



11195 - Morphologies of the Most Extreme High-Redshift Mid-IR-luminous Galaxies II: The 'Bump' Sources

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) MIPS142920.1+333023	NIC3 WFPC2	2	18-Jan-2008 02:34:08.0	yes
02	(1) MIPS142920.1+333023	NIC2 WFPC2	1	18-Jan-2008 02:34:14.0	yes

Proposal 11195 (STScI Edit Number: 0, Created: Friday, January 18, 2008 2:37:18 AM EST) - Overview

<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>
03	(2) MIPS143458.8+333437	NIC3 WFPC2	2	18-Jan-2008 02:34:20.0	yes
04	(2) MIPS143458.8+333437	NIC2 WFPC2	1	18-Jan-2008 02:34:24.0	yes
05	(3) MIPS143324.2+334239	NIC3 WFPC2	2	18-Jan-2008 02:34:32.0	yes
06	(3) MIPS143324.2+334239	NIC2 WFPC2	1	18-Jan-2008 02:34:36.0	yes
07	(4) MIPS143137.1+334500	NIC3 WFPC2	2	18-Jan-2008 02:34:40.0	yes
08	(4) MIPS143137.1+334500	NIC2 WFPC2	1	18-Jan-2008 02:34:44.0	yes
09	(5) MIPS143349.5+334602	NIC3 WFPC2	2	18-Jan-2008 02:34:49.0	yes
10	(5) MIPS143349.5+334602	NIC2 WFPC2	1	18-Jan-2008 02:34:54.0	yes
11	(6) MIPS143503.3+340243	NIC3 WFPC2	2	18-Jan-2008 02:34:58.0	yes
12	(6) MIPS143503.3+340243	NIC2 WFPC2	1	18-Jan-2008 02:35:02.0	yes
13	(7) MIPS142832.4+340850	NIC3 WFPC2	2	18-Jan-2008 02:35:06.0	yes
14	(7) MIPS142832.4+340850	NIC2 WFPC2	1	18-Jan-2008 02:35:12.0	yes

Proposal 11195 (STScI Edit Number: 0, Created: Friday, January 18, 2008 2:37:18 AM EST) - Overview

<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>
15	(8) MIPS142941.0+340915	NIC3 WFPC2	2	18-Jan-2008 02:35:17.0	yes
16	(8) MIPS142941.0+340915	NIC2 WFPC2	1	18-Jan-2008 02:35:20.0	yes
17	(9) MIPS142951.1+342041	NIC3 WFPC2	2	18-Jan-2008 02:35:25.0	yes
18	(9) MIPS142951.1+342041	NIC2 WFPC2	1	18-Jan-2008 02:35:28.0	yes
19	(10) MIPS143321.8+342502	NIC3 WFPC2	2	18-Jan-2008 02:35:33.0	yes
20	(10) MIPS143321.8+342502	NIC2 WFPC2	1	18-Jan-2008 02:35:36.0	yes
21	(11) MIPS143502.9+342657	NIC3 WFPC2	2	18-Jan-2008 02:35:41.0	yes
22	(11) MIPS143502.9+342657	NIC2 WFPC2	1	18-Jan-2008 02:35:44.0	yes
23	(12) MIPS143152.4+350029	NIC3 WFPC2	2	18-Jan-2008 02:35:48.0	yes
24	(12) MIPS143152.4+350029	NIC2 WFPC2	1	18-Jan-2008 02:35:54.0	yes
25	(13) MIPS142724.9+350823	NIC3 WFPC2	2	18-Jan-2008 02:35:59.0	yes
26	(13) MIPS142724.9+350823	NIC2 WFPC2	1	18-Jan-2008 02:36:02.0	yes

Proposal 11195 (STScI Edit Number: 0, Created: Friday, January 18, 2008 2:37:18 AM EST) - Overview

<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>
27	(14) MIPS143331.9+352027	NIC3 WFPC2	2	18-Jan-2008 02:36:06.0	yes
28	(14) MIPS143331.9+352027	NIC2 WFPC2	1	18-Jan-2008 02:36:10.0	yes
29	(15) MIPS143143.3+324944	NIC3 WFPC2	2	18-Jan-2008 02:36:14.0	yes
30	(15) MIPS143143.3+324944	NIC2 WFPC2	1	18-Jan-2008 02:36:17.0	yes
31	(16) MIPS143020.4+330344	NIC3 WFPC2	2	18-Jan-2008 02:36:22.0	yes
32	(16) MIPS143020.4+330344	NIC2 WFPC2	1	18-Jan-2008 02:36:25.0	yes
33	(17) MIPS142637.3+3333025	NIC3 WFPC2	2	18-Jan-2008 02:36:29.0	yes
34	(17) MIPS142637.3+3333025	NIC2 WFPC2	1	18-Jan-2008 02:36:35.0	yes
35	(18) MIPS143816.6+333700	NIC3 WFPC2	2	18-Jan-2008 02:36:39.0	yes
36	(18) MIPS143816.6+333700	NIC2 WFPC2	1	18-Jan-2008 02:36:43.0	yes
37	(19) MIPS143216.8+335231	NIC3 WFPC2	2	18-Jan-2008 02:36:47.0	yes
38	(19) MIPS143216.8+335231	NIC2 WFPC2	1	18-Jan-2008 02:36:50.0	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>
39	(20) MIPS143028.5+343221	NIC3 WFPC2	2	18-Jan-2008 02:36:54.0	yes
40	(20) MIPS143028.5+343221	NIC2 WFPC2	1	18-Jan-2008 02:36:58.0	yes
41	(21) MIPS143702.0+344631	NIC3 WFPC2	2	18-Jan-2008 02:37:02.0	yes
42	(21) MIPS143702.0+344631	NIC2 WFPC2	1	18-Jan-2008 02:37:05.0	yes
43	(22) MIPS142652.4+345504	NIC3 WFPC2	2	18-Jan-2008 02:37:09.0	yes
44	(22) MIPS142652.4+345504	NIC2 WFPC2	1	18-Jan-2008 02:37:16.0	yes

66 Total Orbits Used

ABSTRACT

The formative phase of some of the most massive galaxies may be extremely luminous, characterized by intense star- and AGN-formation. Till now, few such galaxies have been unambiguously identified at high redshift, and thus far we have been restricted to studying the low-redshift ultraluminous infrared galaxies as possible analogs. We have recently discovered a sample of objects which may indeed represent this early phase in galaxy formation, and are undertaking an extensive multiwavelength study of this population. These objects are optically extremely faint ($R > 26$) but nevertheless bright at mid-infrared wavelengths ($F[24\mu\text{m}] > 0.5$ mJy). Mid-infrared spectroscopy with Spitzer/IRS reveals that they have redshifts $z \sim 2$, implying luminosities

$\sim 1E13$ Lsun. Their mid-IR SEDs fall into two broad, perhaps overlapping, categories. Sources with brighter $F[24\mu\text{m}]$ exhibit power-law SEDs and SiO absorption features in their mid-IR spectra characteristic of AGN, whereas those with fainter $F[24\mu\text{m}]$ show a "bump" characteristic of the redshifted 1.6 μm peak from a stellar population, and PAH emission characteristic of starformation. We have begun obtaining HST images of the

brighter sources in Cycle 15 to obtain identifications and determine kpc-scale morphologies for these galaxies. Here, we aim to target the second class (the "bump" sources) with the goal of determining if these constitute morphologically different objects, or simply a "low-AGN" state of the brighter class. The proposed observations will help us determine whether these objects are merging systems, massive obscured starbursts (with obscuration on kpc scales!) or very reddened (locally obscured) AGN hosted by intrinsically low-luminosity galaxies.

OBSERVING DESCRIPTION

We will be observing 22 extreme high-redshift mid-IR-luminous galaxies. For each object, we will obtain two orbits of WFPC2 F814W observations and a single orbit NICMOS NIC2/F160W observation, comprising a total of 66 orbits.

For the WFPC2 observations, we have 2 orbits per object. In the first orbit, we will take 3 exposures of {700, 600, 600} seconds (plus 180, 140, and 140 seconds overhead, respectively) using the WFPC-LINE pattern with three pointings and a point spacing of 0.3535. The second orbit will have the same parameters, except for a POS_TARG offset of -0.25" in x and +0.25" in y. For both orbits, we will also perform NIC3/F160W parallel observations (704s per exposure). The orientation requirements have been restricted to avoid bright stars in both the WFPC2 and NIC3 apertures and maximize the number of red sequence and other extreme $R-[24]>14$ galaxies without being too restrictive on the schedulability of the observations. In cases where there is a bright star near our primary target, we use a pos_offset to prevent the bright object from falling in the WFPC2 aperture for the specified orientations.

For the NICMOS observations, we have 1 orbit per object. We will take 2 exposures of 1344s each (plus 28s overhead) per orbit using the NIC-SPIRAL-DITH pattern with a point spacing of 0.6375. We will perform CR-SPLIT WFPC2/F814W parallel observations of {400s, 500s, 500s, and 500s} per exposure respectively. Again, we restrict the orientations to avoid bright stars in the WFPC2 fields and to maximize the number of red sequence and $R-[24]>14$ galaxies.

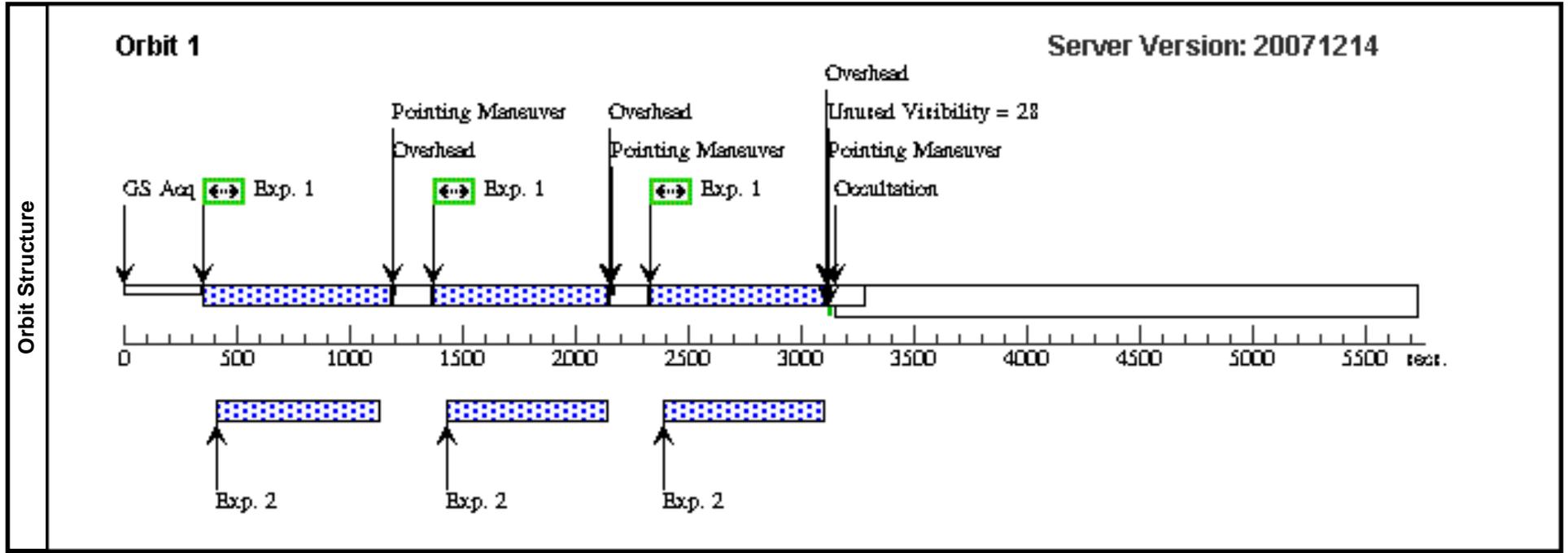
We have carried out a comparison between the NDWFS coordinates and GSC2.2 coordinates for stars in the NDWFS field. We found that the median offsets between the 2 frames to be $(\Delta RA, \Delta DEC) = (0.02, -0.06)$ arcsec (in the sense that the NDWFS astrometric system is east and south of the GSC2.2 astrometric system). This difference is so small that we chose not to apply any correction to the NDWFS.

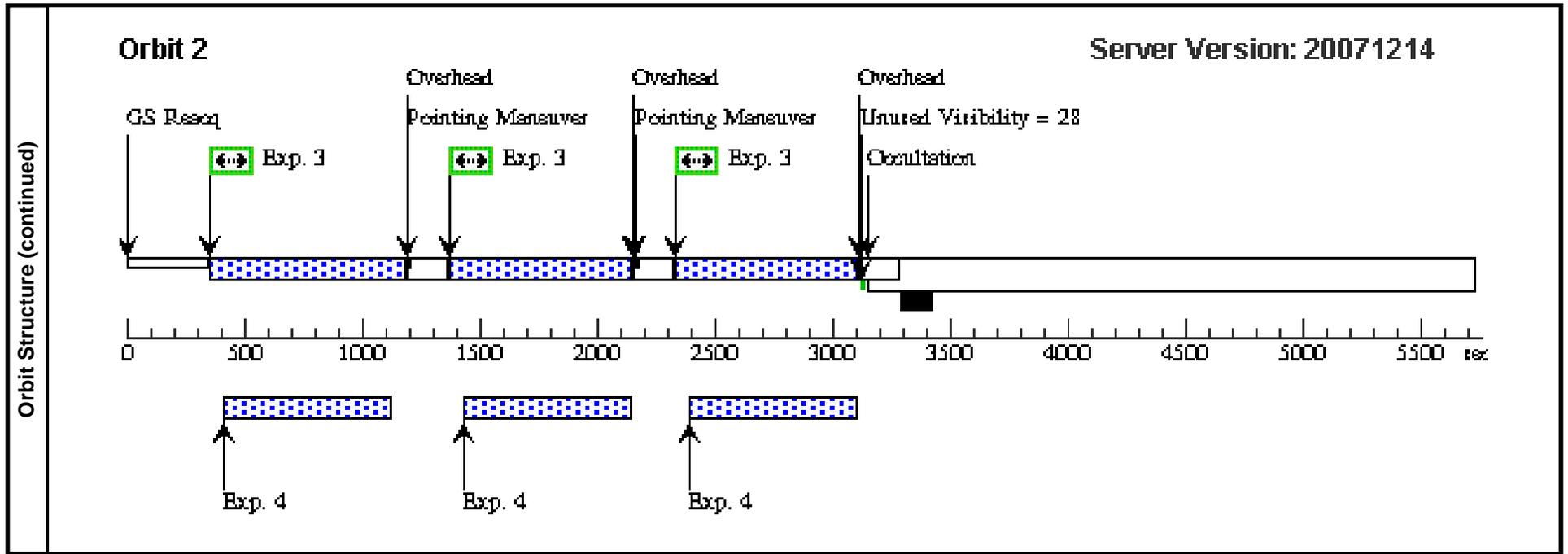
Our primary targets are very faint (i.e., H-band magnitudes of approximately 20-22), likely spatially extended, high-redshift ($z \sim 2$) galaxies and the goals of our proposal require accurate photometry and morphology (cf. page 3 of our science justification). In order to reliably measure photometry and morphological parameters (e.g., image moments, surface brightness profiles, etc.) of low surface brightness faint targets, we need to be able to minimize the sources of detector and background noise. In addition, the observation of each NICMOS target will be obtained over only a single orbit using 2 dithers, which limits our options for rejecting particle events even for perfect low-sky conditions. The increased background associated with SAA passages will adversely affect our observations. For these reasons, we kindly request that our NICMOS observations be obtained during SAA-free orbits.

Proposal 11195 - Visit 01 - Morphologies of the Most Extreme High-Redshift Mid-IR-luminous Galaxies II: The 'Bump' So...

Fri Jan 18 07:37:19 GMT 2008

Visit		Proposal 11195, Visit 01, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2, NIC3 Special Requirements: ORIENT 190.0D TO 335.0 D								
Patterns	#	Primary Pattern			Secondary Pattern		Exposures			
	(1)	Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.3535 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false				(1-2), (3-4)			
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	MIPS142920.1+333023 Alt Name1: Z2BUMP170	RA: 14 29 20.1379 (217.3339079d) Dec: +33 30 23.62 (33.50656d) Equinox: J2000		V=(?) R = 24.58	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	z2bump170_1	(1) MIPS142920.1+333023	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Group 1-2	600.0 Secs [==>700.0 Secs (Pattern 1)] [==>600.0 Secs (Pattern 2)] [==>600.0 Secs (Pattern 3)]	[1]
	2	z2bump170_1p	(1) MIPS142920.1+333023	NIC3, MULTIACCUM, NIC3	F160W	NSAMP=13; SAMP-SEQ=SPAR S64		Pattern 1-2 (1) Prime + Parallel Group 1-2	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	3	z2bump170_2	(1) MIPS142920.1+333023	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO	POS TARG -0.25,0.25	Pattern 3-4 (1) Prime + Parallel Group 3-4	700.0 Secs [==>700.0 Secs (Pattern 1)] [==>600.0 Secs (Pattern 2)] [==>600.0 Secs (Pattern 3)]	[2]
4	z2bump170_2p	(1) MIPS142920.1+333023	NIC3, MULTIACCUM, NIC3	F160W	NSAMP=13; SAMP-SEQ=SPAR S64		Pattern 3-4 (1) Prime + Parallel Group 3-4	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[2]	

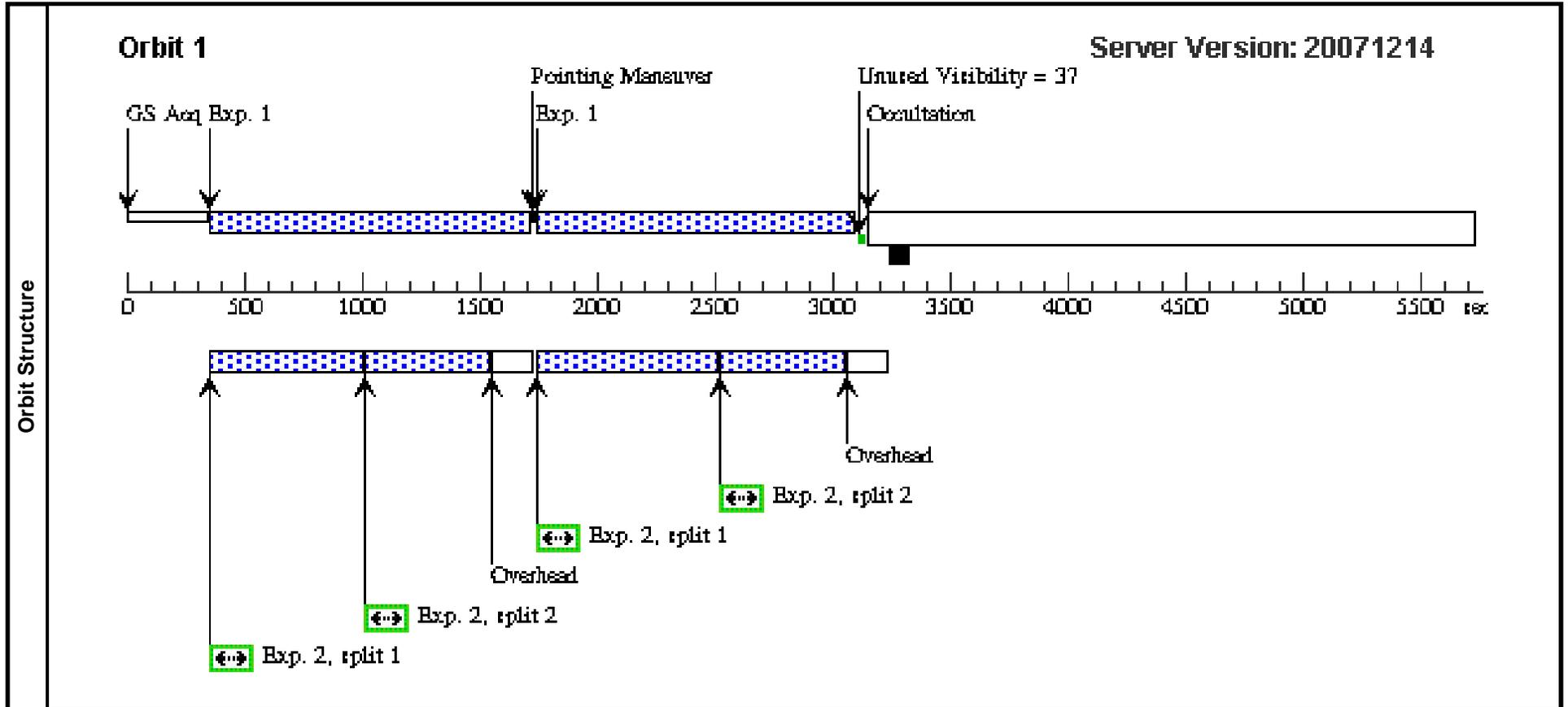




Proposal 11195 - Visit 02 - Morphologies of the Most Extreme High-Redshift Mid-IR-luminous Galaxies II: The 'Bump' So...

Fri Jan 18 07:37:21 GMT 2008

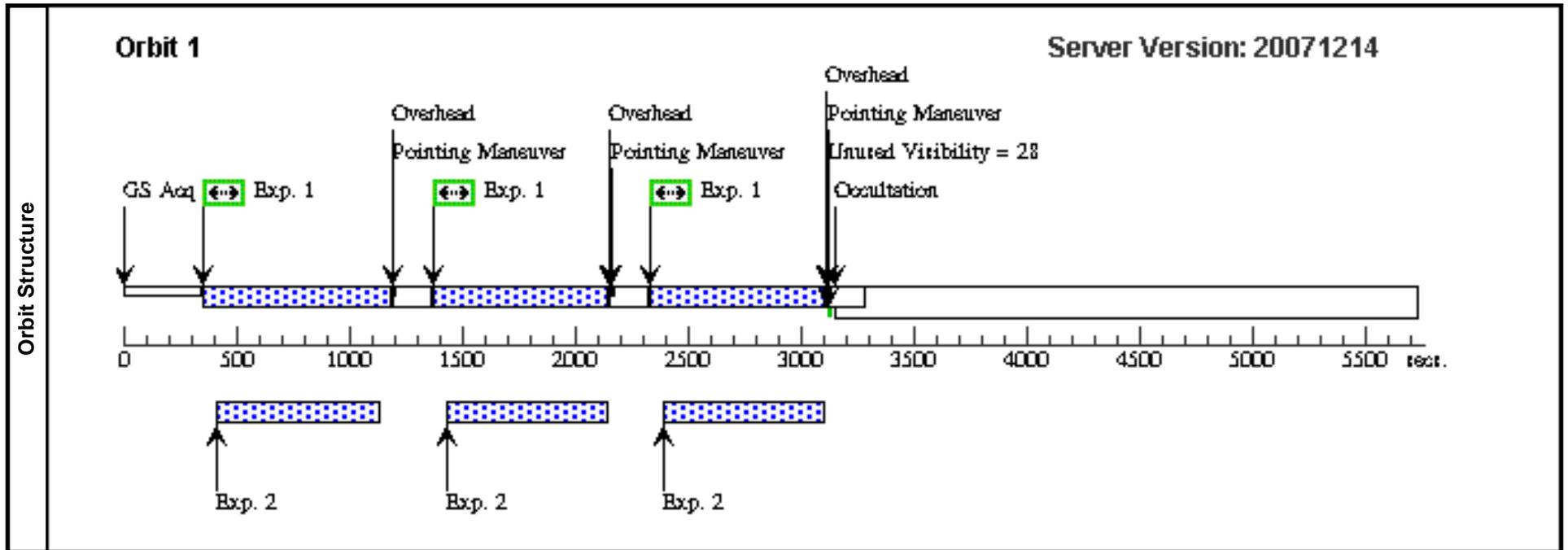
Visit	Proposal 11195, Visit 02, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: NIC2, WFPC2 Special Requirements: ORIENT 70.0D TO 200.0 D; ORIENT 275.0D TO 40.0 D										
	Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
		(2)	Pattern Type=NIC-SPIRAL-DITH	Coordinate Frame=POS-TARG							(1-2)
		Purpose=DITHER	Pattern Orientation=0.0								
		Number Of Points=2	Angle Between Sides=								
		Point Spacing=0.6375	Center Pattern=false								
		Line Spacing=									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(1)	MIPS142920.1+333023	RA: 14 29 20.1379 (217.3339079d)			V=(?)		Reference Frame: ICRS			
		Alt Name1: Z2BUMP170	Dec: +33 30 23.62 (33.50656d)			R = 24.58					
			Equinox: J2000								
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	z2bump170_3	(1) MIPS142920.1+333023	NIC2, MULTIACCUM, NIC2	F160W	NSAMP=23; SAMP-SEQ=SPAR S64		Pattern 1-2 (2) Prime + Parallel Group 1-2	[==>(Pattern 1)] [==>(Pattern 2)]	[1]	
	2	z2bump170_3p	(1) MIPS142920.1+333023	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=0.55		Pattern 1-2 (2) Prime + Parallel Group 1-2	1500.0 Secs [==>400.0 Secs (Pattern 1, Split 1)] [==>500.0 Secs (Pattern 1, Split 2)] [==>500.0 Secs (Pattern 2, Split 1)] [==>500.0 Secs (Pattern 2, Split 2)]	[1]	

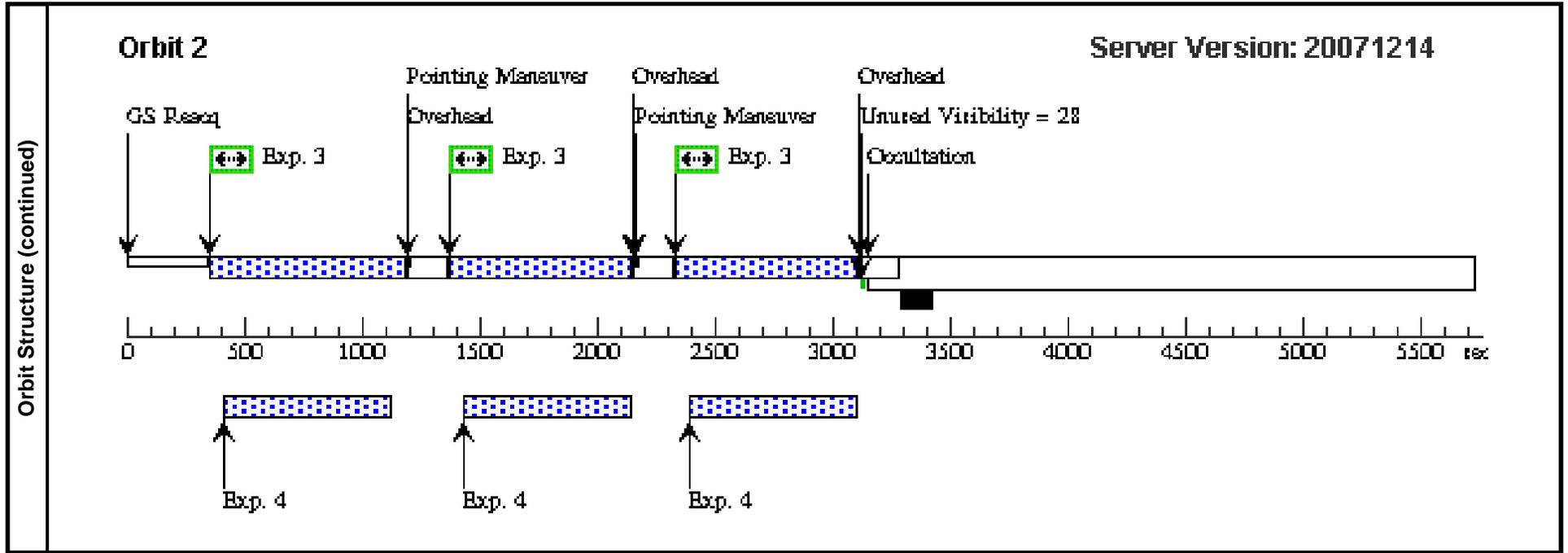


Proposal 11195 - Visit 03 - Morphologies of the Most Extreme High-Redshift Mid-IR-luminous Galaxies II: The 'Bump' So...

Fri Jan 18 07:37:21 GMT 2008

Visit		Proposal 11195, Visit 03, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2, NIC3 Special Requirements: ORIENT 250.0D TO 0.0 D; ORIENT 40.0D TO 90.0 D								
Patterns	#	Primary Pattern			Secondary Pattern		Exposures			
	(1)	Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.3535 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false					(1-2), (3-4)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	MIPS143458.8+333437 Alt Name1: Z2BUMP186	RA: 14 34 58.8843 (218.7453512d) Dec: +33 34 37.63 (33.57712d) Equinox: J2000		V=(?) R = 24.65	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	Z2BUMP18_6_1	(2) MIPS143458.8+333437	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Group 1-2	700.0 Secs [==>700.0 Secs (Pattern 1)] [==>600.0 Secs (Pattern 2)] [==>600.0 Secs (Pattern 3)]	[1]
	2	z2bump186_1p	(2) MIPS143458.8+333437	NIC3, MULTIACCUM, NIC3	F160W	NSAMP=13; SAMP-SEQ=SPAR S64		Pattern 1-2 (1) Prime + Parallel Group 1-2	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	3	Z2BUMP18_6_2	(2) MIPS143458.8+333437	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO	POS TARG -0.25,0.25	Pattern 3-4 (1) Prime + Parallel Group 3-4	700.0 Secs [==>700.0 Secs (Pattern 1)] [==>600.0 Secs (Pattern 2)] [==>600.0 Secs (Pattern 3)]	[2]
4	z2bump186_2p	(2) MIPS143458.8+333437	NIC3, MULTIACCUM, NIC3	F160W	NSAMP=13; SAMP-SEQ=SPAR S64		Pattern 3-4 (1) Prime + Parallel Group 3-4	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[2]	

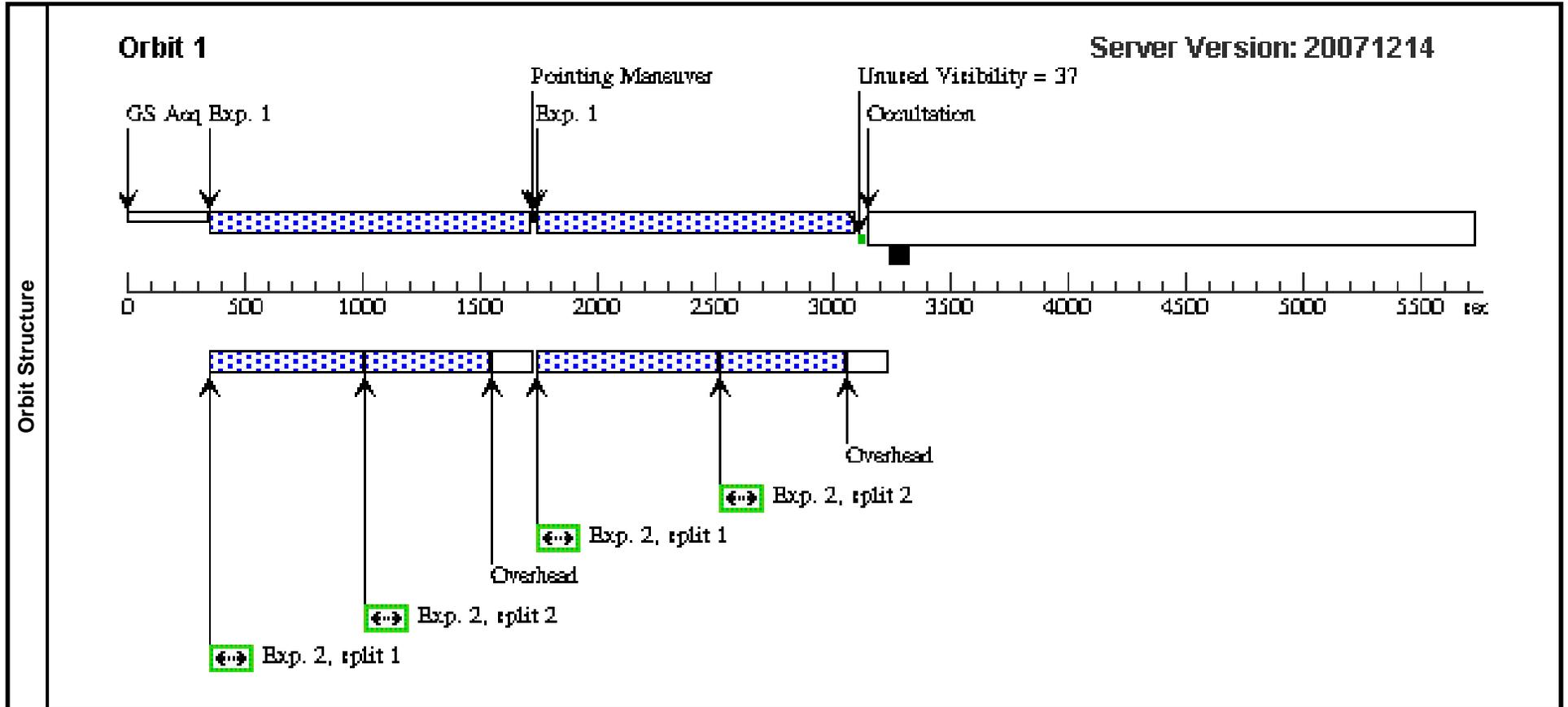




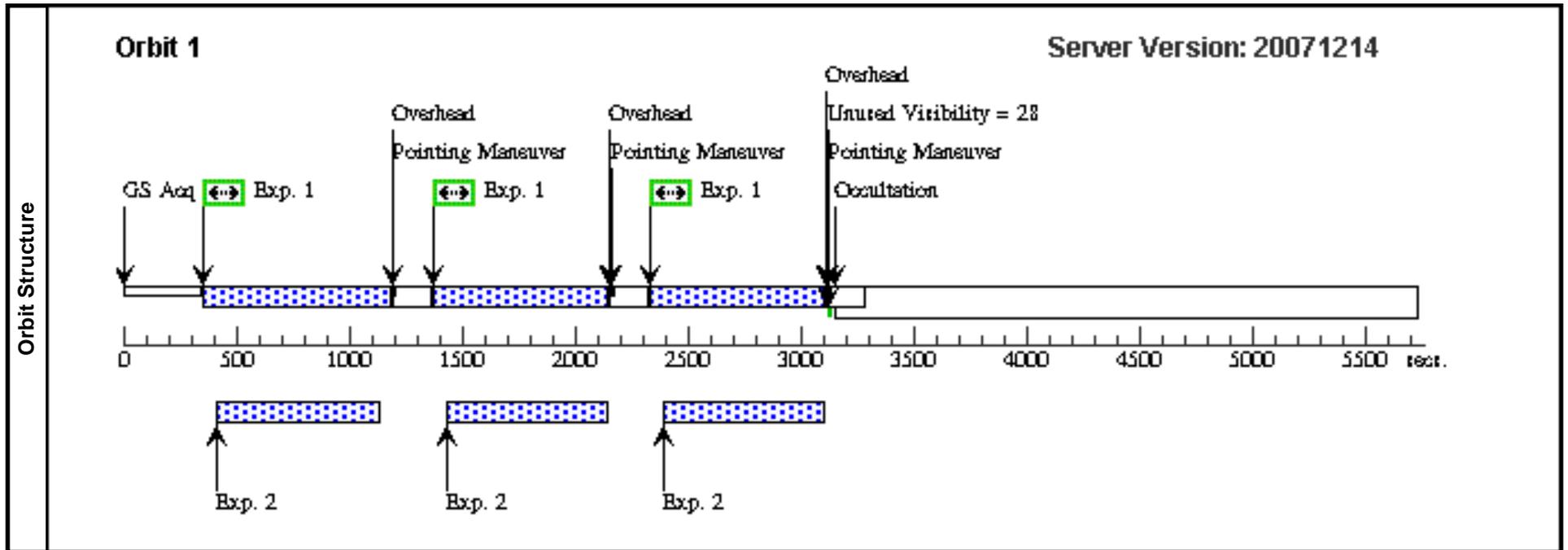
Proposal 11195 - Visit 04 - Morphologies of the Most Extreme High-Redshift Mid-IR-luminous Galaxies II: The 'Bump' So...

