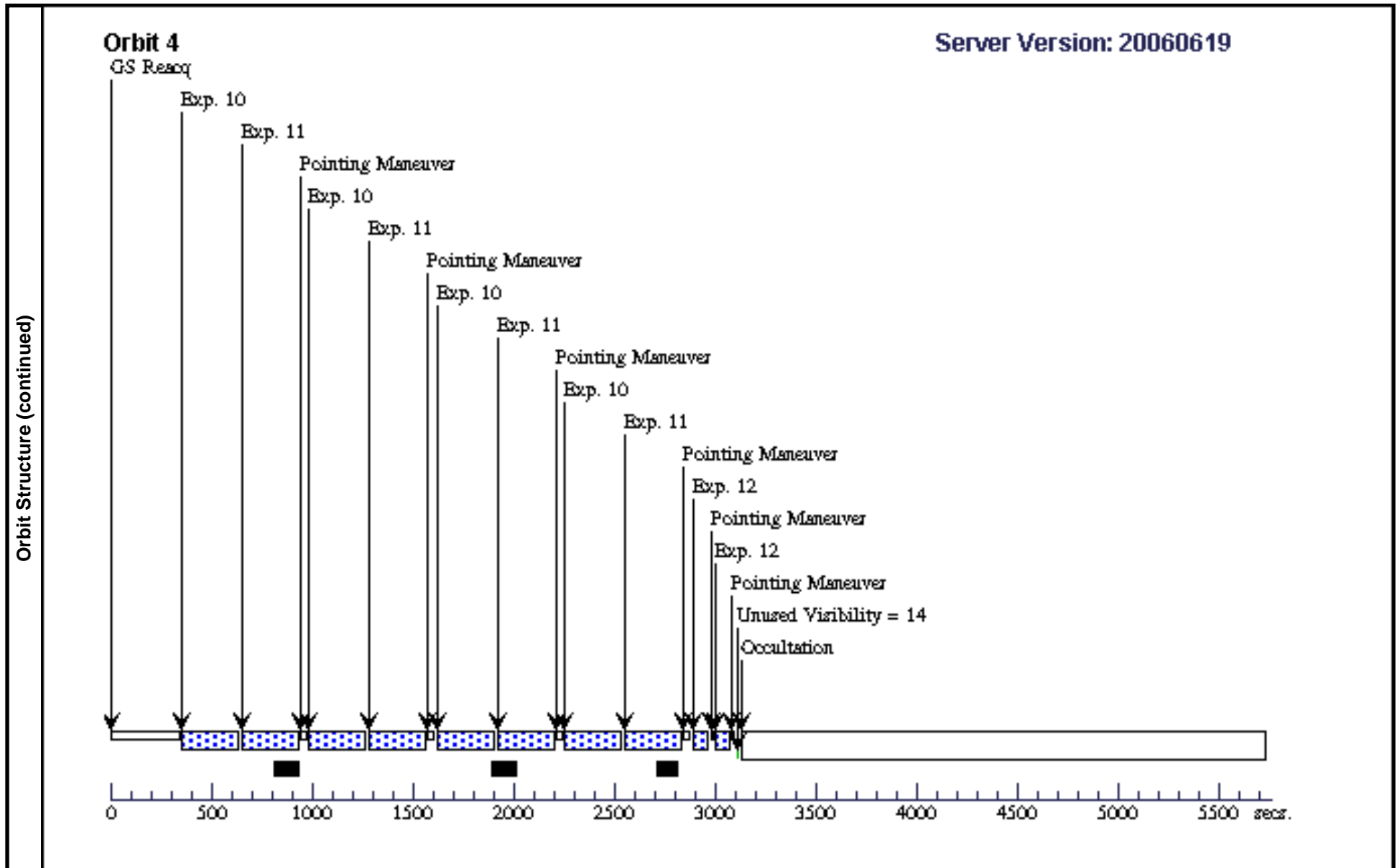
Proposal 10894 - Visit 03 - Probing the Birth of Super Star Clusters with NICMOS

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	8	IIZw40sh3, F190N	(10) IIZW40SH3	NIC2, MULTIACCUM, NIC2-FIX	F190N	SAMP-SEQ=STEP1 6; NSAMP=23	Pattern 7-8 (1)	[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[3]
	9	IIZw40sh3, F160W	(10) IIZW40SH3	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=STEP8 ; NSAMP=13	Pattern 9-9 (2)	[==>(Pattern 1)] [==>(Pattern 2)]	[3]
	10	IIZw40sh4, F187N	(21) IIZW40SH4	NIC2, MULTIACCUM, NIC2-FIX	F187N	SAMP-SEQ=STEP1 6; NSAMP=23	Pattern 10-11 (1)	[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[4]
	11	IIZw40sh4, F190N	(21) IIZW40SH4	NIC2, MULTIACCUM, NIC2-FIX	F190N	SAMP-SEQ=STEP1 6; NSAMP=23	Pattern 10-11 (1)	[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[4]
	12	IIZw40sh4, F160W	(21) IIZW40SH4	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=STEP8 ; NSAMP=13	Pattern 12-12 (2)	[==>(Pattern 1)] [==>(Pattern 2)]	[4]
	13	IIZw40, F205W	(3) IIZW40	NIC2, MULTIACCUM, NIC2-FIX	F205W	SAMP-SEQ=STEP8 ; NSAMP=18	Pattern 13-13 (1)	[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[5]
	14	IIZw40sh1, F205W	(9) IIZW40SH1	NIC2, MULTIACCUM, NIC2-FIX	F205W	SAMP-SEQ=STEP8 ; NSAMP=18	Pattern 14-14 (1)	[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[5]
	15	IIZw40sh3, F205W	(10) IIZW40SH3	NIC2, MULTIACCUM, NIC2-FIX	F205W	SAMP-SEQ=STEP8 ; NSAMP=18	Pattern 15-15 (1)	[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[5]
16	IIZw40sh4, F205W	(21) IIZW40SH4	NIC2, MULTIACCUM, NIC2-FIX	F205W	SAMP-SEQ=STEP8 ; NSAMP=18	Pattern 16-16 (1)	[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[5]	









