



10889 - The Nature of the Halos and Thick Disks of Spiral Galaxies

Cycle: 15, Proposal Category: GO

(Large Program)

(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>
11	(11) IC5052-HALO-1 ANY	ACS/WFC WFPC2	2	17-Jan-2008 15:22:23.0	yes

Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
12	(12) IC5052-HALO-2 ANY	NIC1 NIC2 WFPC2	2	17-Jan-2008 15:22:30.0	yes
1A	(12) IC5052-HALO-2 ANY	NIC1 NIC2 WFPC2	2	17-Jan-2008 15:22:40.0	yes
1B	(12) IC5052-HALO-2 ANY	NIC1 NIC2 WFPC2	1	17-Jan-2008 15:22:44.0	yes
13	(13) IC5052-HALO-3	WFPC2	2	17-Jan-2008 15:22:47.0	yes
1C	(13) IC5052-HALO-3	WFPC2	2	17-Jan-2008 15:22:50.0	yes
1D	(13) IC5052-HALO-3	WFPC2	1	17-Jan-2008 15:22:52.0	yes
21	(21) NGC0891-HALO-1 ANY	ACS/WFC NIC1 NIC2 WFPC2	3	17-Jan-2008 15:23:00.0	yes
22	(22) NGC0891-HALO-2 ANY	NIC1 NIC2 WFPC2	2	17-Jan-2008 15:23:07.0	yes
2A	(22) NGC0891-HALO-2 ANY	NIC1 NIC2 WFPC2	2	17-Jan-2008 15:23:12.0	yes
2B	(22) NGC0891-HALO-2 ANY	NIC1 NIC2 WFPC2	2	17-Jan-2008 15:23:17.0	yes

Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
2C	(22) NGC0891-HALO-2 ANY	NIC1 NIC2 WFPC2	2	17-Jan-2008 15:23:26.0	yes
2D	(22) NGC0891-HALO-2 ANY	NIC1 NIC2 WFPC2	2	17-Jan-2008 15:23:31.0	yes
2E	(22) NGC0891-HALO-2 ANY	NIC1 NIC2 WFPC2	2	17-Jan-2008 15:23:35.0	yes
23	(23) NGC0891-HALO-3	WFPC2	2	17-Jan-2008 15:23:38.0	yes
2F	(23) NGC0891-HALO-3	WFPC2	2	17-Jan-2008 15:23:40.0	yes
2G	(23) NGC0891-HALO-3	WFPC2	2	17-Jan-2008 15:23:42.0	yes
2H	(23) NGC0891-HALO-3	WFPC2	2	17-Jan-2008 15:23:44.0	yes
2I	(23) NGC0891-HALO-3	WFPC2	2	17-Jan-2008 15:23:46.0	yes
2J	(23) NGC0891-HALO-3	WFPC2	2	17-Jan-2008 15:23:48.0	yes
24	(24) NGC0891-HALO-4	WFPC2	2	17-Jan-2008 15:23:50.0	yes
2K	(24) NGC0891-HALO-4	WFPC2	2	17-Jan-2008 15:23:52.0	yes
2L	(24) NGC0891-HALO-4	WFPC2	2	17-Jan-2008 15:23:53.0	yes
2M	(24) NGC0891-HALO-4	WFPC2	2	17-Jan-2008 15:23:55.0	yes
2N	(24) NGC0891-HALO-4	WFPC2	2	17-Jan-2008 15:23:57.0	yes
2O	(24) NGC0891-HALO-4	WFPC2	2	17-Jan-2008 15:23:59.0	yes
33	(33) NGC4565-HALO-3 ANY	ACS/WFC WFPC2	3	17-Jan-2008 15:24:03.0	yes

Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
3E	(33) NGC4565-HALO-3 ANY	ACS/WFC WFPC2	2	17-Jan-2008 15:24:08.0	yes
3F	(33) NGC4565-HALO-3 ANY	ACS/WFC WFPC2	2	17-Jan-2008 15:24:12.0	yes
34	(34) NGC4565-HALO-4 ANY	ACS/WFC WFPC2	3	17-Jan-2008 15:24:20.0	yes
3G	(34) NGC4565-HALO-4 ANY	ACS/WFC WFPC2	2	17-Jan-2008 15:24:24.0	yes
3H	(34) NGC4565-HALO-4 ANY	ACS/WFC WFPC2	2	17-Jan-2008 15:24:28.0	yes
35	(35) NGC4565-HALO-5 ANY	ACS/WFC WFPC2	3	17-Jan-2008 15:24:33.0	yes
3I	(35) NGC4565-HALO-5 ANY	ACS/WFC WFPC2	2	17-Jan-2008 15:24:37.0	yes
3J	(35) NGC4565-HALO-5 ANY	ACS/WFC WFPC2	2	17-Jan-2008 15:24:41.0	yes
41	(41) NGC4631-HALO-1 ANY	NIC1 NIC2 WFPC2	2	17-Jan-2008 15:24:45.0	yes
4A	(41) NGC4631-HALO-1 ANY	NIC1 NIC2 WFPC2	2	17-Jan-2008 15:24:49.0	yes

Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
4B	(41) NGC4631-HALO-1 ANY	NIC1 NIC2 WFPC2	2	17-Jan-2008 15:24:54.0	yes
4C	(41) NGC4631-HALO-1 ANY	NIC1 NIC2 WFPC2	1	17-Jan-2008 15:24:59.0	yes
42	(42) NGC4631-HALO-2	WFPC2	2	17-Jan-2008 15:25:01.0	yes
4D	(42) NGC4631-HALO-2	WFPC2	2	17-Jan-2008 15:25:03.0	yes
4E	(42) NGC4631-HALO-2	WFPC2	2	17-Jan-2008 15:25:05.0	yes
4F	(42) NGC4631-HALO-2	WFPC2	1	17-Jan-2008 15:25:06.0	yes
52	(52) NGC5907-HALO-2 ANY	ACS/WFC NIC1 NIC2 WFPC2	2	17-Jan-2008 15:25:12.0	yes
5C	(52) NGC5907-HALO-2 ANY	ACS/WFC NIC1 NIC2 WFPC2	2	17-Jan-2008 15:25:19.0	yes
5D	(52) NGC5907-HALO-2 ANY	ACS/WFC NIC1 NIC2 WFPC2	2	17-Jan-2008 15:25:26.0	yes
61	(61) NGC7090-HALO-1	WFPC2	2	17-Jan-2008 15:25:32.0	yes
6A	(61) NGC7090-HALO-1	WFPC2	1	17-Jan-2008 15:25:34.0	yes

Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
62	(62) NGC7090-HALO-2	WFPC2	2	17-Jan-2008 15:25:35.0	yes
6B	(62) NGC7090-HALO-2	WFPC2	2	17-Jan-2008 15:25:37.0	yes
6C	(62) NGC7090-HALO-2	WFPC2	2	17-Jan-2008 15:25:39.0	yes
6D	(62) NGC7090-HALO-2	WFPC2	2	17-Jan-2008 15:25:41.0	yes
71	(71) NGC7814-HALO-1 ANY	ACS/WFC NIC1 NIC2 WFPC2	2	17-Jan-2008 15:25:46.0	yes
7A	(71) NGC7814-HALO-1 ANY	ACS/WFC NIC1 NIC2 WFPC2	3	17-Jan-2008 15:25:55.0	yes
72	(72) NGC7814-HALO-2 ANY	ACS/WFC WFPC2	2	17-Jan-2008 15:26:00.0	yes
7B	(72) NGC7814-HALO-2 ANY	ACS/WFC WFPC2	3	17-Jan-2008 15:26:08.0	yes
73	(73) NGC7814-HALO-3 ANY	ACS/WFC WFPC2	2	17-Jan-2008 15:26:13.0	yes
7C	(73) NGC7814-HALO-3 ANY	ACS/WFC WFPC2	3	17-Jan-2008 15:26:18.0	yes
74	(74) NGC7814-HALO-4 ANY	ACS/WFC WFPC2	2	17-Jan-2008 15:26:22.0	yes
7D	(74) NGC7814-HALO-4 ANY	ACS/WFC WFPC2	3	17-Jan-2008 15:26:27.0	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>
75	(75) NGC7814-HALO-5 ANY	ACS/WFC WFPC2	2	17-Jan-2008 15:26:34.0	yes
7E	(75) NGC7814-HALO-5 ANY	ACS/WFC WFPC2	3	17-Jan-2008 15:26:39.0	yes

128 Total Orbits Used

ABSTRACT

We propose to resolve the extra-planar stellar populations of the thick disks and halos of seven nearby, massive, edge-on galaxies using ACS, NICMOS, and WFPC2 in parallel. These observations will provide accurate star counts and color-magnitude diagrams 1.5 magnitudes below the tip of the Red Giant Branch sampled along the two principal axes and one intermediate axis of each galaxy. We will measure the metallicity distribution functions and stellar density profiles from star counts down to very low average surface brightnesses, equivalent to ~ 32 V-mag per square arcsec.

These observations will provide the definitive HST study of extra-planar stellar populations of spiral galaxies. Our targets cover a range in galaxy mass, luminosity, and morphology and as function of these galaxy properties we will provide:

- The first systematic study of the radial and isophotal shapes of the diffuse stellar halos of spiral galaxies
- The most detailed comparative study to date of thick disk morphologies and stellar populations
- A comprehensive analysis of halo and thick disk metallicity distributions as a function of galaxy type and position within the galaxy.
- A sensitive search for tidal streams
- The first opportunity to directly relate globular cluster systems to their field stellar population

We will use these fossil records of the galaxy assembly process preserved in the old stellar populations to test halo and thick disk formation models within the hierarchical galaxy formation scheme. We will test LambdaCDM predictions on sub-galactic scales, where it is difficult to test using CMB and galaxy redshift surveys, and where it faces its most serious difficulties.

OBSERVING DESCRIPTION

We will obtain deep ACS/WFC F606W & F814W, NICMOS/NIC1/NIC2 F160W, and WFPC2 F606W images at 5 positions around each target, two on the minor axis, two on the major axis, and one in between. The ACS observations will provide the deepest star counts and the most accurate abundances along the principal axes; the NICMOS observations will constrain higher metallicity regions near the bulge and the thin disk truncation; and the WFPC2 star counts will be used to further constrain the halo shape (disky or elliptical). Our sample consists of all undisturbed edge-on ($i > 87$ degrees) disk galaxies with rotation speeds > 80 km/s, distance moduli less than 30.75 (to ensure reasonable exposure times), and Galactic extinction $A_V < 0.5$.

A significant fraction of the light of an old population comes from the upper RGB. We can thus use this bright tracer population to make accurate surface brightness measurements of a population by:

(1) counting the surface density of stellar objects in a well defined RGB magnitude and color range; (2) summing their total brightness after removing fore- and background objects; (3)

correcting for the light missing of the total population due to the limited magnitude range sampled. The average surface brightness that can be reached in this way is not limited by flat fielding and sky brightness, but by the accuracy with which we can remove contamination and sampling statistics.

Both stellar evolution models and globular cluster measurements show that the V-I colors of luminous RGB stars are substantially redder for metal-rich than for metal-poor populations, providing an excellent way to estimate the metallicity distribution of a stellar population. For metal rich populations optical--near-IR colors provide better metallicity resolution. We will obtain 1--2 bulge and 1 outer disk NICMOS Cam1 and Cam2 observations in the H_F160W-band in parallel, arranging our tiling of the ACS images in such a way that they overlap with the NICMOS parallels of other positions. In this way we obtain optical and near-IR imaging in selected regions with very limited extra cost in observing time.

Magnitude limits: To measure metallicities from RGB CMDs, we have to obtain at least $S/N=10$ point source photometry at 1.0 mag below the tip of the RGB in order to distinguish 1/20 from 1/50 Solar metallicity. The TRGB has $M_I=-4$ for all metal poor populations older than 3 Gyr; hence we must reach $M_I\sim-3$ with $S/N=10$. A metal-poor TRGB has $V-I\sim 1$, a metal-rich TRGB has $I-H\sim 2.5$, and therefore we must reach $M_V=-2$ and $M_H=-5.5$. We calculated the exposure time needed to reach these limits using the ETC with Low Sky, optimum photometry, late K giant spectra, and $S/N=10$. Similar exposure

times are needed in F606W and F814W, while about twice as much is needed in NICMOS F160W, and hence can be taken simultaneously.

For a detection experiment like surface brightness from star counts a $S/N=5$ is sufficient. With the above limits we reach with ACS 1.5 mag below the TRGB. The WFPC2 F606W observations will still be 1 mag below the TRGB, sufficient to constrain halo shape.

Number of orbits per position (split between F606W and F814W for ACS):

IC5052 - 2

NGC0891 - 3

NGC4565 - 7

NGC4631 - 2

NGC5907 - 6

NGC7090 - 2

NGC7814 - 5

We use a combination of 2 point dithers with $n+0.5$ pix steps and 3 point dithers with $n+0.33$ pix steps to observe the 2,3,5,6, or 7 orbits, spitting the observations per position in 2 or 3 orbit visits. The n values are chosen such that there is at least 1 column and row offset between each dither position. POSTARGS are used to ensure offsets when several 2 and 3 dither positions are combined.