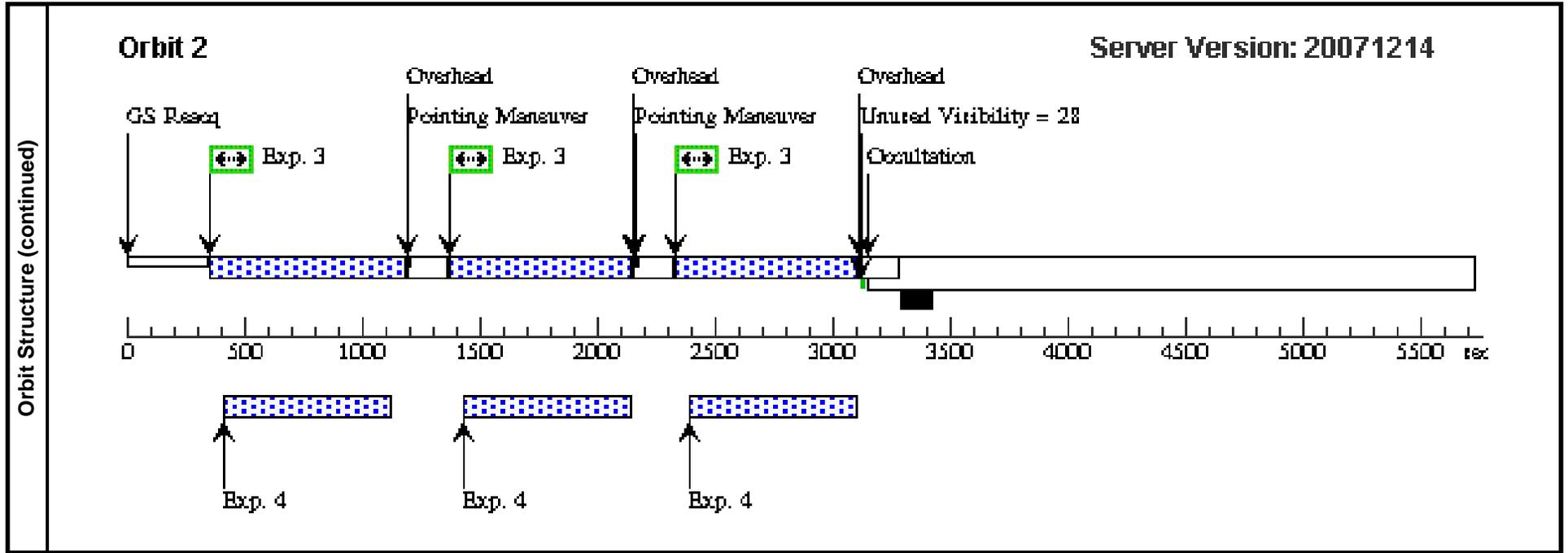
Fri Jan 18 07:37:22 GMT 2008

Visit	Proposal 11195, Visit 04, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: NIC2, WFPC2 Special Requirements: ORIENT 8.0D TO 250.0 D; ORIENT 280.0D TO 340.0 D										
	Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
		(2)	Pattern Type=NIC-SPIRAL-DITH	Coordinate Frame=POS-TARG							(1-2)
		Purpose=DITHER	Pattern Orientation=0.0								
		Number Of Points=2	Angle Between Sides=								
		Point Spacing=0.6375	Center Pattern=false								
		Line Spacing=									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(2)	MIPS143458.8+333437	RA: 14 34 58.8843 (218.7453512d)			V=?)		Reference Frame: ICRS			
		Alt Name1: Z2BUMP186	Dec: +33 34 37.63 (33.57712d)			R = 24.65					
			Equinox: J2000								
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	Z2BUMP18_6_3	(2) MIPS143458.8+333437	NIC2, MULTIACCUM, NIC2	F160W	NSAMP=23; SAMP-SEQ=SPAR S64		Pattern 1-2 (2) Prime + Parallel Group 1-2	[==>(Pattern 1)] [==>(Pattern 2)]	[1]	
	2	Z2BUMP18_6_3p	(2) MIPS143458.8+333437	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=.55		Pattern 1-2 (2) Prime + Parallel Group 1-2	1500.0 Secs [==>400.0 Secs (Pattern 1, Split 1)] [==>500.0 Secs (Pattern 1, Split 2)] [==>500.0 Secs (Pattern 2, Split 1)] [==>500.0 Secs (Pattern 2, Split 2)]	[1]	



Visit		Proposal 11195, Visit 05, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2, NIC3 Special Requirements: ORIENT 144.0D TO 20.0 D								
Patterns	#	Primary Pattern		Secondary Pattern		Exposures				
	(1)	Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.3535 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false			(1-2), (3-4)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	MIPS143324.2+334239 Alt Name1: Z2BUMP222	RA: 14 33 24.2590 (218.3510792d) Dec: +33 42 39.65 (33.71101d) Equinox: J2000		V=(?) R = 24.64	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	Z2BUMP22 2_1	(3) MIPS143324.2+3 34239	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Gro up 1-2	700.0 Secs [==>700.0 Secs (Pattern 1)] [==>600.0 Secs (Pattern 2)] [==>600.0 Secs (Pattern 3)]	[1]
	2	Z2BUMP22 2_1p	(3) MIPS143324.2+3 34239	NIC3, MULTIACCUM, NIC3	F160W	NSAMP=13; SAMP-SEQ=SPAR S64		Pattern 1-2 (1) Prime + Parallel Gro up 1-2	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	3	Z2BUMP22 2_2	(3) MIPS143324.2+3 34239	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO	POS TARG -0.25,0. 25	Pattern 3-4 (1) Prime + Parallel Gro up 3-4	700.0 Secs [==>700.0 Secs (Pattern 1)] [==>600.0 Secs (Pattern 2)] [==>600.0 Secs (Pattern 3)]	[2]
4	Z2BUMP22 2_2p	(3) MIPS143324.2+3 34239	NIC3, MULTIACCUM, NIC3	F160W	NSAMP=13; SAMP-SEQ=SPAR S64		Pattern 3-4 (1) Prime + Parallel Gro up 3-4	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[2]	

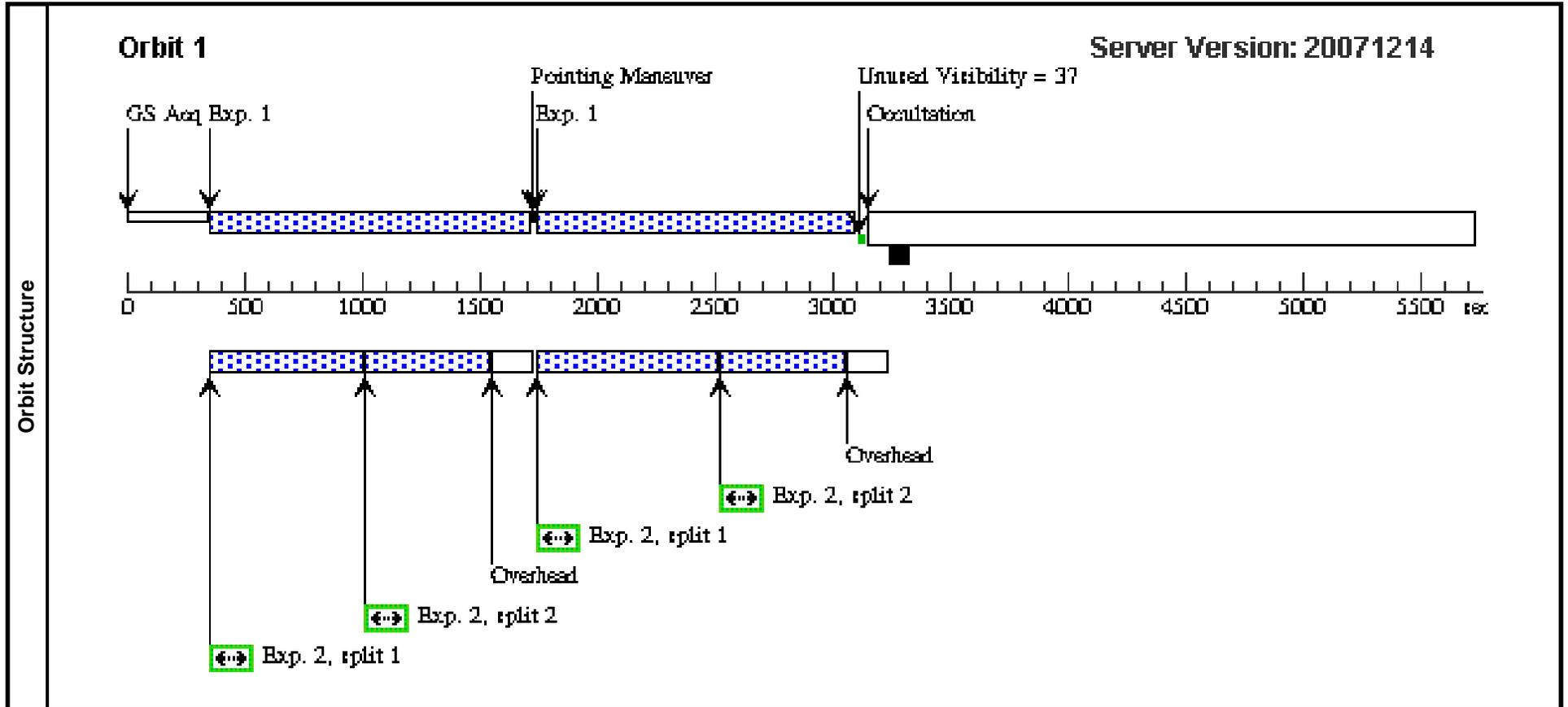




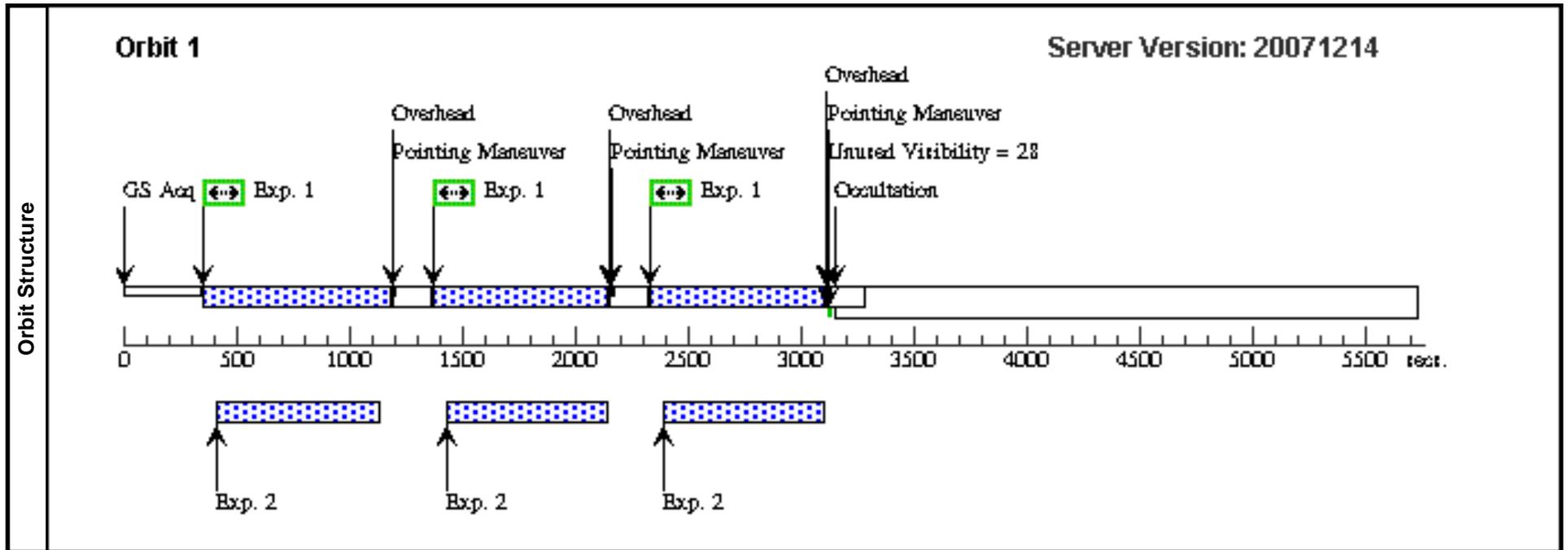
Proposal 11195 - Visit 06 - Morphologies of the Most Extreme High-Redshift Mid-IR-luminous Galaxies II: The 'Bump' So...

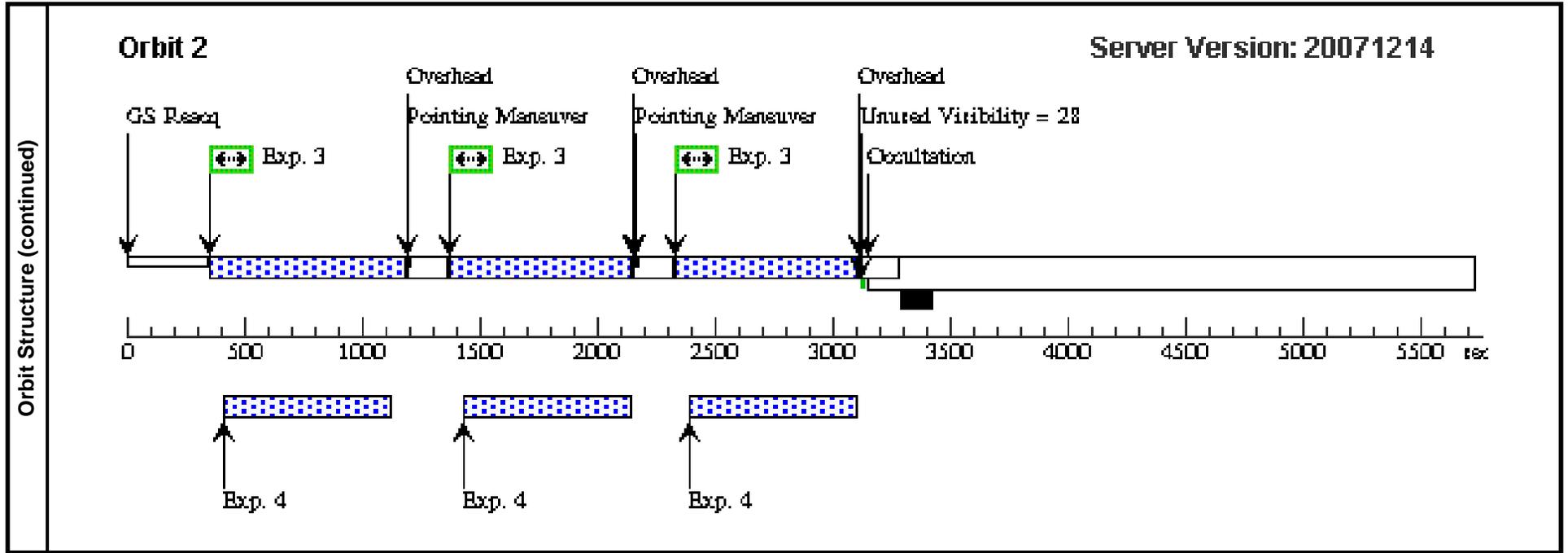
Fri Jan 18 07:37:22 GMT 2008

Visit	Proposal 11195, Visit 06, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: NIC2, WFPC2 Special Requirements: ORIENT 160.0D TO 40.0 D										
	Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
		(2)	Pattern Type=NIC-SPIRAL-DITH	Coordinate Frame=POS-TARG							(1-2)
		Purpose=DITHER	Pattern Orientation=0.0								
		Number Of Points=2	Angle Between Sides=								
		Point Spacing=0.6375	Center Pattern=false								
		Line Spacing=									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(3)	MIPS143324.2+334239	RA: 14 33 24.2590 (218.3510792d)			V=(?)		Reference Frame: ICRS			
		Alt Name1: Z2BUMP222	Dec: +33 42 39.65 (33.71101d)			R = 24.64					
			Equinox: J2000								
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	Z2BUMP22_2_3	(3) MIPS143324.2+334239	NIC2, MULTIACCUM, NIC2	F160W	NSAMP=23; SAMP-SEQ=SPAR S64		Pattern 1-2 (2) Prime + Parallel Group 1-2	[==>(Pattern 1)] [==>(Pattern 2)]	[1]	
	2	Z2BUMP22_2_3p	(3) MIPS143324.2+334239	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=.55	Pattern 1-2 (2) Prime + Parallel Group 1-2	1500.0 Secs [==>400.0 Secs (Pattern 1, Split 1)] [==>500.0 Secs (Pattern 1, Split 2)] [==>500.0 Secs (Pattern 2, Split 1)] [==>500.0 Secs (Pattern 2, Split 2)]	[1]		



Visit		Proposal 11195, Visit 07, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2, NIC3 Special Requirements: ORIENT 200.0D TO 67.0 D								
Patterns	#	Primary Pattern		Secondary Pattern		Exposures				
	(1)	Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.3535 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false			(1-2), (3-4)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(4)	MIPS143137.1+334500 Alt Name1: Z2BUMP232	RA: 14 31 37.1997 (217.9049988d) Dec: +33 45 0.49 (33.75014d) Equinox: J2000		V=(?) R = 24.98	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	Z2BUMP23 2_1	(4) MIPS143137.1+3 34500	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Gro up 1-2	700.0 Secs [==>700.0 Secs (Pattern 1)] [==>600.0 Secs (Pattern 2)] [==>600.0 Secs (Pattern 3)]	[1]
	2	Z2BUMP23 2_1p	(4) MIPS143137.1+3 34500	NIC3, MULTIACCUM, NIC3	F160W	NSAMP=13; SAMP-SEQ=SPAR S64		Pattern 1-2 (1) Prime + Parallel Gro up 1-2	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	3	Z2BUMP23 2_2	(4) MIPS143137.1+3 34500	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO	POS TARG -0.25,0. 25	Pattern 3-4 (1) Prime + Parallel Gro up 3-4	700.0 Secs [==>700.0 Secs (Pattern 1)] [==>600.0 Secs (Pattern 2)] [==>600.0 Secs (Pattern 3)]	[2]
4	Z2BUMP23 2_2p	(4) MIPS143137.1+3 34500	NIC3, MULTIACCUM, NIC3	F160W	NSAMP=13; SAMP-SEQ=SPAR S64		Pattern 3-4 (1) Prime + Parallel Gro up 3-4	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[2]	



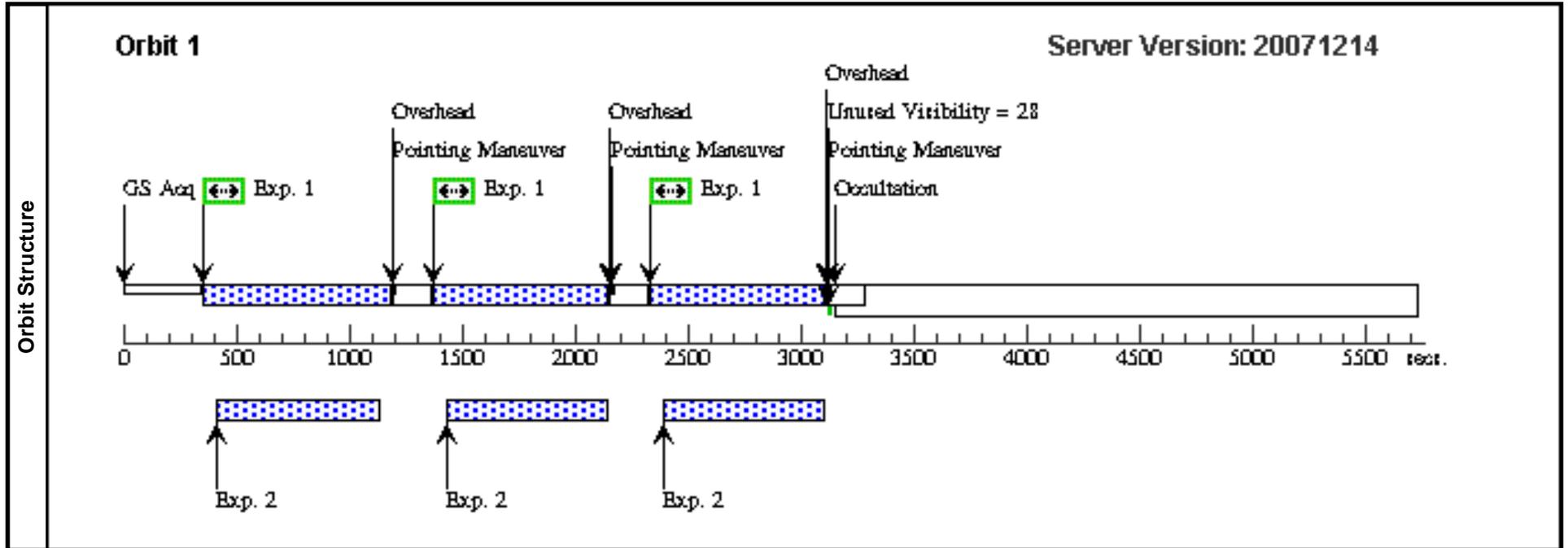


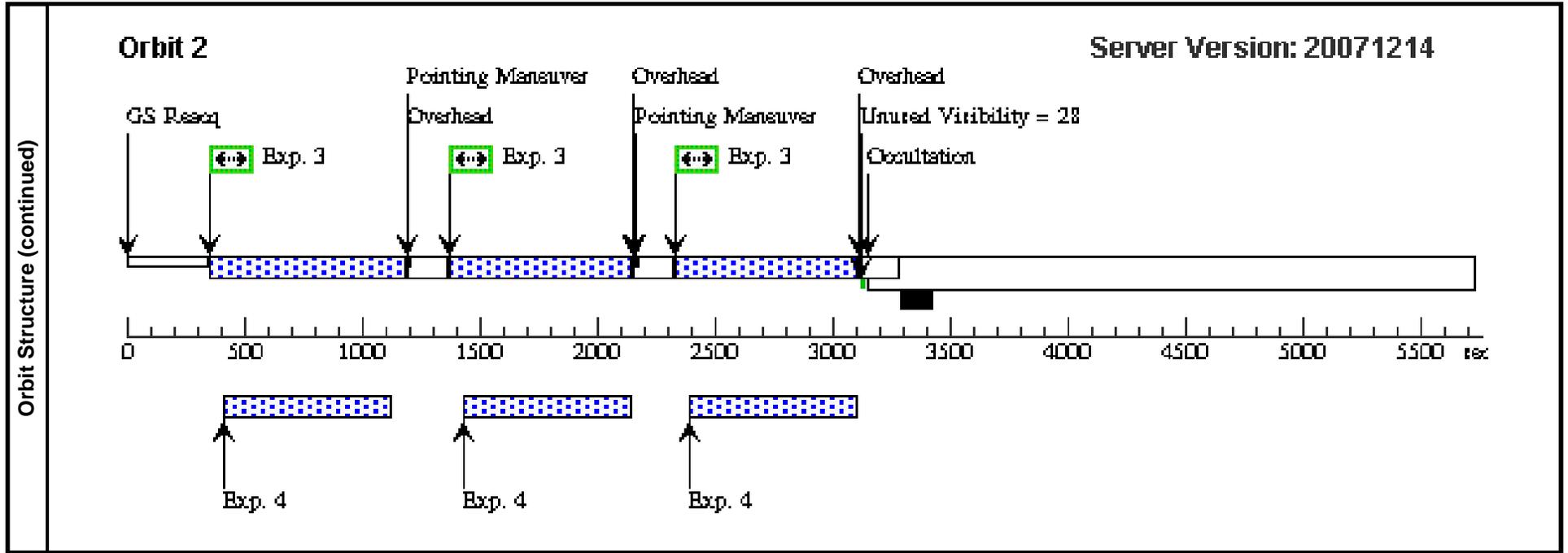
Proposal 11195 - Visit 08 - Morphologies of the Most Extreme High-Redshift Mid-IR-luminous Galaxies II: The 'Bump' So...

Fri Jan 18 07:37:23 GMT 2008

Visit	Proposal 11195, Visit 08, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: NIC2, WFPC2 Special Requirements: ORIENT 220.0D TO 170.0 D										
	Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
		(2)	Pattern Type=NIC-SPIRAL-DITH	Coordinate Frame=POS-TARG							(1-2)
		Purpose=DITHER	Pattern Orientation=0.0								
		Number Of Points=2	Angle Between Sides=								
		Point Spacing=0.6375	Center Pattern=false								
		Line Spacing=									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(4)	MIPS143137.1+334500	RA: 14 31 37.1997	(217.9049988d)			V=(?)		Reference Frame: ICRS		
		Alt Name1: Z2BUMP232	Dec: +33 45 0.49	(33.75014d)			R = 24.98				
			Equinox: J2000								
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	Z2BUMP23 2_3	(4) MIPS143137.1+3 34500	NIC2, MULTIACCUM, NIC2	F160W	NSAMP=23; SAMP-SEQ=SPAR S64		Pattern 1-2 (2) Prime + Parallel Gro up 1-2	[==>(Pattern 1)] [==>(Pattern 2)]		[1]
	2	Z2BUMP23 2_3p	(4) MIPS143137.1+3 34500	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=.55		Pattern 1-2 (2) Prime + Parallel Gro up 1-2	1500.0 Secs [==>400.0 Secs (Pattern 1, Split 1)] [==>500.0 Secs (Pattern 1, Split 2)] [==>500.0 Secs (Pattern 2, Split 1)] [==>500.0 Secs (Pattern 2, Split 2)]		[1]

Visit		Proposal 11195, Visit 09, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2, NIC3 Special Requirements: ORIENT 50.0D TO 235.0 D; ORIENT 295.0D TO 325.0 D								
Patterns	#	Primary Pattern		Secondary Pattern		Exposures				
	(1)	Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.3535 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false			(1-2), (3-4)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(5)	MIPS143349.5+334602 Alt Name1: Z2BUMP241	RA: 14 33 49.5502 (218.4564592d) Dec: +33 46 2.02 (33.76723d) Equinox: J2000		V=(?) R = 24.71	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	Z2BUMP24 1_1	(5) MIPS143349.5+3 34602	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Gro up 1-2	700.0 Secs [==>700.0 Secs (Pattern 1)] [==>600.0 Secs (Pattern 2)] [==>600.0 Secs (Pattern 3)]	[1]
	2	Z2BUMP24 1_1p	(5) MIPS143349.5+3 34602	NIC3, MULTIACCUM, NIC3	F160W	NSAMP=13; SAMP-SEQ=SPAR S64		Pattern 1-2 (1) Prime + Parallel Gro up 1-2	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	3	Z2BUMP24 1_2	(5) MIPS143349.5+3 34602	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO	POS TARG -0.25,0. 25	Pattern 3-4 (1) Prime + Parallel Gro up 3-4	700.0 Secs [==>700.0 Secs (Pattern 1)] [==>600.0 Secs (Pattern 2)] [==>600.0 Secs (Pattern 3)]	[2]
4	Z2BUMP24 1_2p	(5) MIPS143349.5+3 34602	NIC3, MULTIACCUM, NIC3	F160W	NSAMP=13; SAMP-SEQ=SPAR S64		Pattern 3-4 (1) Prime + Parallel Gro up 3-4	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[2]	

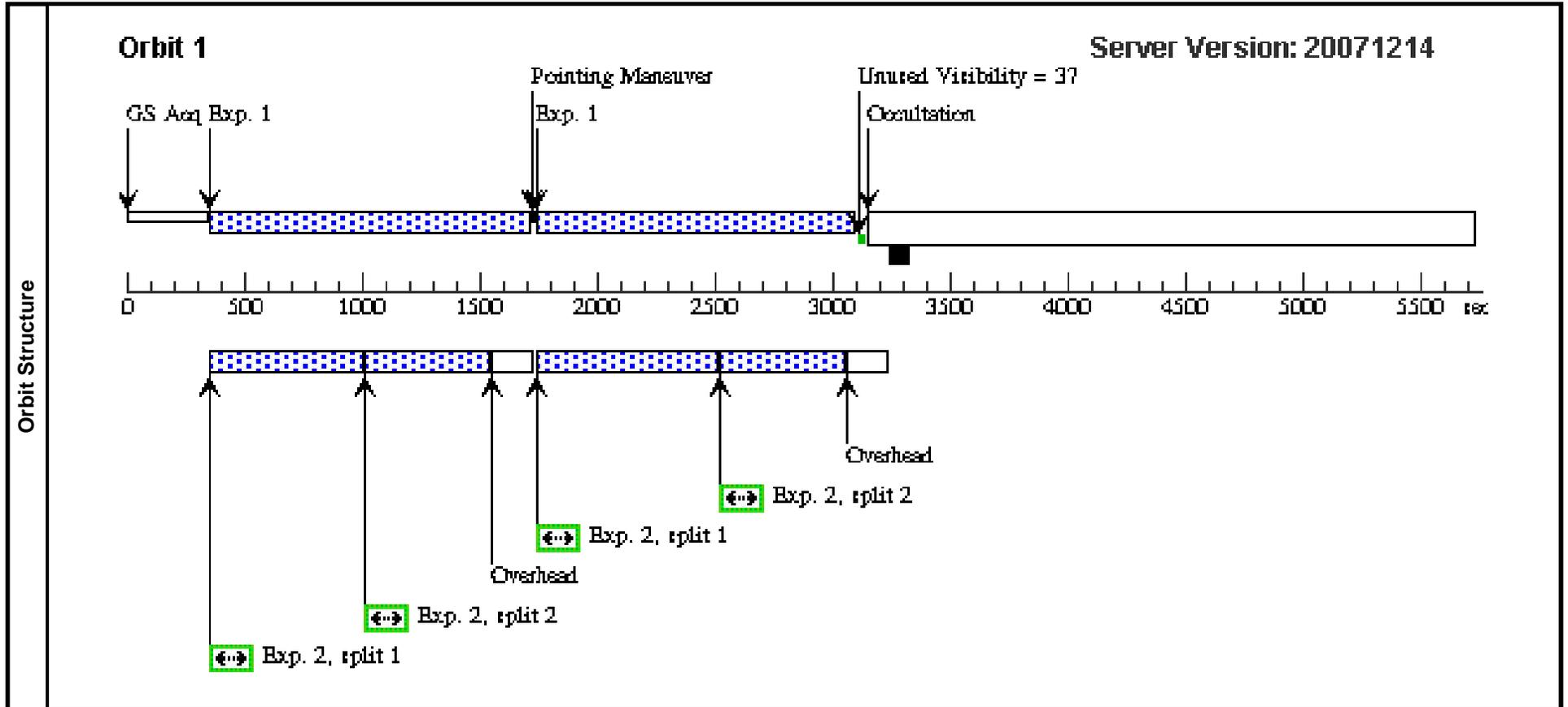




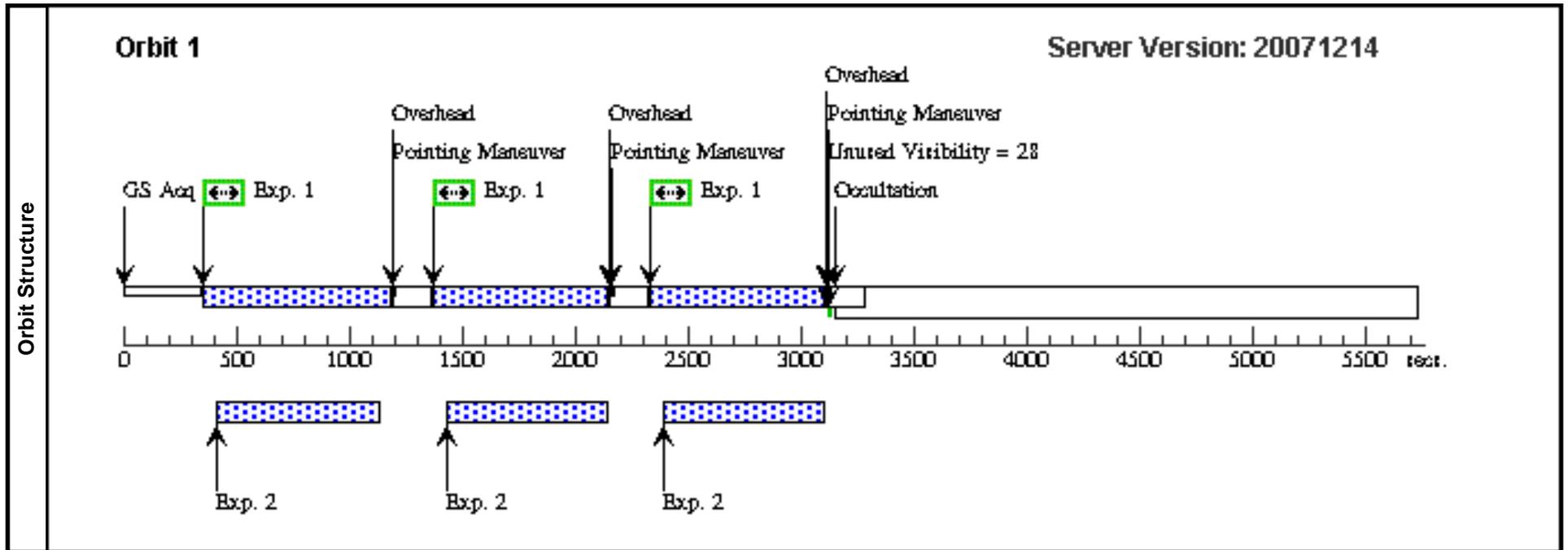
Proposal 11195 - Visit 10 - Morphologies of the Most Extreme High-Redshift Mid-IR-luminous Galaxies II: The 'Bump' So...