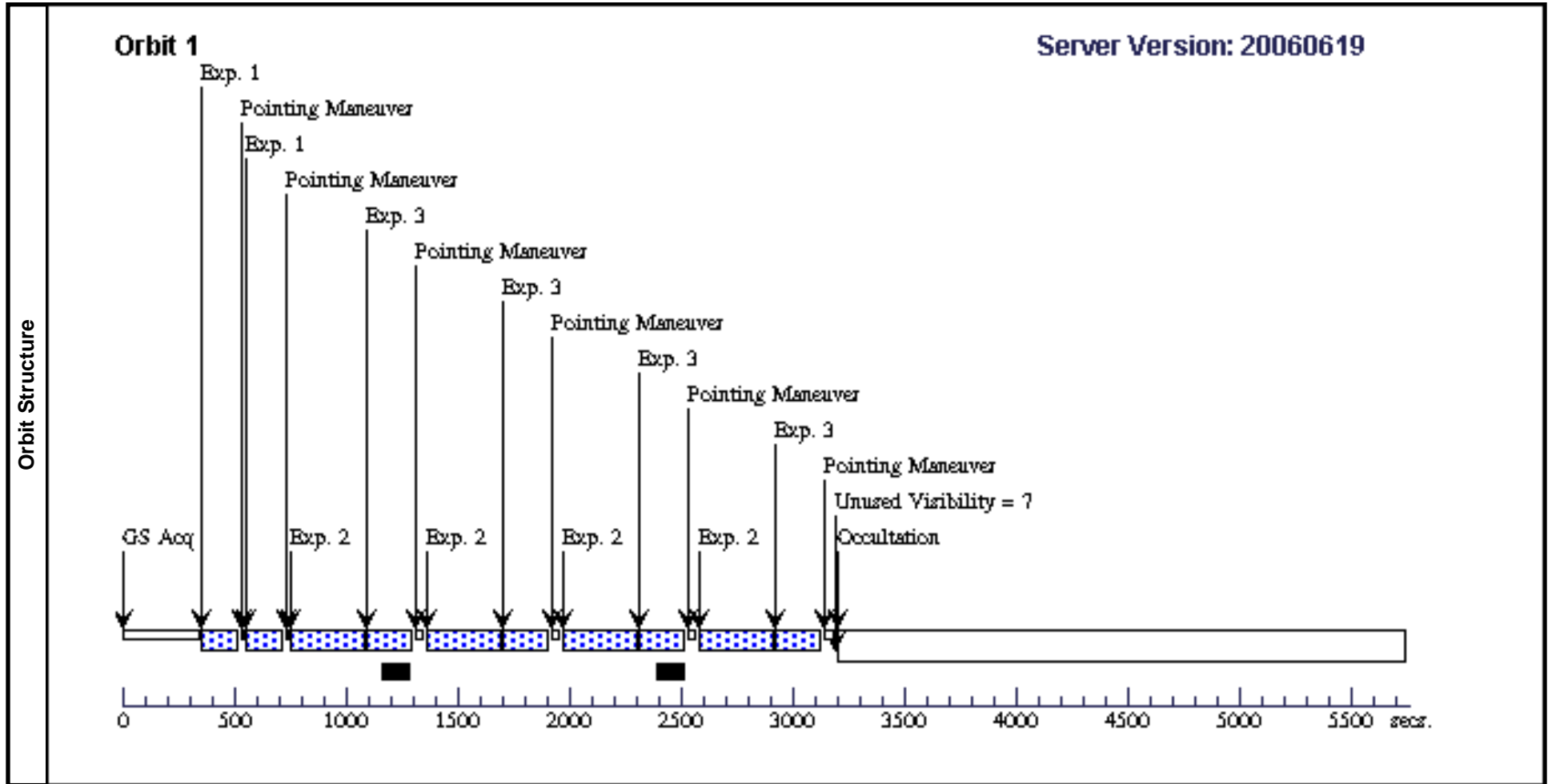
Proposal 10894 - Visit 04 - Probing the Birth of Super Star Clusters with NICMOS