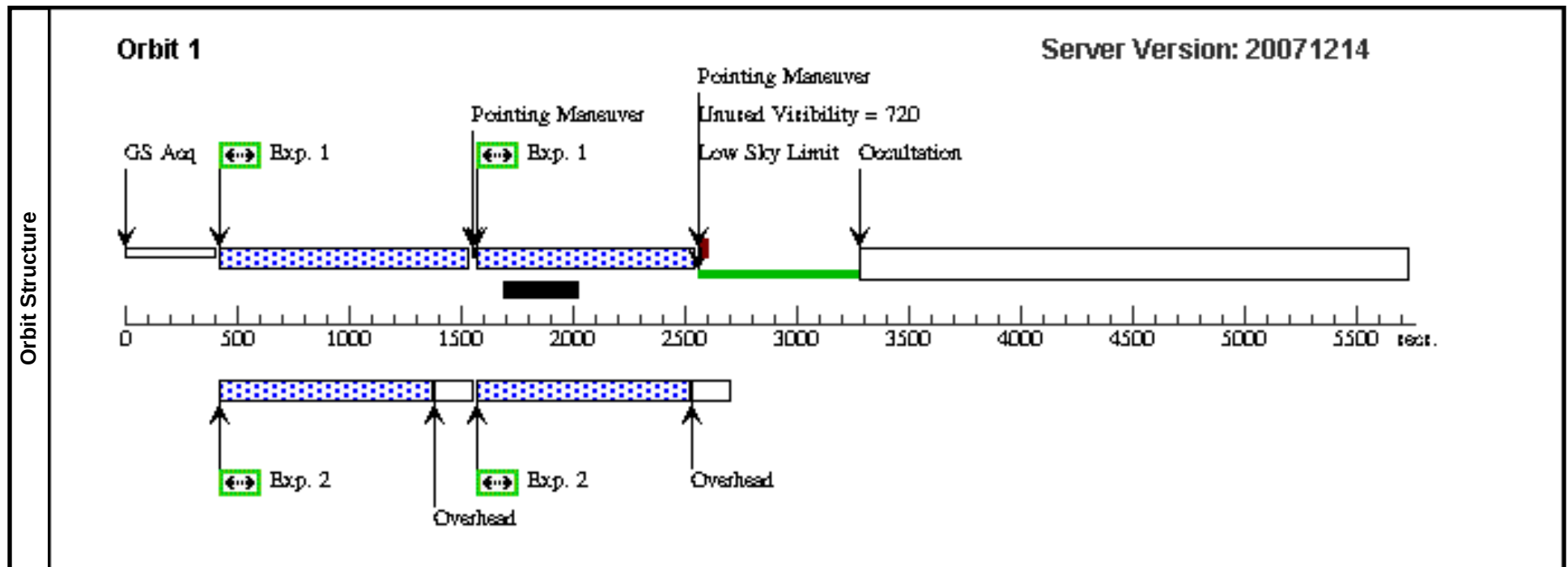
We first observe F814W with small dithers with ACS, then F606W (this is faster than going through all filters at a given position). NICMOS observations are done in SPARS64 multiaccums. We set actual durations for many ACS and WFPC2 observations. This lets us especially better fill the orbit for WFPC2, as it allows the overhead to be beyond the low sky limit.

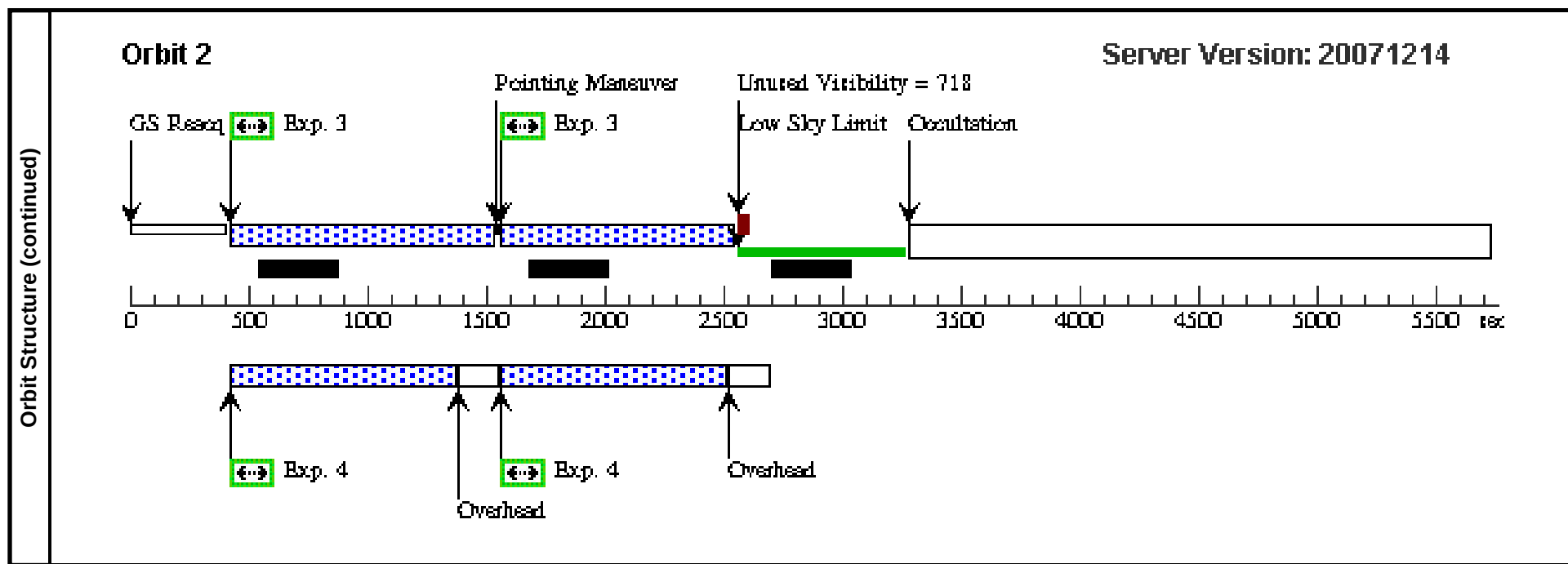
To ensure that the NICMOS observations (and sometimes WFPC2 observations) are at a particular location (in general off the bulge), we use a large POSTARG that puts the center of rotation of the observation in the NICMOS field. An orient constraint on these observations of about 20 degrees

ensures the parallel ACS observation is at a desired location.

Proposal 10889 - Visit 11 - The Nature of the Halos and Thick Disks of Spiral Galaxies

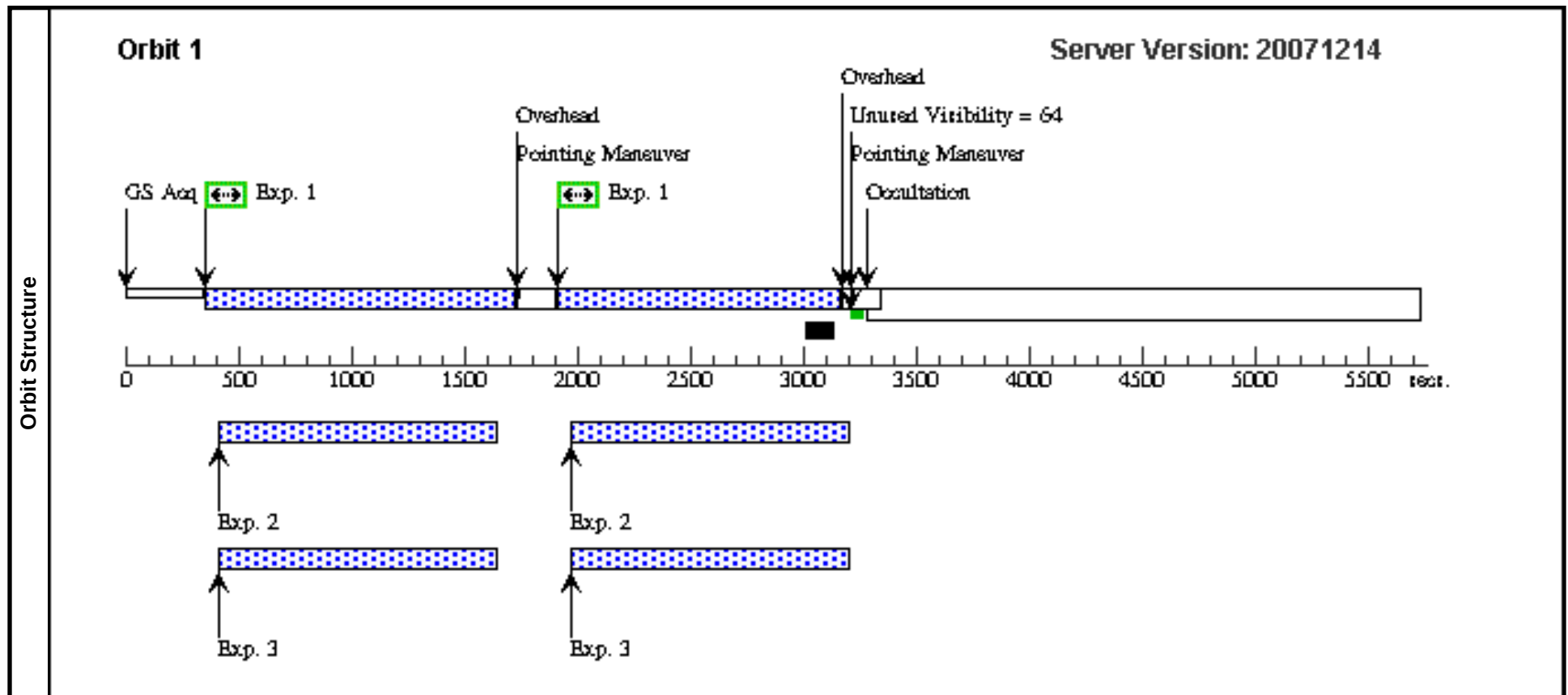
Visit	Proposal 10889, Visit 11, completed										Thu Jan 17 20:26:44 GMT 2008
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: ACS/WFC, WFPC2										
	Special Requirements: (none)										
	Comments: 2-point dither of 2 dither steps for IC5052 POS1										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.3525 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=299.38 Angle Between Sides= Center Pattern=true						(1-2), (3-4)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(11)	IC5052-HALO-1	RA: 20 51 33.6089 (312.8900371d) Dec: -69 14 10.75 (-69.23632d) Equinox: J2000				V=11.67+/-0.25		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(11) IC5052-HALO-1	ACS/WFC, ACCUM, WFC-FIX	F814W	CR-SPLIT=NO	LOW-SKY	Pattern 1-2 (1) Prime + Parallel Gro up 1-2	870.0 Secs [==>910.0 Secs (Pattern 1)] [==>850.0 Secs (Pattern 2)]		[1]
	2		ANY	WFPC2, IMAGE, WF3	F606W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Gro up 1-2	800.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]		[1]
	3		(11) IC5052-HALO-1	ACS/WFC, ACCUM, WFC-FIX	F606W	CR-SPLIT=NO	LOW-SKY	Pattern 3-4 (1) Prime + Parallel Gro up 3-4	890.0 Secs [==>929.0 Secs (Pattern 1)] [==>860.0 Secs (Pattern 2)]		[2]
	4		ANY	WFPC2, IMAGE, WF3	F606W	CR-SPLIT=NO		Pattern 3-4 (1) Prime + Parallel Gro up 3-4	800.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]		[2]

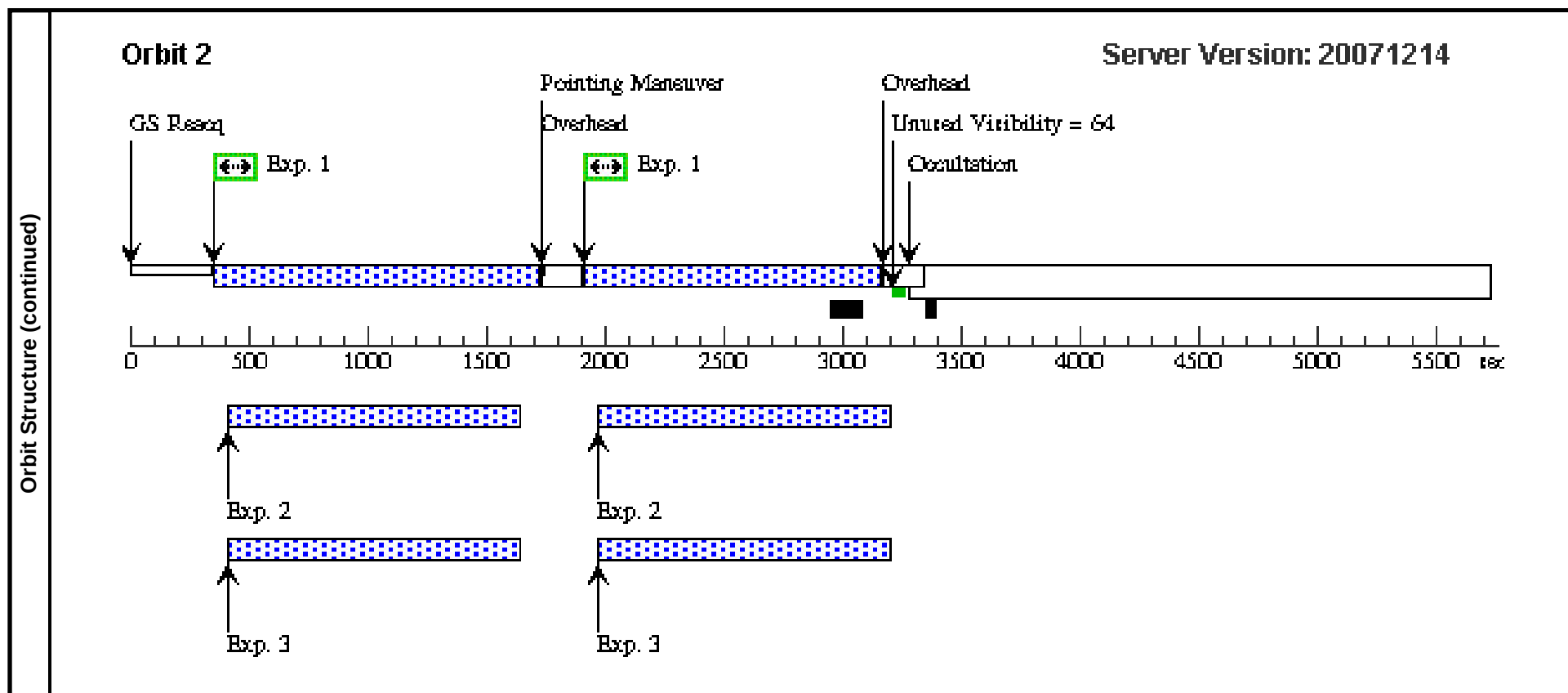




Proposal 10889 - Visit 12 - The Nature of the Halos and Thick Disks of Spiral Galaxies