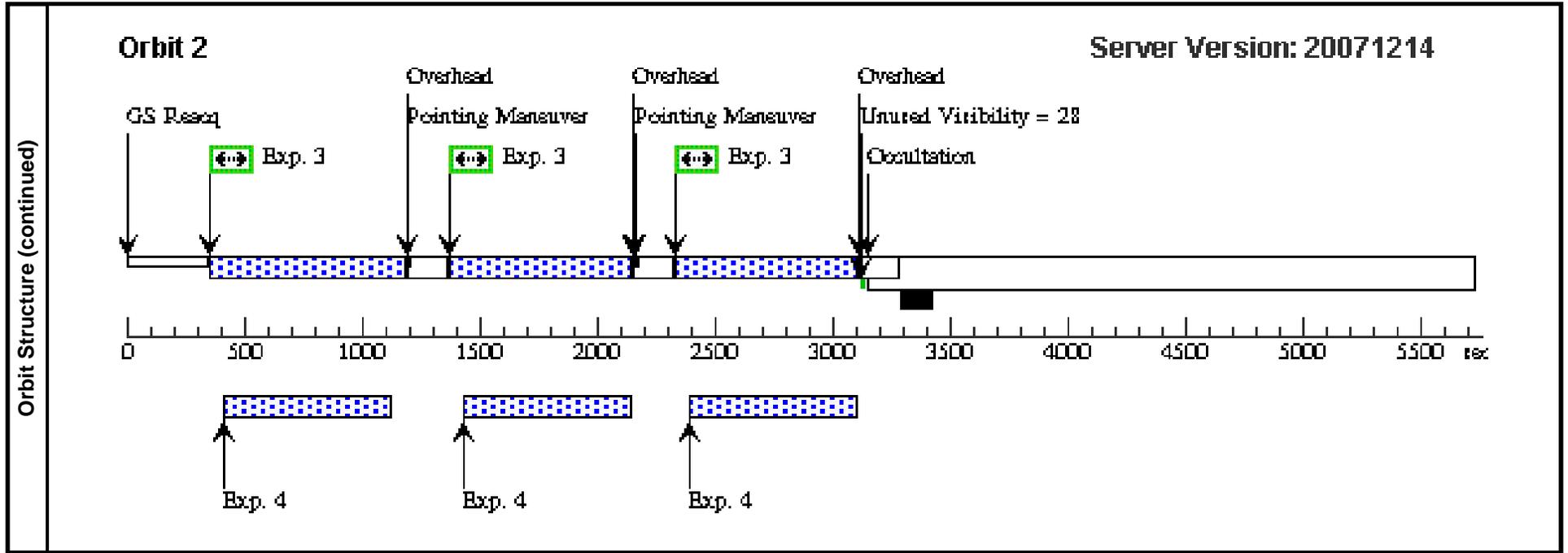
Fri Jan 18 07:37:24 GMT 2008

Visit	Proposal 11195, Visit 10, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: NIC2, WFPC2 Special Requirements: ORIENT 260.0D TO 55.0 D; ORIENT 95.0D TO 105.0 D; ORIENT 137.0D TO 220.0 D										
	Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
		(2)	Pattern Type=NIC-SPIRAL-DITH	Coordinate Frame=POS-TARG							(1-2)
		Purpose=DITHER	Pattern Orientation=0.0								
		Number Of Points=2	Angle Between Sides=								
		Point Spacing=0.6375	Center Pattern=false								
		Line Spacing=									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(5)	MIPS143349.5+334602	RA: 14 33 49.5502 (218.4564592d)				V=(?)		Reference Frame: ICRS		
		Alt Name1: Z2BUMP241	Dec: +33 46 2.02 (33.76723d)				R = 24.71				
			Equinox: J2000								
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	Z2BUMP24 1_3	(5) MIPS143349.5+3 34602	NIC2, MULTIACCUM, NIC2	F160W	NSAMP=23; SAMP-SEQ=SPAR S64		Pattern 1-2 (2) Prime + Parallel Gro up 1-2	[==>(Pattern 1)] [==>(Pattern 2)]		[1]
	2	Z2BUMP24 1_3p	(5) MIPS143349.5+3 34602	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=.55		Pattern 1-2 (2) Prime + Parallel Gro up 1-2	1500.0 Secs [==>400.0 Secs (Pattern 1, Split 1)] [==>500.0 Secs (Pattern 1, Split 2)] [==>500.0 Secs (Pattern 2, Split 1)] [==>500.0 Secs (Pattern 2, Split 2)]	[1]	



Visit		Proposal 11195, Visit 11, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2, NIC3 Special Requirements: ORIENT 250.0D TO 35.0 D								
Patterns	#	Primary Pattern			Secondary Pattern		Exposures			
	(1)	Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.3535 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false			(1-2), (3-4)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(6)	MIPS143503.3+340243 Alt Name1: Z2BUMP307	RA: 14 35 3.3435 (218.7639312d) Dec: +34 02 43.68 (34.04547d) Equinox: J2000		V=(?) R = 24.99	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	Z2BUMP30 7_1	(6) MIPS143503.3+3 40243	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Gro up 1-2	700.0 Secs [==>700.0 Secs (Pattern 1)] [==>600.0 Secs (Pattern 2)] [==>600.0 Secs (Pattern 3)]	[1]
	2	Z2BUMP30 7_1p	(6) MIPS143503.3+3 40243	NIC3, MULTIACCUM, NIC3	F160W	NSAMP=13; SAMP-SEQ=SPAR S64		Pattern 1-2 (1) Prime + Parallel Gro up 1-2	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	3	Z2BUMP30 7_2	(6) MIPS143503.3+3 40243	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO	POS TARG -0.25,0. 25	Pattern 3-4 (1) Prime + Parallel Gro up 3-4	700.0 Secs [==>700.0 Secs (Pattern 1)] [==>600.0 Secs (Pattern 2)] [==>600.0 Secs (Pattern 3)]	[2]
4	Z2BUMP30 7_2p	(6) MIPS143503.3+3 40243	NIC3, MULTIACCUM, NIC3	F160W	NSAMP=13; SAMP-SEQ=SPAR S64		Pattern 3-4 (1) Prime + Parallel Gro up 3-4	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[2]	

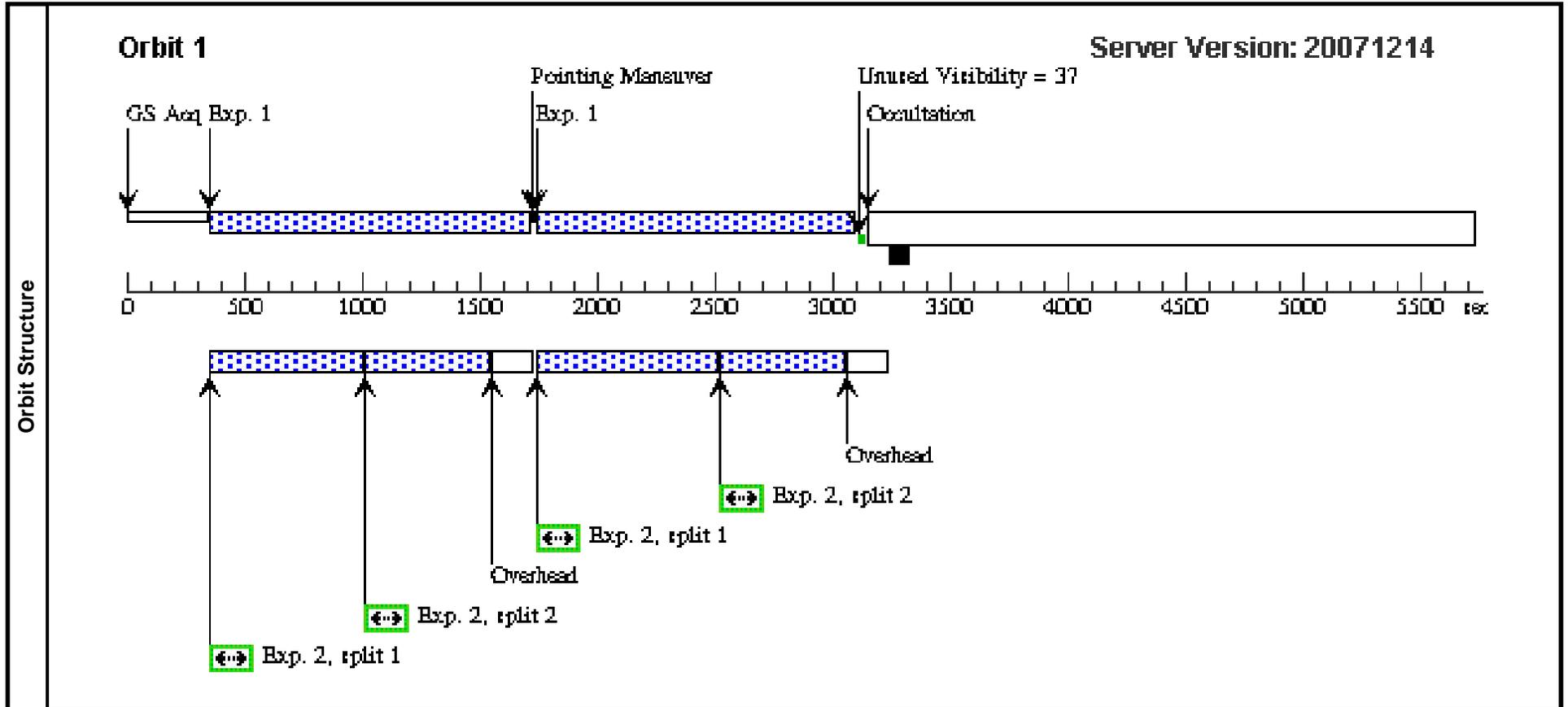




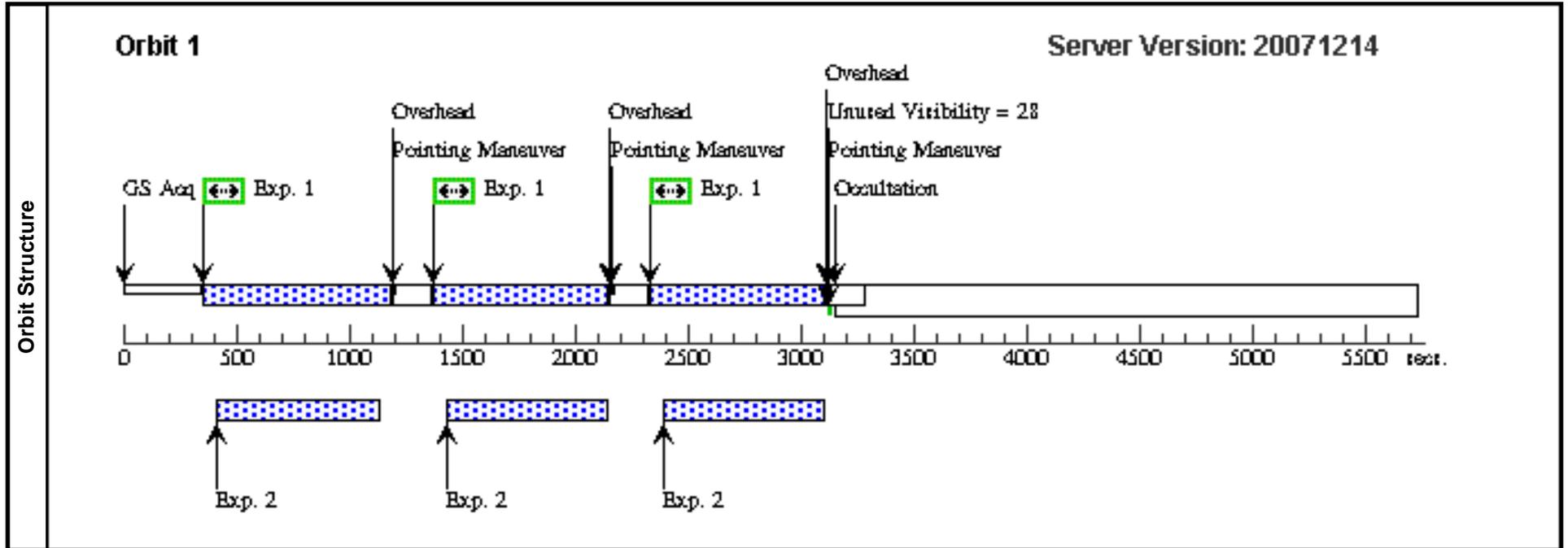
Proposal 11195 - Visit 12 - Morphologies of the Most Extreme High-Redshift Mid-IR-luminous Galaxies II: The 'Bump' So...

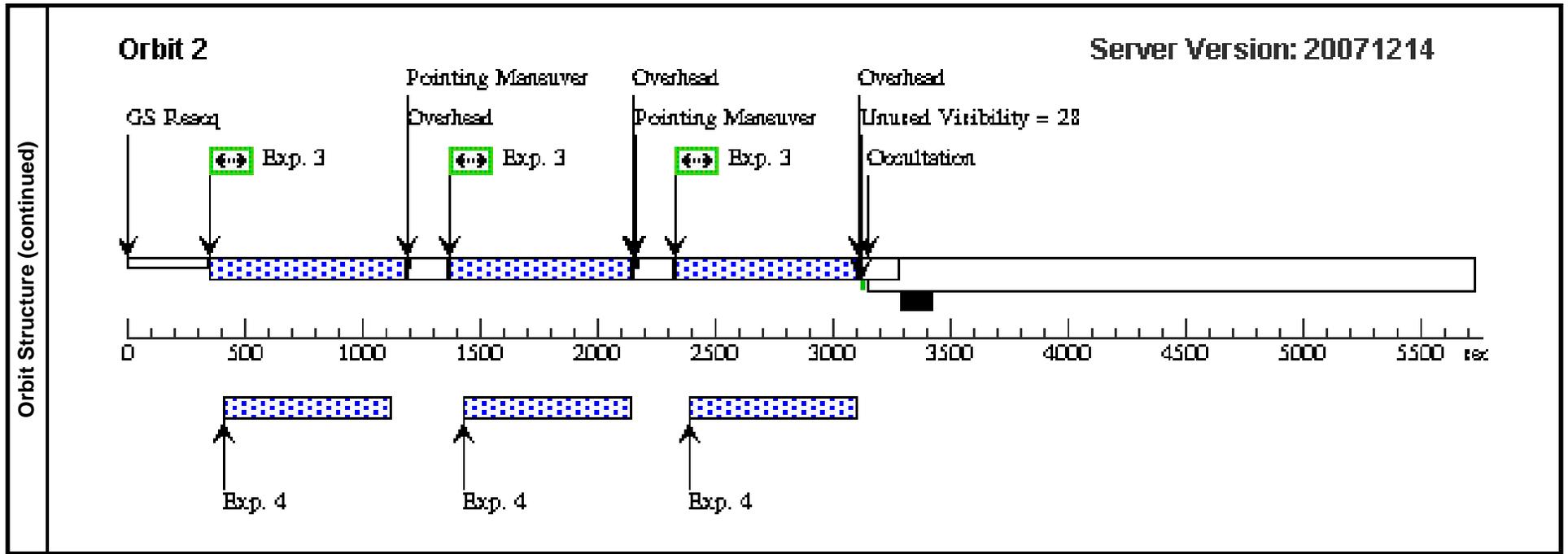
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Visit		Proposal 11195, Visit 12, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: NIC2, WFPC2 Special Requirements: ORIENT 182.0D TO 5.0 D; ORIENT 36.0D TO 149.0 D								
Patterns	#	Primary Pattern		Secondary Pattern			Exposures			
	(2)	Pattern Type=NIC-SPIRAL-DITH Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=0.0 Number Of Points=2 Angle Between Sides= Point Spacing=0.6375 Center Pattern=false Line Spacing=						(1-2)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(6)	MIPS143503.3+340243 Alt Name1: Z2BUMP307	RA: 14 35 3.3435 (218.7639312d) Dec: +34 02 43.68 (34.04547d) Equinox: J2000		V=(?) R = 24.99	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	Z2BUMP30 7_3	(6) MIPS143503.3+3 40243	NIC2, MULTIACCUM, NIC2	F160W	NSAMP=23; SAMP-SEQ=SPAR S64		Pattern 1-2 (2) Prime + Parallel Gro up 1-2	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
2	Z2BUMP30 7_3p	(6) MIPS143503.3+3 40243	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=.55		Pattern 1-2 (2) Prime + Parallel Gro up 1-2	1500.0 Secs [==>400.0 Secs (Pattern 1, Split 1)] [==>500.0 Secs (Pattern 1, Split 2)] [==>500.0 Secs (Pattern 2, Split 1)] [==>500.0 Secs (Pattern 2, Split 2)]	[1]	



Visit		Proposal 11195, Visit 13, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2, NIC3 Special Requirements: ORIENT 80.0D TO 250.0 D								
Patterns	#	Primary Pattern		Secondary Pattern		Exposures				
	(1)	Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.3535 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false			(1-2), (3-4)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(7)	MIPS142832.4+340850 Alt Name1: Z2BUMP325	RA: 14 28 32.4370 (217.1351542d) Dec: +34 08 50.18 (34.14727d) Equinox: J2000		V=(?) R = 24.53	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	Z2BUMP32 5_1	(7) MIPS142832.4+3 40850	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Gro up 1-2	700.0 Secs [==>700.0 Secs (Pattern 1)] [==>600.0 Secs (Pattern 2)] [==>600.0 Secs (Pattern 3)]	[1]
	2	Z2BUMP32 5_1p	(7) MIPS142832.4+3 40850	NIC3, MULTIACCUM, NIC3	F160W	NSAMP=13; SAMP-SEQ=SPAR S64		Pattern 1-2 (1) Prime + Parallel Gro up 1-2	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	3	Z2BUMP32 5_2	(7) MIPS142832.4+3 40850	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO	POS TARG -0.25,0. 25	Pattern 3-4 (1) Prime + Parallel Gro up 3-4	700.0 Secs [==>700.0 Secs (Pattern 1)] [==>600.0 Secs (Pattern 2)] [==>600.0 Secs (Pattern 3)]	[2]
4	Z2BUMP32 5_2p	(7) MIPS142832.4+3 40850	NIC3, MULTIACCUM, NIC3	F160W	NSAMP=13; SAMP-SEQ=SPAR S64		Pattern 3-4 (1) Prime + Parallel Gro up 3-4	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[2]	

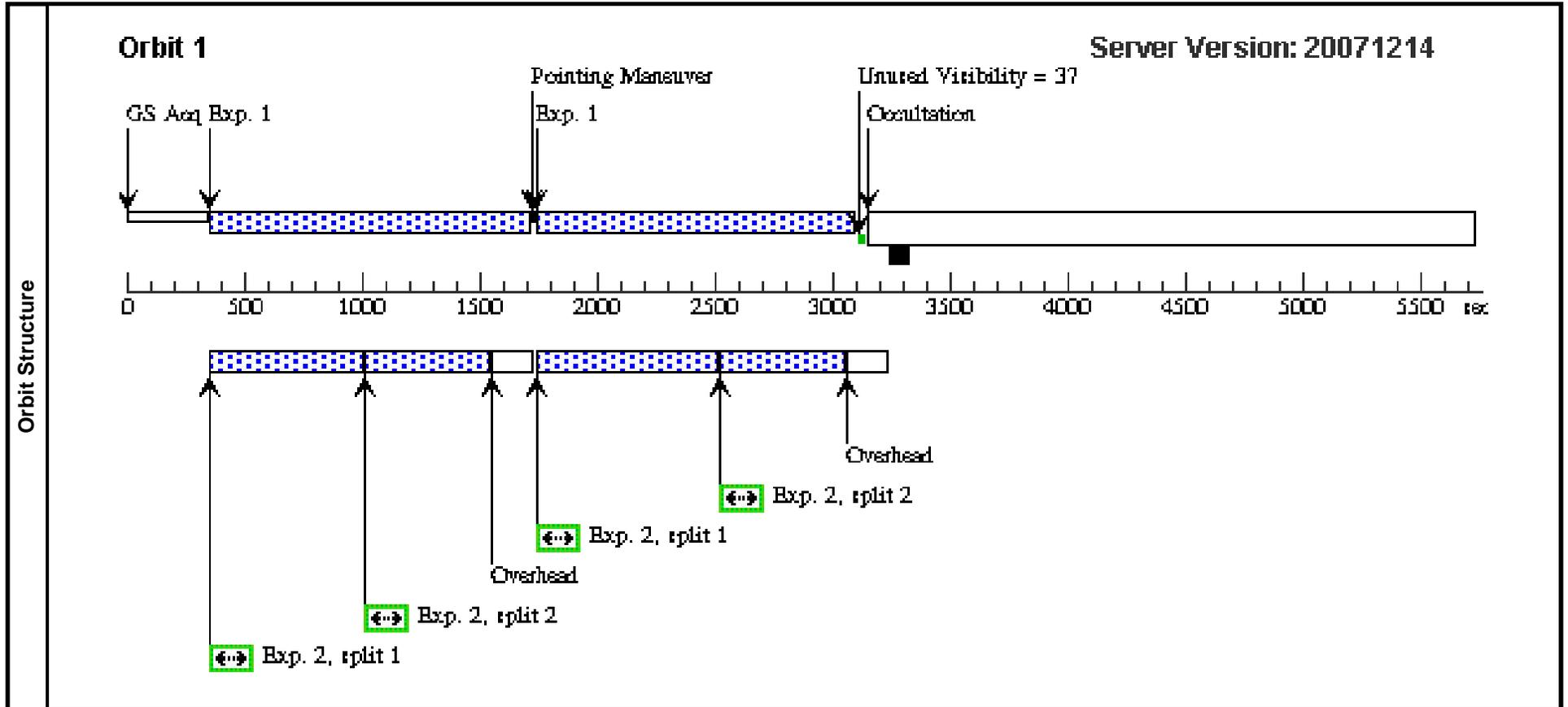




Proposal 11195 - Visit 14 - Morphologies of the Most Extreme High-Redshift Mid-IR-luminous Galaxies II: The 'Bump' So...

Fri Jan 18 07:37:26 GMT 2008

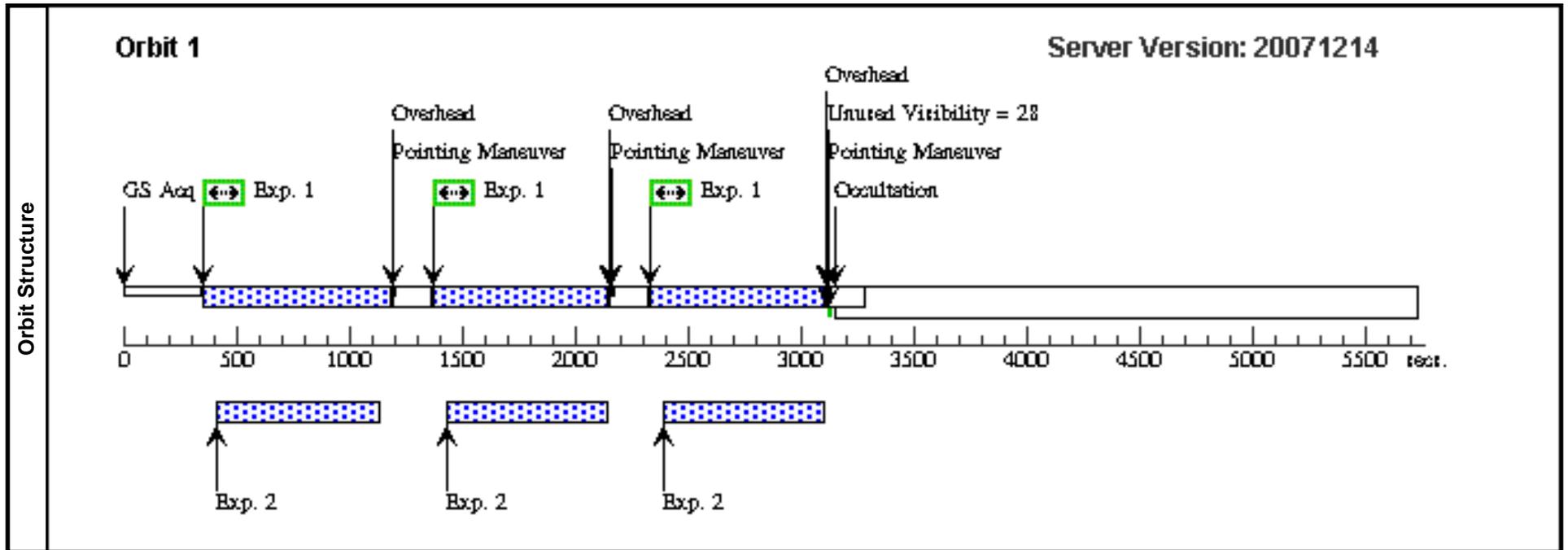
Visit	Proposal 11195, Visit 14, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: NIC2, WFPC2 Special Requirements: ORIENT 205.0D TO 290.0 D; ORIENT 355.0D TO 140.0 D										
	Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
		(2)	Pattern Type=NIC-SPIRAL-DITH	Coordinate Frame=POS-TARG							(1-2)
		Purpose=DITHER	Pattern Orientation=0.0								
		Number Of Points=2	Angle Between Sides=								
		Point Spacing=0.6375	Center Pattern=false								
		Line Spacing=									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(7)	MIPS142832.4+340850	RA: 14 28 32.4370 (217.1351542d)			V=(?)		Reference Frame: ICRS			
		Alt Name1: Z2BUMP325	Dec: +34 08 50.18 (34.14727d)			R = 24.53					
			Equinox: J2000								
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	Z2BUMP32 5_3	(7) MIPS142832.4+3 40850	NIC2, MULTIACCUM, NIC2	F160W	NSAMP=23; SAMP-SEQ=SPAR S64		Pattern 1-2 (2) Prime + Parallel Gro up 1-2	[==>(Pattern 1)] [==>(Pattern 2)]		[1]
	2	Z2BUMP32 5_3p	(7) MIPS142832.4+3 40850	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=.55		Pattern 1-2 (2) Prime + Parallel Gro up 1-2	1500.0 Secs [==>400.0 Secs (Pattern 1, Split 1)] [==>500.0 Secs (Pattern 1, Split 2)] [==>500.0 Secs (Pattern 2, Split 1)] [==>500.0 Secs (Pattern 2, Split 2)]		[1]

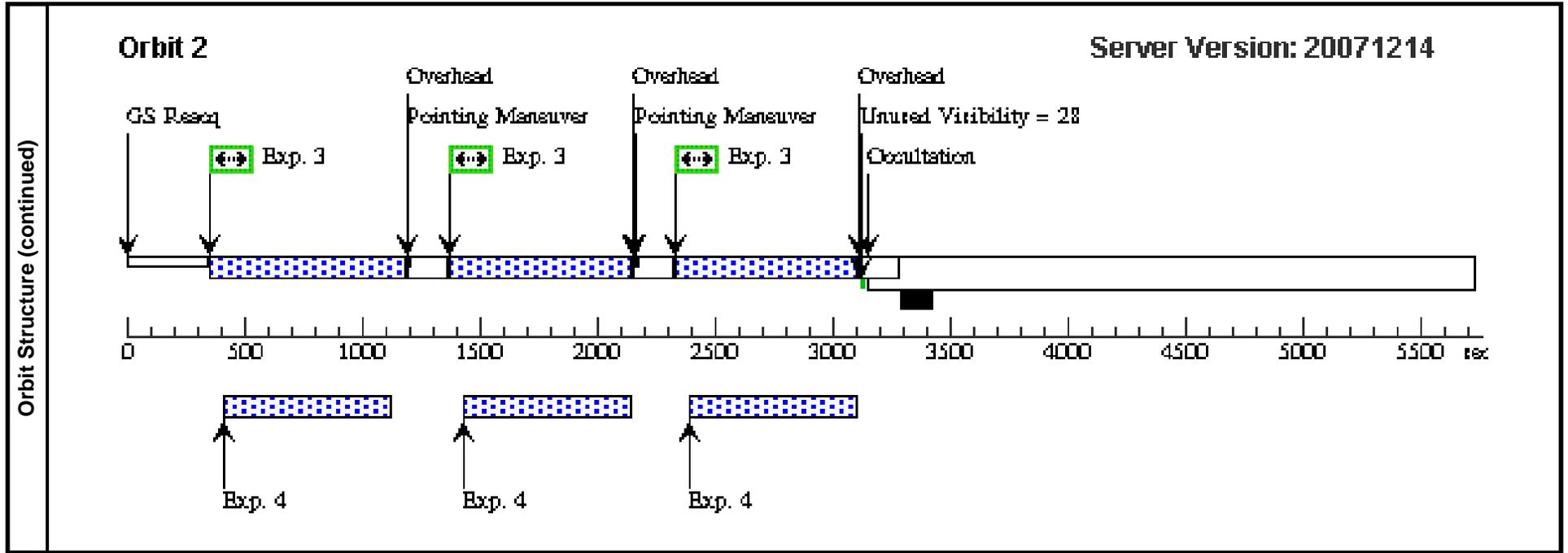


Proposal 11195 - Visit 15 - Morphologies of the Most Extreme High-Redshift Mid-IR-luminous Galaxies II: The 'Bump' So...