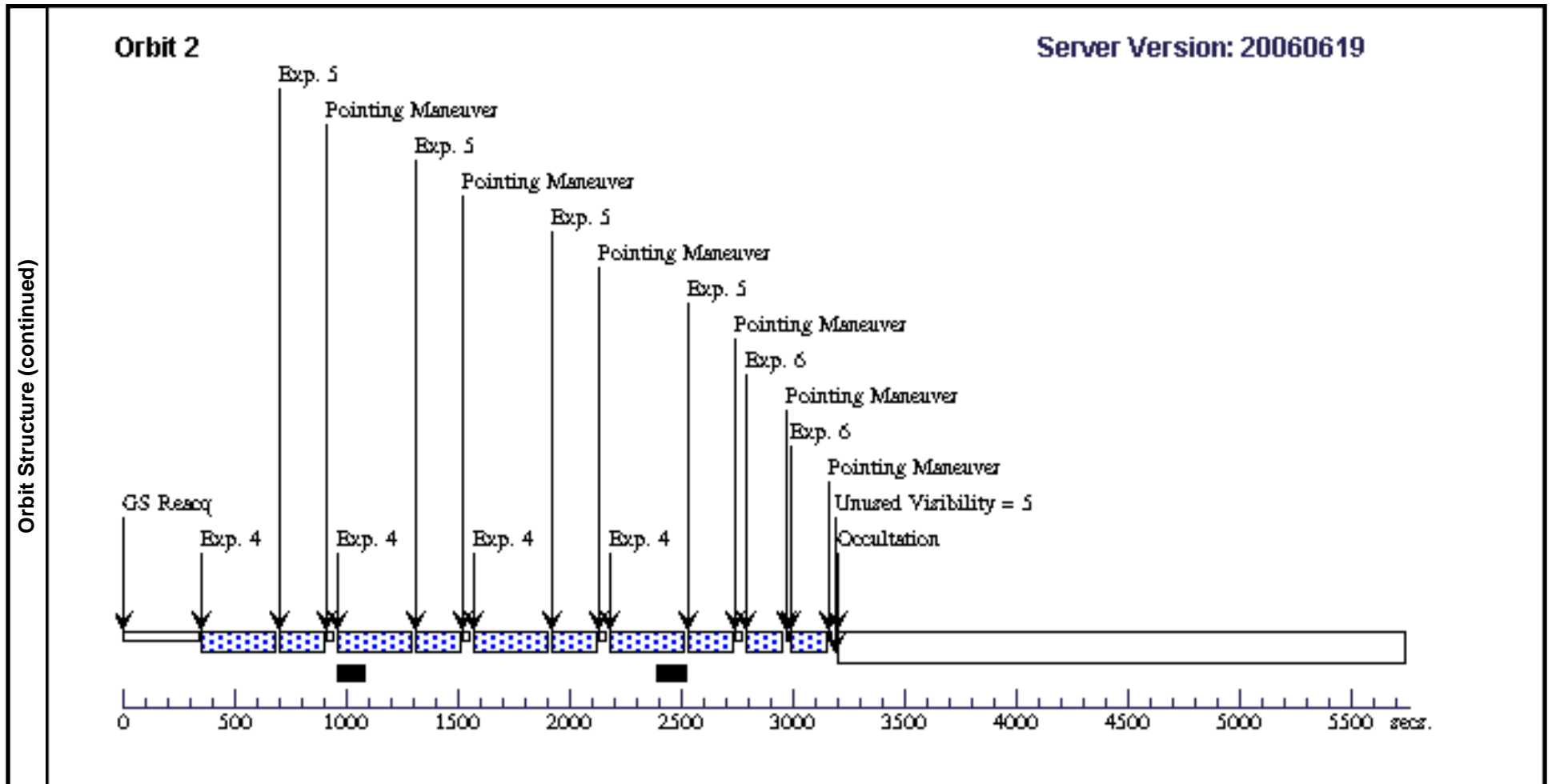
Thu Nov 02 03:14:50 GMT 2006

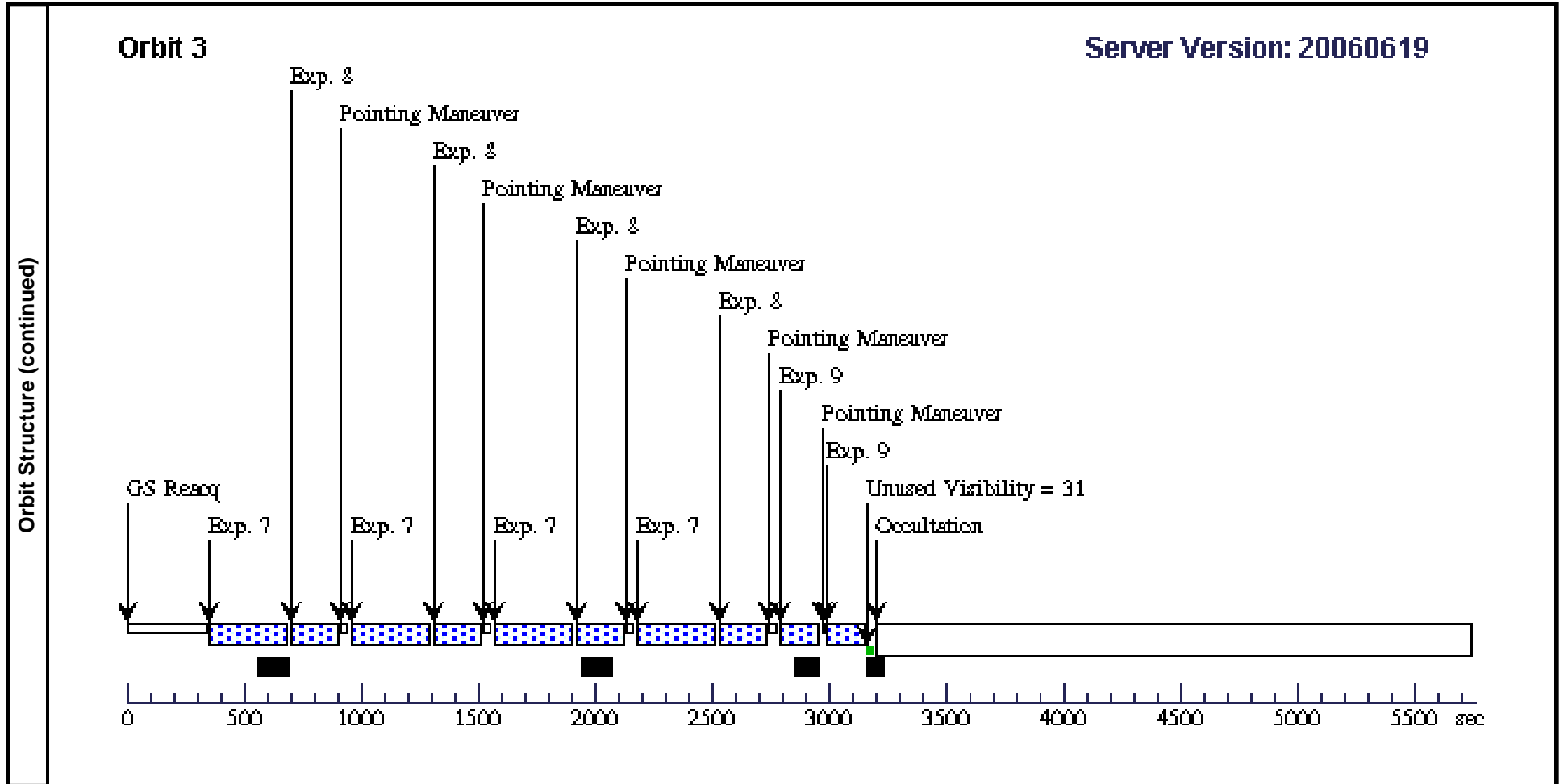
Visit	Proposal 10894, Visit 04, completed Diagnostic Status: Warning Scientific Instruments: NIC2 Special Requirements: (none)									
	Diagnostics	(Visit 04) Warning: PATTERN POSITION OUTSIDE APERTURE (Visit 04) Warning: PATTERN POSITION OUTSIDE APERTURE (Visit 04) Warning: PATTERN POSITION OUTSIDE APERTURE								
Patterns		#	Primary Pattern				Secondary Pattern			
	(2)	Pattern Type=NIC-SPIRAL-DITH		Coordinate Frame=POS-TARG						(1), (6), (9)
		Purpose=DITHER		Pattern Orientation=45						
		Number Of Points=2		Angle Between Sides=						
		Point Spacing=0.79		Center Pattern=false						
		Line Spacing=								
(5)	Pattern Type=NIC-SPIRAL-DITH-CHOP		Coordinate Frame=POS-TARG		Pattern Type=NIC-SPIRAL-DITH-CHOP		Coordinate Frame=POS-TARG		(2-3), (4-5), (7-8)	
		Purpose=DITHER		Pattern Orientation=45		Purpose=BACKGROUND		Pattern Orientation=45		
		Number Of Points=2		Angle Between Sides=		Number Of Points=2		Angle Between Sides=		
		Point Spacing=0.79		Center Pattern=false		Point Spacing=55		Center Pattern=false		
		Line Spacing=				Line Spacing=				
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes	Miscellaneous	
	(4)	HARO2	RA: 10 32 31.6283 (158.1317846d)					V=13.5+/-0.2	Reference Frame: ICRS	
		Alt Name1: MRK33	Dec: +54 24 6.49 (54.40180d)							
			Equinox: J2000							
	<i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i>									
(11)	HARO2SH1	RA: 10 32 32.2301 (158.1342921d)					V=13.5+/-0.2	Reference Frame: ICRS		
	Alt Name1: MRK33	Dec: +54 24 1.91 (54.40053d)								
		Equinox: J2000								
	<i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i>									
(12)	HARO2SH2	RA: 10 32 31.9148 (158.1329783d)					V=13.5+/-0.2	Reference Frame: ICRS		