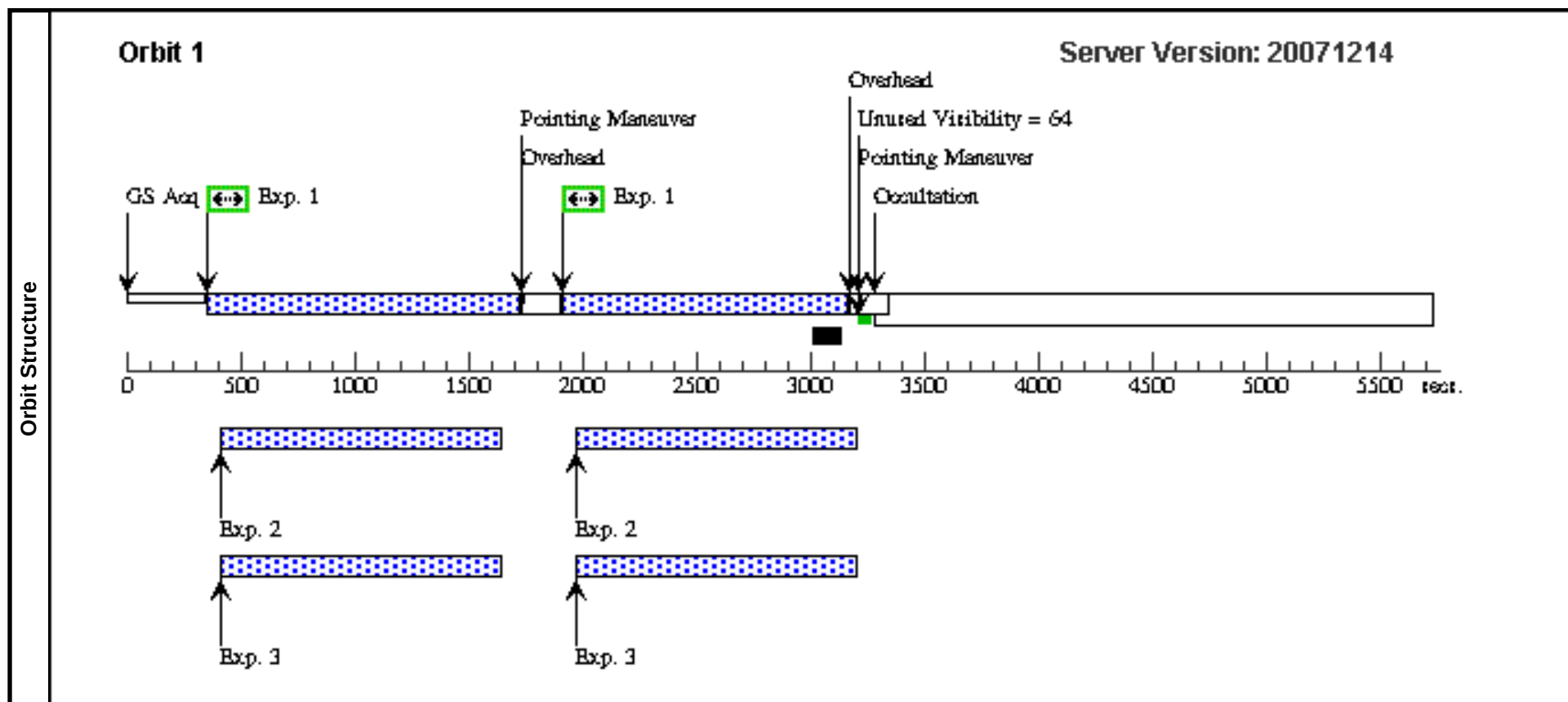
Visit	Proposal 10889, Visit 12, implementation Thu Jan 17 20:26:45 GMT 2008									
	Diagnostic Status: Warning Scientific Instruments: NIC2, WFPC2, NIC1 Special Requirements: ORIENT 0.0D TO 8.0 D; ORIENT 350.0D TO 359.99 D Comments: 4-point dither for IC5052 POS2 F606W POSTARG sets obs rotation point at NIC2, ORIENT determines WFPC2 position									
Diagnostics	(Visit 12) Warning (OP): PATTERN POSITION OUTSIDE APERTURE (Prime + Parallel Group 1-3) Warning (Form): Only Primary NIC exposure in a Parallel group should specify CAMERA-FOCUS Optional Parameter. (Primary Exposure 1 (Prime + Parallel Group 1-3) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes									
Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
	(3)	Pattern Type=WFPC2-BOX Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=26.56505 Number Of Points=4 Angle Between Sides=143.1301 Point Spacing=0.559017 Center Pattern=true Line Spacing=0.559017							(1-3)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(12)	IC5052-HALO-2	RA: 20 52 10.7300 (313.0447083d) Dec: -69 11 44.50 (-69.19569d) Equinox: J2000				V=11.67+/-0.25		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(12) IC5052-HALO-2	WFPC2, IMAGE, WF3	F606W	CR-SPLIT=NO	POS TARG -414.91 1602,36.299329	Pattern 1-3 (3) Prime + Parallel Group 1-3	1100.0 Secs	
									[==>1200.0 Secs (Pattern 1)]	[1]
									[==>(Pattern 2)]	[2]
									[==>1200.0 Secs (Pattern 3)]	[1]
									[==>(Pattern 4)]	[2]
	2		ANY	NIC1, MULTIACCUM, NIC1	F160W	CAMERA-FOCUS=1-2; SAMP-SEQ=SPAR S64; NSAMP=21		Pattern 1-3 (3) Prime + Parallel Group 1-3	[==>(Pattern 1)]	[1]
									[==>(Pattern 2)]	[2]
									[==>(Pattern 3)]	[1]
									[==>(Pattern 4)]	[2]
	3		ANY	NIC2, MULTIACCUM, NIC2	F160W	CAMERA-FOCUS=1-2; SAMP-SEQ=SPAR S64; NSAMP=21		Pattern 1-3 (3) Prime + Parallel Group 1-3	[==>(Pattern 1)]	[1]
									[==>(Pattern 2)]	[2]
									[==>(Pattern 3)]	[1]
									[==>(Pattern 4)]	[2]

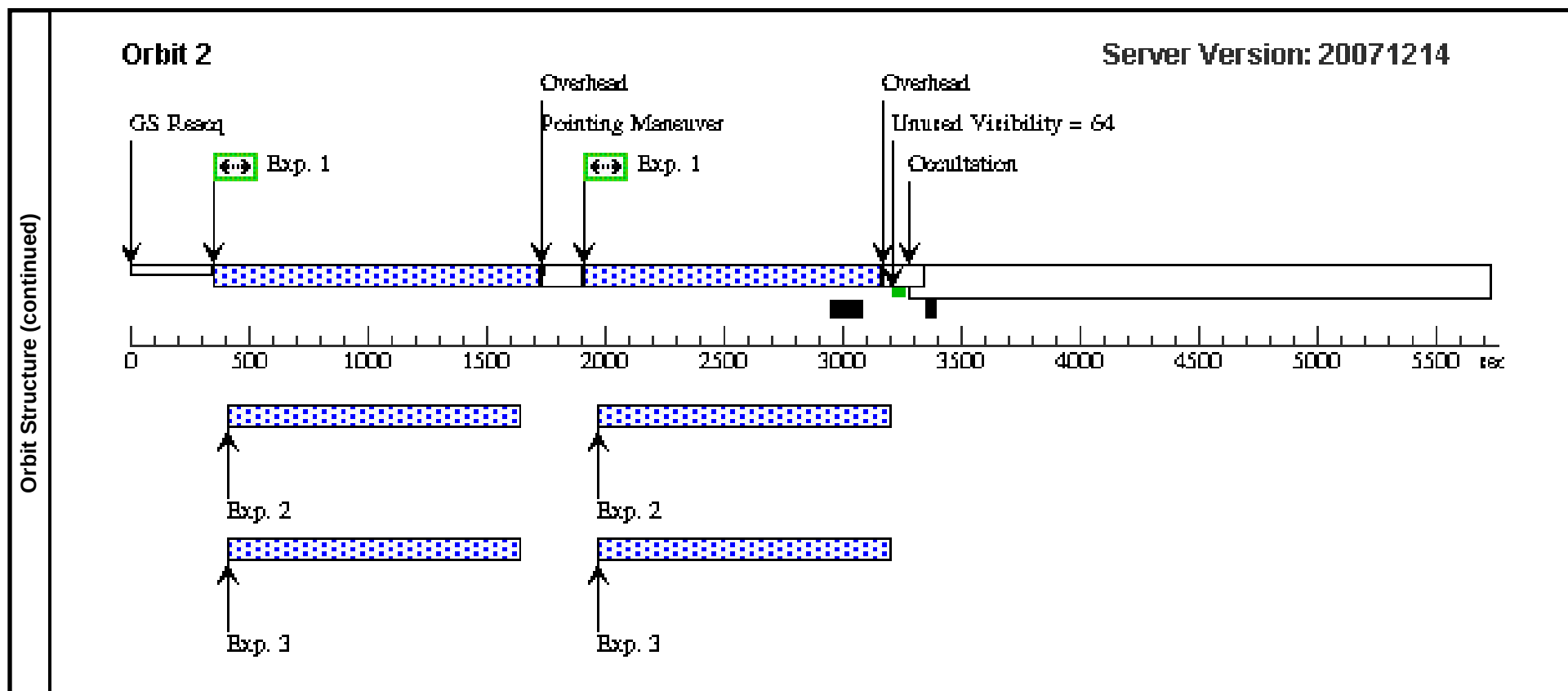




Proposal 10889 - Visit 1A - The Nature of the Halos and Thick Disks of Spiral Galaxies