Fri Jan 18 07:37:27 GMT 2008

Visit		Proposal 11195, Visit 15, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2, NIC3 Special Requirements: ORIENT 194.0D TO 300.0 D								
Patterns	#	Primary Pattern			Secondary Pattern		Exposures			
	(1)	Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.3535 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false				(1-2), (3-4)			
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(8)	MIPS142941.0+340915 Alt Name1: Z2BUMP327	RA: 14 29 41.0327 (217.4209696d) Dec: +34 09 15.47 (34.15430d) Equinox: J2000		V=(?) R = 24.88	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	Z2BUMP32 7_1	(8) MIPS142941.0+3 40915	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Gro up 1-2	700.0 Secs [==>700.0 Secs (Pattern 1)] [==>600.0 Secs (Pattern 2)] [==>600.0 Secs (Pattern 3)]	[1]
	2	Z2BUMP32 7_1p	(8) MIPS142941.0+3 40915	NIC3, MULTIACCUM, NIC3	F160W	NSAMP=13; SAMP-SEQ=SPAR S64		Pattern 1-2 (1) Prime + Parallel Gro up 1-2	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	3	Z2BUMP32 7_2	(8) MIPS142941.0+3 40915	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO	POS TARG -0.25,0. 25	Pattern 3-4 (1) Prime + Parallel Gro up 3-4	700.0 Secs [==>700.0 Secs (Pattern 1)] [==>600.0 Secs (Pattern 2)] [==>600.0 Secs (Pattern 3)]	[2]
4	Z2BUMP32 7_2p	(8) MIPS142941.0+3 40915	NIC3, MULTIACCUM, NIC3	F160W	NSAMP=13; SAMP-SEQ=SPAR S64		Pattern 3-4 (1) Prime + Parallel Gro up 3-4	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[2]	

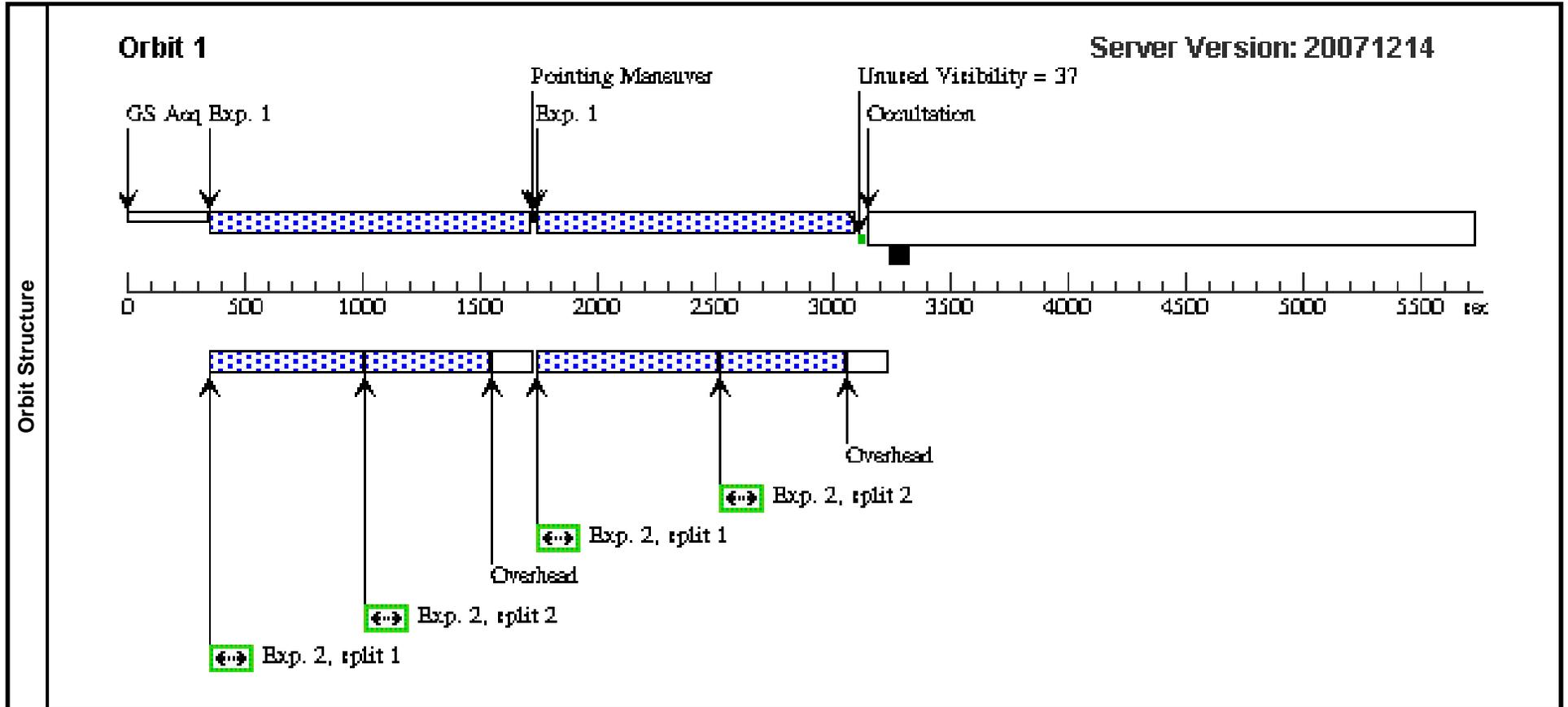




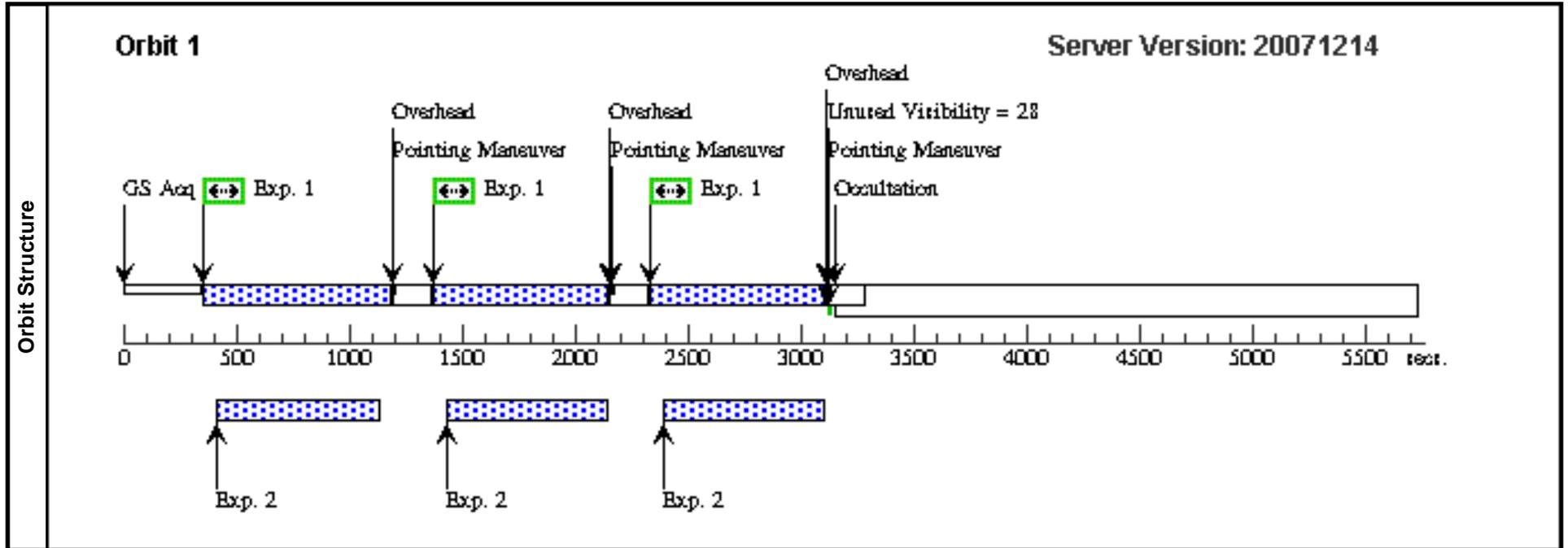
Proposal 11195 - Visit 16 - Morphologies of the Most Extreme High-Redshift Mid-IR-luminous Galaxies II: The 'Bump' So...

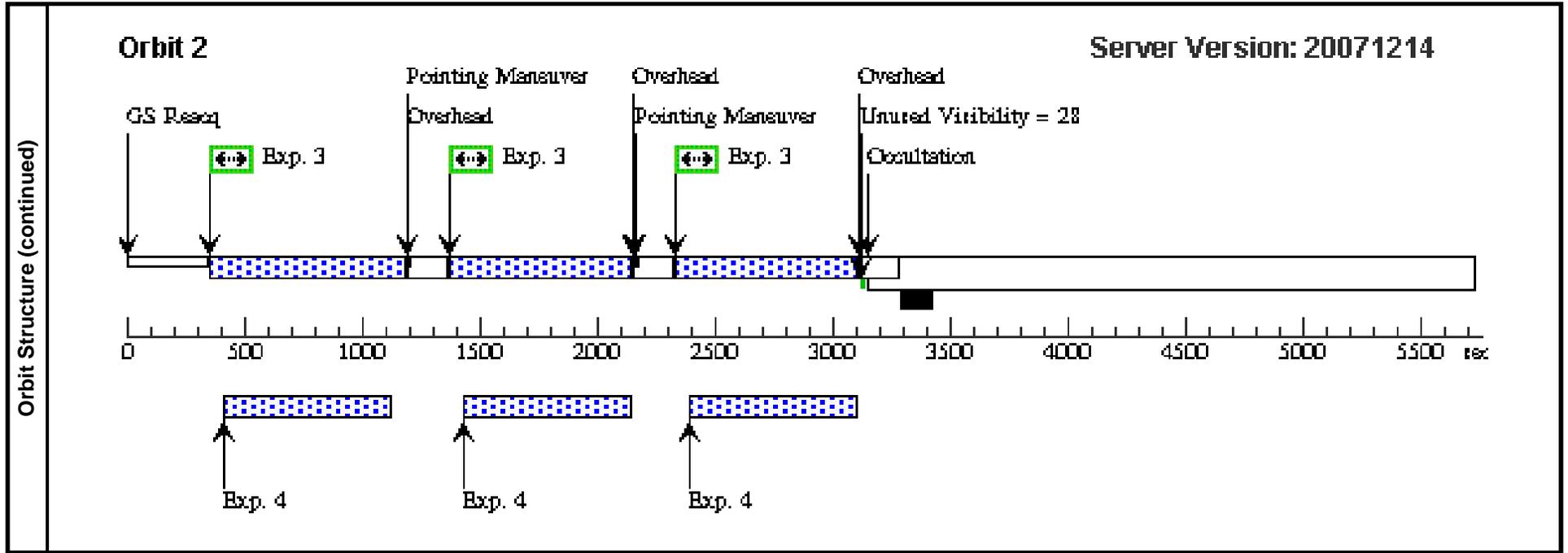
Fri Jan 18 07:37:27 GMT 2008

Visit	Proposal 11195, Visit 16, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: NIC2, WFPC2 Special Requirements: ORIENT 219.0D TO 70.0 D										
	Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
		(2)	Pattern Type=NIC-SPIRAL-DITH	Coordinate Frame=POS-TARG							(1-2)
		Purpose=DITHER	Pattern Orientation=0.0								
		Number Of Points=2	Angle Between Sides=								
		Point Spacing=0.6375	Center Pattern=false								
		Line Spacing=									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(8)	MIPS142941.0+340915	RA: 14 29 41.0327 (217.4209696d)			V=(?)		Reference Frame: ICRS			
		Alt Name1: Z2BUMP327	Dec: +34 09 15.47 (34.15430d)			R = 24.88					
			Equinox: J2000								
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	Z2BUMP32 7_3	(8) MIPS142941.0+3 40915	NIC2, MULTIACCUM, NIC2	F160W	NSAMP=23; SAMP-SEQ=SPAR S64		Pattern 1-2 (2) Prime + Parallel Gro up 1-2	[==>(Pattern 1)] [==>(Pattern 2)]		[1]
	2	Z2BUMP32 7_3p	(8) MIPS142941.0+3 40915	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=.55		Pattern 1-2 (2) Prime + Parallel Gro up 1-2	1500.0 Secs [==>400.0 Secs (Pattern 1, Split 1)] [==>500.0 Secs (Pattern 1, Split 2)] [==>500.0 Secs (Pattern 2, Split 1)] [==>500.0 Secs (Pattern 2, Split 2)]		[1]



Visit		Proposal 11195, Visit 17, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2, NIC3 Special Requirements: ORIENT 193.0D TO 0.0 D								
Patterns	#	Primary Pattern		Secondary Pattern		Exposures				
	(1)	Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.3535 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false			(1-2), (3-4)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(9)	MIPS142951.1+342041 Alt Name1: Z2BUMP374	RA: 14 29 51.1908 (217.4632950d) Dec: +34 20 41.73 (34.34492d) Equinox: J2000		V=(?) R = 24.78	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	Z2BUMP37 4_1	(9) MIPS142951.1+3 42041	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Gro up 1-2	700.0 Secs [==>700.0 Secs (Pattern 1)] [==>600.0 Secs (Pattern 2)] [==>600.0 Secs (Pattern 3)]	[1]
	2	Z2BUMP37 4_1p	(9) MIPS142951.1+3 42041	NIC3, MULTIACCUM, NIC3	F160W	NSAMP=13; SAMP-SEQ=SPAR S64		Pattern 1-2 (1) Prime + Parallel Gro up 1-2	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	3	Z2BUMP37 4_2	(9) MIPS142951.1+3 42041	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO	POS TARG -0.25,0. 25	Pattern 3-4 (1) Prime + Parallel Gro up 3-4	700.0 Secs [==>700.0 Secs (Pattern 1)] [==>600.0 Secs (Pattern 2)] [==>600.0 Secs (Pattern 3)]	[2]
4	Z2BUMP37 4_2p	(9) MIPS142951.1+3 42041	NIC3, MULTIACCUM, NIC3	F160W	NSAMP=13; SAMP-SEQ=SPAR S64		Pattern 3-4 (1) Prime + Parallel Gro up 3-4	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[2]	

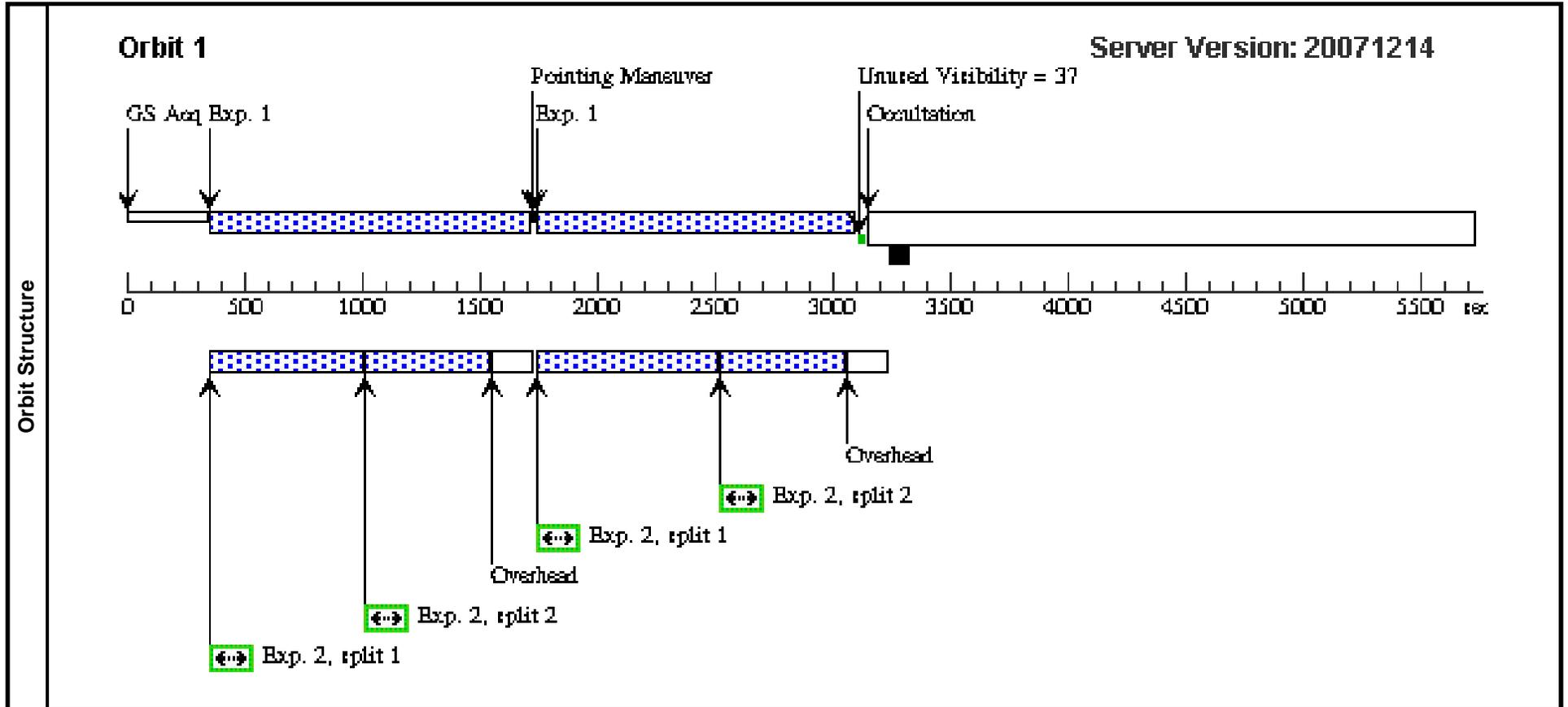




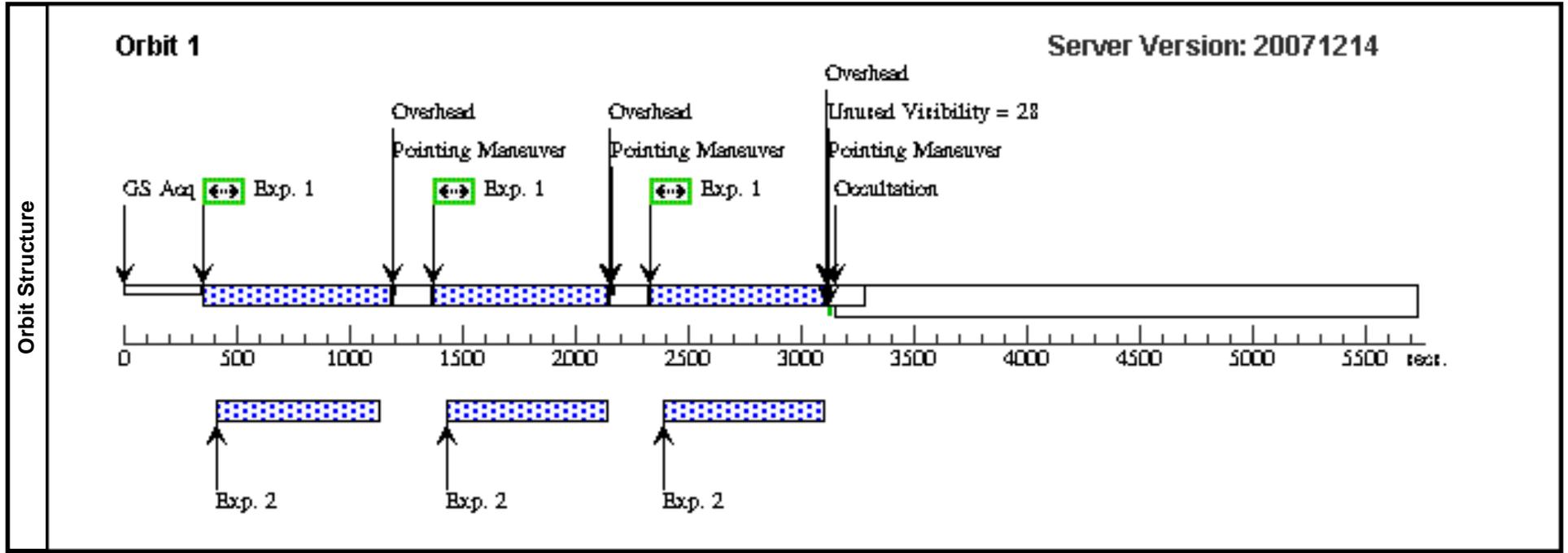
Proposal 11195 - Visit 18 - Morphologies of the Most Extreme High-Redshift Mid-IR-luminous Galaxies II: The 'Bump' So...

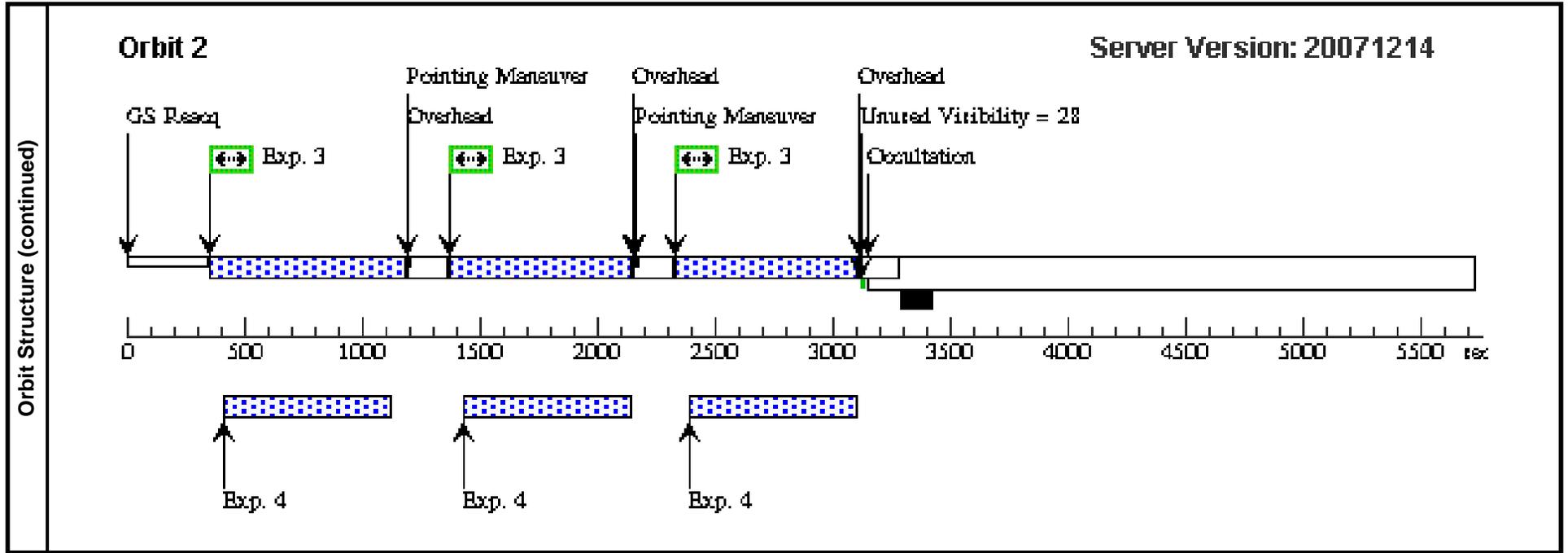
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Visit	Proposal 11195, Visit 18, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: NIC2, WFPC2 Special Requirements: ORIENT 126.0D TO 320.0 D; ORIENT 357.0D TO 90.0 D										
	Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
		(2)	Pattern Type=NIC-SPIRAL-DITH	Coordinate Frame=POS-TARG							(1-2)
		Purpose=DITHER	Pattern Orientation=0.0								
		Number Of Points=2	Angle Between Sides=								
		Point Spacing=0.6375	Center Pattern=false								
		Line Spacing=									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(9)	MIPS142951.1+342041	RA: 14 29 51.1908 (217.4632950d)			V=(?)		Reference Frame: ICRS			
		Alt Name1: Z2BUMP374	Dec: +34 20 41.73 (34.34492d)			R = 24.78					
			Equinox: J2000								
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	Z2BUMP37 4_3	(9) MIPS142951.1+3 42041	NIC2, MULTIACCUM, NIC2	F160W	NSAMP=23; SAMP-SEQ=SPAR S64		Pattern 1-2 (2) Prime + Parallel Gro up 1-2	[==>(Pattern 1)] [==>(Pattern 2)]		[1]
	2	Z2BUMP37 4_3p	(9) MIPS142951.1+3 42041	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=.55		Pattern 1-2 (2) Prime + Parallel Gro up 1-2	1500.0 Secs [==>400.0 Secs (Pattern 1, Split 1)] [==>500.0 Secs (Pattern 1, Split 2)] [==>500.0 Secs (Pattern 2, Split 1)] [==>500.0 Secs (Pattern 2, Split 2)]		[1]



Visit		Proposal 11195, Visit 19, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2, NIC3 Special Requirements: ORIENT 75.0D TO 270.0 D								
Patterns	#	Primary Pattern		Secondary Pattern		Exposures				
	(1)	Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.3535 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false			(1-2), (3-4)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(10)	MIPS143321.8+342502 Alt Name1: Z2BUMP397	RA: 14 33 21.8591 (218.3410796d) Dec: +34 25 2.22 (34.41728d) Equinox: J2000		V=(?) R = 24.34	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	Z2BUMP39 7_1	(10) MIPS143321.8+ 342502	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Gro up 1-2	700.0 Secs [==>700.0 Secs (Pattern 1)] [==>600.0 Secs (Pattern 2)] [==>600.0 Secs (Pattern 3)]	[1]
	2	Z2BUMP39 7_1p	(10) MIPS143321.8+ 342502	NIC3, MULTIACCUM, NIC3	F160W	NSAMP=13; SAMP-SEQ=SPAR S64		Pattern 1-2 (1) Prime + Parallel Gro up 1-2	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	3	Z2BUMP39 7_2	(10) MIPS143321.8+ 342502	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO	POS TARG -0.25,0. 25	Pattern 3-4 (1) Prime + Parallel Gro up 3-4	700.0 Secs [==>700.0 Secs (Pattern 1)] [==>600.0 Secs (Pattern 2)] [==>600.0 Secs (Pattern 3)]	[2]
4	Z2BUMP39 7_2p	(10) MIPS143321.8+ 342502	NIC3, MULTIACCUM, NIC3	F160W	NSAMP=13; SAMP-SEQ=SPAR S64		Pattern 3-4 (1) Prime + Parallel Gro up 3-4	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[2]	

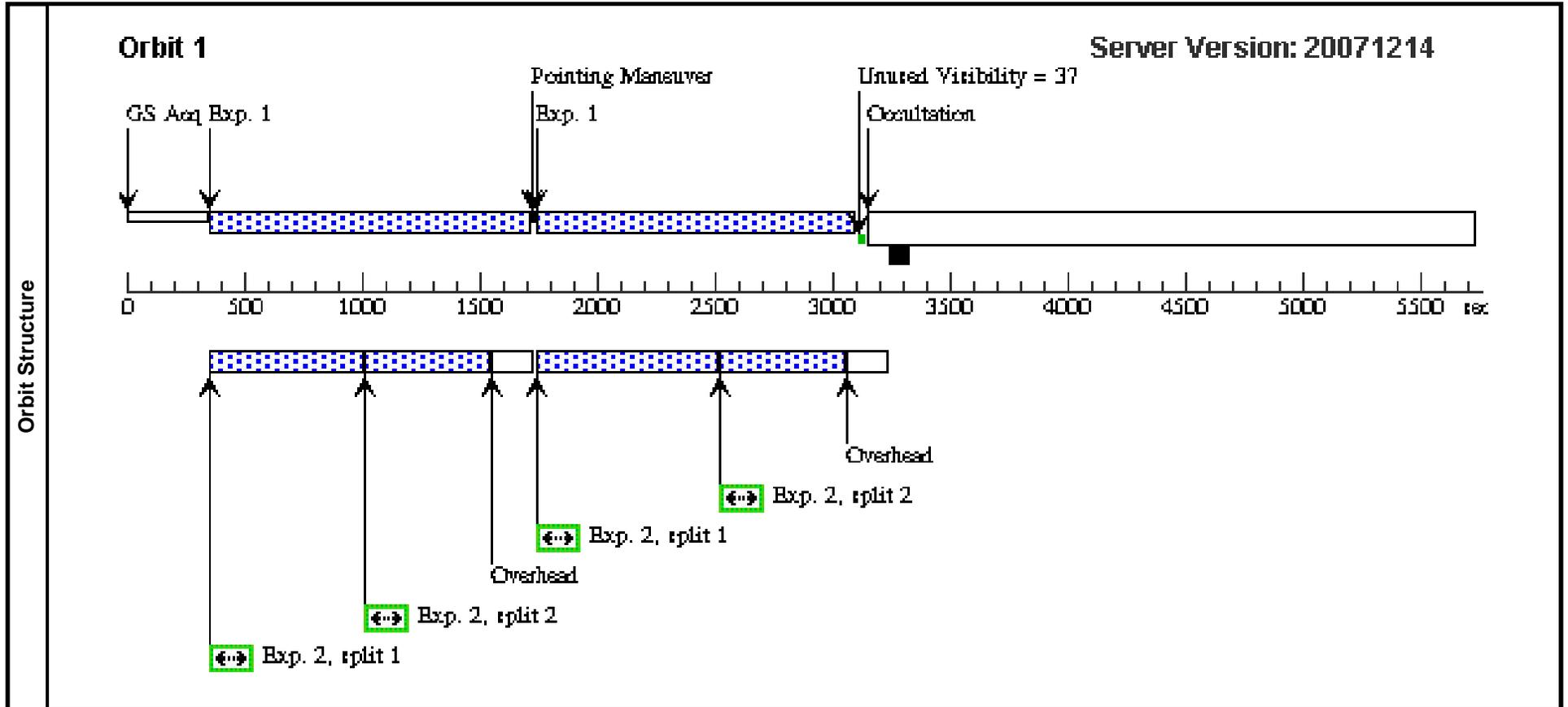




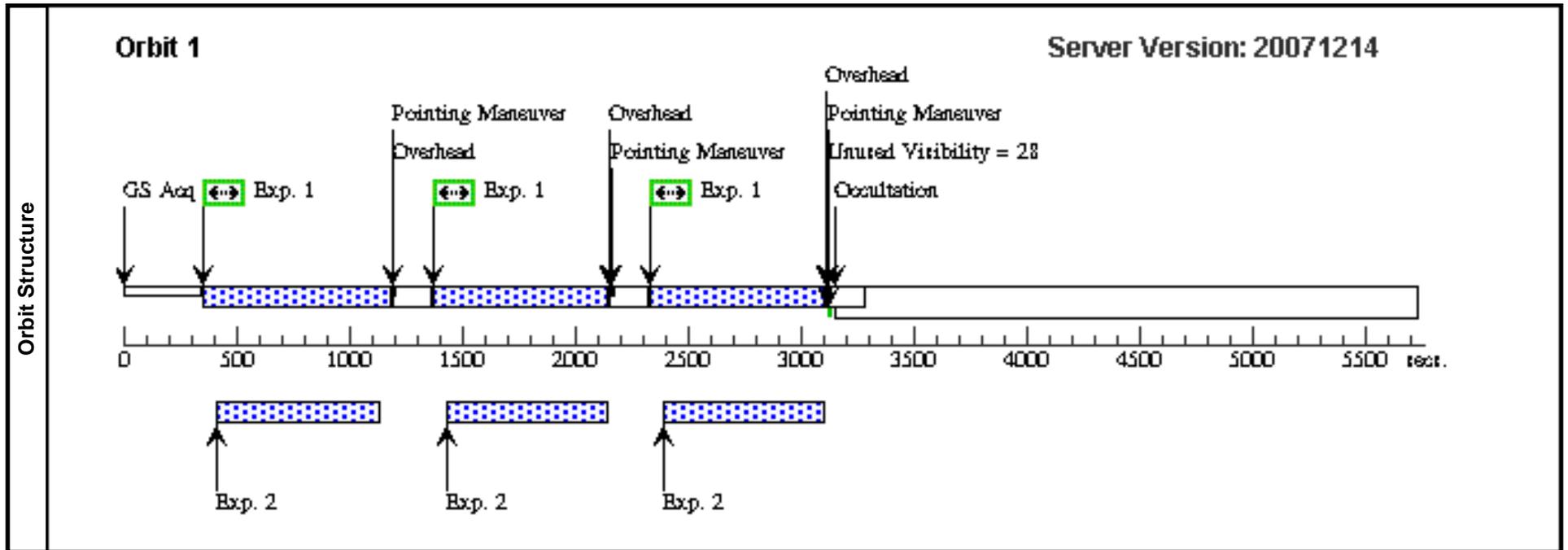
Proposal 11195 - Visit 20 - Morphologies of the Most Extreme High-Redshift Mid-IR-luminous Galaxies II: The 'Bump' So...