	Alt Name1: MRK33	Dec: +54 24 4.20 (54.40117d)								
		Equinox: J2000								
	<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	Haro2, F160 W	(4) HARO2	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=STEP8 ; NSAMP=24		Pattern 1-1 (2)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]

Proposal 10894 - Visit 04 - Probing the Birth of Super Star Clusters with NICMOS

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
Exposures (continued)	2	Haro2, F222 M	(4) HARO2	NIC2, MULTIACCUM, NIC2-FIX	F222M	SAMP-SEQ=STEP3 2; NSAMP=17		Pattern 2-3 (5)	[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[1]
	3	Haro2, F187 W	(4) HARO2	NIC2, MULTIACCUM, NIC2-FIX	F187W	SAMP-SEQ=STEP1 6; NSAMP=18		Pattern 2-3 (5)	[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[1]
	4	Haro2sh1, F 222M	(11) HARO2SH1	NIC2, MULTIACCUM, NIC2-FIX	F222M	SAMP-SEQ=STEP3 2; NSAMP=17		Pattern 4-5 (5)	[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[2]
	5	Haro2sh1, F 187W	(11) HARO2SH1	NIC2, MULTIACCUM, NIC2-FIX	F187W	SAMP-SEQ=STEP1 6; NSAMP=18		Pattern 4-5 (5)	[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[2]
	6	Haro2sh1, F 160W	(11) HARO2SH1	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=STEP8 ; NSAMP=24		Pattern 6-6 (2)	[==>(Pattern 1)] [==>(Pattern 2)]	[2]
	7	Haro2sh2, F 222M	(12) HARO2SH2	NIC2, MULTIACCUM, NIC2-FIX	F222M	SAMP-SEQ=STEP3 2; NSAMP=17		Pattern 7-8 (5)	[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[3]
	8	Haro2sh2, F 187W	(12) HARO2SH2	NIC2, MULTIACCUM, NIC2-FIX	F187W	SAMP-SEQ=STEP1 6; NSAMP=18		Pattern 7-8 (5)	[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[3]
	9	Haro2sh2, F 160W	(12) HARO2SH2	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=STEP8 ; NSAMP=24		Pattern 9-9 (2)	[==>(Pattern 1)] [==>(Pattern 2)]	[3]