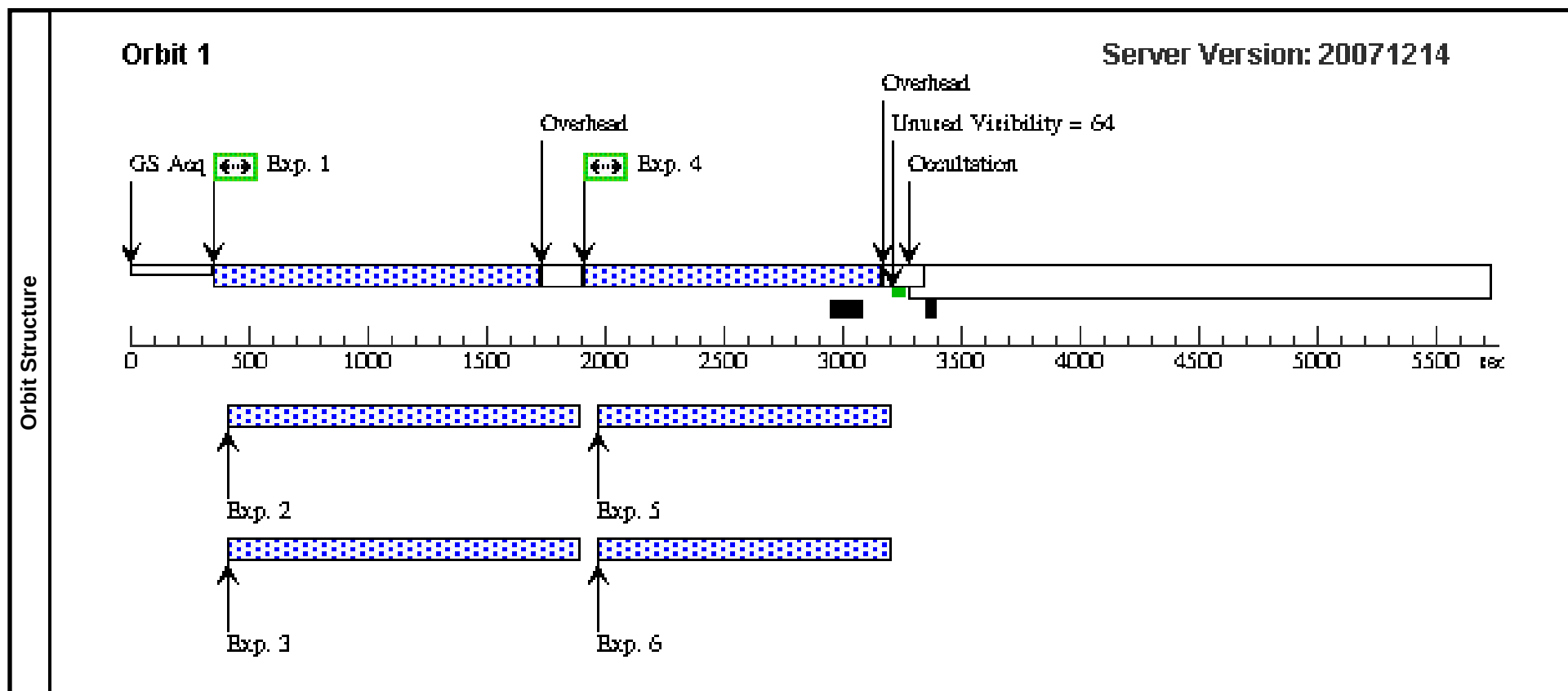
Visit	Proposal 10889, Visit 1A, implementation										Thu Jan 17 20:26:45 GMT 2008
	Diagnostic Status: Warning										
	Scientific Instruments: NIC2, WFPC2, NIC1										
	Special Requirements: SAME ORIENT AS 12										
	Comments: 4-point dither for IC5052 POS2 F814W POSTARG sets obs rotation point at NIC2, ORIENT determines WFPC2 position										
Diagnostics	(Visit 1A) Warning (OP): PATTERN POSITION OUTSIDE APERTURE										
	(Prime + Parallel Group 1-3) Warning (Form): Only Primary NIC exposure in a Parallel group should specify CAMERA-FOCUS Optional Parameter.										
	(Primary Exposure 1 (Prime + Parallel Group 1-3) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes										
Patterns	#	Primary Pattern					Secondary Pattern				Exposures
	(3)	Pattern Type=WFPC2-BOX		Coordinate Frame=POS-TARG							(1-3)
		Purpose=DITHER		Pattern Orientation=26.56505							
		Number Of Points=4		Angle Between Sides=143.1301							
		Point Spacing=0.559017		Center Pattern=true							
		Line Spacing=0.559017									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(12)	IC5052-HALO-2	RA: 20 52 10.7300 (313.0447083d)				V=11.67+/-0.25		Reference Frame: ICRS		
			Dec: -69 11 44.50 (-69.19569d)								
			Equinox: J2000								
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(12) IC5052-HALO-2	WFPC2, IMAGE, WF3	F814W	CR-SPLIT=NO	POS TARG -414.91 1602,36.299329	Pattern 1-3 (3)	1100.0 Secs		
								Prime + Parallel Gro up 1-3	[==>1200.0 Secs (Pattern 1)]		[1]
									[==>(Pattern 2)]		
									[==>1200.0 Secs (Pattern 3)]		[2]
									[==>(Pattern 4)]		
	2		ANY	NIC1, MULTIACCUM, NIC1	F160W	CAMERA-FOCUS=1-2;		Pattern 1-3 (3)	[==>(Pattern 1)]		[1]
						SAMP-SEQ=SPAR S64;		Prime + Parallel Gro up 1-3	[==>(Pattern 2)]		
						NSAMP=21			[==>(Pattern 3)]		[2]
									[==>(Pattern 4)]		
	3		ANY	NIC2, MULTIACCUM, NIC2	F160W	CAMERA-FOCUS=1-2;		Pattern 1-3 (3)	[==>(Pattern 1)]		[1]
						SAMP-SEQ=SPAR S64;		Prime + Parallel Gro up 1-3	[==>(Pattern 2)]		
						NSAMP=21			[==>(Pattern 3)]		[2]
									[==>(Pattern 4)]		





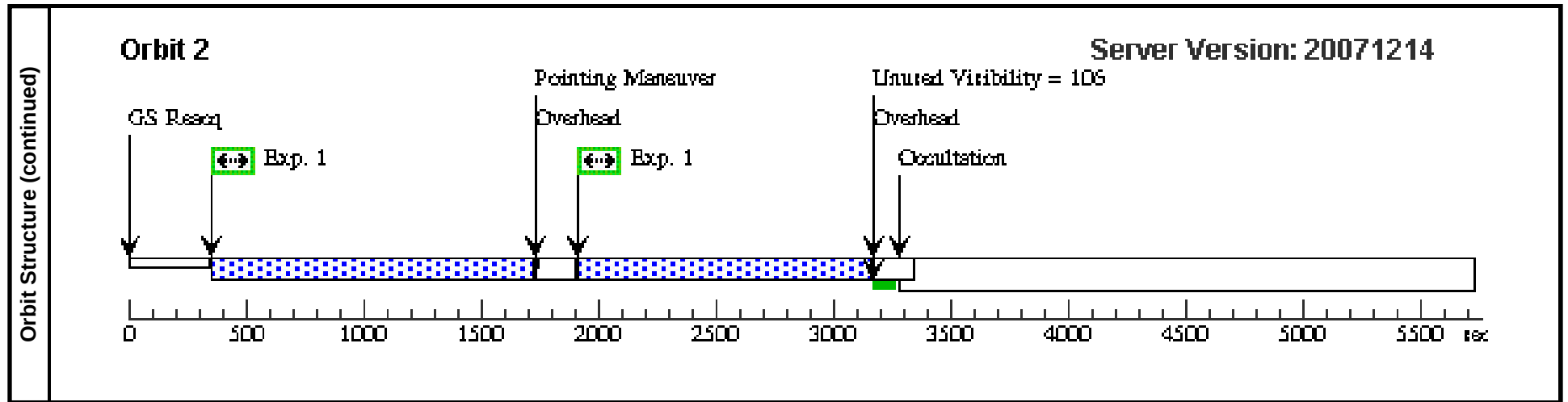
Proposal 10889 - Visit 1B - The Nature of the Halos and Thick Disks of Spiral Galaxies

Visit	Proposal 10889, Visit 1B, implementation										Thu Jan 17 20:26:46 GMT 2008
	Diagnostic Status: Warning										
	Scientific Instruments: NIC2, WFPC2, NIC1										
	Special Requirements: SAME ORIENT AS 12										
	Comments: IC5052 POS2 one F606W and one F814W image POSTARG sets obs rotation point at NIC2, ORIENT determines WFPC2 position										
Diagnostics	(Visit 1B) Warning (OP): POS TARG OUTSIDE OF APERTURE										
	(Visit 1B) Warning (OP): POS TARG OUTSIDE OF APERTURE										
	(Prime + Parallel Group 1-3) Warning (Form): Only Primary NIC exposure in a Parallel group should specify CAMERA-FOCUS Optional Parameter.										
	(Prime + Parallel Group 4-6) Warning (Form): Only Primary NIC exposure in a Parallel group should specify CAMERA-FOCUS Optional Parameter.										
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(12)	IC5052-HALO-2	RA: 20 52 10.7300 (313.0447083d) Dec: -69 11 44.50 (-69.19569d) Equinox: J2000					V=11.67+/-0.25		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(12) IC5052-HALO-2	WFPC2, IMAGE, WF3	F606W	CR-SPLIT=NO	POS TARG -414.91 1602,36.299329	Prime + Parallel Group 1-3	1200.0 Secs		
									[==>]		[1]
	2		ANY	NIC1, MULTIACCUM, NIC1	F160W	CAMERA-FOCUS=1-2; SAMP-SEQ=SPAR S64; NSAMP=25		Prime + Parallel Group 1-3	[==>]		[1]
	3		ANY	NIC2, MULTIACCUM, NIC2	F160W	CAMERA-FOCUS=1-2; SAMP-SEQ=SPAR S64; NSAMP=25		Prime + Parallel Group 1-3	[==>]		[1]
	4		(12) IC5052-HALO-2	WFPC2, IMAGE, WF3	F814W	CR-SPLIT=NO	POS TARG -414.91 1602,36.299329	Prime + Parallel Group 4-6	1100.0 Secs		
									[==>]		[1]
	5		ANY	NIC1, MULTIACCUM, NIC1	F160W	CAMERA-FOCUS=1-2; SAMP-SEQ=SPAR S64; NSAMP=21		Prime + Parallel Group 4-6	[==>]		[1]
	6		ANY	NIC2, MULTIACCUM, NIC2	F160W	CAMERA-FOCUS=1-2; SAMP-SEQ=SPAR S64; NSAMP=21		Prime + Parallel Group 4-6	[==>]		[1]



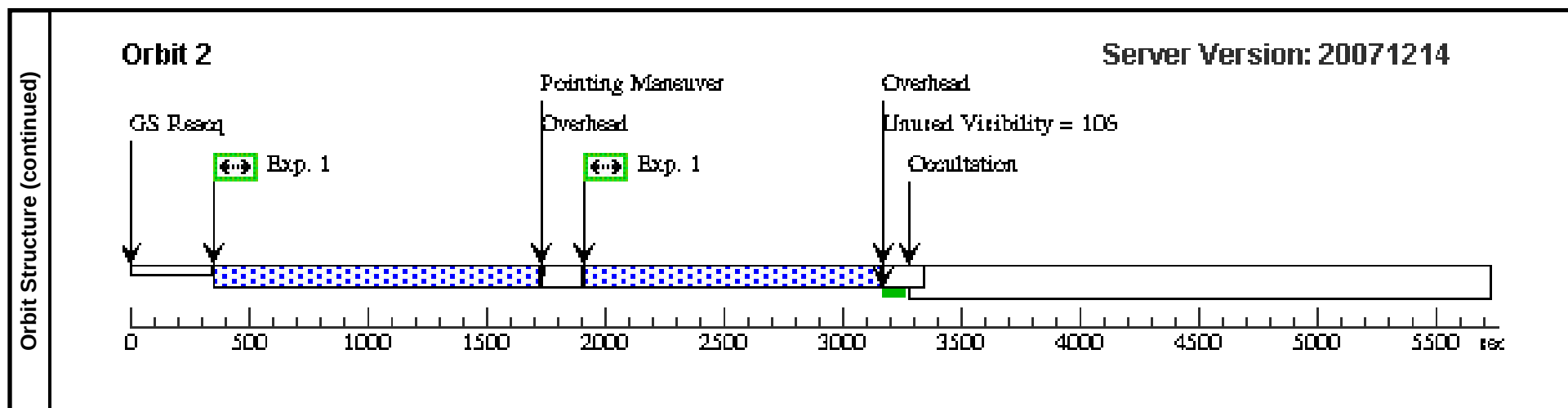
Proposal 10889 - Visit 13 - The Nature of the Halos and Thick Disks of Spiral Galaxies

Visit	Proposal 10889, Visit 13, implementation Thu Jan 17 20:26:47 GMT 2008									
	Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: (none) Comments: IC5052 POS3 4-point dither for F606W									
Patterns	#	Primary Pattern				Secondary Pattern				Exposures
	(3)	Pattern Type=WFPC2-BOX Coordinate Frame=POS-TARG Purpose=DITHER Pattern Orientation=26.56505 Number Of Points=4 Angle Between Sides=143.1301 Point Spacing=0.559017 Center Pattern=true Line Spacing=0.559017								(1)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(13)	IC5052-HALO-3	RA: 20 51 40.2600 (312.9177500d) Dec: -69 09 45.50 (-69.16264d) Equinox: J2000			V=11.67+/-0.25		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(13) IC5052-HALO-3	WFPC2, IMAGE, WFALL	F606W	CR-SPLIT=NO		Pattern 1-1 (3)	1100.0 Secs	
									[==>1200.0 Secs (Pattern 1)]	[1]
									[==>(Pattern 2)]	
Orbit Structure	Orbit 1 Server Version: 20071214									



Proposal 10889 - Visit 1C - The Nature of the Halos and Thick Disks of Spiral Galaxies

Visit	Proposal 10889, Visit 1C, implementation										Thu Jan 17 20:26:47 GMT 2008
	Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: SAME ORIENT AS 13 Comments: IC5052 POS3 4-point dither for F814W										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(3)	Pattern Type=WFPC2-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.559017 Line Spacing=0.559017				Coordinate Frame=POS-TARG Pattern Orientation=26.56505 Angle Between Sides=143.1301 Center Pattern=true				(1)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(13)	IC5052-HALO-3	RA: 20 51 40.2600 (312.9177500d) Dec: -69 09 45.50 (-69.16264d) Equinox: J2000				V=11.67+/-0.25		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(13) IC5052-HALO-3	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO		Pattern 1-1 (3)	1100.0 Secs		
									[==>1200.0 Secs (Pattern 1)]		[1]
									[==>(Pattern 2)]		
Orbit Structure	Orbit 1 Server Version: 20071214 Unused Visibility = 106 GS Acq Exp. 1 Pointing Maneuver Overhead Pointing Maneuver Overhead Occultation 05001000150020002500300035004000450050005500sec.										