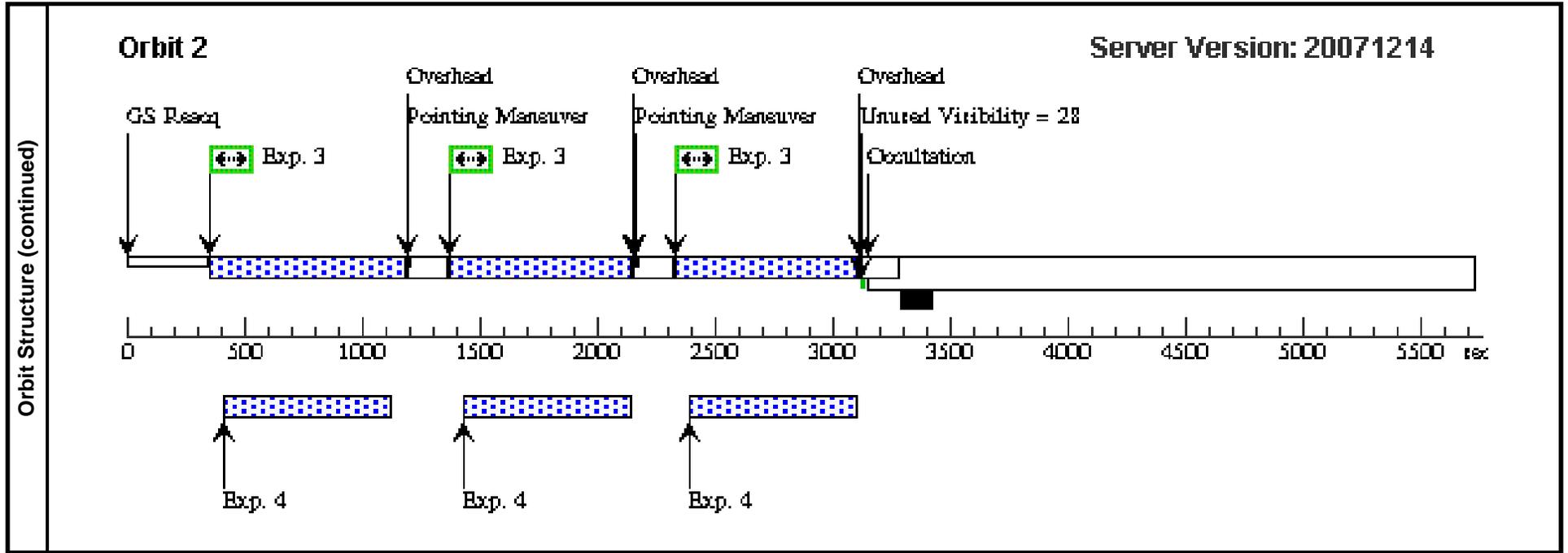
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Visit	Proposal 11195, Visit 20, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: NIC2, WFPC2 Special Requirements: ORIENT 115.0D TO 68.0 D										
	Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
		(2)	Pattern Type=NIC-SPIRAL-DITH	Coordinate Frame=POS-TARG							(1-2)
		Purpose=DITHER	Pattern Orientation=0.0								
		Number Of Points=2	Angle Between Sides=								
		Point Spacing=0.6375	Center Pattern=false								
		Line Spacing=									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(10)	MIPS143321.8+342502	RA: 14 33 21.8591	(218.3410796d)			V=(?)		Reference Frame: ICRS		
		Alt Name1: Z2BUMP397	Dec: +34 25 2.22	(34.41728d)			R = 24.34				
			Equinox: J2000								
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	Z2BUMP39 7_3	(10) MIPS143321.8+ 342502	NIC2, MULTIACCUM, NIC2	F160W	NSAMP=23; SAMP-SEQ=SPAR S64		Pattern 1-2 (2) Prime + Parallel Gro up 1-2	[==>(Pattern 1)] [==>(Pattern 2)]		[1]
	2	Z2BUMP39 7_3p	(10) MIPS143321.8+ 342502	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=.55		Pattern 1-2 (2) Prime + Parallel Gro up 1-2	1500.0 Secs [==>400.0 Secs (Pattern 1, Split 1)] [==>500.0 Secs (Pattern 1, Split 2)] [==>500.0 Secs (Pattern 2, Split 1)] [==>500.0 Secs (Pattern 2, Split 2)]		[1]



Visit		Proposal 11195, Visit 21, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2, NIC3 Special Requirements: ORIENT 166.0D TO 146.0 D								
Patterns	#	Primary Pattern			Secondary Pattern		Exposures			
	(1)	Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.3535 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false			(1-2), (3-4)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(11)	MIPS143502.9+342657 Alt Name1: Z2BUMP407	RA: 14 35 2.9041 (218.7621004d) Dec: +34 26 57.66 (34.44935d) Equinox: J2000		V=(?) R = 24.54	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	Z2BUMP40 7_1	(11) MIPS143502.9+ 342657	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Gro up 1-2	700.0 Secs [==>700.0 Secs (Pattern 1)] [==>600.0 Secs (Pattern 2)] [==>600.0 Secs (Pattern 3)]	[1]
	2	Z2BUMP40 7_1p	(11) MIPS143502.9+ 342657	NIC3, MULTIACCUM, NIC3	F160W	NSAMP=13; SAMP-SEQ=SPAR S64		Pattern 1-2 (1) Prime + Parallel Gro up 1-2	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	3	Z2BUMP40 7_2	(11) MIPS143502.9+ 342657	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO	POS TARG -0.25,0. 25	Pattern 3-4 (1) Prime + Parallel Gro up 3-4	700.0 Secs [==>700.0 Secs (Pattern 1)] [==>600.0 Secs (Pattern 2)] [==>600.0 Secs (Pattern 3)]	[2]
4	Z2BUMP40 7_2p	(11) MIPS143502.9+ 342657	NIC3, MULTIACCUM, NIC3	F160W	NSAMP=13; SAMP-SEQ=SPAR S64		Pattern 3-4 (1) Prime + Parallel Gro up 3-4	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[2]	

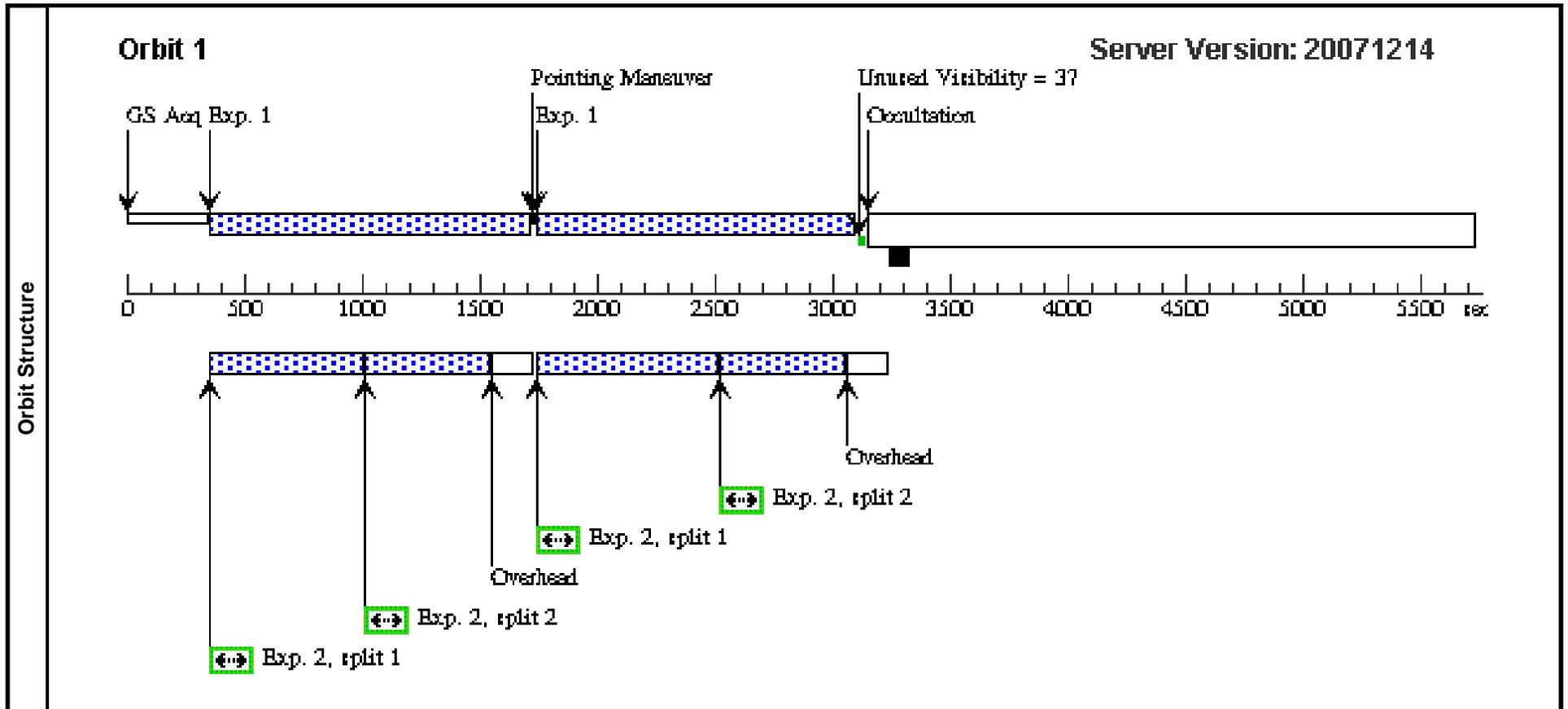




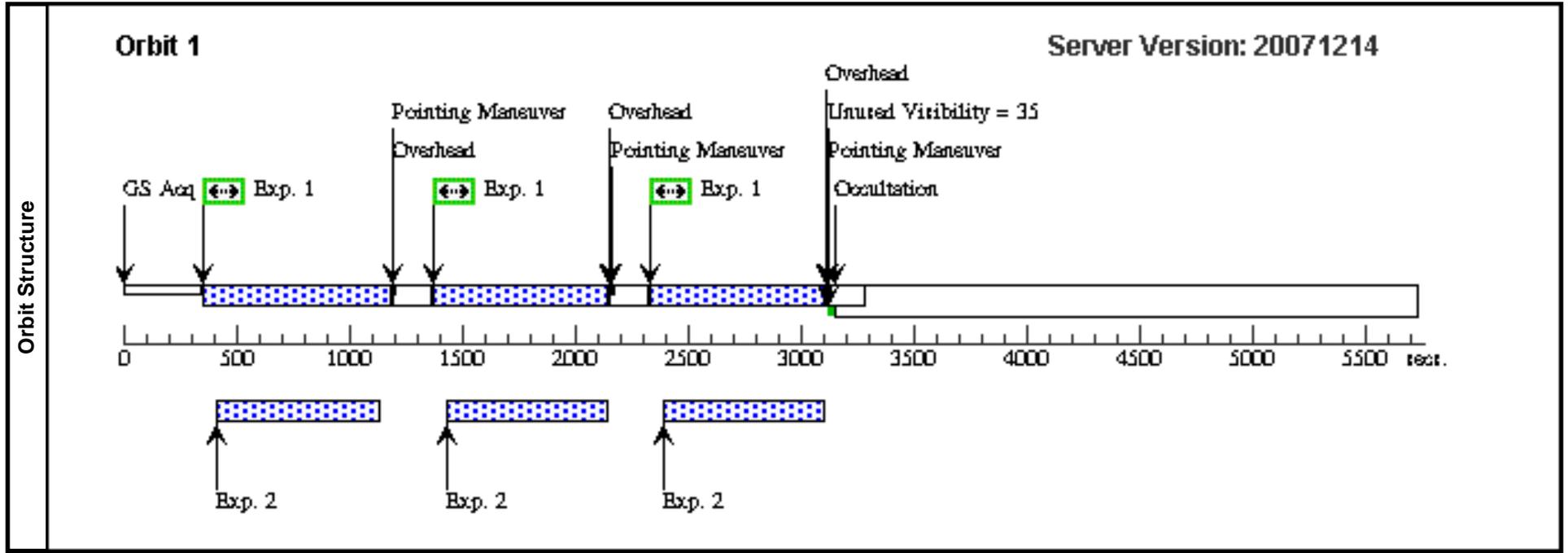
Proposal 11195 - Visit 22 - Morphologies of the Most Extreme High-Redshift Mid-IR-luminous Galaxies II: The 'Bump' So...

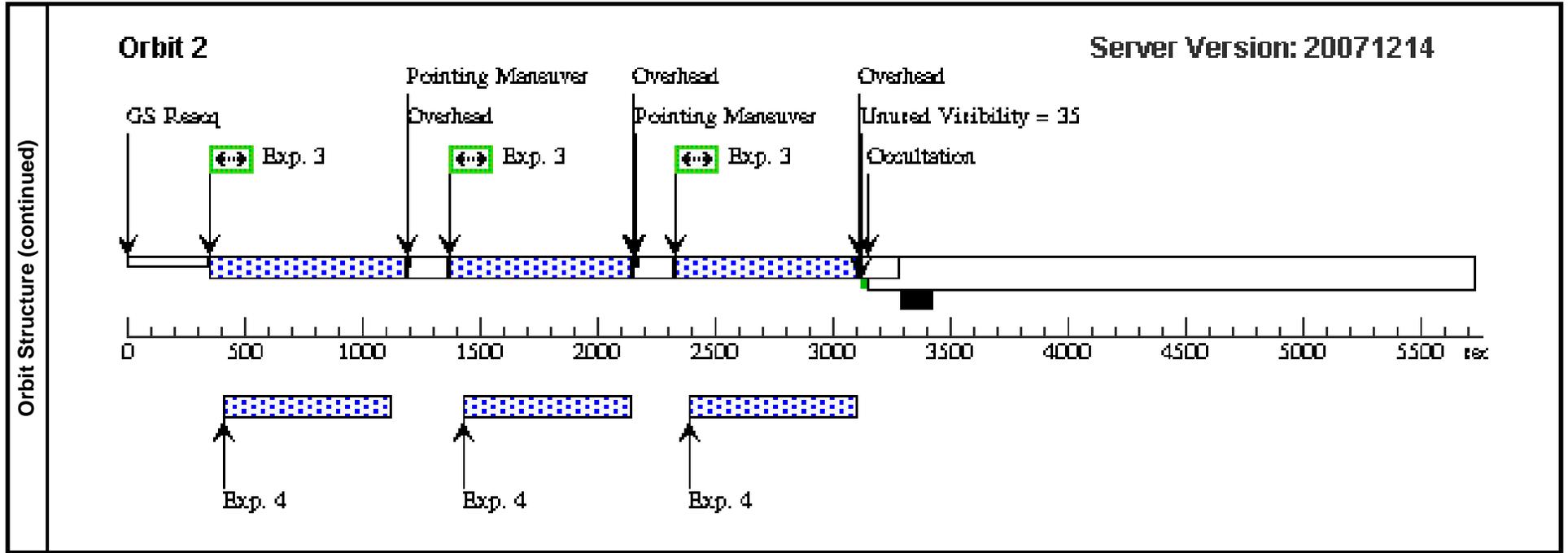
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Visit	Proposal 11195, Visit 22, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: NIC2, WFPC2 Special Requirements: ORIENT 75.0D TO 110.0 D; ORIENT 220.0D TO 45.0 D										
	Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
		(2)	Pattern Type=NIC-SPIRAL-DITH	Coordinate Frame=POS-TARG							(1-2)
		Purpose=DITHER	Pattern Orientation=0.0								
		Number Of Points=2	Angle Between Sides=								
		Point Spacing=0.6375	Center Pattern=false								
		Line Spacing=									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(11)	MIPS143502.9+342657	RA: 14 35 2.9041 (218.7621004d)			V=?)		Reference Frame: ICRS			
		Alt Name1: Z2BUMP407	Dec: +34 26 57.66 (34.44935d)			R = 24.54					
			Equinox: J2000								
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	Z2BUMP40 7_3	(11) MIPS143502.9+ 342657	NIC2, MULTIACCUM, NIC2	F160W	NSAMP=23; SAMP-SEQ=SPAR S64		Pattern 1-2 (2) Prime + Parallel Gro up 1-2	[==>(Pattern 1)] [==>(Pattern 2)]	[1]	
	2	Z2BUMP40 7_3p	(11) MIPS143502.9+ 342657	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=.55		Pattern 1-2 (2) Prime + Parallel Gro up 1-2	1500.0 Secs [==>400.0 Secs (Pattern 1, Split 1)] [==>500.0 Secs (Pattern 1, Split 2)] [==>500.0 Secs (Pattern 2, Split 1)] [==>500.0 Secs (Pattern 2, Split 2)]	[1]	



Visit		Proposal 11195, Visit 23, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2, NIC3 Special Requirements: ORIENT 105.0D TO 300.0 D								
Patterns	#	Primary Pattern		Secondary Pattern		Exposures				
	(1)	Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.3535 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false			(1-2), (3-4)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(12)	MIPS143152.4+350029 Alt Name1: Z2BUMP523	RA: 14 31 52.4585 (217.9685771d) Dec: +35 00 29.33 (35.00815d) Equinox: J2000		V=(?) R = 25.22	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	Z2BUMP52 3_1	(12) MIPS143152.4+ 350029	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Gro up 1-2	700.0 Secs [==>700.0 Secs (Pattern 1)] [==>600.0 Secs (Pattern 2)] [==>600.0 Secs (Pattern 3)]	[1]
	2	Z2BUMP52 3_1p	(12) MIPS143152.4+ 350029	NIC3, MULTIACCUM, NIC3	F160W	NSAMP=13; SAMP-SEQ=SPAR S64		Pattern 1-2 (1) Prime + Parallel Gro up 1-2	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	3	Z2BUMP52 3_2	(12) MIPS143152.4+ 350029	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO	POS TARG -0.25,0. 25	Pattern 3-4 (1) Prime + Parallel Gro up 3-4	700.0 Secs [==>700.0 Secs (Pattern 1)] [==>600.0 Secs (Pattern 2)] [==>600.0 Secs (Pattern 3)]	[2]
4	Z2BUMP52 3_2p	(12) MIPS143152.4+ 350029	NIC3, MULTIACCUM, NIC3	F160W	NSAMP=13; SAMP-SEQ=SPAR S64		Pattern 3-4 (1) Prime + Parallel Gro up 3-4	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[2]	

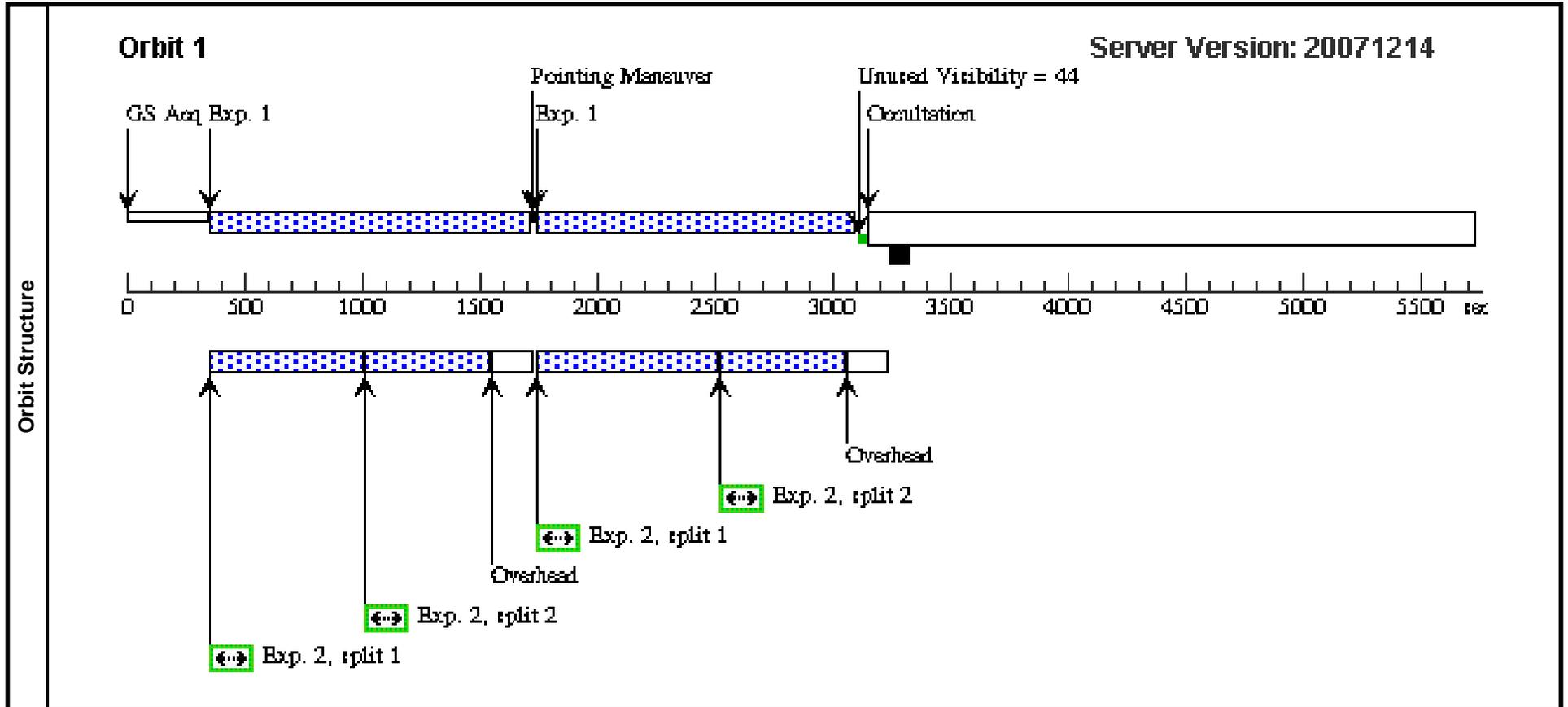




Proposal 11195 - Visit 24 - Morphologies of the Most Extreme High-Redshift Mid-IR-luminous Galaxies II: The 'Bump' So...

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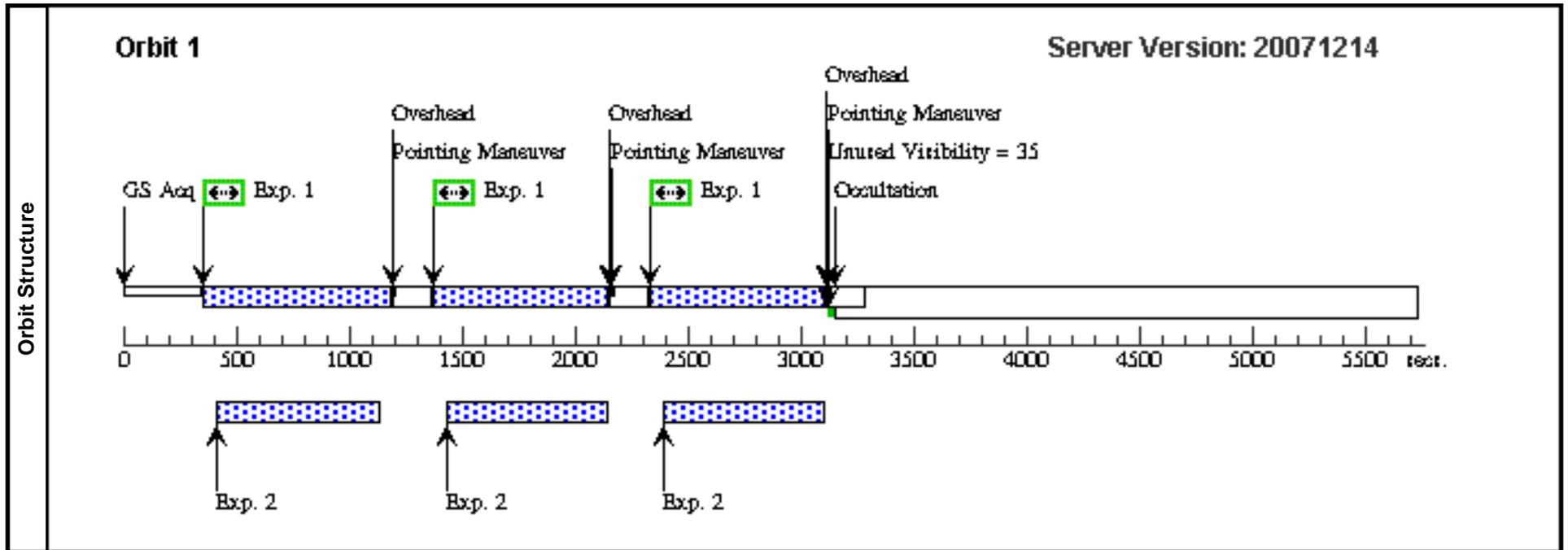
Visit	Proposal 11195, Visit 24, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: NIC2, WFPC2 Special Requirements: ORIENT 120.0D TO 24.0 D										
	Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
		(2)	Pattern Type=NIC-SPIRAL-DITH	Coordinate Frame=POS-TARG							(1-2)
		Purpose=DITHER	Pattern Orientation=0.0								
		Number Of Points=2	Angle Between Sides=								
		Point Spacing=0.6375	Center Pattern=false								
		Line Spacing=									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(12)	MIPS143152.4+350029	RA: 14 31 52.4585 (217.9685771d)				V=(?)		Reference Frame: ICRS		
		Alt Name1: Z2BUMP523	Dec: +35 00 29.33 (35.00815d)				R = 25.22				
			Equinox: J2000								
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	Z2BUMP52 3_3	(12) MIPS143152.4+ 350029	NIC2, MULTIACCUM, NIC2	F160W	NSAMP=23; SAMP-SEQ=SPAR S64		Pattern 1-2 (2) Prime + Parallel Gro up 1-2	[==>(Pattern 1)] [==>(Pattern 2)]		[1]
	2	Z2BUMP52 3_3p	(12) MIPS143152.4+ 350029	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=.55		Pattern 1-2 (2) Prime + Parallel Gro up 1-2	1500.0 Secs [==>400.0 Secs (Pattern 1, Split 1)] [==>500.0 Secs (Pattern 1, Split 2)] [==>500.0 Secs (Pattern 2, Split 1)] [==>500.0 Secs (Pattern 2, Split 2)]		[1]

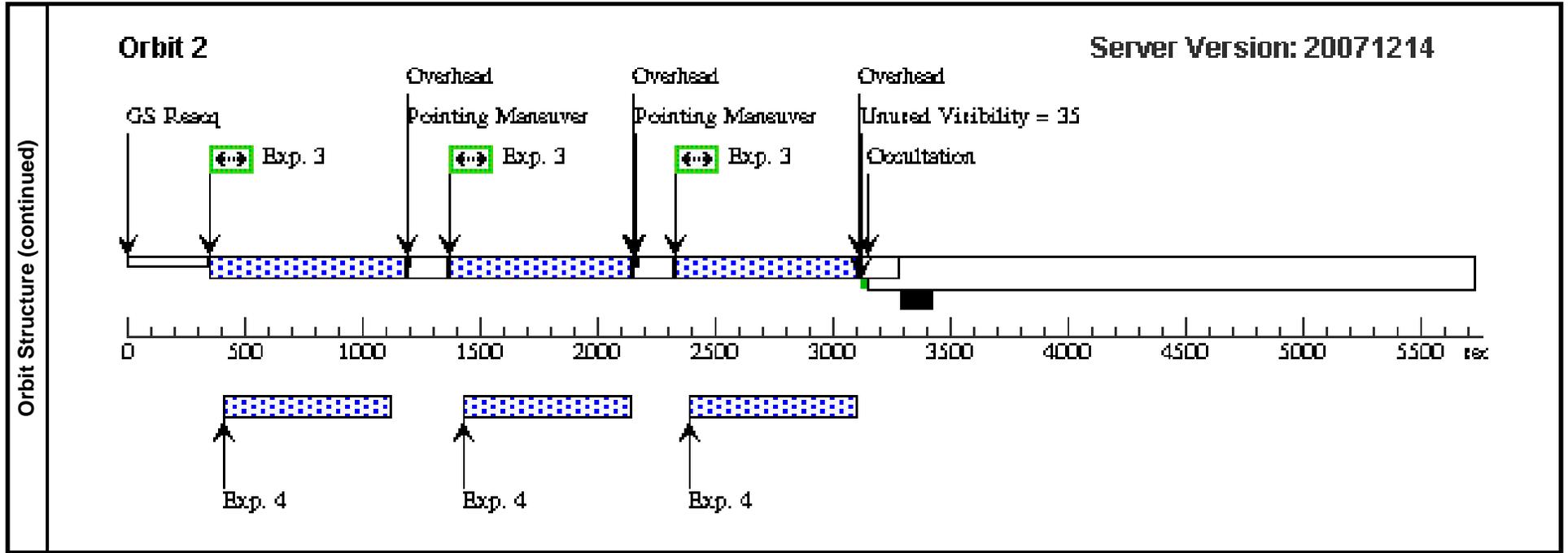


Proposal 11195 - Visit 25 - Morphologies of the Most Extreme High-Redshift Mid-IR-luminous Galaxies II: The 'Bump' So...

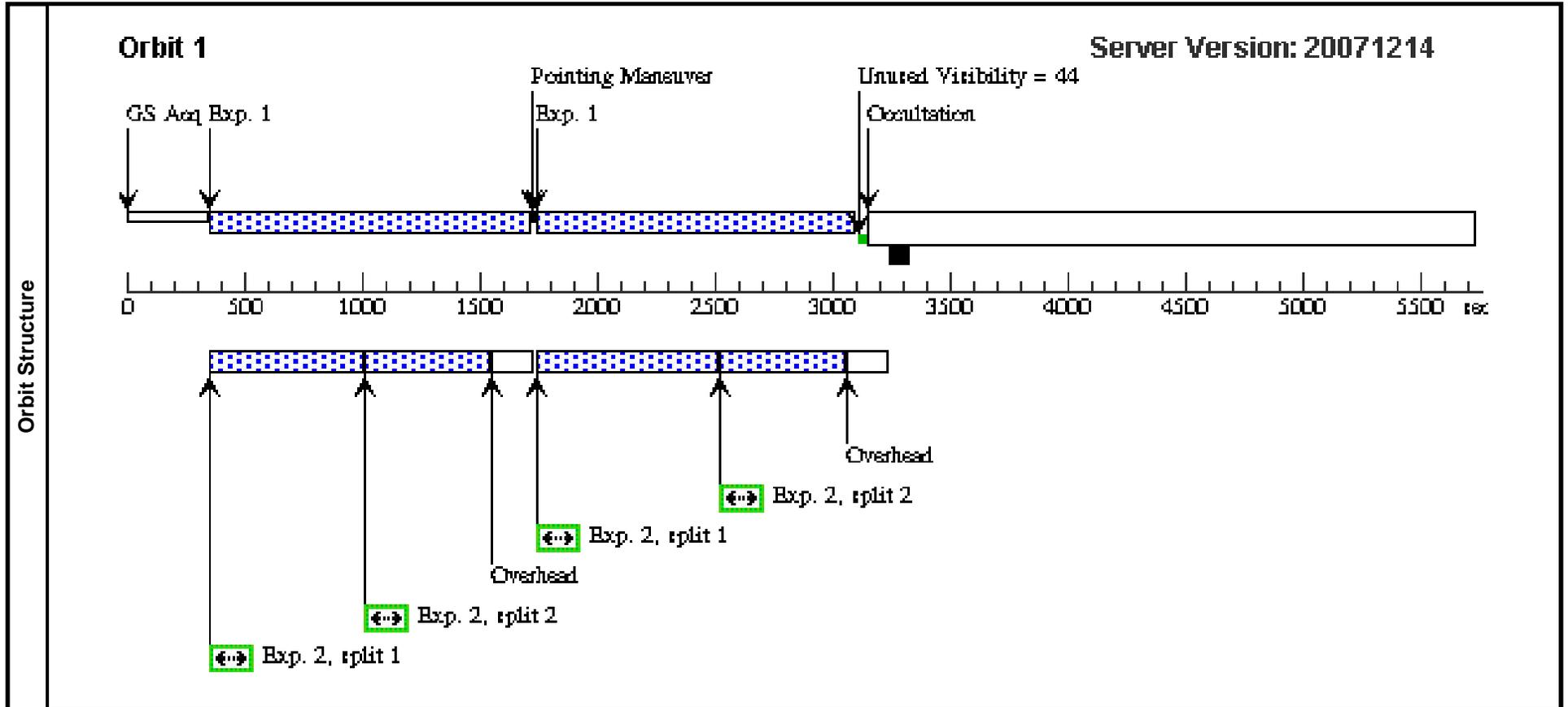
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Visit		Proposal 11195, Visit 25, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2, NIC3 Special Requirements: ORIENT 178.0D TO 225.0 D; ORIENT 305.0D TO 138.0 D								
Patterns	#	Primary Pattern			Secondary Pattern		Exposures			
	(1)	Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.3535 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false				(1-2), (3-4)			
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(13)	MIPS142724.9+350823 Alt Name1: Z2BUMP561	RA: 14 27 24.9940 (216.8541417d) Dec: +35 08 23.89 (35.13997d) Equinox: J2000		V=(?) R = 26.28	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	Z2BUMP56 1_1	(13) MIPS142724.9+ 350823	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Gro up 1-2	700.0 Secs [==>700.0 Secs (Pattern 1)] [==>600.0 Secs (Pattern 2)] [==>600.0 Secs (Pattern 3)]	[1]
	2	Z2BUMP56 1_1p	(13) MIPS142724.9+ 350823	NIC3, MULTIACCUM, NIC3	F160W	NSAMP=13; SAMP-SEQ=SPAR S64		Pattern 1-2 (1) Prime + Parallel Gro up 1-2	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	3	Z2BUMP56 1_2	(13) MIPS142724.9+ 350823	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO	POS TARG -0.25,0. 25	Pattern 3-4 (1) Prime + Parallel Gro up 3-4	700.0 Secs [==>700.0 Secs (Pattern 1)] [==>600.0 Secs (Pattern 2)] [==>600.0 Secs (Pattern 3)]	[2]
4	Z2BUMP56 1_2p	(13) MIPS142724.9+ 350823	NIC3, MULTIACCUM, NIC3	F160W	NSAMP=13; SAMP-SEQ=SPAR S64		Pattern 3-4 (1) Prime + Parallel Gro up 3-4	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[2]	