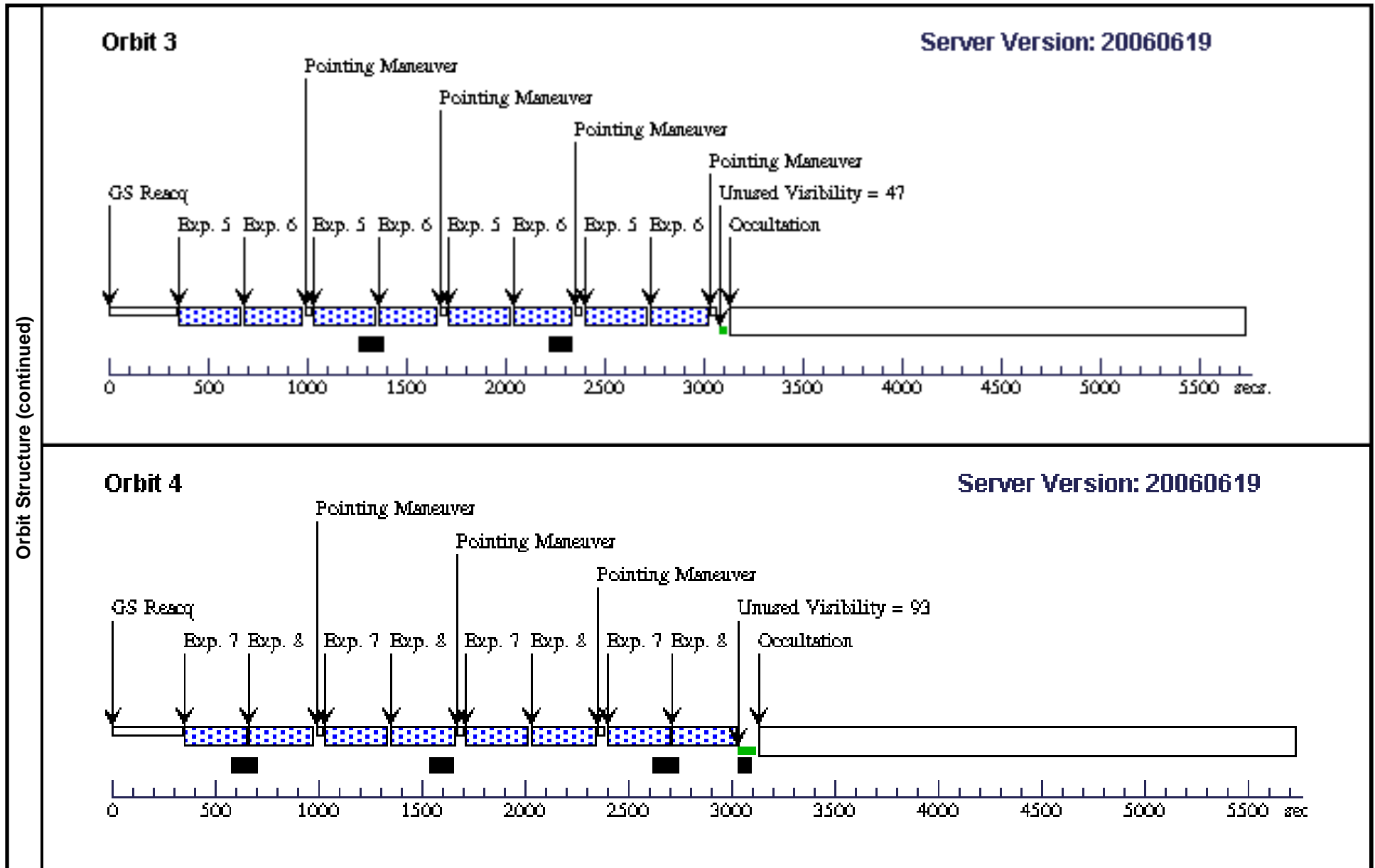
Proposal 10894 - Visit 05 - Probing the Birth of Super Star Clusters with NICMOS

Thu Nov 02 03:14:52 GMT 2006

Visit	Proposal 10894, Visit 05, implementation Diagnostic Status: Warning Scientific Instruments: NIC2 Special Requirements: (none)										
	Diagnostics	(Visit 05) Warning: PATTERN POSITION OUTSIDE APERTURE									
(Visit 05) Warning: PATTERN POSITION OUTSIDE APERTURE											
(Visit 05) Warning: PATTERN POSITION OUTSIDE APERTURE											
(Visit 05) Warning: PATTERN POSITION OUTSIDE APERTURE											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=NIC-SPIRAL-DITH-CHOP Purpose=DITHER Number Of Points=2 Point Spacing=0.79 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45 Angle Between Sides= Center Pattern=false	Pattern Type=NIC-SPIRAL-DITH-CHOP Purpose=BACKGROUND Number Of Points=2 Point Spacing=40 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45 Angle Between Sides= Center Pattern=false	(1-2), (3-4), (5-6), (7-8)					
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(5)	SBS-0335-052	RA: 03 37 44.1286 (54.4338692d) Dec: -05 02 39.15 (-5.04421d) Equinox: J2000			V=18.0+/-0.5	Reference Frame: ICRS				
	<i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i>										
	(13)	SBS-0335-052SH1	RA: 03 37 44.0000 (54.4333333d) Dec: -05 02 42.00 (-5.04500d) Equinox: J2000			V=18.0+/-0.5	Reference Frame: ICRS				
	<i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i>										
	(14)	SBS-0335-052SH2	RA: 03 37 43.8415 (54.4326729d) Dec: -05 02 39.52 (-5.04431d) Equinox: J2000			V=18.0+/-0.5	Reference Frame: ICRS				
<i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i>											
(15)	SBS-0335-052SH3	RA: 03 37 44.0109 (54.4333788d) Dec: -05 02 36.63 (-5.04351d) Equinox: J2000			V=18.0+/-0.5	Reference Frame: ICRS					
<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	SBS0335, F 187N	(5) SBS-0335-052	NIC2, MULTIACCUM, NIC2-FIX	F187N	SAMP-SEQ=STEP1 6; NSAMP=25		Pattern 1-2 (1)	[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]		[1]