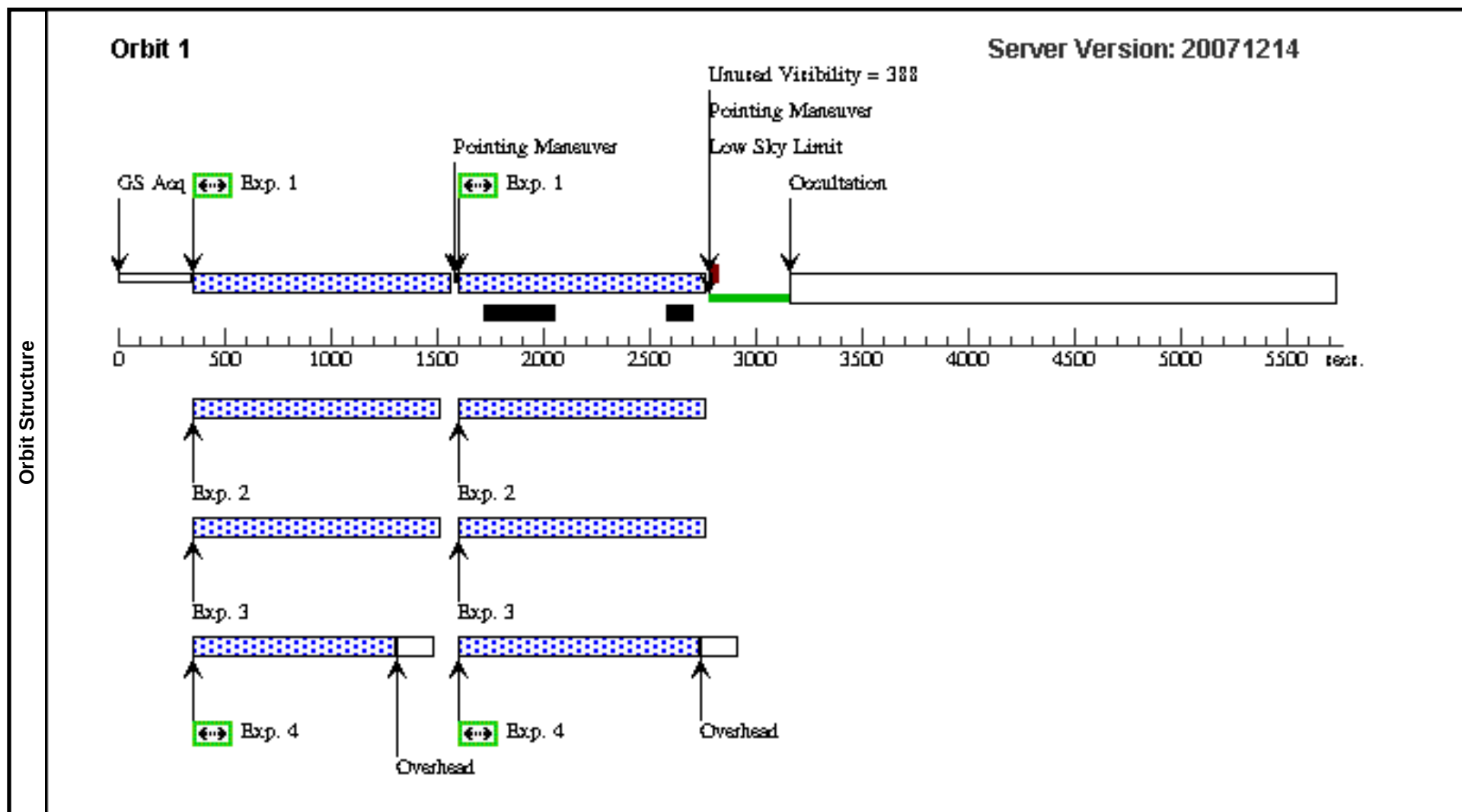
Visit	Proposal 10889, Visit 1D, implementation Thu Jan 17 20:26:47 GMT 2008									
	Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: SAME ORIENT AS 13 <i>Comments: IC5052 POS3 one F814W and one F606W exposure</i>									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(13)	IC5052-HALO-3	RA: 20 51 40.2600 (312.9177500d) Dec: -69 09 45.50 (-69.16264d) Equinox: J2000		V=11.67+/-0.25	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(13) IC5052-HALO-3	WFPC2, IMAGE, WFALL	F606W	CR-SPLIT=NO			1200.0 Secs	
									[=>]	[1]
	2		(13) IC5052-HALO-3	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO			1100.0 Secs	
									[=>]	[1]
Orbit Structure	Orbit 1 Server Version: 20071214									

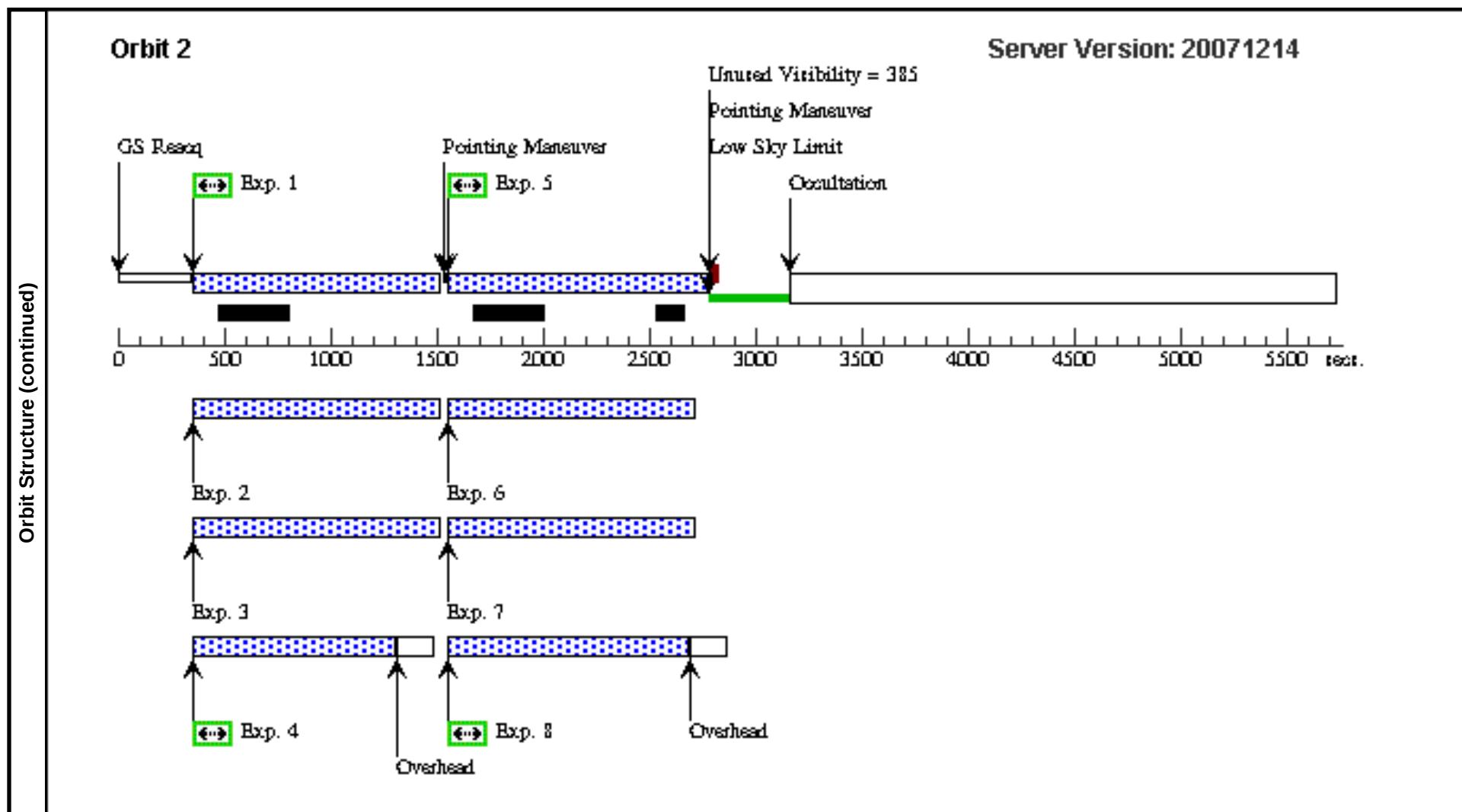
Proposal 10889 - Visit 21 - The Nature of the Halos and Thick Disks of Spiral Galaxies

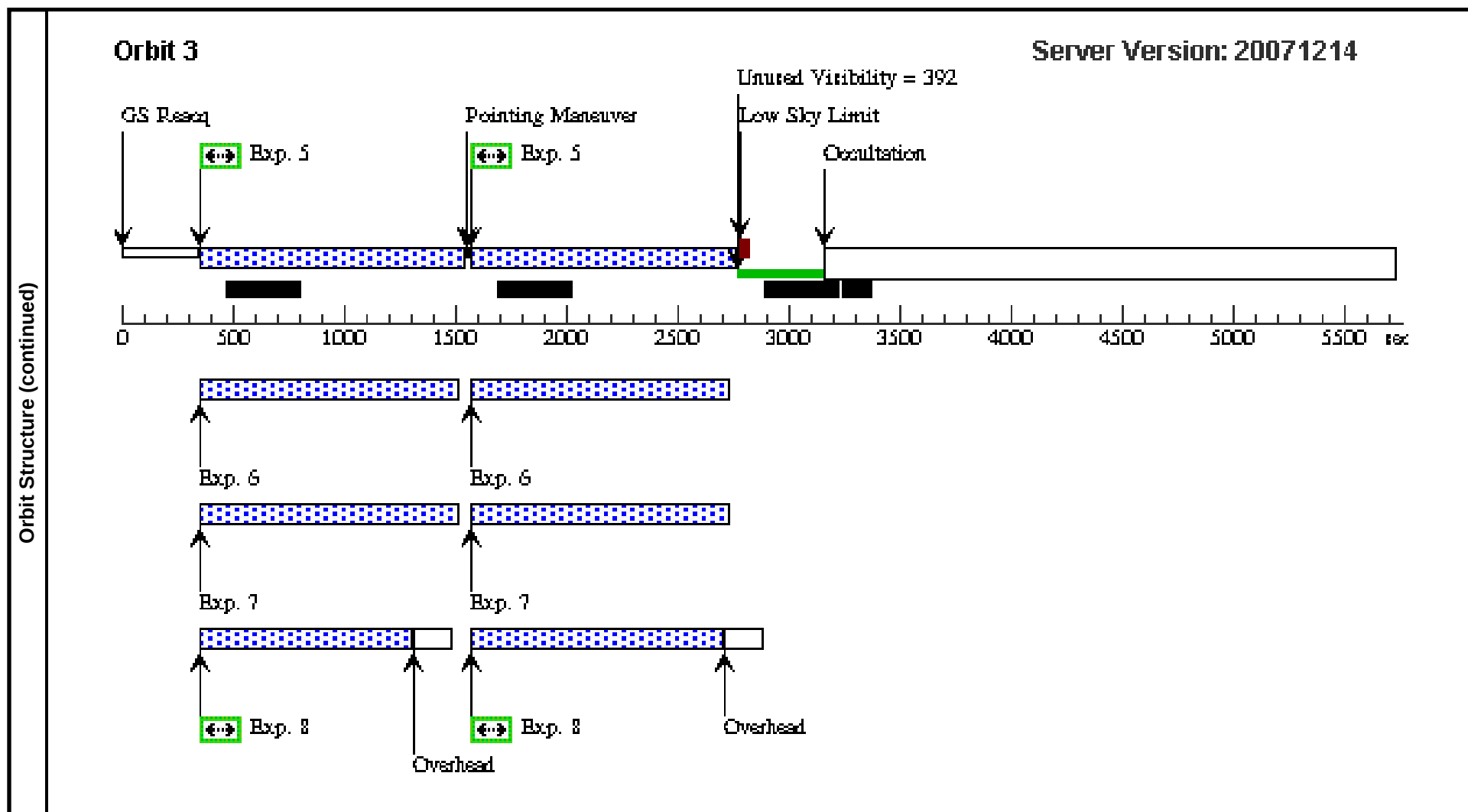
Visit	Proposal 10889, Visit 21, completed										Thu Jan 17 20:26:47 GMT 2008
	Diagnostic Status: Warning										
	Scientific Instruments: ACS/WFC, NIC2, WFPC2, NIC1										
	Special Requirements: ORIENT 190.0D TO 215.0 D										
	Comments: 3-point dither of 3 dither steps for NGC891 POS1 POSTARG sets obs rotation point at NICMOS, orient determines ACS position										
Diagnostics	(Visit 21) Warning (OP): PATTERN POSITION OUTSIDE APERTURE										
	(Visit 21) Warning (OP): PATTERN POSITION OUTSIDE APERTURE										
	(Prime + Parallel Group 1-4) Warning (Form): Only Primary NIC exposure in a Parallel group should specify CAMERA-FOCUS Optional Parameter.										
	(Primary Exposure 1 (Prime + Parallel Group 1-4) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes										
	(Prime + Parallel Group 5-8) Warning (Form): Only Primary NIC exposure in a Parallel group should specify CAMERA-FOCUS Optional Parameter.										
Patterns	(Primary Exposure 5 (Prime + Parallel Group 5-8) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes										
	#	Primary Pattern					Secondary Pattern				Exposures
	(2)	Pattern Type=LINE		Coordinate Frame=POS-TARG							(1-4), (5-8)
		Purpose=DITHER		Pattern Orientation=41.382							
		Number Of Points=3		Angle Between Sides=							
	Point Spacing=0.21949		Center Pattern=true								
	Line Spacing=										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(21)	NGC0891-HALO-1	RA: 02 22 36.5551 (35.6523129d) Dec: +42 20 50.59 (42.34739d) Equinox: J2000				V=10.83+/-0.19		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1		(21) NGC0891-HALO-1	ACS/WFC, ACCUM, WFC-FIX	F814W	CR-SPLIT=NO	POS TARG -574.83 46986626201,-99.23 330161724735; LOW-SKY	Pattern 1-4 (2) Prime + Parallel Group 1-4	1035.0 Secs [==>1010.0 Secs (Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	 [1] [2]	
	2		ANY	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=20; CAMERA-FOCUS =1-2		Pattern 1-4 (2) Prime + Parallel Group 1-4	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	 [1] [2]	
	3		ANY	NIC1, MULTIACCUM, NIC1-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=20; CAMERA-FOCUS =1-2		Pattern 1-4 (2) Prime + Parallel Group 1-4	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	 [1] [2]	