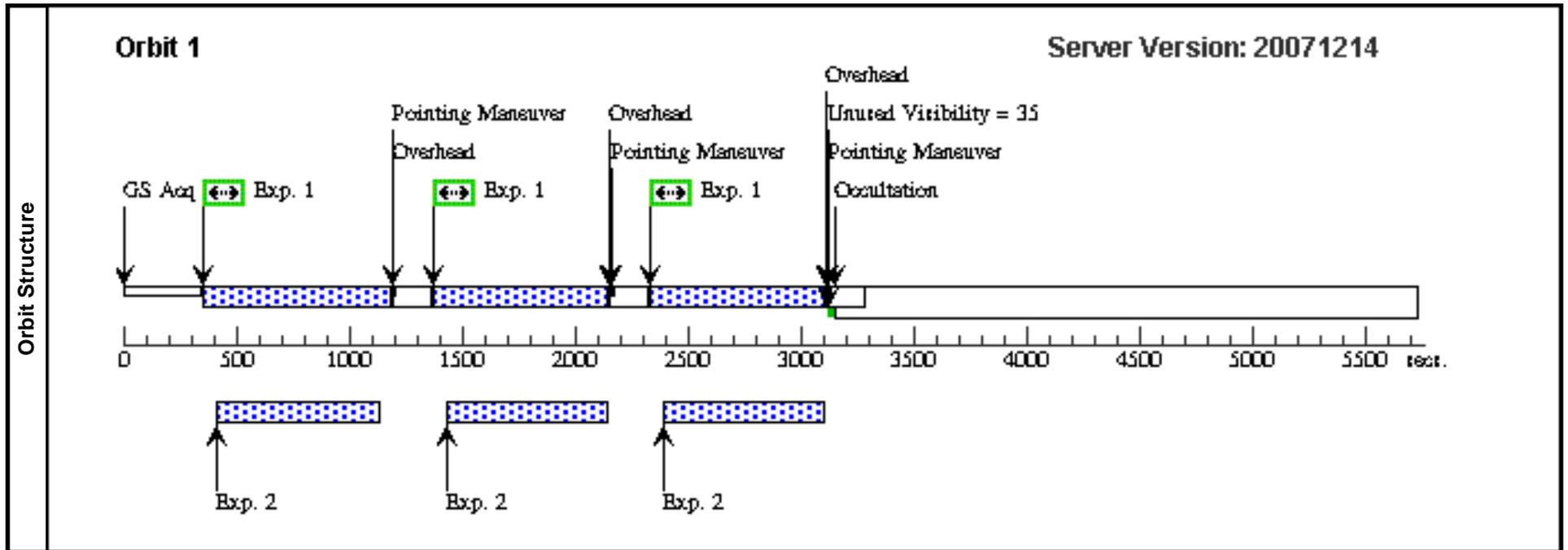


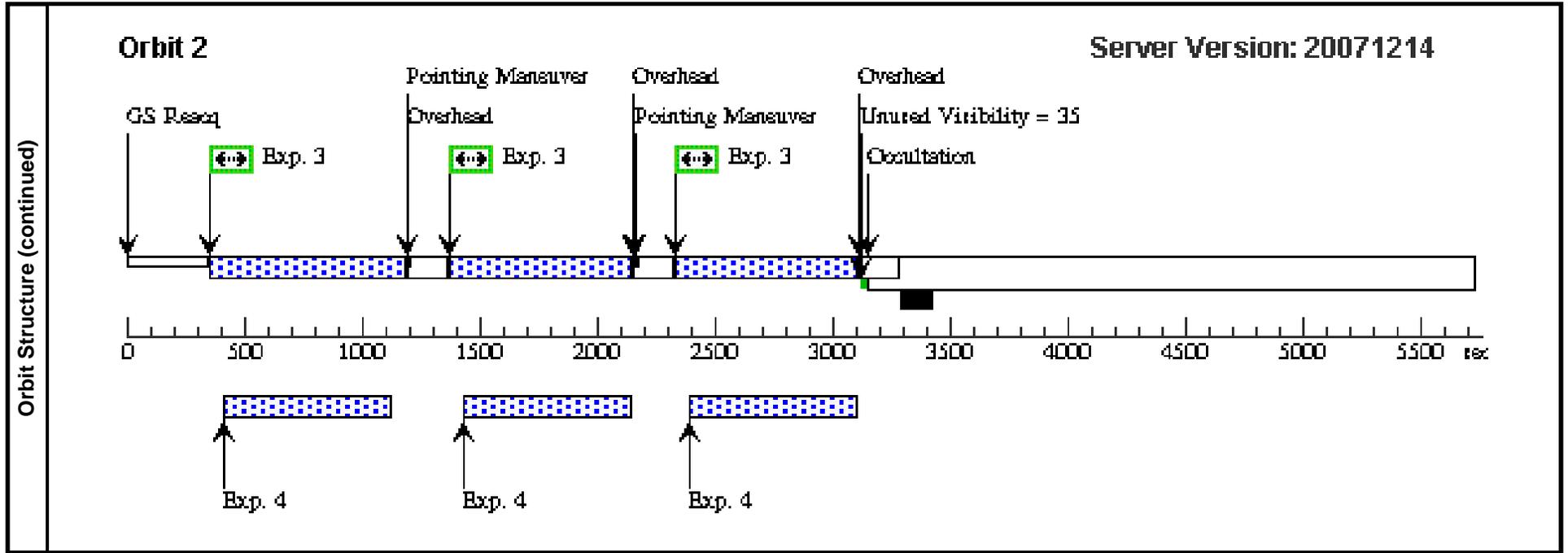


Visit	Proposal 11195, Visit 26, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: NIC2, WFPC2 Special Requirements: ORIENT 108.0D TO 180.0 D; ORIENT 220.0D TO 330.0 D										
	Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
(2)		Pattern Type=NIC-SPIRAL-DITH Purpose=DITHER Number Of Points=2 Point Spacing=0.6375 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=0.0 Angle Between Sides= Center Pattern=false					(1-2)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(13)	MIPS142724.9+350823 Alt Name1: Z2BUMP561	RA: 14 27 24.9940 (216.8541417d) Dec: +35 08 23.89 (35.13997d) Equinox: J2000				V=(?) R = 26.28		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	Z2BUMP56 1_3	(13) MIPS142724.9+ 350823	NIC2, MULTIACCUM, NIC2	F160W	NSAMP=23; SAMP-SEQ=SPAR S64		Pattern 1-2 (2) Prime + Parallel Gro up 1-2	[==>(Pattern 1)] [==>(Pattern 2)]	[1]	
2	Z2BUMP56 1_3p	(13) MIPS142724.9+ 350823	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=.55		Pattern 1-2 (2) Prime + Parallel Gro up 1-2	1500.0 Secs [==>400.0 Secs (Pattern 1, Split 1)] [==>500.0 Secs (Pattern 1, Split 2)] [==>500.0 Secs (Pattern 2, Split 1)] [==>500.0 Secs (Pattern 2, Split 2)]	[1]		



Visit		Proposal 11195, Visit 27, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2, NIC3 Special Requirements: ORIENT 220.0D TO 300.0 D								
Patterns	#	Primary Pattern		Secondary Pattern		Exposures				
	(1)	Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.3535 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false			(1-2), (3-4)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(14)	MIPS143331.9+352027 Alt Name1: Z2BUMP597	RA: 14 33 31.9482 (218.3831175d) Dec: +35 20 27.64 (35.34101d) Equinox: J2000		V=(?) R = 24.71	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	Z2BUMP59 7_1	(14) MIPS143331.9+ 352027	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Gro up 1-2	700.0 Secs [==>700.0 Secs (Pattern 1)] [==>600.0 Secs (Pattern 2)] [==>600.0 Secs (Pattern 3)]	[1]
	2	Z2BUMP59 7_1p	(14) MIPS143331.9+ 352027	NIC3, MULTIACCUM, NIC3	F160W	NSAMP=13; SAMP-SEQ=SPAR S64		Pattern 1-2 (1) Prime + Parallel Gro up 1-2	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	3	Z2BUMP59 7_2	(14) MIPS143331.9+ 352027	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO	POS TARG -0.25,0. 25	Pattern 3-4 (1) Prime + Parallel Gro up 3-4	700.0 Secs [==>700.0 Secs (Pattern 1)] [==>600.0 Secs (Pattern 2)] [==>600.0 Secs (Pattern 3)]	[2]
4	Z2BUMP59 7_2p	(14) MIPS143331.9+ 352027	NIC3, MULTIACCUM, NIC3	F160W	NSAMP=13; SAMP-SEQ=SPAR S64		Pattern 3-4 (1) Prime + Parallel Gro up 3-4	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[2]	

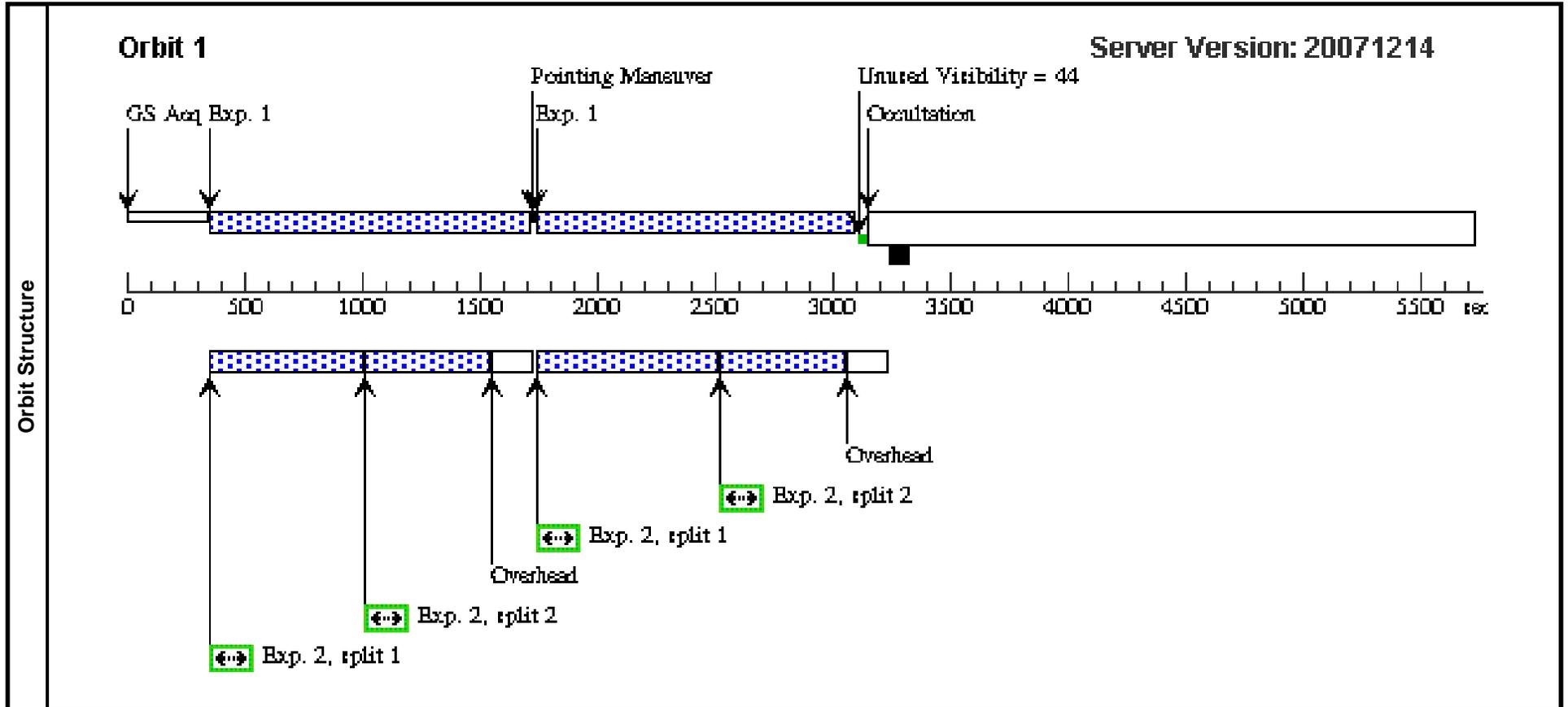




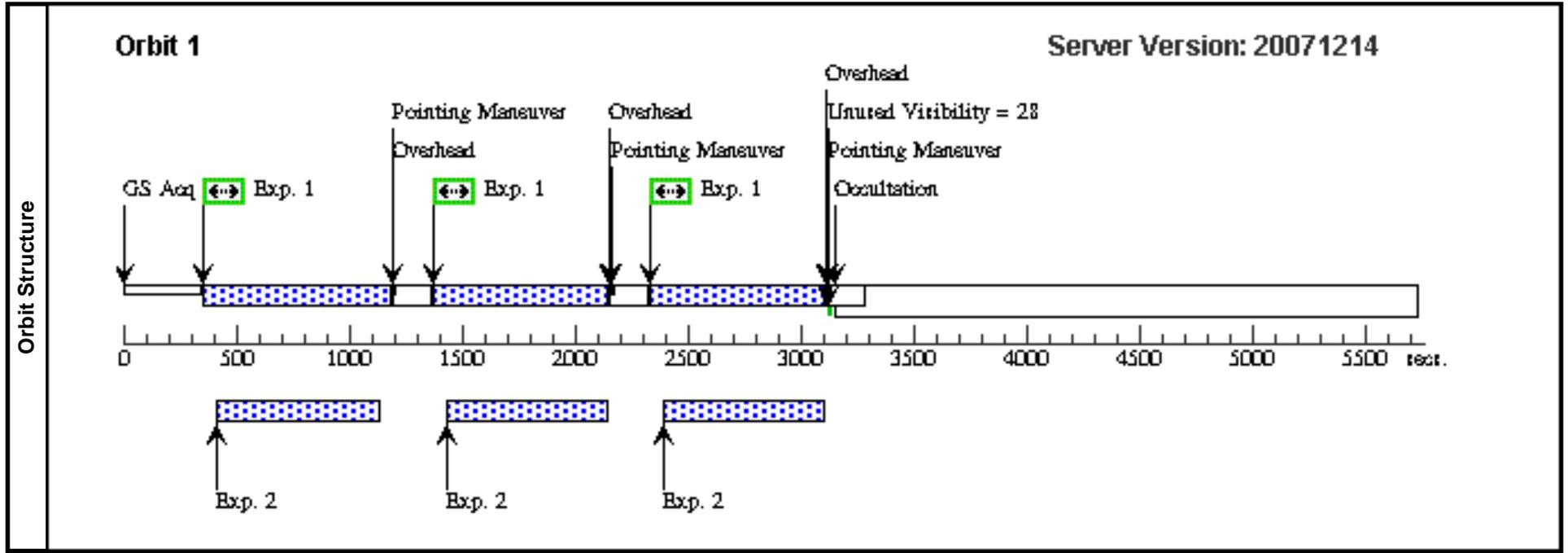
Proposal 11195 - Visit 28 - Morphologies of the Most Extreme High-Redshift Mid-IR-luminous Galaxies II: The 'Bump' So...

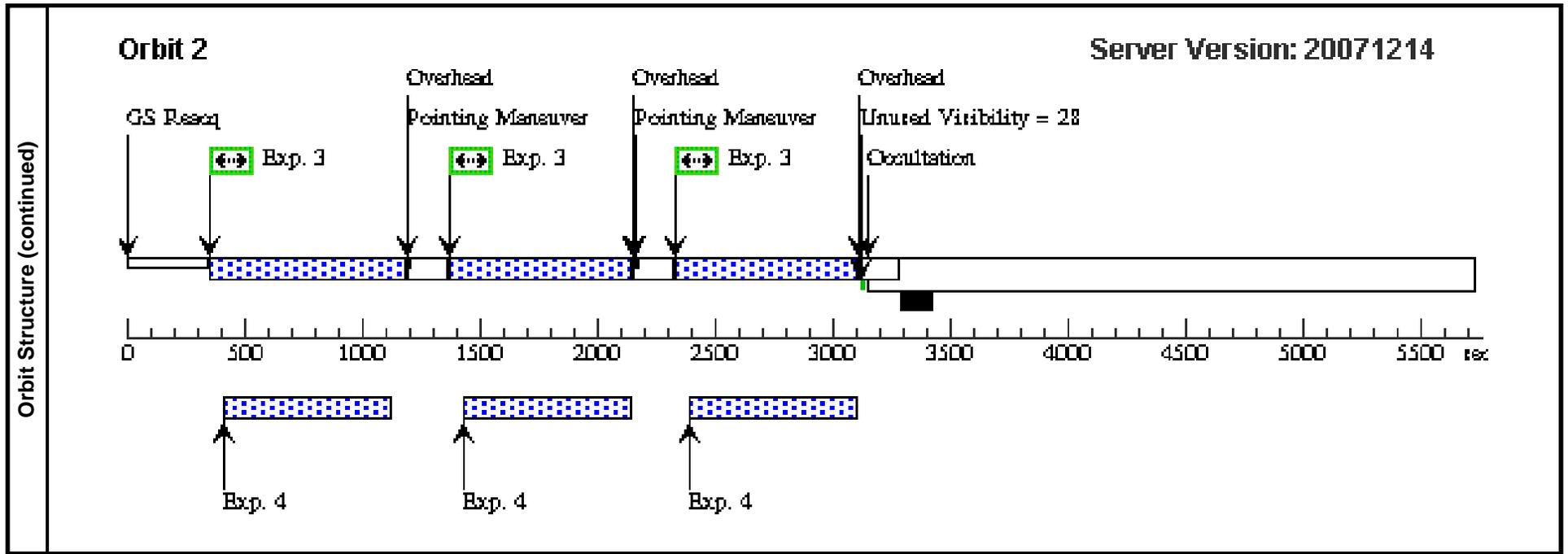
Fri Jan 18 07:37:31 GMT 2008

Visit	Proposal 11195, Visit 28, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: NIC2, WFPC2 Special Requirements: ORIENT 26.0D TO 108.0 D; ORIENT 180.0D TO 235.0 D; ORIENT 290.0D TO 359.0 D										
	Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
		(2)	Pattern Type=NIC-SPIRAL-DITH	Coordinate Frame=POS-TARG							(1-2)
		Purpose=DITHER	Pattern Orientation=0.0								
		Number Of Points=2	Angle Between Sides=								
		Point Spacing=0.6375	Center Pattern=false								
		Line Spacing=									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(14)	MIPS143331.9+352027	RA: 14 33 31.9482 (218.3831175d)			V=(?)		Reference Frame: ICRS			
		Alt Name1: Z2BUMP597	Dec: +35 20 27.64 (35.34101d)			R = 24.71					
			Equinox: J2000								
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	Z2BUMP59 7_3	(14) MIPS143331.9+ 352027	NIC2, MULTIACCUM, NIC2	F160W	NSAMP=23; SAMP-SEQ=SPAR S64		Pattern 1-2 (2) Prime + Parallel Gro up 1-2	[==>(Pattern 1)] [==>(Pattern 2)]		[1]
	2	Z2BUMP59 7_3p	(14) MIPS143331.9+ 352027	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=.55		Pattern 1-2 (2) Prime + Parallel Gro up 1-2	1500.0 Secs [==>400.0 Secs (Pattern 1, Split 1)] [==>500.0 Secs (Pattern 1, Split 2)] [==>500.0 Secs (Pattern 2, Split 1)] [==>500.0 Secs (Pattern 2, Split 2)]		[1]



Visit		Proposal 11195, Visit 29, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2, NIC3 Special Requirements: ORIENT 129.0D TO 340.0 D								
Patterns	#	Primary Pattern		Secondary Pattern			Exposures			
	(1)	Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.3535 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false				(1-2), (3-4)			
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(15)	MIPS143143.3+324944 Alt Name1: Z3BUMPS173	RA: 14 31 43.3997 (217.9308321d) Dec: +32 49 44.29 (32.82897d) Equinox: J2000		V=(?) R = 26.01	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	Z3BUMP17 3_1	(15) MIPS143143.3+ 324944	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Gro up 1-2	700.0 Secs [==>700.0 Secs (Pattern 1)] [==>600.0 Secs (Pattern 2)] [==>600.0 Secs (Pattern 3)]	[1]
	2	Z3BUMP17 3_1p	(15) MIPS143143.3+ 324944	NIC3, MULTIACCUM, NIC3	F160W	NSAMP=13; SAMP-SEQ=SPAR S64		Pattern 1-2 (1) Prime + Parallel Gro up 1-2	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	3	Z3BUMP17 3_2	(15) MIPS143143.3+ 324944	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO	POS TARG -0.25,0. 25	Pattern 3-4 (1) Prime + Parallel Gro up 3-4	700.0 Secs [==>700.0 Secs (Pattern 1)] [==>600.0 Secs (Pattern 2)] [==>600.0 Secs (Pattern 3)]	[2]
4	Z3BUMP17 3_2p	(15) MIPS143143.3+ 324944	NIC3, MULTIACCUM, NIC3	F160W	NSAMP=13; SAMP-SEQ=SPAR S64		Pattern 3-4 (1) Prime + Parallel Gro up 3-4	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[2]	

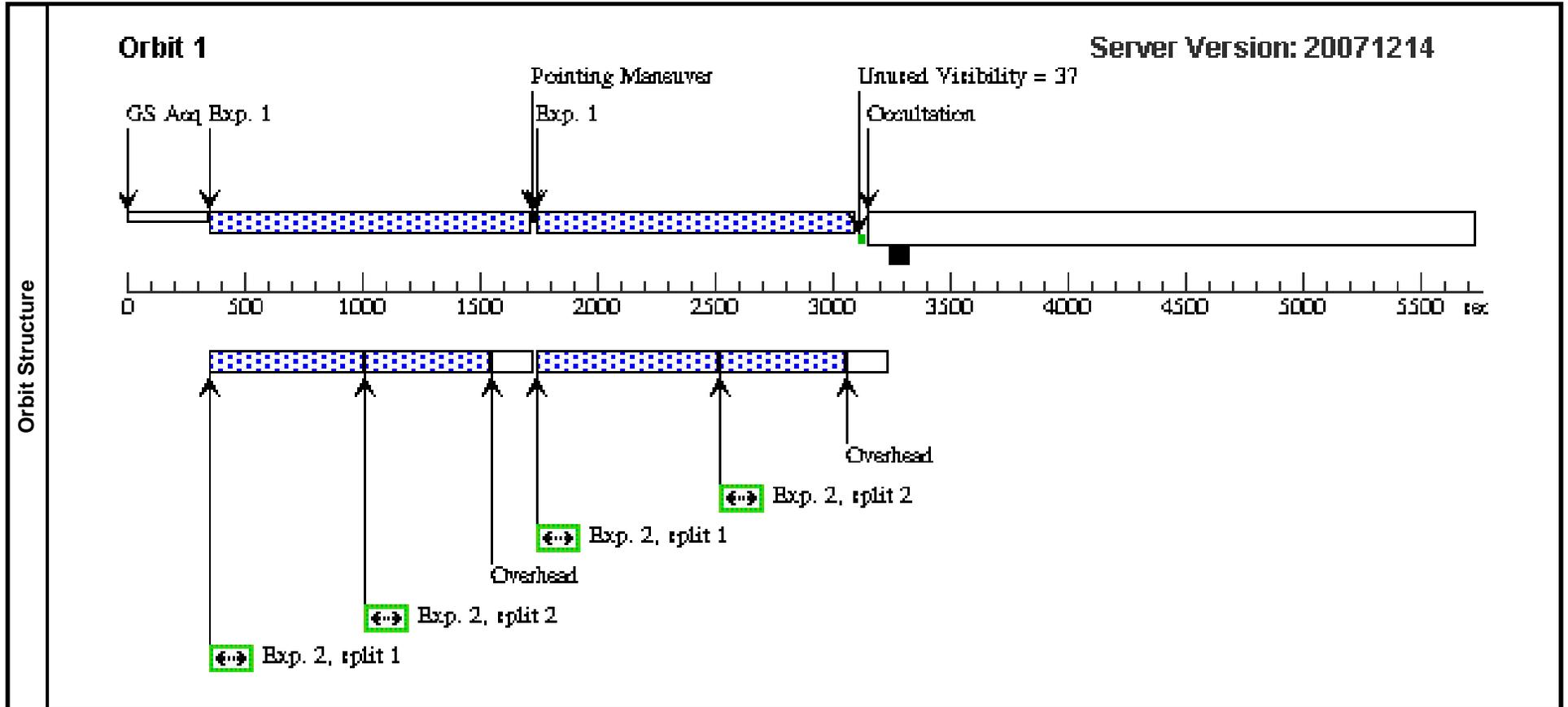




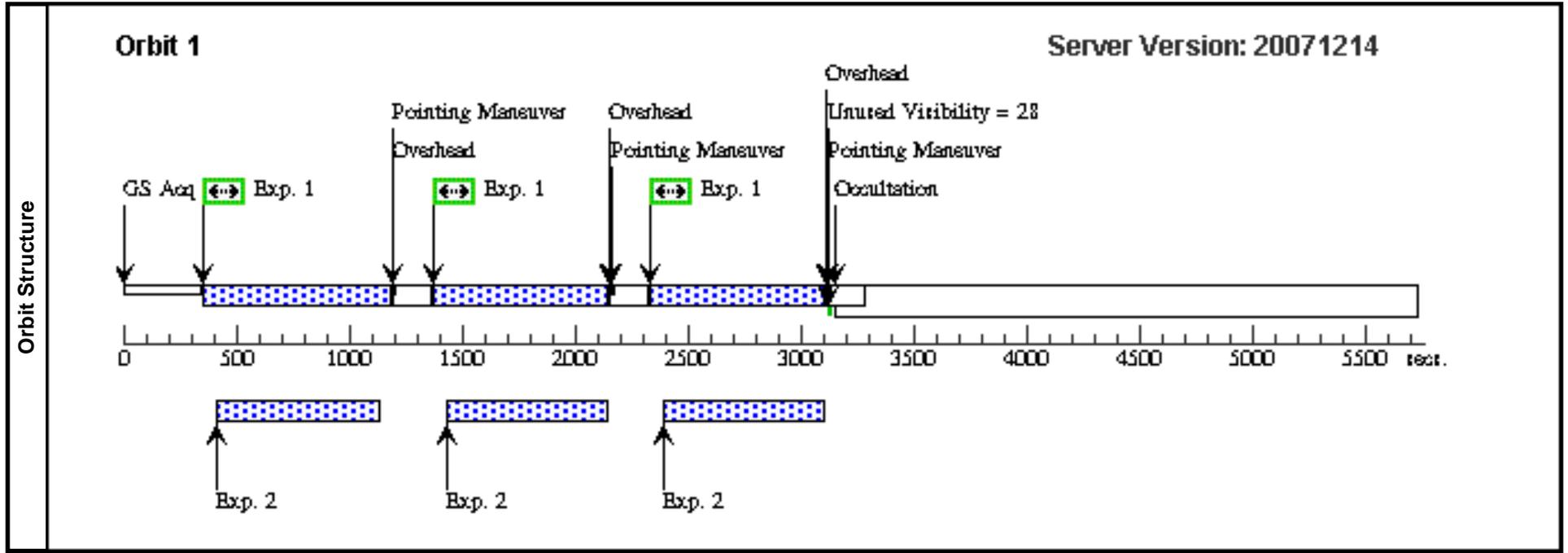
Proposal 11195 - Visit 30 - Morphologies of the Most Extreme High-Redshift Mid-IR-luminous Galaxies II: The 'Bump' So...

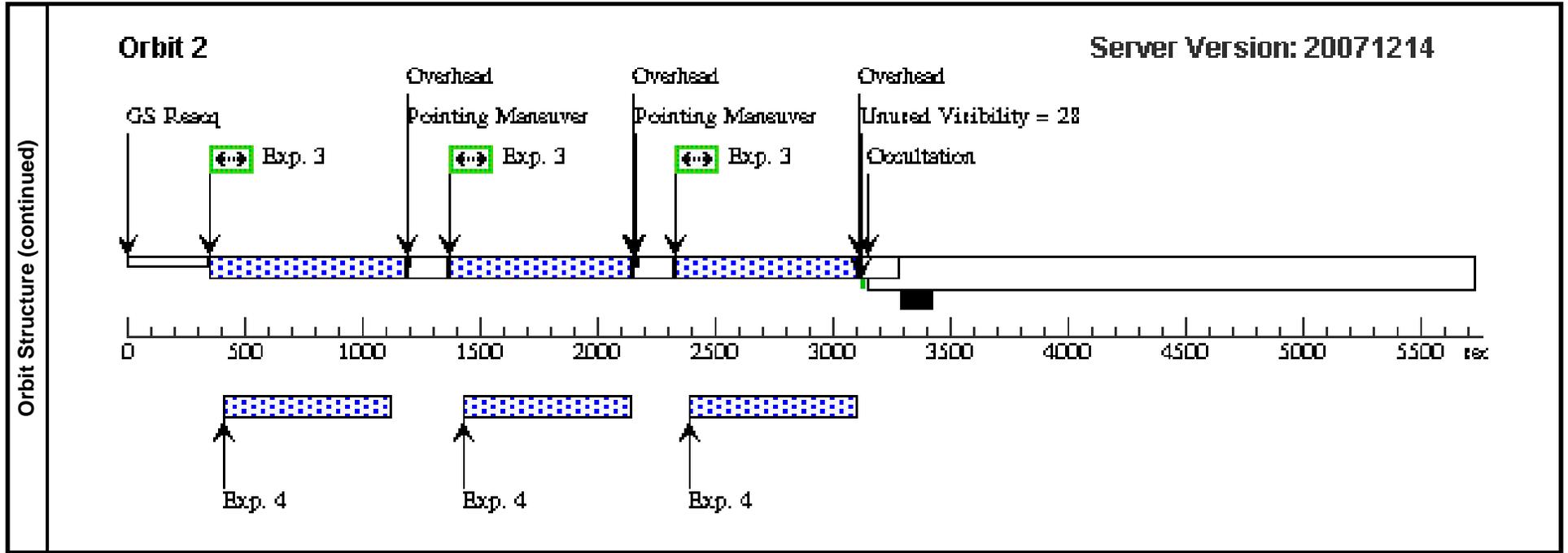
Fri Jan 18 07:37:32 GMT 2008

Visit	Proposal 11195, Visit 30, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: NIC2, WFPC2 Special Requirements: ORIENT 118.0D TO 40.0 D									
	Patterns	#	Primary Pattern				Secondary Pattern			Exposures
(2)		Pattern Type=NIC-SPIRAL-DITH Purpose=DITHER Number Of Points=2 Point Spacing=0.6375 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=0.0 Angle Between Sides= Center Pattern=false					(1-2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(15)	MIPS143143.3+324944 Alt Name1: Z3BUMPS173	RA: 14 31 43.3997 (217.9308321d) Dec: +32 49 44.29 (32.82897d) Equinox: J2000				V=(?) R = 26.01		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	Z3BUMP17 3_3	(15) MIPS143143.3+ 324944	NIC2, MULTIACCUM, NIC2	F160W	NSAMP=23; SAMP-SEQ=SPAR S64		Pattern 1-2 (2) Prime + Parallel Gro up 1-2	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
2	Z3BUMP17 3_3p	(15) MIPS143143.3+ 324944	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=.55		Pattern 1-2 (2) Prime + Parallel Gro up 1-2	1500.0 Secs [==>400.0 Secs (Pattern 1, Split 1)] [==>500.0 Secs (Pattern 1, Split 2)] [==>500.0 Secs (Pattern 2, Split 1)] [==>500.0 Secs (Pattern 2, Split 2)]	[1]	



Visit		Proposal 11195, Visit 31, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2, NIC3 Special Requirements: ORIENT 160.0D TO 308.0 D								
Patterns	#	Primary Pattern			Secondary Pattern		Exposures			
	(1)	Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.3535 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false				(1-2), (3-4)			
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(16)	MIPS143020.4+330344 Alt Name1: Z3BUMPS282	RA: 14 30 20.4907 (217.5853779d) Dec: +33 03 44.17 (33.06227d) Equinox: J2000		V=(?) R = 26.79	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	Z3BUMP28 2_1	(16) MIPS143020.4+ 330344	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Gro up 1-2	700.0 Secs [==>700.0 Secs (Pattern 1)] [==>600.0 Secs (Pattern 2)] [==>600.0 Secs (Pattern 3)]	[1]
	2	Z3BUMP28 2_1p	(16) MIPS143020.4+ 330344	NIC3, MULTIACCUM, NIC3	F160W	NSAMP=13; SAMP-SEQ=SPAR S64		Pattern 1-2 (1) Prime + Parallel Gro up 1-2	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	3	Z3BUMP28 2_2	(16) MIPS143020.4+ 330344	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO	POS TARG -0.25,0. 25	Pattern 3-4 (1) Prime + Parallel Gro up 3-4	700.0 Secs [==>700.0 Secs (Pattern 1)] [==>600.0 Secs (Pattern 2)] [==>600.0 Secs (Pattern 3)]	[2]
4	Z3BUMP28 2_2p	(16) MIPS143020.4+ 330344	NIC3, MULTIACCUM, NIC3	F160W	NSAMP=13; SAMP-SEQ=SPAR S64		Pattern 3-4 (1) Prime + Parallel Gro up 3-4	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[2]	



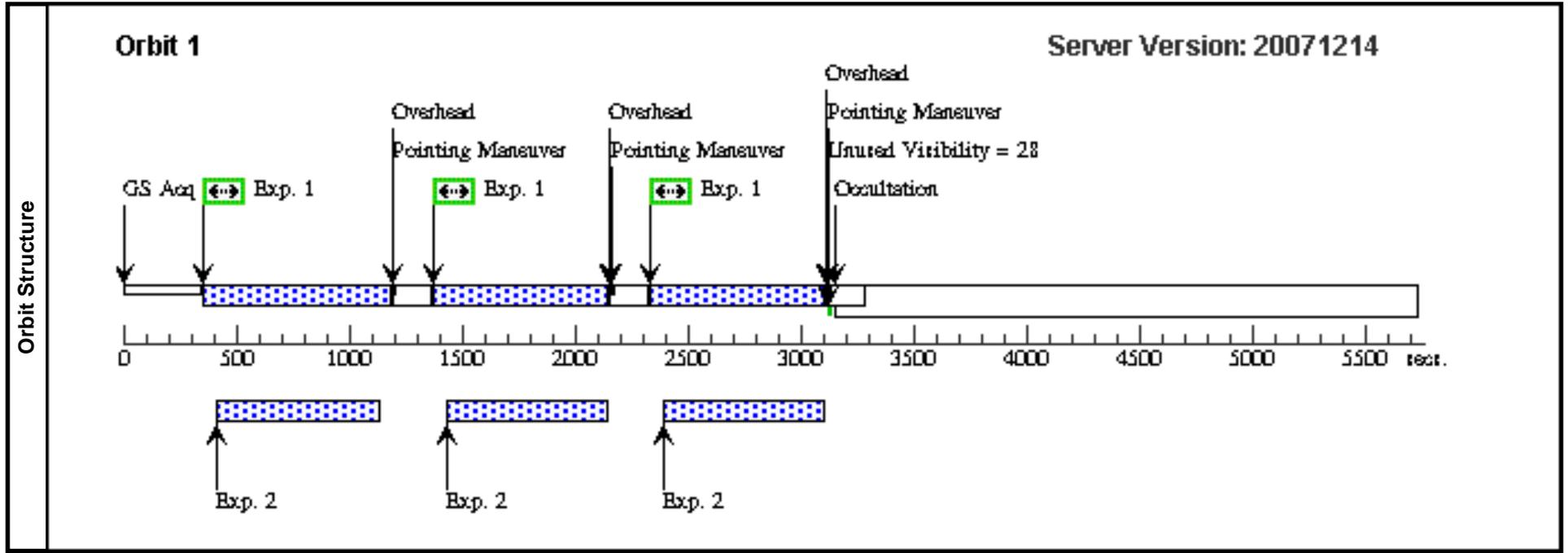


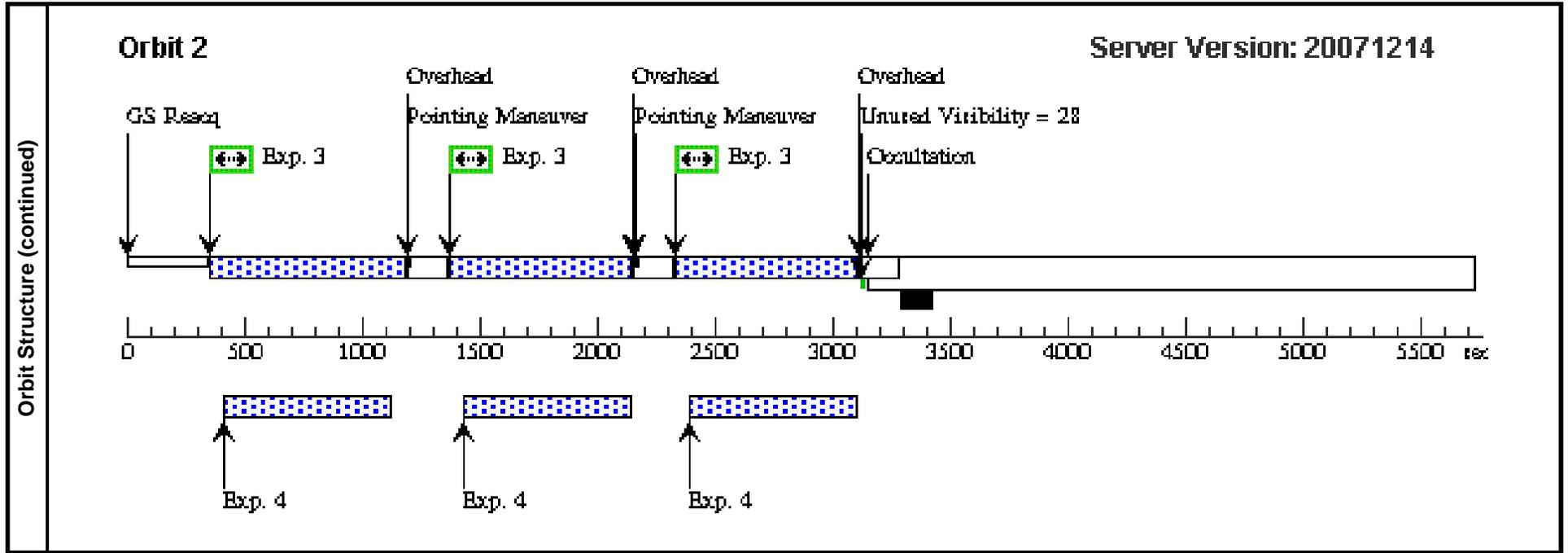
Proposal 11195 - Visit 32 - Morphologies of the Most Extreme High-Redshift Mid-IR-luminous Galaxies II: The 'Bump' So...