Proposal 10894 - Visit 05 - Probing the Birth of Super Star Clusters with NICMOS

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	2	SBS0335, F190N	(5) SBS-0335-052	NIC2, MULTIACCUM, NIC2-FIX	F190N	SAMP-SEQ=STEP1 6; NSAMP=24	Pattern 1-2 (1)	[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[1]
	3	SBS0335sh1, F187N	(13) SBS-0335-052S H1	NIC2, MULTIACCUM, NIC2-FIX	F187N	SAMP-SEQ=STEP1 6; NSAMP=25	Pattern 3-4 (1)	[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[2]
	4	SBS0335sh1, F190N	(13) SBS-0335-052S H1	NIC2, MULTIACCUM, NIC2-FIX	F190N	SAMP-SEQ=STEP1 6; NSAMP=24	Pattern 3-4 (1)	[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[2]
	5	SBS0335sh2, F187N	(14) SBS-0335-052S H2	NIC2, MULTIACCUM, NIC2-FIX	F187N	SAMP-SEQ=STEP1 6; NSAMP=25	Pattern 5-6 (1)	[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[3]
	6	SBS0335sh2, F190N	(14) SBS-0335-052S H2	NIC2, MULTIACCUM, NIC2-FIX	F190N	SAMP-SEQ=STEP1 6; NSAMP=24	Pattern 5-6 (1)	[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[3]
	7	SBS0335sh3, F190N	(15) SBS-0335-052S H3	NIC2, MULTIACCUM, NIC2-FIX	F190N	SAMP-SEQ=STEP1 6; NSAMP=24	Pattern 7-8 (1)	[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[4]
	8	SBS0335sh3, F187N	(15) SBS-0335-052S H3	NIC2, MULTIACCUM, NIC2-FIX	F187N	SAMP-SEQ=STEP1 6; NSAMP=25	Pattern 7-8 (1)	[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[4]



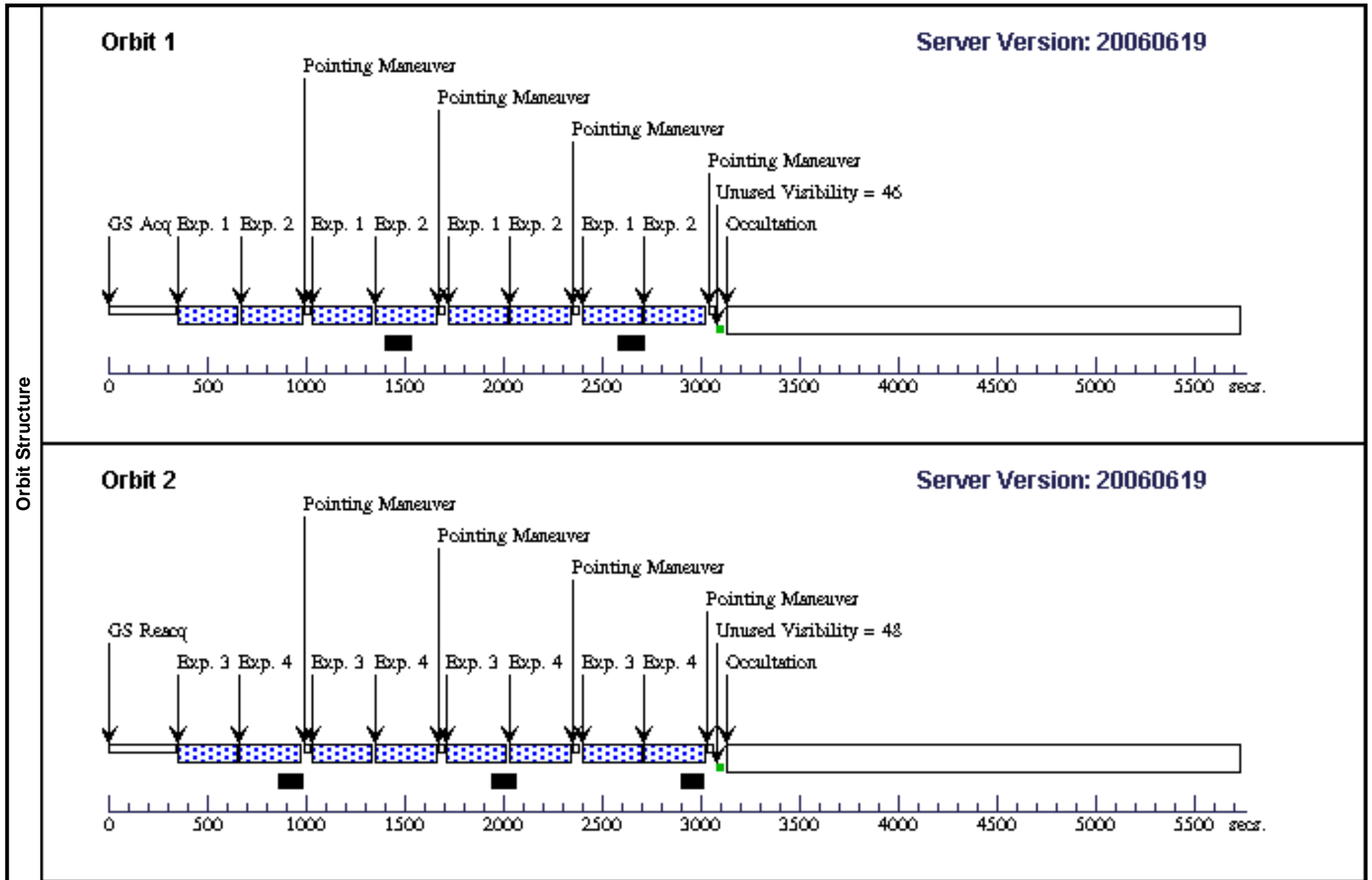
Proposal 10894 - Visit 07 - Probing the Birth of Super Star Clusters with NICMOS