Proposal 10889 - Visit 21 - The Nature of the Halos and Thick Disks of Spiral Galaxies

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	4		ANY	WFPC2, IMAGE, WF3-FIX	F606W	CR-SPLIT=NO		Pattern 1-4 (2) Prime + Parallel Group 1-4	900.0 Secs [==>800.0 Secs (Pattern 1)] [==>1000.0 Secs (Pattern 2)] [==>800.0 Secs (Pattern 3)]	[1] [2]
	5		(21) NGC0891-HAL O-1	ACS/WFC, ACCUM, WFC-FIX	F606W	CR-SPLIT=NO	POS TARG -574.83 46986626201,-99.23 330161724735; LOW-SKY	Pattern 5-8 (2) Prime + Parallel Group 5-8	1065.0 Secs [==>1040.0 Secs (Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[2] [3]
	6		ANY	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=20; CAMERA-FOCUS =1-2		Pattern 5-8 (2) Prime + Parallel Group 5-8	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[2] [3]
	7		ANY	NIC1, MULTIACCUM, NIC1-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=20; CAMERA-FOCUS =1-2		Pattern 5-8 (2) Prime + Parallel Group 5-8	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[2] [3]
	8		ANY	WFPC2, IMAGE, WF3-FIX	F606W	CR-SPLIT=NO		Pattern 5-8 (2) Prime + Parallel Group 5-8	900.0 Secs [==>1000.0 Secs (Pattern 1)] [==>800.0 Secs (Pattern 2)] [==>1000.0 Secs (Pattern 3)]	[2] [3]







Proposal 10889 - Visit 22 - The Nature of the Halos and Thick Disks of Spiral Galaxies

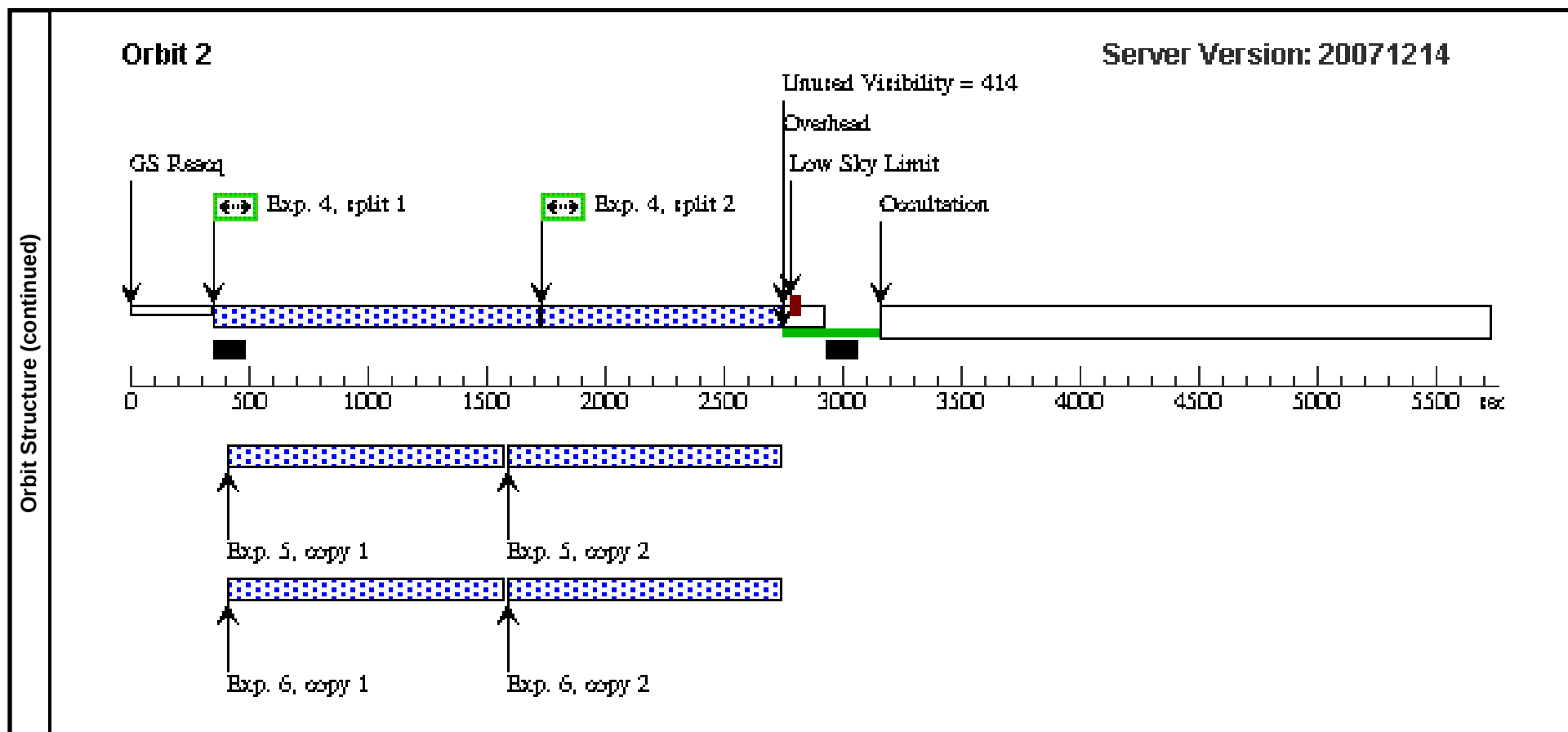
Visit	Proposal 10889, Visit 22, implementation										Thu Jan 17 20:26:48 GMT 2008
	Diagnostic Status: Warning										
	Scientific Instruments: NIC2, WFPC2, NIC1										
	Special Requirements: ORIENT 50.0D TO 70.0 D										
Comments: NGC891 POS2 POSTARG dither 1, F606W & F814W large POSTARG puts NIC1 & NIC2 parallel on bulge ORIENT constraint puts WFPC2 on outer disk											
Diagnostics	(Visit 22) Warning (OP): POS TARG OUTSIDE OF APERTURE										
	(Visit 22) Warning (OP): POS TARG OUTSIDE OF APERTURE										
	(Prime + Parallel Group 1-3) Warning (Form): Only Primary NIC exposure in a Parallel group should specify CAMERA-FOCUS Optional Parameter.										
	(Prime + Parallel Group 4-6) Warning (Form): Only Primary NIC exposure in a Parallel group should specify CAMERA-FOCUS Optional Parameter.										
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(22)	NGC0891-HALO-2	RA: 02 22 46.7700 (35.6948750d) Dec: +42 26 17.90 (42.43831d) Equinox: J2000					V=10.83+/-0.19		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(22) NGC0891-HAL O-2	WFPC2, IMAGE, WFALL	F606W	CR-SPLIT=DEF	POS TARG -444.73 869800658736,3.704 753031690803; LOW-SKY	Prime + Parallel Group 1-3	2000.0 Secs [==>1100.0 Secs (Split 1)] [==>(Split 2)]		[1]
	2		ANY	NIC1, MULTIACCUM, NIC1	F160W	CAMERA-FOCUS=1-2; SAMP-SEQ=SPAR S64; NSAMP=20		Prime + Parallel Group 1-3	[==>(Copy 1)] [==>(Copy 2)]		[1]
	3		ANY	NIC2, MULTIACCUM, NIC2	F160W	CAMERA-FOCUS=1-2; SAMP-SEQ=SPAR S64; NSAMP=20		Prime + Parallel Group 1-3	[==>(Copy 1)] [==>(Copy 2)]		[1]
	4		(22) NGC0891-HAL O-2	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=DEF	SAME POS AS 1; LOW-SKY	Prime + Parallel Group 4-6	2000.0 Secs [==>1100.0 Secs (Split 1)] [==>(Split 2)]		[2]
	5		ANY	NIC1, MULTIACCUM, NIC1	F160W	CAMERA-FOCUS=1-2; SAMP-SEQ=SPAR S64; NSAMP=20		Prime + Parallel Group 4-6	[==>(Copy 1)] [==>(Copy 2)]		[2]

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	6		ANY	NIC2, MULTIACCUM, NIC2	F160W	CAMERA-FOCUS=1-2; SAMP-SEQ=SPAR S64; NSAMP=20		Prime + Parallel Group 4-6	[==>(Copy 1)] [==>(Copy 2)]	[2]

Orbit 1

Server Version: 20071214

Orbit Structure



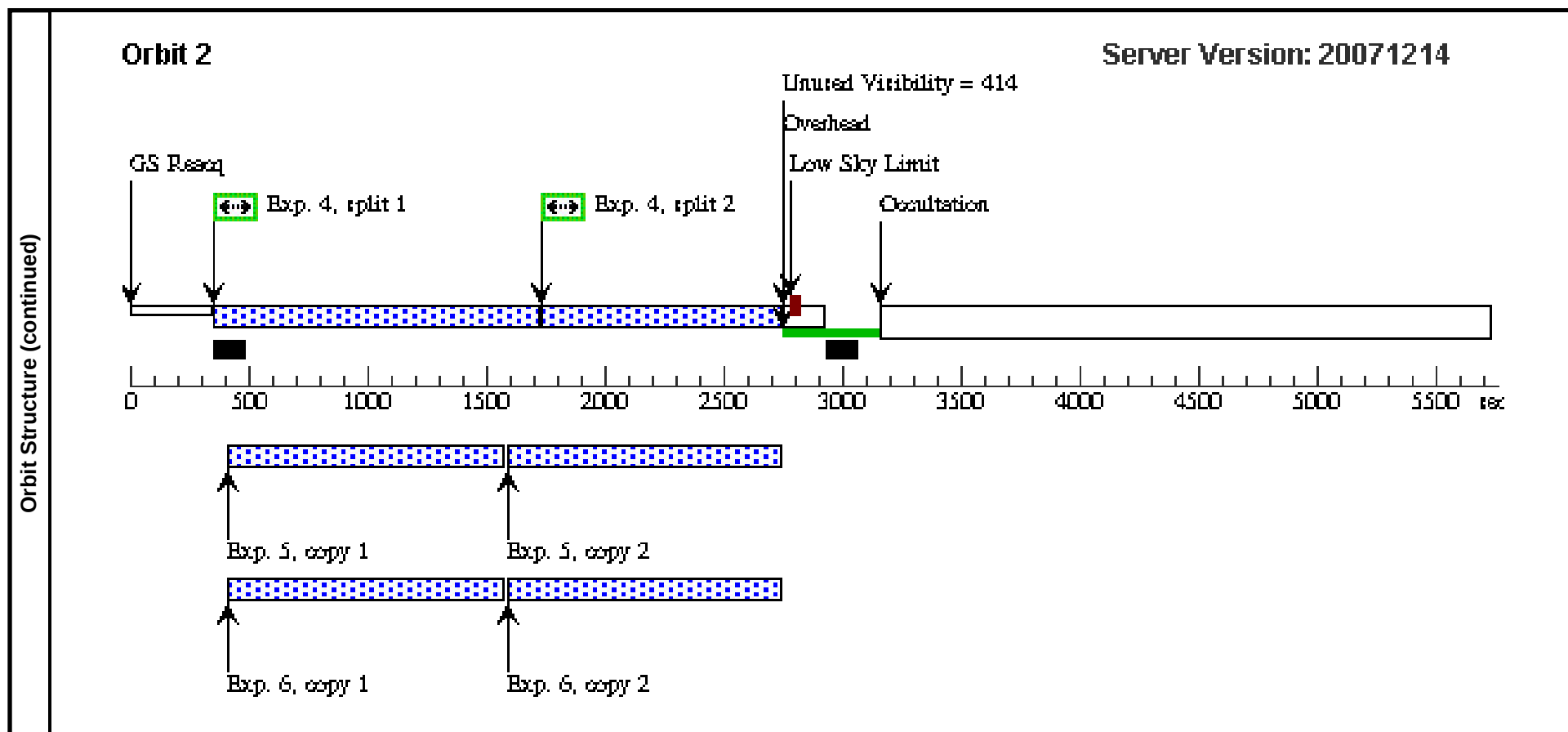
Proposal 10889 - Visit 2A - The Nature of the Halos and Thick Disks of Spiral Galaxies