Fri Jan 18 07:37:32 GMT 2008

Visit	Proposal 11195, Visit 32, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: NIC2, WFPC2 Special Requirements: ORIENT 302.0D TO 270.0 D										
	Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
		(2)	Pattern Type=NIC-SPIRAL-DITH	Coordinate Frame=POS-TARG							(1-2)
		Purpose=DITHER	Pattern Orientation=0.0								
		Number Of Points=2	Angle Between Sides=								
		Point Spacing=0.6375	Center Pattern=false								
		Line Spacing=									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
	(16)	MIPS143020.4+330344	RA: 14 30 20.4907 (217.5853779d)		V=(?)	Reference Frame: ICRS					
		Alt Name1: Z3BUMPS282	Dec: +33 03 44.17 (33.06227d)		R = 26.79						
			Equinox: J2000								
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	Z3BUMP28 2_3	(16) MIPS143020.4+ 330344	NIC2, MULTIACCUM, NIC2	F160W	NSAMP=23; SAMP-SEQ=SPAR S64		Pattern 1-2 (2) Prime + Parallel Gro up 1-2	[==>(Pattern 1)] [==>(Pattern 2)]		[1]
	2	Z3BUMP28 2_3p	(16) MIPS143020.4+ 330344	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=.55		Pattern 1-2 (2) Prime + Parallel Gro up 1-2	1500.0 Secs [==>400.0 Secs (Pattern 1, Split 1)] [==>500.0 Secs (Pattern 1, Split 2)] [==>500.0 Secs (Pattern 2, Split 1)] [==>500.0 Secs (Pattern 2, Split 2)]		[1]

Visit		Proposal 11195, Visit 33, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2, NIC3 Special Requirements: ORIENT 0.0D TO 358.0 D								
Patterns	#	Primary Pattern		Secondary Pattern	Exposures					
	(1)	Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.3535 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false		(1-2), (3-4)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(17)	MIPS142637.3+3333025 Alt Name1: Z3.2	RA: 14 26 37.3500 (216.6556250d) Dec: +33 30 25.60 (33.50711d) Equinox: J2000	Redshift: 3.2	V=(?) R = 27.09	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	Z3BUMP52 3_1	(17) MIPS142637.3+ 3333025	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Gro up 1-2	700.0 Secs [==>700.0 Secs (Pattern 1)] [==>600.0 Secs (Pattern 2)] [==>600.0 Secs (Pattern 3)]	[1]
	2	Z3BUMP52 3_1p	(17) MIPS142637.3+ 3333025	NIC3, MULTIACCUM, NIC3	F160W	NSAMP=13; SAMP-SEQ=SPAR S64		Pattern 1-2 (1) Prime + Parallel Gro up 1-2	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	3	Z3BUMP52 3_2	(17) MIPS142637.3+ 3333025	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO	POS TARG -0.25,0. 25	Pattern 3-4 (1) Prime + Parallel Gro up 3-4	700.0 Secs [==>700.0 Secs (Pattern 1)] [==>600.0 Secs (Pattern 2)] [==>600.0 Secs (Pattern 3)]	[2]
4	Z3BUMP52 3_2p	(17) MIPS142637.3+ 3333025	NIC3, MULTIACCUM, NIC3	F160W	NSAMP=13; SAMP-SEQ=SPAR S64		Pattern 3-4 (1) Prime + Parallel Gro up 3-4	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[2]	

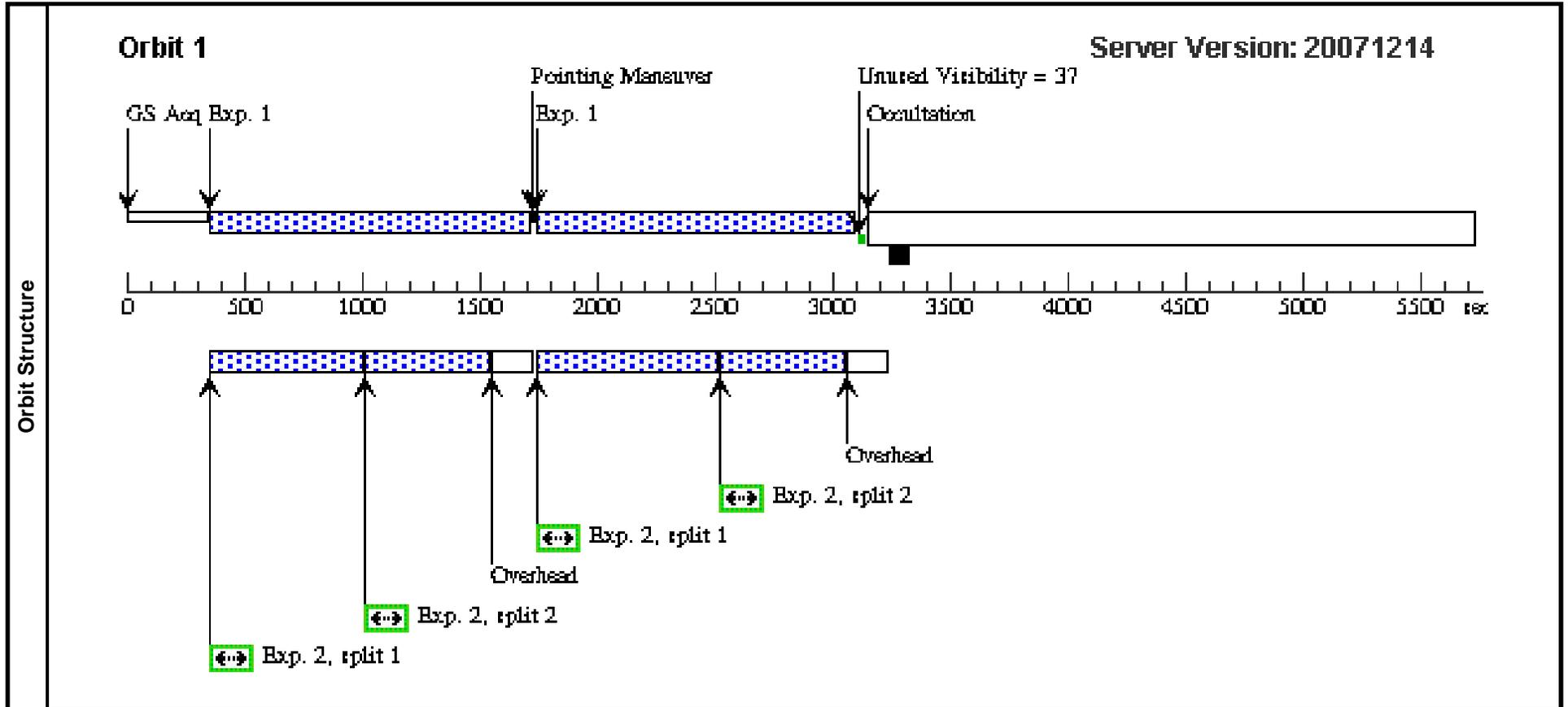




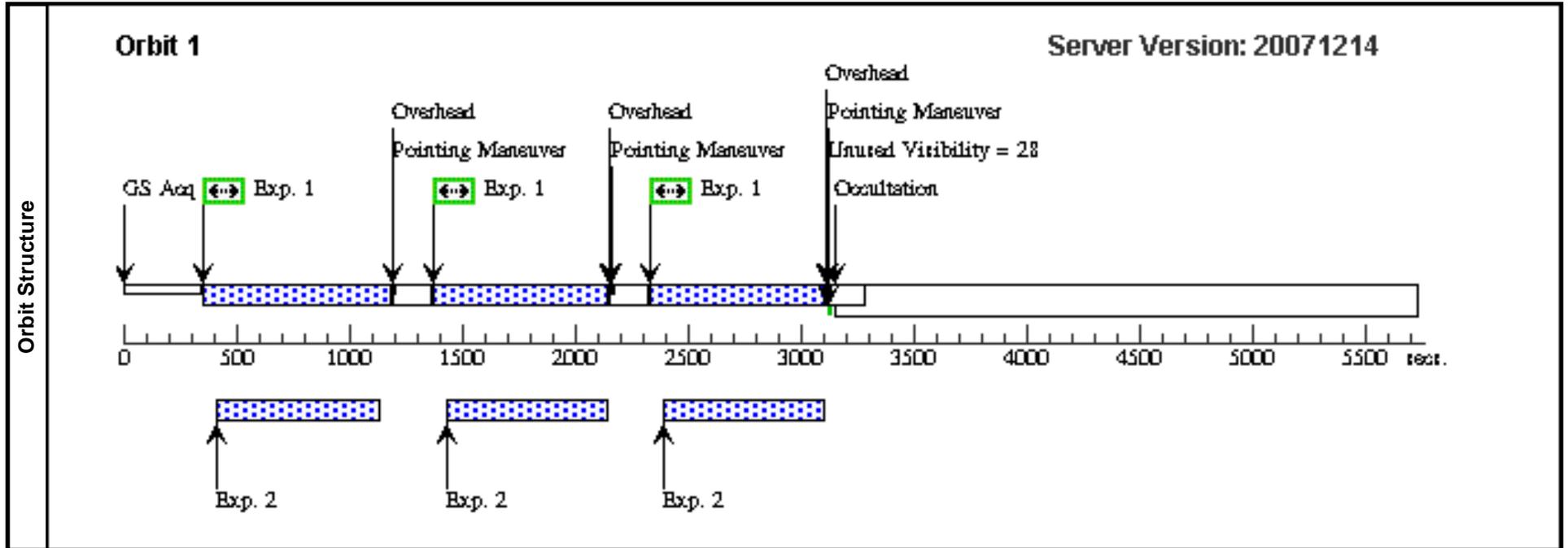
Proposal 11195 - Visit 34 - Morphologies of the Most Extreme High-Redshift Mid-IR-luminous Galaxies II: The 'Bump' So...

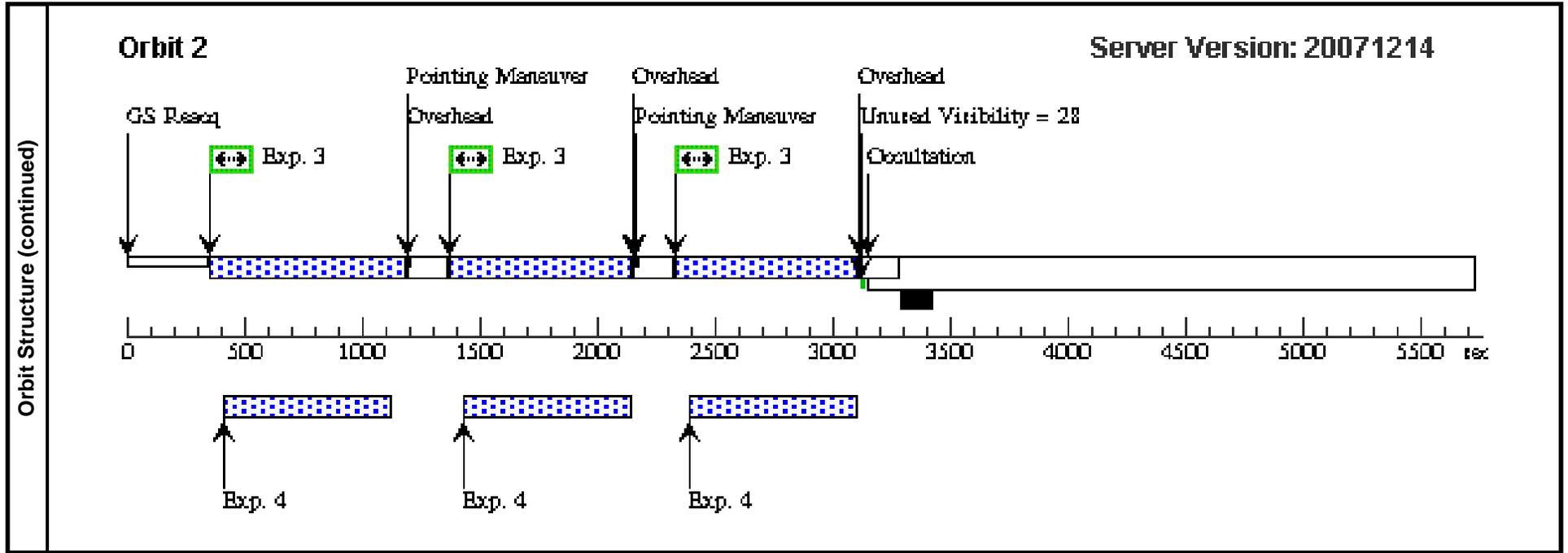
Fri Jan 18 07:37:33 GMT 2008

Visit	Proposal 11195, Visit 34, implementation Diagnostic Status: No Diagnostics Scientific Instruments: NIC2, WFPC2 Special Requirements: ORIENT 220.0D TO 170.0 D										
	Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
		(2)	Pattern Type=NIC-SPIRAL-DITH	Coordinate Frame=POS-TARG							(1-2)
		Purpose=DITHER	Pattern Orientation=0.0								
		Number Of Points=2	Angle Between Sides=								
		Point Spacing=0.6375	Center Pattern=false								
		Line Spacing=									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections	Fluxes		Miscellaneous			
	(17)	MIPS142637.3+3333025	RA: 14 26 37.3500 (216.6556250d)		Redshift: 3.2	V=(?)		Reference Frame: ICRS			
		Alt Name1: Z3.2	Dec: +33 30 25.60 (33.50711d)			R = 27.09					
			Equinox: J2000								
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	Z3BUMP52 3_3	(17) MIPS142637.3+ 3333025	NIC2, MULTIACCUM, NIC2	F160W	NSAMP=23; SAMP-SEQ=SPAR S64		Pattern 1-2 (2) Prime + Parallel Gro up 1-2	[==>(Pattern 1)] [==>(Pattern 2)]		[1]
	2	Z3BUMP52 3_3p	(17) MIPS142637.3+ 3333025	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=.55		Pattern 1-2 (2) Prime + Parallel Gro up 1-2	1500.0 Secs [==>400.0 Secs (Pattern 1, Split 1)] [==>500.0 Secs (Pattern 1, Split 2)] [==>500.0 Secs (Pattern 2, Split 1)] [==>500.0 Secs (Pattern 2, Split 2)]		[1]



Visit		Proposal 11195, Visit 35, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2, NIC3 Special Requirements: ORIENT 140.0D TO 14.0 D								
Patterns	#	Primary Pattern			Secondary Pattern		Exposures			
	(1)	Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.3535 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false				(1-2), (3-4)			
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(18)	MIPS143816.6+333700 Alt Name1: Z3BUMPS606	RA: 14 38 16.6980 (219.5695750d) Dec: +33 37 0.59 (33.61683d) Equinox: J2000		V=(?) R = 24.61	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	Z3BUMP60 6_1	(18) MIPS143816.6+ 333700	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Gro up 1-2	700.0 Secs [==>700.0 Secs (Pattern 1)] [==>600.0 Secs (Pattern 2)] [==>600.0 Secs (Pattern 3)]	[1]
	2	Z3BUMP60 6_1p	(18) MIPS143816.6+ 333700	NIC3, MULTIACCUM, NIC3	F160W	NSAMP=13; SAMP-SEQ=SPAR S64		Pattern 1-2 (1) Prime + Parallel Gro up 1-2	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	3	Z3BUMP60 6_2	(18) MIPS143816.6+ 333700	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO	POS TARG -0.25,0. 25	Pattern 3-4 (1) Prime + Parallel Gro up 3-4	700.0 Secs [==>700.0 Secs (Pattern 1)] [==>600.0 Secs (Pattern 2)] [==>600.0 Secs (Pattern 3)]	[2]
4	Z3BUMP60 6_2p	(18) MIPS143816.6+ 333700	NIC3, MULTIACCUM, NIC3	F160W	NSAMP=13; SAMP-SEQ=SPAR S64		Pattern 3-4 (1) Prime + Parallel Gro up 3-4	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[2]	



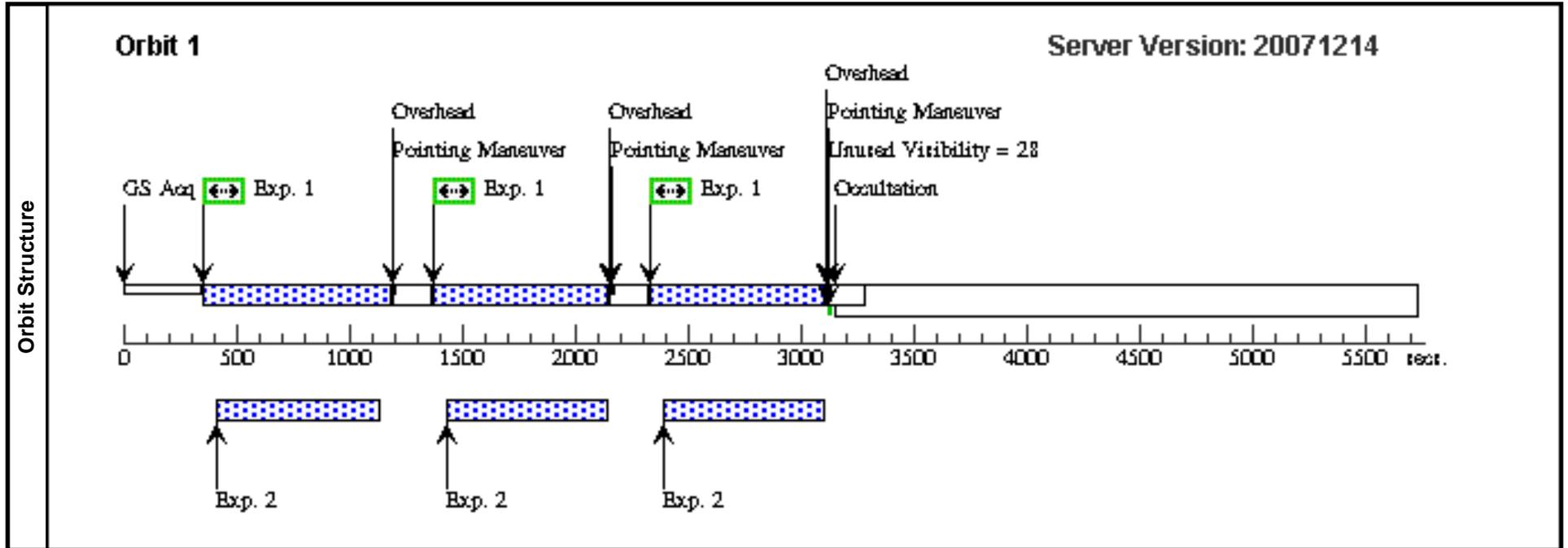


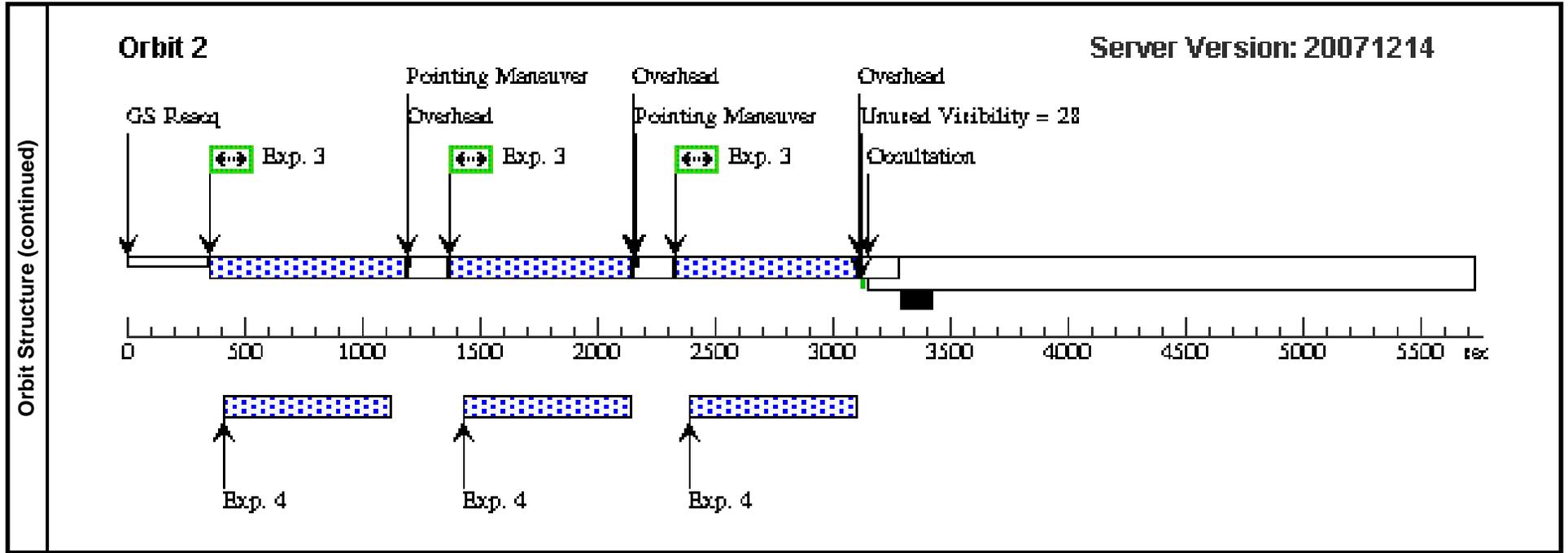
Proposal 11195 - Visit 36 - Morphologies of the Most Extreme High-Redshift Mid-IR-luminous Galaxies II: The 'Bump' So...

Fri Jan 18 07:37:34 GMT 2008

Visit	Proposal 11195, Visit 36, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: NIC2, WFPC2 Special Requirements: ORIENT 125.0D TO 350.0 D; ORIENT 50.0D TO 90.0 D										
	Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
		(2)	Pattern Type=NIC-SPIRAL-DITH Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=0.0 Number Of Points=2 Angle Between Sides= Point Spacing=0.6375 Center Pattern=false Line Spacing=							(1-2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(18)	MIPS143816.6+333700 Alt Name1: Z3BUMPS606	RA: 14 38 16.6980 (219.5695750d) Dec: +33 37 0.59 (33.61683d) Equinox: J2000				V=(?) R = 24.61		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	Z3BUMP60_6_3	(18) MIPS143816.6+333700	NIC2, MULTIACCUM, NIC2	F160W	NSAMP=23; SAMP-SEQ=SPAR S64		Pattern 1-2 (2) Prime + Parallel Group 1-2	[==>(Pattern 1)] [==>(Pattern 2)]	[1]	
2	Z3BUMP60_6_3p	(18) MIPS143816.6+333700	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=.55		Pattern 1-2 (2) Prime + Parallel Group 1-2	1500.0 Secs [==>400.0 Secs (Pattern 1, Split 1)] [==>500.0 Secs (Pattern 1, Split 2)] [==>500.0 Secs (Pattern 2, Split 1)] [==>500.0 Secs (Pattern 2, Split 2)]	[1]		

Visit		Proposal 11195, Visit 37, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2, NIC3 Special Requirements: ORIENT 125.0D TO 257.0 D; ORIENT 305.0D TO 350.0 D								
Patterns	#	Primary Pattern			Secondary Pattern		Exposures			
	(1)	Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.3535 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false			(1-2), (3-4)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(19)	MIPS143216.8+335231 Alt Name1: Z3BUMPS779	RA: 14 32 16.8970 (218.0704042d) Dec: +33 52 31.30 (33.87536d) Equinox: J2000		V=(?) R = 24.68	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	Z3BUMP77 9_1	(19) MIPS143216.8+ 335231	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Gro up 1-2	700.0 Secs [==>700.0 Secs (Pattern 1)] [==>600.0 Secs (Pattern 2)] [==>600.0 Secs (Pattern 3)]	[1]
	2	Z3BUMP77 9_1p	(19) MIPS143216.8+ 335231	NIC3, MULTIACCUM, NIC3	F160W	NSAMP=13; SAMP-SEQ=SPAR S64		Pattern 1-2 (1) Prime + Parallel Gro up 1-2	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	3	Z3BUMP77 9_2	(19) MIPS143216.8+ 335231	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO	POS TARG -0.25,0. 25	Pattern 3-4 (1) Prime + Parallel Gro up 3-4	700.0 Secs [==>700.0 Secs (Pattern 1)] [==>600.0 Secs (Pattern 2)] [==>600.0 Secs (Pattern 3)]	[2]
4	Z3BUMP77 9_2p	(19) MIPS143216.8+ 335231	NIC3, MULTIACCUM, NIC3	F160W	NSAMP=13; SAMP-SEQ=SPAR S64		Pattern 3-4 (1) Prime + Parallel Gro up 3-4	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[2]	

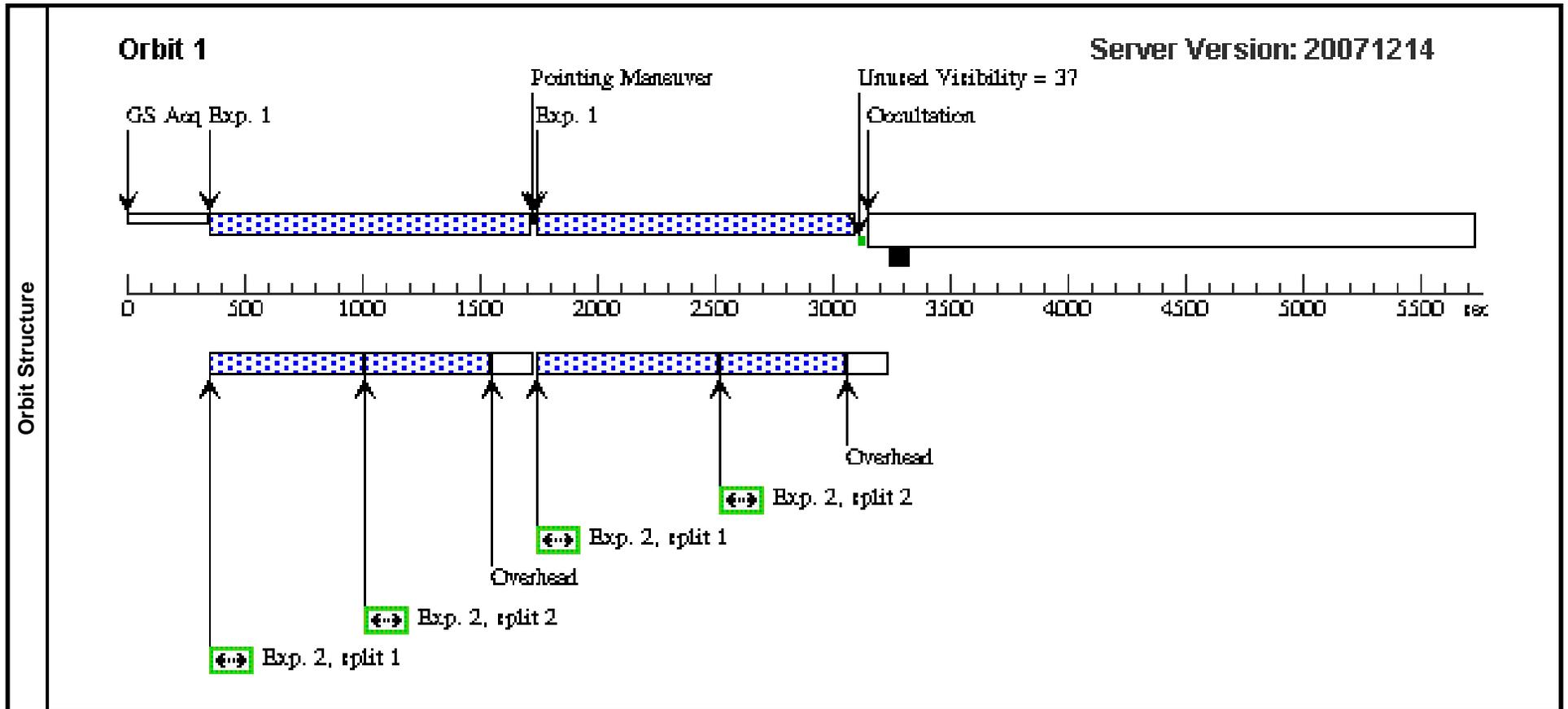




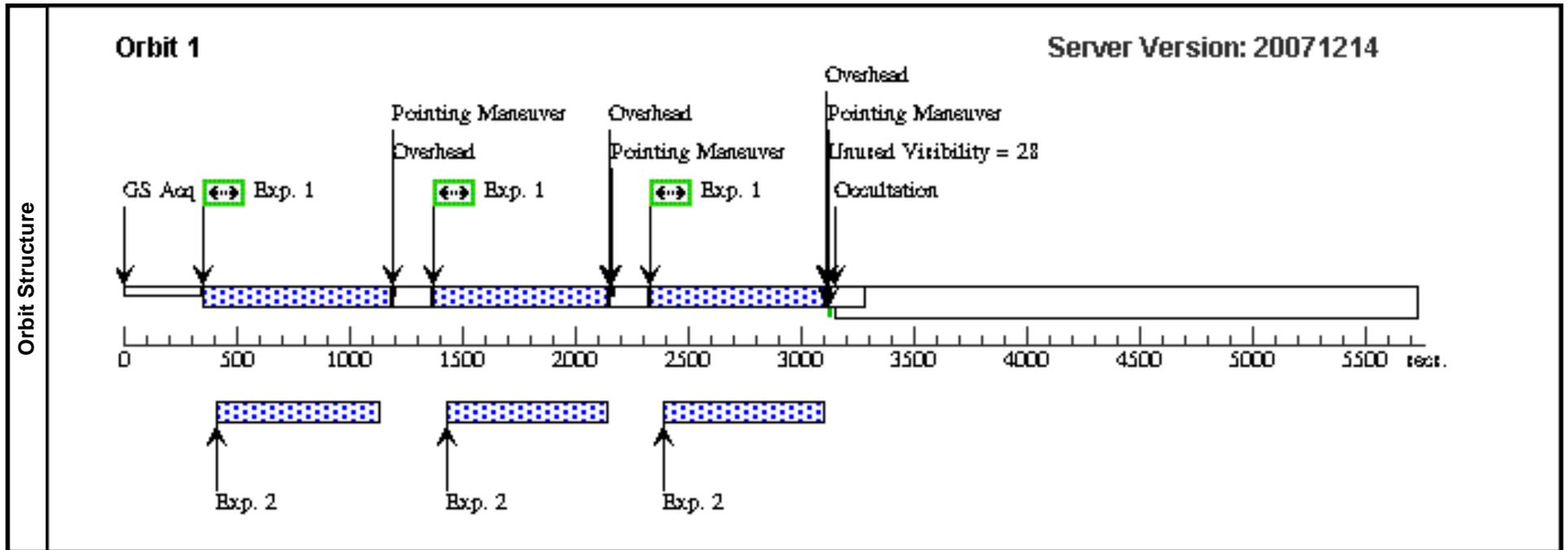
Proposal 11195 - Visit 38 - Morphologies of the Most Extreme High-Redshift Mid-IR-luminous Galaxies II: The 'Bump' So...