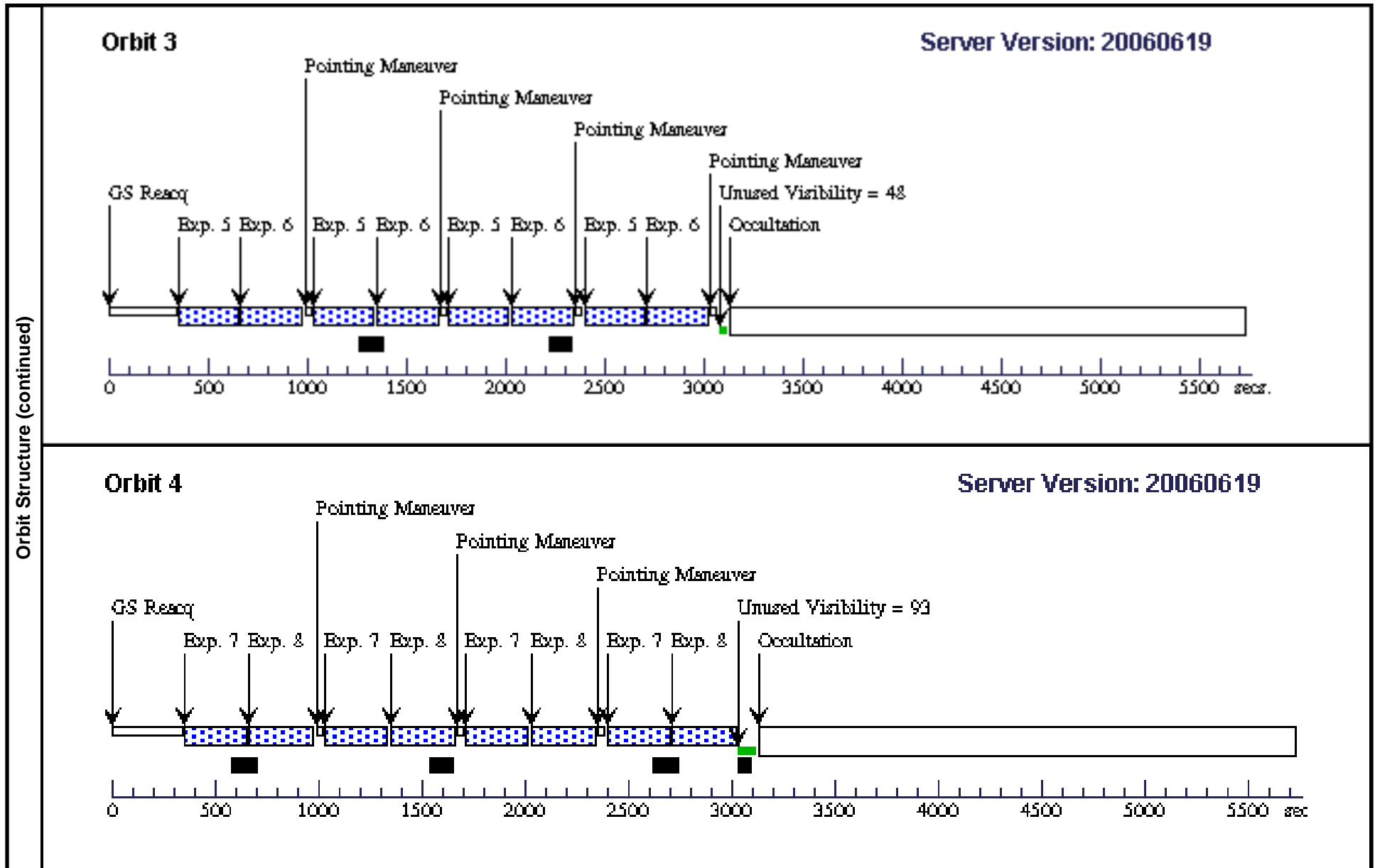
Thu Nov 02 03:14:54 GMT 2006

Visit	Proposal 10894, Visit 07 Diagnostic Status: Warning Scientific Instruments: NIC2 Special Requirements: (none)										
	Diagnostics	(Visit 07) Warning: PATTERN POSITION OUTSIDE APERTURE (Visit 07) Warning: PATTERN POSITION OUTSIDE APERTURE (Visit 07) Warning: PATTERN POSITION OUTSIDE APERTURE (Visit 07) Warning: PATTERN POSITION OUTSIDE APERTURE									
Patterns		#	Primary Pattern				Secondary Pattern				Exposures
	(1)	Pattern Type=NIC-SPIRAL-DITH-CHOP Purpose=DITHER Number Of Points=2 Point Spacing=0.79 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45 Angle Between Sides= Center Pattern=false			Pattern Type=NIC-SPIRAL-DITH-CHOP Purpose=BACKGROUND Number Of Points=2 Point Spacing=40 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45 Angle Between Sides= Center Pattern=false			(1-2), (3-4), (5-6), (7-8)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(16)	SBS-0335-052SH4	RA: 03 37 44.0439 (54.4335163d) Dec: -05 02 40.53 (-5.04459d) Equinox: J2000				V=18.0+/-0.5	Reference Frame: ICRS			
	<i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i>										
	(17)	SBS-0335-052SH5	RA: 03 37 43.9766 (54.4332358d) Dec: -05 02 39.27 (-5.04424d) Equinox: J2000				V=18.0+/-0.5	Reference Frame: ICRS			
	<i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i>										
(18)	SBS-0335-052SH7	RA: 03 37 43.8924 (54.4328850d) Dec: -05 02 38.01 (-5.04389d) Equinox: J2000				V=18.0+/-0.5	Reference Frame: ICRS				
<i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i>											
(19)	SBS-0335-052SH6	RA: 03 37 43.9258 (54.4330242d) Dec: -05 02 40.15 (-5.04449d) Equinox: J2000				V=18.0+/-0.5	Reference Frame: ICRS				
<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	SBS0335sh4 , F190N	(16) SBS-0335-052S H4	NIC2, MULTIACCUM, NIC2-FIX	F190N	SAMP-SEQ=STEP1 6; NSAMP=24		Pattern 1-2 (1)	[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[1]	