Visit	Proposal 10889, Visit 2A, implementation										Thu Jan 17 20:26:49 GMT 2008
	Diagnostic Status: Warning										
	Scientific Instruments: NIC2, WFPC2, NIC1										
	Special Requirements: SAME ORIENT AS 22										
	Comments: NGC891 POS2 POSTARG dither 2, F606W & F814W large POSTARG puts NIC1 & NIC2 parallel on bulge ORIENT constraint puts WFPC2 on outer disk										
Diagnostics	(Visit 2A) Warning (OP): POS TARG OUTSIDE OF APERTURE										
	(Visit 2A) Warning (OP): POS TARG OUTSIDE OF APERTURE										
	(Prime + Parallel Group 1-3) Warning (Form): Only Primary NIC exposure in a Parallel group should specify CAMERA-FOCUS Optional Parameter.										
	(Prime + Parallel Group 4-6) Warning (Form): Only Primary NIC exposure in a Parallel group should specify CAMERA-FOCUS Optional Parameter.										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(22)	NGC0891-HALO-2	RA: 02 22 46.7700 (35.6948750d) Dec: +42 26 17.90 (42.43831d) Equinox: J2000				V=10.83+/-0.19		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(22) NGC0891-HAL O-2	WFPC2, IMAGE, WFALL	F606W	CR-SPLIT=DEF	POS TARG -444.23 8698,3.954753; LOW-SKY	Prime + Parallel Group up 1-3	2000.0 Secs [==>1100.0 Secs (Split 1)] [==>(Split 2)]		[1]
	2		ANY	NIC1, MULTIACCUM, NIC1	F160W	CAMERA-FOCUS=1-2; SAMP-SEQ=SPAR S64; NSAMP=20		Prime + Parallel Group up 1-3	[==>(Copy 1)] [==>(Copy 2)]		[1]
	3		ANY	NIC2, MULTIACCUM, NIC2	F160W	CAMERA-FOCUS=1-2; SAMP-SEQ=SPAR S64; NSAMP=20		Prime + Parallel Group up 1-3	[==>(Copy 1)] [==>(Copy 2)]		[1]
	4		(22) NGC0891-HAL O-2	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=DEF	SAME POS AS 1; LOW-SKY	Prime + Parallel Group up 4-6	2000.0 Secs [==>1100.0 Secs (Split 1)] [==>(Split 2)]		[2]
	5		ANY	NIC1, MULTIACCUM, NIC1	F160W	CAMERA-FOCUS=1-2; SAMP-SEQ=SPAR S64; NSAMP=20		Prime + Parallel Group up 4-6	[==>(Copy 1)] [==>(Copy 2)]		[2]

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	6		ANY	NIC2, MULTIACCUM, NIC2	F160W	CAMERA-FOCUS=1-2; SAMP-SEQ=SPAR S64; NSAMP=20		Prime + Parallel Group 4-6	[==>(Copy 1)] [==>(Copy 2)]	[2]

Orbit 1

Server Version: 20071214



Proposal 10889 - Visit 2B - The Nature of the Halos and Thick Disks of Spiral Galaxies

Visit	Proposal 10889, Visit 2B, implementation									Thu Jan 17 20:26:49 GMT 2008
	Diagnostic Status: Warning									
	Scientific Instruments: NIC2, WFPC2, NIC1									
	Special Requirements: SAME ORIENT AS 22									
	Comments: NGC891 POS2 POSTARG dither 3, F606W & F814W large POSTARG puts NIC1 & NIC2 parallel on bulge ORIENT constraint puts WFPC2 on outer disk									
Diagnostics	(Visit 2B) Warning (OP): POS TARG OUTSIDE OF APERTURE									
	(Visit 2B) Warning (OP): POS TARG OUTSIDE OF APERTURE									
	(Prime + Parallel Group 1-3) Warning (Form): Only Primary NIC exposure in a Parallel group should specify CAMERA-FOCUS Optional Parameter.									
	(Prime + Parallel Group 4-6) Warning (Form): Only Primary NIC exposure in a Parallel group should specify CAMERA-FOCUS Optional Parameter.									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(22)	NGC0891-HALO-2	RA: 02 22 46.7700 (35.6948750d) Dec: +42 26 17.90 (42.43831d) Equinox: J2000		V=10.83+/-0.19	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(22) NGC0891-HAL O-2	WFPC2, IMAGE, WFALL	F606W	CR-SPLIT=DEF	POS TARG -443.98 8698,4.454753; LOW-SKY	Prime + Parallel Group up 1-3	2000.0 Secs [==>1100.0 Secs (Split 1)] [==>(Split 2)]	[1]
	2		ANY	NIC1, MULTIACCUM, NIC1	F160W	CAMERA-FOCUS=1-2; SAMP-SEQ=SPAR S64; NSAMP=20		Prime + Parallel Group up 1-3	[==>(Copy 1)] [==>(Copy 2)]	[1]
	3		ANY	NIC2, MULTIACCUM, NIC2	F160W	CAMERA-FOCUS=1-2; SAMP-SEQ=SPAR S64; NSAMP=20		Prime + Parallel Group up 1-3	[==>(Copy 1)] [==>(Copy 2)]	[1]
	4		(22) NGC0891-HAL O-2	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=DEF	SAME POS AS 1; LOW-SKY	Prime + Parallel Group up 4-6	2000.0 Secs [==>1100.0 Secs (Split 1)] [==>(Split 2)]	[2]
	5		ANY	NIC1, MULTIACCUM, NIC1	F160W	CAMERA-FOCUS=1-2; SAMP-SEQ=SPAR S64; NSAMP=20		Prime + Parallel Group up 4-6	[==>(Copy 1)] [==>(Copy 2)]	[2]

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	6		ANY	NIC2, MULTIACCUM, NIC2	F160W	CAMERA-FOCUS=1-2; SAMP-SEQ=SPAR S64; NSAMP=20		Prime + Parallel Group 4-6	[==>(Copy 1)] [==>(Copy 2)]	[2]

Orbit 1

Server Version: 20071214

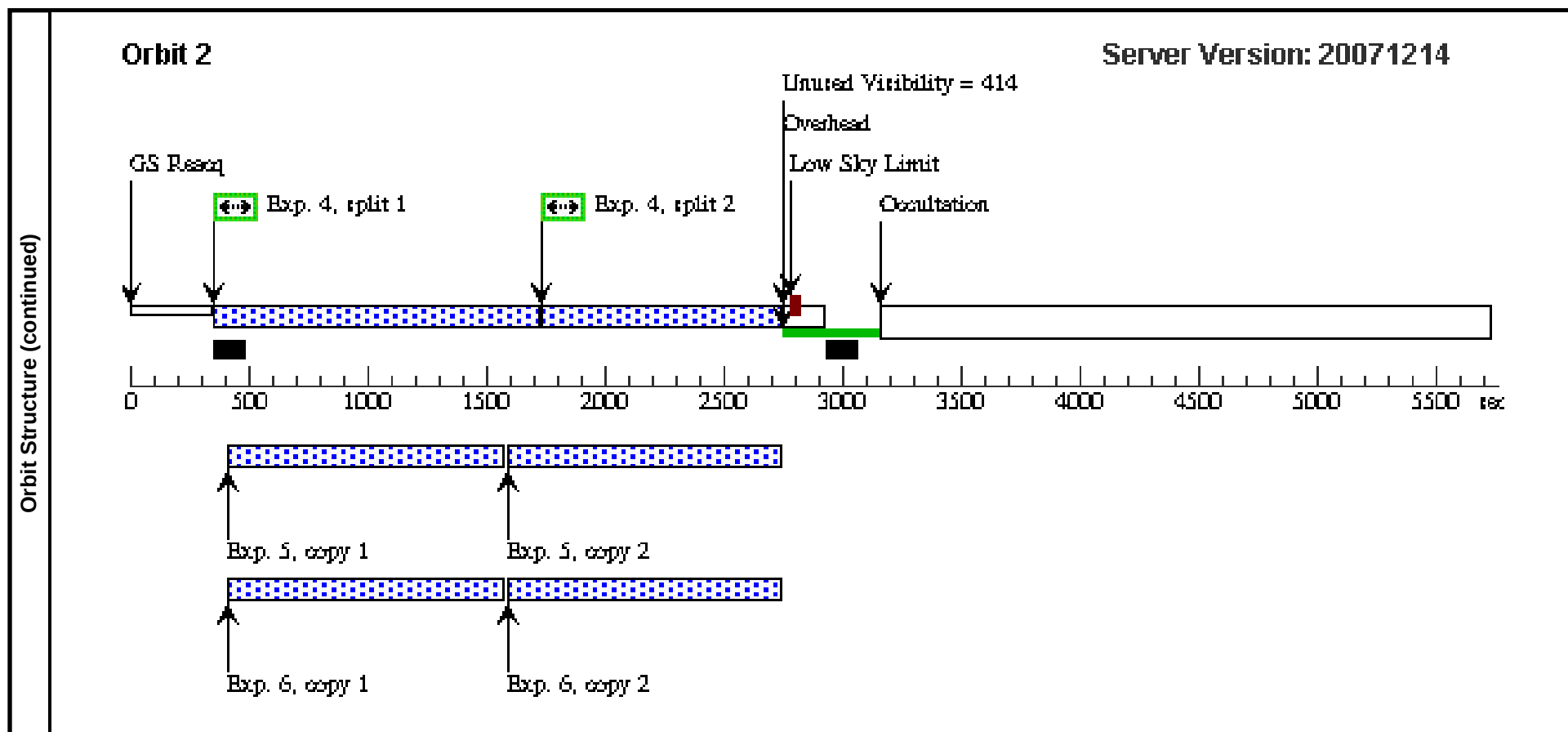
The diagram illustrates the timing of observations for Orbit 1. The main timeline (0 to 5500 seconds) includes:

- GS Acq (Green Start Acquisition)
- Expt. 1, split 1 (Green box with double arrow)
- Expt. 1, split 2 (Green box with double arrow)
- Overhead (Red box)
- Unused Visibility = 413 (Red box)
- Low Sky Limit (Red box)
- Occultation (Red box)

Below the main timeline, four stacked bars represent the timing of four exposures:

- Expt. 2, copy 1
- Expt. 2, copy 2
- Expt. 3, copy 1
- Expt. 3, copy 2

The x-axis is labeled 'sec.' and ranges from 0 to 5500.



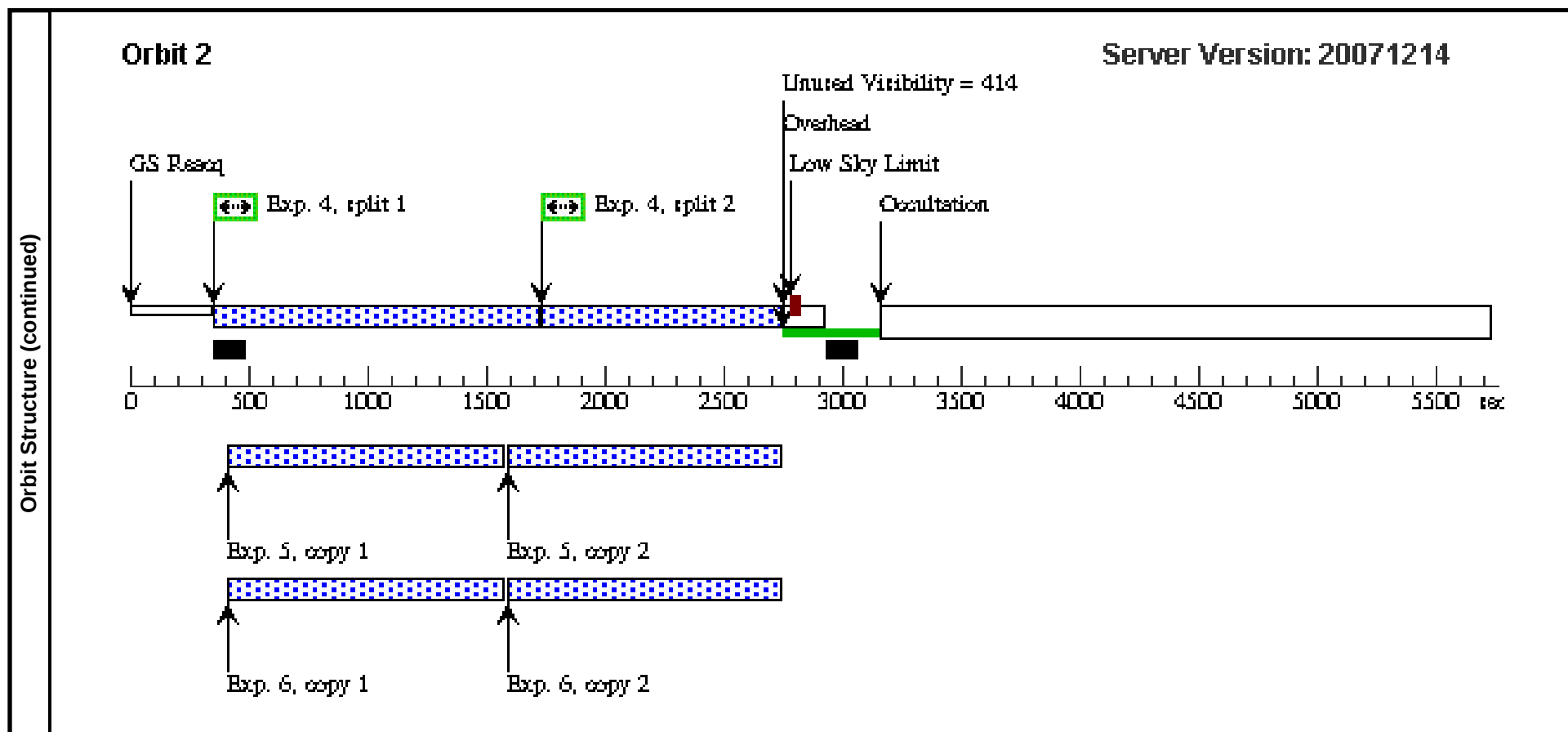
Proposal 10889 - Visit 2C - The Nature of the Halos and Thick Disks of Spiral Galaxies