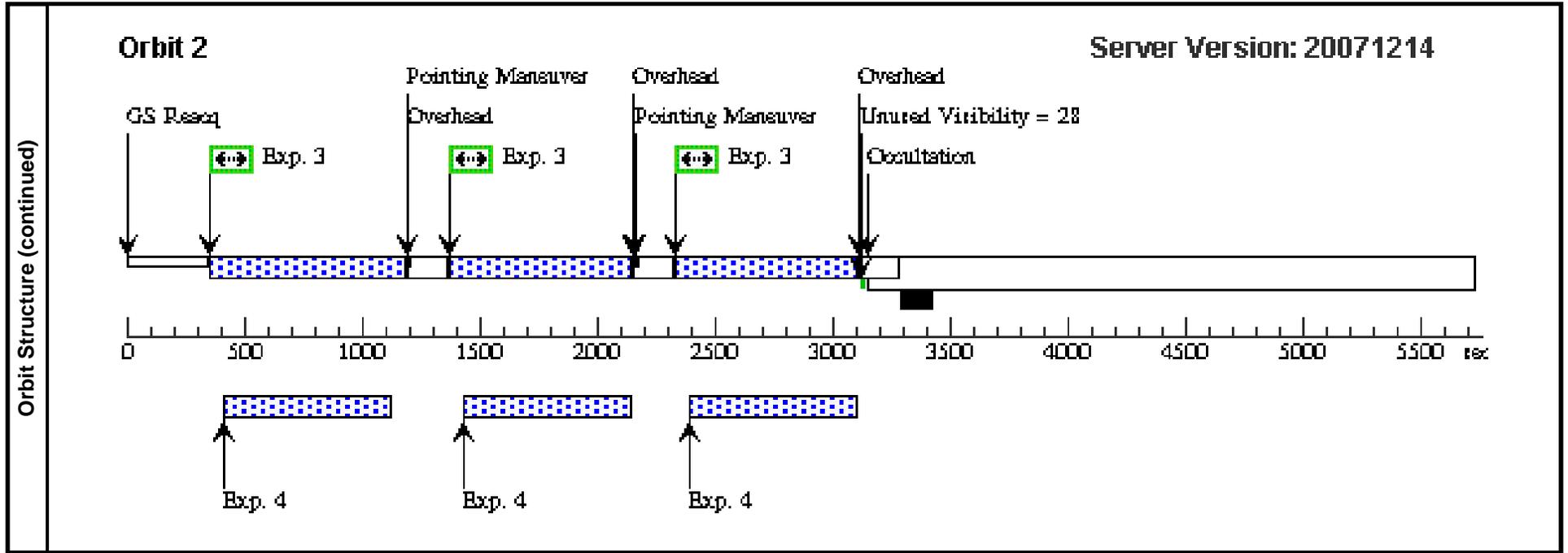
Fri Jan 18 07:37:34 GMT 2008

Visit		Proposal 11195, Visit 38, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: NIC2, WFPC2 Special Requirements: ORIENT 121.0D TO 180.0 D; ORIENT 215.0D TO 270.0 D; ORIENT 305.0D TO 85.0 D									
Patterns		#	Primary Pattern	Secondary Pattern	Exposures						
		(2)	Pattern Type=NIC-SPIRAL-DITH Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=0.0 Number Of Points=2 Angle Between Sides= Point Spacing=0.6375 Center Pattern=false Line Spacing=		(1-2)						
Fixed Targets		#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
		(19)	MIPS143216.8+335231 Alt Name1: Z3BUMPS779	RA: 14 32 16.8970 (218.0704042d) Dec: +33 52 31.30 (33.87536d) Equinox: J2000		V=(?) R = 24.68	Reference Frame: ICRS				
Exposures		#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
		1	Z3BUMP77 9_3	(19) MIPS143216.8+ 335231	NIC2, MULTIACCUM, NIC2	F160W	NSAMP=23; SAMP-SEQ=SPAR S64		Pattern 1-2 (2) Prime + Parallel Gro up 1-2	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
		2	Z3BUMP77 9_3p	(19) MIPS143216.8+ 335231	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=.55		Pattern 1-2 (2) Prime + Parallel Gro up 1-2	1500.0 Secs [==>400.0 Secs (Pattern 1, Split 1)] [==>500.0 Secs (Pattern 1, Split 2)] [==>500.0 Secs (Pattern 2, Split 1)] [==>500.0 Secs (Pattern 2, Split 2)]	[1]



Visit		Proposal 11195, Visit 39, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2, NIC3 Special Requirements: ORIENT 0.0D TO 358.0 D								
Patterns	#	Primary Pattern		Secondary Pattern		Exposures				
	(1)	Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.3535 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false			(1-2), (3-4)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(20)	MIPS143028.5+343221	RA: 14 30 28.5350 (217.6188958d) Dec: +34 32 21.30 (34.53925d) Equinox: J2000	Redshift: 2.18	V=(?) R = 25.10	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	Z3BUMP10_0_1	(20) MIPS143028.5+343221	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Group 1-2	700.0 Secs [==>700.0 Secs (Pattern 1)] [==>600.0 Secs (Pattern 2)] [==>600.0 Secs (Pattern 3)]	[1]
	2	Z3BUMP10_0_1p	(20) MIPS143028.5+343221	NIC3, MULTIACCUM, NIC3	F160W	NSAMP=13; SAMP-SEQ=SPAR S64		Pattern 1-2 (1) Prime + Parallel Group 1-2	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	3	Z3BUMP10_0_2	(20) MIPS143028.5+343221	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO	POS TARG -0.25,0.25	Pattern 3-4 (1) Prime + Parallel Group 3-4	700.0 Secs [==>700.0 Secs (Pattern 1)] [==>600.0 Secs (Pattern 2)] [==>600.0 Secs (Pattern 3)]	[2]
4	Z3BUMP10_0_2p	(20) MIPS143028.5+343221	NIC3, MULTIACCUM, NIC3	F160W	NSAMP=13; SAMP-SEQ=SPAR S64		Pattern 3-4 (1) Prime + Parallel Group 3-4	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[2]	

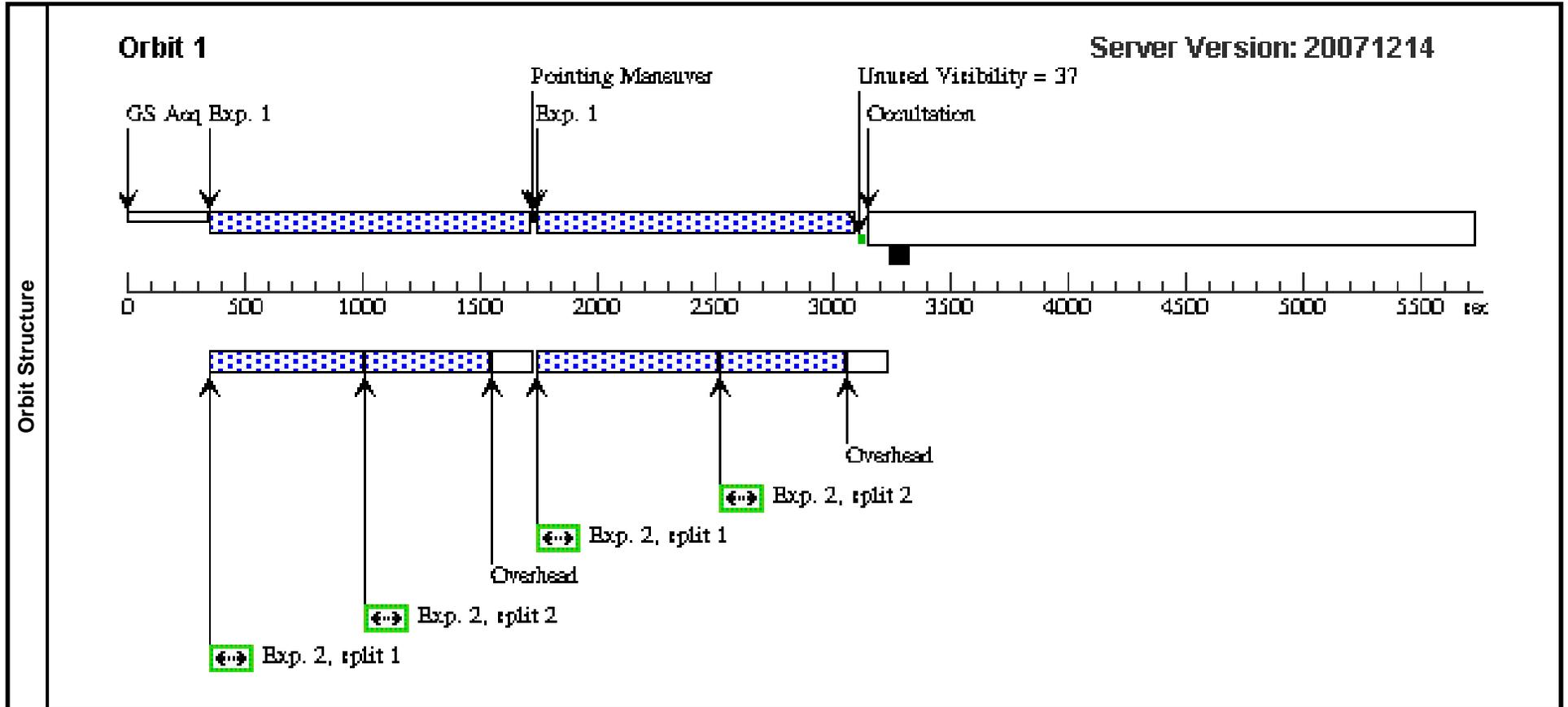




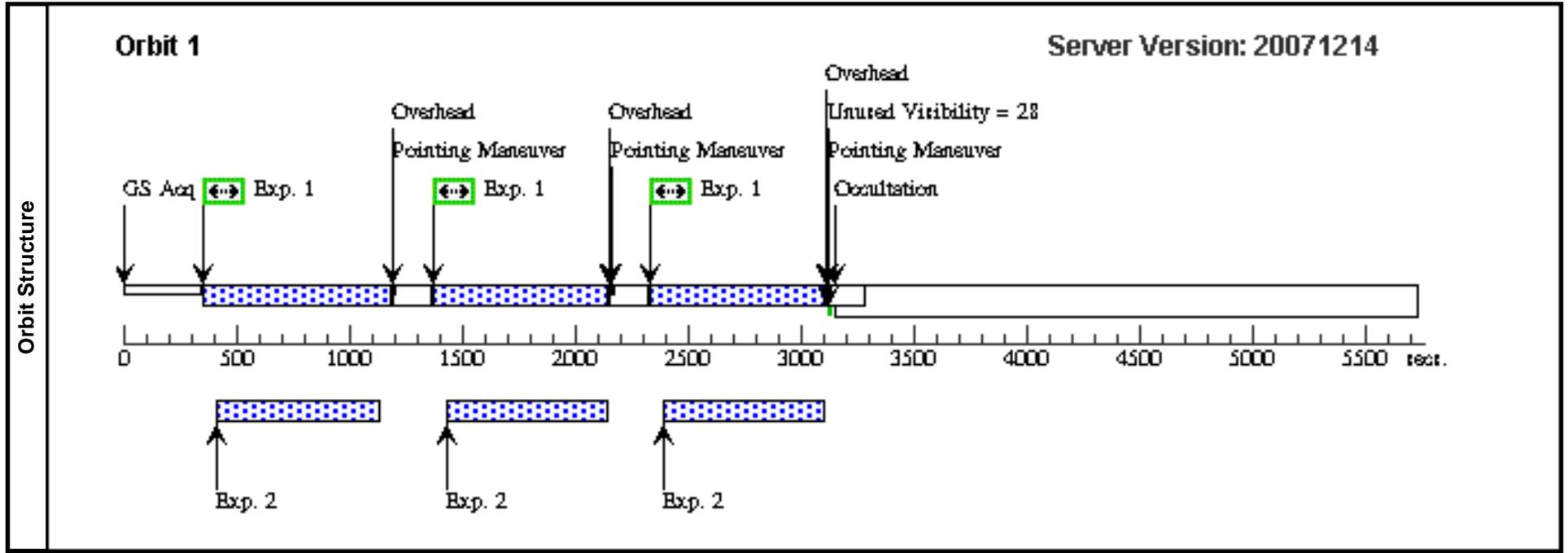
Proposal 11195 - Visit 40 - Morphologies of the Most Extreme High-Redshift Mid-IR-luminous Galaxies II: The 'Bump' So...

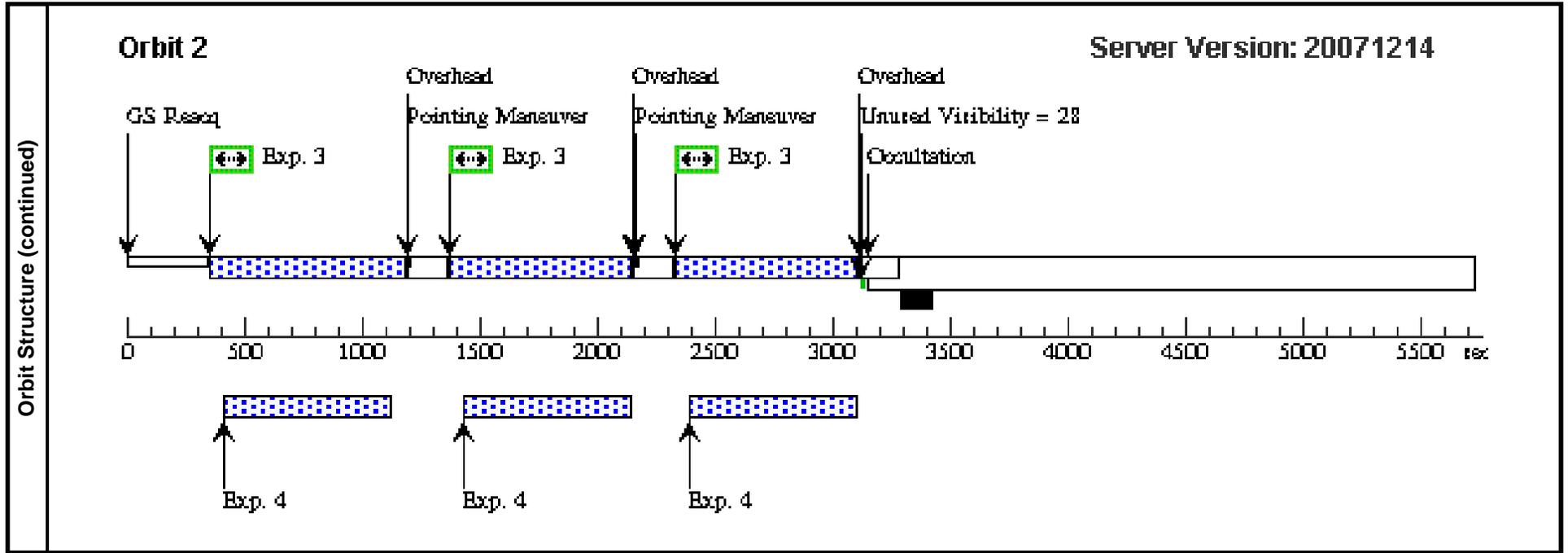
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Visit	Proposal 11195, Visit 40, implementation Diagnostic Status: No Diagnostics Scientific Instruments: NIC2, WFPC2 Special Requirements: ORIENT 0.0D TO 358.0 D										
	Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
		(2)	Pattern Type=NIC-SPIRAL-DITH	Coordinate Frame=POS-TARG							(1-2)
		Purpose=DITHER	Pattern Orientation=0.0								
		Number Of Points=2	Angle Between Sides=								
		Point Spacing=0.6375	Center Pattern=false								
		Line Spacing=									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections	Fluxes		Miscellaneous			
	(20)	MIPS143028.5+343221	RA: 14 30 28.5350 (217.6188958d)	Dec: +34 32 21.30 (34.53925d)	Redshift: 2.18	V=?	R = 25.10	Reference Frame: ICRS			
			Equinox: J2000								
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	Z3BUMP10_0_3	(20) MIPS143028.5+343221	NIC2, MULTIACCUM, NIC2	F160W	NSAMP=23; SAMP-SEQ=SPAR S64		Pattern 1-2 (2) Prime + Parallel Group 1-2	[==>(Pattern 1)] [==>(Pattern 2)]	[1]	
	2	Z3BUMP10_0_3p	(20) MIPS143028.5+343221	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=.55		Pattern 1-2 (2) Prime + Parallel Group 1-2	1500.0 Secs [==>400.0 Secs (Pattern 1, Split 1)] [==>500.0 Secs (Pattern 1, Split 2)] [==>500.0 Secs (Pattern 2, Split 1)] [==>500.0 Secs (Pattern 2, Split 2)]	[1]	

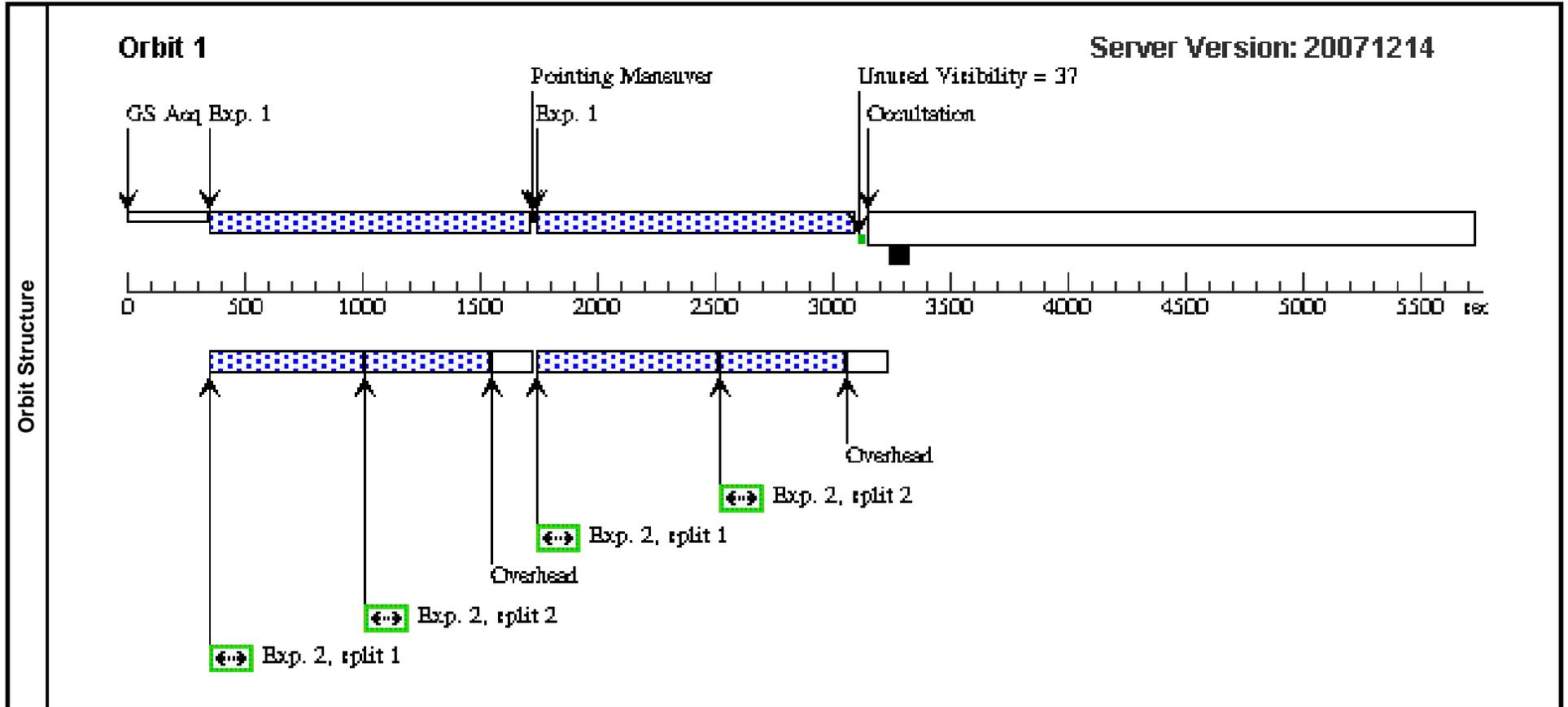


Visit		Proposal 11195, Visit 41, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2, NIC3 Special Requirements: ORIENT 120.0D TO 140.0 D; ORIENT 210.0D TO 305.0 D								
Patterns	#	Primary Pattern			Secondary Pattern		Exposures			
	(1)	Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.3535 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false					(1-2), (3-4)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(21)	MIPS143702.0+344631 Alt Name1: Z3BUMPS1447	RA: 14 37 2.0110 (219.2583792d) Dec: +34 46 31.30 (34.77536d) Equinox: J2000		V=(?) R = 27.71	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	Z3BUMP14 4_1	(21) MIPS143702.0+ 344631	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Gro up 1-2	700.0 Secs [==>700.0 Secs (Pattern 1)] [==>600.0 Secs (Pattern 2)] [==>600.0 Secs (Pattern 3)]	[1]
	2	Z3BUMP14 4_1p	(21) MIPS143702.0+ 344631	NIC3, MULTIACCUM, NIC3	F160W	NSAMP=13; SAMP-SEQ=SPAR S64		Pattern 1-2 (1) Prime + Parallel Gro up 1-2	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	3	Z3BUMP14 4_2	(21) MIPS143702.0+ 344631	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO	POS TARG -0.25,0. 25	Pattern 3-4 (1) Prime + Parallel Gro up 3-4	700.0 Secs [==>700.0 Secs (Pattern 1)] [==>600.0 Secs (Pattern 2)] [==>600.0 Secs (Pattern 3)]	[2]
4	Z3BUMP14 4_2p	(21) MIPS143702.0+ 344631	NIC3, MULTIACCUM, NIC3	F160W	NSAMP=13; SAMP-SEQ=SPAR S64		Pattern 3-4 (1) Prime + Parallel Gro up 3-4	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[2]	

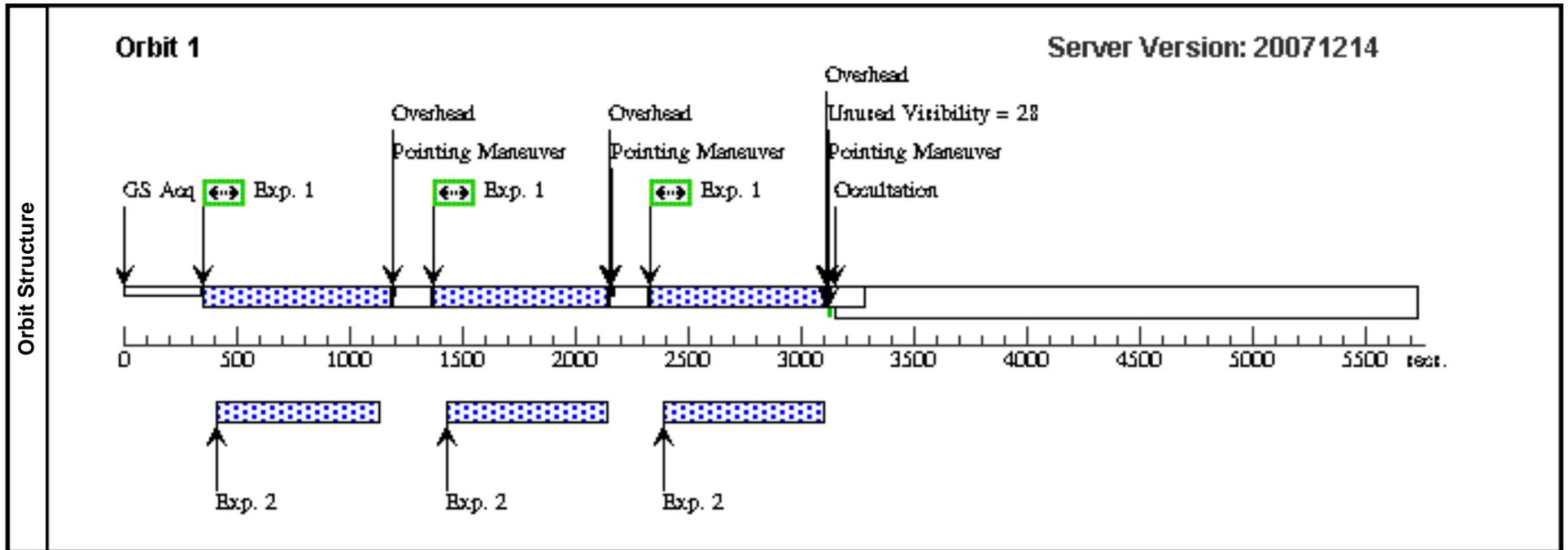


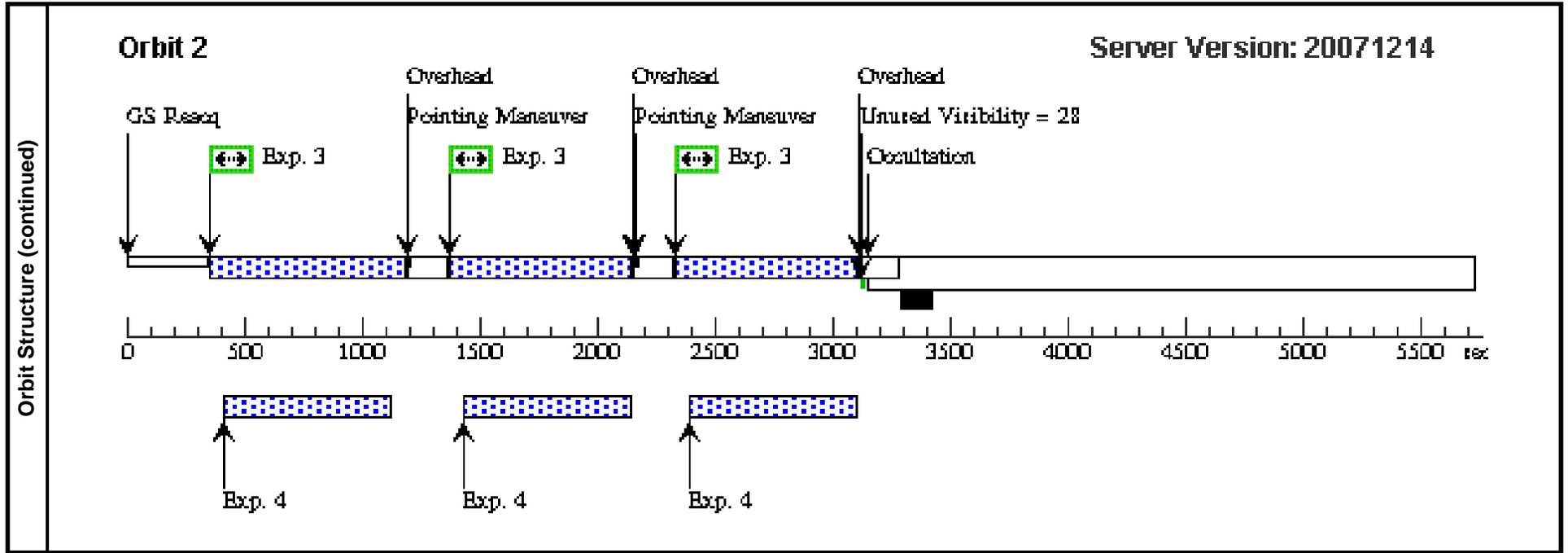


Visit	Proposal 11195, Visit 42, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: NIC2, WFPC2 Special Requirements: ORIENT 170.0D TO 60.0 D									
	Patterns	#	Primary Pattern				Secondary Pattern			Exposures
(2)		Pattern Type=NIC-SPIRAL-DITH Purpose=DITHER Number Of Points=2 Point Spacing=0.6375 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=0.0 Angle Between Sides= Center Pattern=false					(1-2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(21)	MIPS143702.0+344631 Alt Name1: Z3BUMPS1447	RA: 14 37 2.0110 (219.2583792d) Dec: +34 46 31.30 (34.77536d) Equinox: J2000				V=(?) R = 27.71		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	Z3BUMP14 4_3	(21) MIPS143702.0+ 344631	NIC2, MULTIACCUM, NIC2	F160W	NSAMP=23; SAMP-SEQ=SPAR S64		Pattern 1-2 (2) Prime + Parallel Gro up 1-2	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
2	Z3BUMP14 4_3p	(21) MIPS143702.0+ 344631	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=.55		Pattern 1-2 (2) Prime + Parallel Gro up 1-2	1500.0 Secs [==>400.0 Secs (Pattern 1, Split 1)] [==>500.0 Secs (Pattern 1, Split 2)] [==>500.0 Secs (Pattern 2, Split 1)] [==>500.0 Secs (Pattern 2, Split 2)]	[1]	



Visit		Proposal 11195, Visit 43, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2, NIC3 Special Requirements: ORIENT 84.0D TO 340.0 D								
Patterns	#	Primary Pattern		Secondary Pattern			Exposures			
	(1)	Pattern Type=WFPC2-LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.3535 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=45.0 Angle Between Sides= Center Pattern=false					(1-2), (3-4)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(22)	MIPS142652.4+345504 Alt Name1: Z3BUMPS1576	RA: 14 26 52.4231 (216.7184296d) Dec: +34 55 4.55 (34.91793d) Equinox: J2000		V=(?) R = 25.33	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	Z3BUMP15 7_1	(22) MIPS142652.4+ 345504	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Gro up 1-2	700.0 Secs [==>700.0 Secs (Pattern 1)] [==>600.0 Secs (Pattern 2)] [==>600.0 Secs (Pattern 3)]	[1]
	2	Z3BUMP15 7_1p	(22) MIPS142652.4+ 345504	NIC3, MULTIACCUM, NIC3	F160W	NSAMP=13; SAMP-SEQ=SPAR S64		Pattern 1-2 (1) Prime + Parallel Gro up 1-2	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	3	Z3BUMP15 7_2	(22) MIPS142652.4+ 345504	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO	POS TARG -0.25,0. 25	Pattern 3-4 (1) Prime + Parallel Gro up 3-4	700.0 Secs [==>700.0 Secs (Pattern 1)] [==>600.0 Secs (Pattern 2)] [==>600.0 Secs (Pattern 3)]	[2]
4	Z3BUMP15 7_2p	(22) MIPS142652.4+ 345504	NIC3, MULTIACCUM, NIC3	F160W	NSAMP=13; SAMP-SEQ=SPAR S64		Pattern 3-4 (1) Prime + Parallel Gro up 3-4	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[2]	





Visit		Proposal 11195, Visit 44, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: NIC2, WFPC2 Special Requirements: ORIENT 170.0D TO 330.0 D; ORIENT 10.0D TO 35.0 D								
Patterns	#	Primary Pattern		Secondary Pattern		Exposures				
	(2)	Pattern Type=NIC-SPIRAL-DITH Purpose=DITHER Number Of Points=2 Point Spacing=0.6375 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=0.0 Angle Between Sides= Center Pattern=false			(1-2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(22)	MIPS142652.4+345504 Alt Name1: Z3BUMPS1576	RA: 14 26 52.4231 (216.7184296d) Dec: +34 55 4.55 (34.91793d) Equinox: J2000		V=(?) R = 25.33	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	Z3BUMP15_7_3	(22) MIPS142652.4+345504	NIC2, MULTIACCUM, NIC2	F160W	NSAMP=23; SAMP-SEQ=SPAR S64			Pattern 1-2 (2) Prime + Parallel Group 1-2	[==>(Pattern 1)] [==>(Pattern 2)]
2	Z3BUMP15_7_3p	(22) MIPS142652.4+345504	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=.55			Pattern 1-2 (2) Prime + Parallel Group 1-2	1500.0 Secs [==>400.0 Secs (Pattern 1, Split 1)] [==>500.0 Secs (Pattern 1, Split 2)] [==>500.0 Secs (Pattern 2, Split 1)] [==>500.0 Secs (Pattern 2, Split 2)]	[1]