Proposal 10894 - Visit 07 - Probing the Birth of Super Star Clusters with NICMOS

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures (continued)	2	SBS0335sh4 , F187N	(16) SBS-0335-052S H4	NIC2, MULTIACCUM, NIC2-FIX	F187N	SAMP-SEQ=STEP1 6; NSAMP=25	Pattern 1-2 (1)	[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[1]
	3	SBS0335sh5 , F190N	(17) SBS-0335-052S H5	NIC2, MULTIACCUM, NIC2-FIX	F190N	SAMP-SEQ=STEP1 6; NSAMP=24	Pattern 3-4 (1)	[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[2]
	4	SBS0335sh5 , F187N	(17) SBS-0335-052S H5	NIC2, MULTIACCUM, NIC2-FIX	F187N	SAMP-SEQ=STEP1 6; NSAMP=25	Pattern 3-4 (1)	[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[2]
	5	SBS0335sh6 , F190N	(19) SBS-0335-052S H6	NIC2, MULTIACCUM, NIC2-FIX	F190N	SAMP-SEQ=STEP1 6; NSAMP=24	Pattern 5-6 (1)	[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[3]
	6	SBS0335sh6 , F187N	(19) SBS-0335-052S H6	NIC2, MULTIACCUM, NIC2-FIX	F187N	SAMP-SEQ=STEP1 6; NSAMP=25	Pattern 5-6 (1)	[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[3]
	7	SBS0335sh7 , F190N	(18) SBS-0335-052S H7	NIC2, MULTIACCUM, NIC2-FIX	F190N	SAMP-SEQ=STEP1 6; NSAMP=24	Pattern 7-8 (1)	[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[4]
	8	SBS0335sh7 , F187N	(18) SBS-0335-052S H7	NIC2, MULTIACCUM, NIC2-FIX	F187N	SAMP-SEQ=STEP1 6; NSAMP=25	Pattern 7-8 (1)	[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)]	[4]





Proposal 10894 - Visit 06 - Probing the Birth of Super Star Clusters with NICMOS

Thu Nov 02 03:14:55 GMT 2006

Visit	Proposal 10894, Visit 06, completed Diagnostic Status: Warning Scientific Instruments: NIC2 Special Requirements: (none)					
	Diagnosics (Visit 06) Warning: PATTERN POSITION OUTSIDE APERTURE (Visit 06) Warning: PATTERN POSITION OUTSIDE APERTURE					
Patterns	#	Primary Pattern	Secondary Pattern	Exposures		
	(3)	Pattern Type=NIC-SPIRAL-DITH-CHOP Purpose=DITHER Number Of Points=4 Point Spacing=0.79 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45 Angle Between Sides= Center Pattern=false	Pattern Type=NIC-SPIRAL-DITH-CHOP Purpose=BACKGROUND Number Of Points=2 Point Spacing=40 Line Spacing=	(1), (2)	
(4)	Pattern Type=NIC-SPIRAL-DITH Purpose=DITHER Number Of Points=8 Point Spacing=0.79 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45 Angle Between Sides= Center Pattern=false		(3)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(18)	SBS-0335-052SH7	RA: 03 37 43.8924 (54.4328850d) Dec: -05 02 38.01 (-5.04389d) Equinox: J2000 <i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i>		V=18.0+/-0.5	Reference Frame: ICRS
(19)	SBS-0335-052SH6	RA: 03 37 43.9258 (54.4330242d) Dec: -05 02 40.15 (-5.04449d) Equinox: J2000 <i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i>		V=18.0+/-0.5	Reference Frame: ICRS	

Proposal 10894 - Visit 06 - Probing the Birth of Super Star Clusters with NICMOS

	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures	1	SBS0335sh6 , F205W	(19) SBS-0335-052S H6	NIC2, MULTIACCUM, NIC2-FIX	F205W	SAMP-SEQ=STEP1 6; NSAMP=23		Pattern 1-1 (3)	[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)] [==>(Pattern 3,1)] [==>(Pattern 3,2)] [==>(Pattern 4,1)] [==>(Pattern 4,2)]	[1]
	2	SBS0335sh7 , F205W	(18) SBS-0335-052S H7	NIC2, MULTIACCUM, NIC2-FIX	F205W	SAMP-SEQ=STEP1 6; NSAMP=23		Pattern 2-2 (3)	[==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 2,1)] [==>(Pattern 2,2)] [==>(Pattern 3,1)] [==>(Pattern 3,2)] [==>(Pattern 4,1)] [==>(Pattern 4,2)]	[2]
	3	SBS0335sh7 , F160W	(18) SBS-0335-052S H7	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=STEP1 6; NSAMP=25		Pattern 3-3 (4)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)] [==>(Pattern 5)] [==>(Pattern 6)] [==>(Pattern 7)] [==>(Pattern 8)]	[3]