Visit	Proposal 10889, Visit 2C, implementation									Thu Jan 17 20:26:50 GMT 2008
	Diagnostic Status: Warning									
	Scientific Instruments: NIC2, WFPC2, NIC1									
	Special Requirements: SAME ORIENT AS 22									
	Comments: NGC891 POS2 POSTARG dither 4, F606W & F814W large POSTARG puts NIC1 & NIC2 parallel on bulge ORIENT constraint puts WFPC2 on outer disk									
Diagnostics	(Visit 2C) Warning (OP): POS TARG OUTSIDE OF APERTURE									
	(Visit 2C) Warning (OP): POS TARG OUTSIDE OF APERTURE									
	(Prime + Parallel Group 1-3) Warning (Form): Only Primary NIC exposure in a Parallel group should specify CAMERA-FOCUS Optional Parameter.									
	(Prime + Parallel Group 4-6) Warning (Form): Only Primary NIC exposure in a Parallel group should specify CAMERA-FOCUS Optional Parameter.									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(22)	NGC0891-HALO-2	RA: 02 22 46.7700 (35.6948750d) Dec: +42 26 17.90 (42.43831d) Equinox: J2000			V=10.83+/-0.19		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(22) NGC0891-HAL O-2	WFPC2, IMAGE, WFALL	F606W	CR-SPLIT=DEF	POS TARG -444.48 8698,4.204753; LOW-SKY	Prime + Parallel Group up 1-3	2000.0 Secs [==>1100.0 Secs (Split 1)] [==>(Split 2)]	[1]
	2		ANY	NIC1, MULTIACCUM, NIC1	F160W	CAMERA-FOCUS=1-2; SAMP-SEQ=SPAR S64; NSAMP=20		Prime + Parallel Group up 1-3	[==>(Copy 1)] [==>(Copy 2)]	[1]
	3		ANY	NIC2, MULTIACCUM, NIC2	F160W	CAMERA-FOCUS=1-2; SAMP-SEQ=SPAR S64; NSAMP=20		Prime + Parallel Group up 1-3	[==>(Copy 1)] [==>(Copy 2)]	[1]
	4		(22) NGC0891-HAL O-2	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=DEF	SAME POS AS 1; LOW-SKY	Prime + Parallel Group up 4-6	2000.0 Secs [==>1100.0 Secs (Split 1)] [==>(Split 2)]	[2]
	5		ANY	NIC1, MULTIACCUM, NIC1	F160W	CAMERA-FOCUS=1-2; SAMP-SEQ=SPAR S64; NSAMP=20		Prime + Parallel Group up 4-6	[==>(Copy 1)] [==>(Copy 2)]	[2]

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	6		ANY	NIC2, MULTIACCUM, NIC2	F160W	CAMERA-FOCUS=1-2; SAMP-SEQ=SPAR S64; NSAMP=20		Prime + Parallel Group 4-6	[==>(Copy 1)] [==>(Copy 2)]	[2]

Orbit 1

Server Version: 20071214



Proposal 10889 - Visit 2D - The Nature of the Halos and Thick Disks of Spiral Galaxies

Visit	Proposal 10889, Visit 2D, implementation										Thu Jan 17 20:26:50 GMT 2008
	Diagnostic Status: Warning										
	Scientific Instruments: NIC2, WFPC2, NIC1										
	Special Requirements: SAME ORIENT AS 22										
	Comments: NGC891 POS2 POSTARG dither 5, F606W & F814W large POSTARG puts NIC1 & NIC2 parallel on bulge ORIENT constraint puts WFPC2 on outer disk										
Diagnostics	(Visit 2D) Warning (OP): POS TARG OUTSIDE OF APERTURE										
	(Visit 2D) Warning (OP): POS TARG OUTSIDE OF APERTURE										
	(Prime + Parallel Group 1-3) Warning (Form): Only Primary NIC exposure in a Parallel group should specify CAMERA-FOCUS Optional Parameter.										
	(Prime + Parallel Group 4-6) Warning (Form): Only Primary NIC exposure in a Parallel group should specify CAMERA-FOCUS Optional Parameter.										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(22)	NGC0891-HALO-2	RA: 02 22 46.7700 (35.6948750d) Dec: +42 26 17.90 (42.43831d) Equinox: J2000				V=10.83+/-0.19		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(22) NGC0891-HAL O-2	WFPC2, IMAGE, WFALL	F606W	CR-SPLIT=DEF	POS TARG -445.06 8698,4.364753; LOW-SKY	Prime + Parallel Group 1-3	2000.0 Secs [==>1100.0 Secs (Split 1)] [==>(Split 2)]		[1]
	2		ANY	NIC1, MULTIACCUM, NIC1	F160W	CAMERA-FOCUS=1-2; SAMP-SEQ=SPAR S64; NSAMP=20		Prime + Parallel Group 1-3	[==>(Copy 1)] [==>(Copy 2)]		[1]
	3		ANY	NIC2, MULTIACCUM, NIC2	F160W	CAMERA-FOCUS=1-2; SAMP-SEQ=SPAR S64; NSAMP=20		Prime + Parallel Group 1-3	[==>(Copy 1)] [==>(Copy 2)]		[1]
	4		(22) NGC0891-HAL O-2	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=DEF	SAME POS AS 1; LOW-SKY	Prime + Parallel Group 4-6	2000.0 Secs [==>1100.0 Secs (Split 1)] [==>(Split 2)]		[2]
	5		ANY	NIC1, MULTIACCUM, NIC1	F160W	CAMERA-FOCUS=1-2; SAMP-SEQ=SPAR S64; NSAMP=20		Prime + Parallel Group 4-6	[==>(Copy 1)] [==>(Copy 2)]		[2]

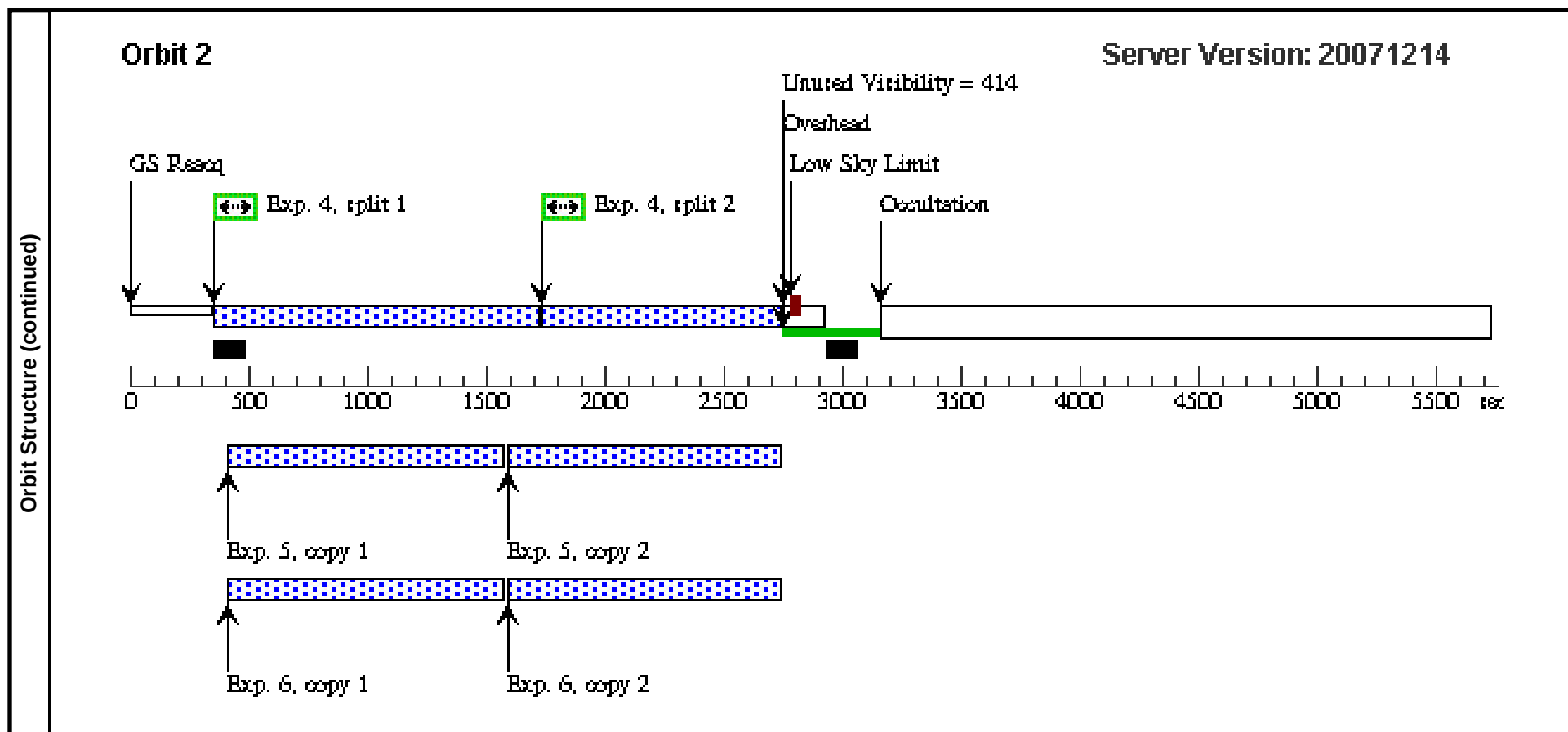
Proposal 10889 - Visit 2D - The Nature of the Halos and Thick Disks of Spiral Galaxies

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	6		ANY	NIC2, MULTIACCUM, NIC2	F160W	CAMERA-FOCUS=1-2; SAMP-SEQ=SPAR S64; NSAMP=20		Prime + Parallel Group 4-6	[==>(Copy 1)] [==>(Copy 2)]	[2]

Orbit 1

Server Version: 20071214

Orbit Structure



Proposal 10889 - Visit 2E - The Nature of the Halos and Thick Disks of Spiral Galaxies

Visit	Proposal 10889, Visit 2E, implementation								Thu Jan 17 20:26:51 GMT 2008	
	Diagnostic Status: Warning									
	Scientific Instruments: NIC2, WFPC2, NIC1									
	Special Requirements: SAME ORIENT AS 22									
	Comments: NGC891 POS2 POSTARG dither 6, F606W & F814W large POSTARG puts NIC1 & NIC2 parallel on bulge ORIENT constraint puts WFPC2 on outer disk									
Diagnostics	(Visit 2E) Warning (OP): POS TARG OUTSIDE OF APERTURE									
	(Visit 2E) Warning (OP): POS TARG OUTSIDE OF APERTURE									
	(Prime + Parallel Group 1-3) Warning (Form): Only Primary NIC exposure in a Parallel group should specify CAMERA-FOCUS Optional Parameter.									
	(Prime + Parallel Group 4-6) Warning (Form): Only Primary NIC exposure in a Parallel group should specify CAMERA-FOCUS Optional Parameter.									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(22)	NGC0891-HALO-2	RA: 02 22 46.7700 (35.6948750d) Dec: +42 26 17.90 (42.43831d) Equinox: J2000			V=10.83+/-0.19		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(22) NGC0891-HAL O-2	WFPC2, IMAGE, WFALL	F606W	CR-SPLIT=DEF	POS TARG -444.07 8698,3.374753; LOW-SKY	Prime + Parallel Group up 1-3	2000.0 Secs [==>1100.0 Secs (Split 1)] [==>(Split 2)]	[1]
	2		ANY	NIC1, MULTIACCUM, NIC1	F160W	CAMERA-FOCUS=1-2; SAMP-SEQ=SPAR S64; NSAMP=20		Prime + Parallel Group up 1-3	[==>(Copy 1)] [==>(Copy 2)]	[1]
	3		ANY	NIC2, MULTIACCUM, NIC2	F160W	CAMERA-FOCUS=1-2; SAMP-SEQ=SPAR S64; NSAMP=20		Prime + Parallel Group up 1-3	[==>(Copy 1)] [==>(Copy 2)]	[1]
	4		(22) NGC0891-HAL O-2	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=DEF	SAME POS AS 1; LOW-SKY	Prime + Parallel Group up 4-6	2000.0 Secs [==>1100.0 Secs (Split 1)] [==>(Split 2)]	[2]
	5		ANY	NIC1, MULTIACCUM, NIC1	F160W	CAMERA-FOCUS=1-2; SAMP-SEQ=SPAR S64; NSAMP=20		Prime + Parallel Group up 4-6	[==>(Copy 1)] [==>(Copy 2)]	[2]

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	6		ANY	NIC2, MULTIACCUM, NIC2	F160W	CAMERA-FOCUS=1-2; SAMP-SEQ=SPAR S64; NSAMP=20		Prime + Parallel Group 4-6	[==>(Copy 1)] [==>(Copy 2)]	[2]

Orbit 1

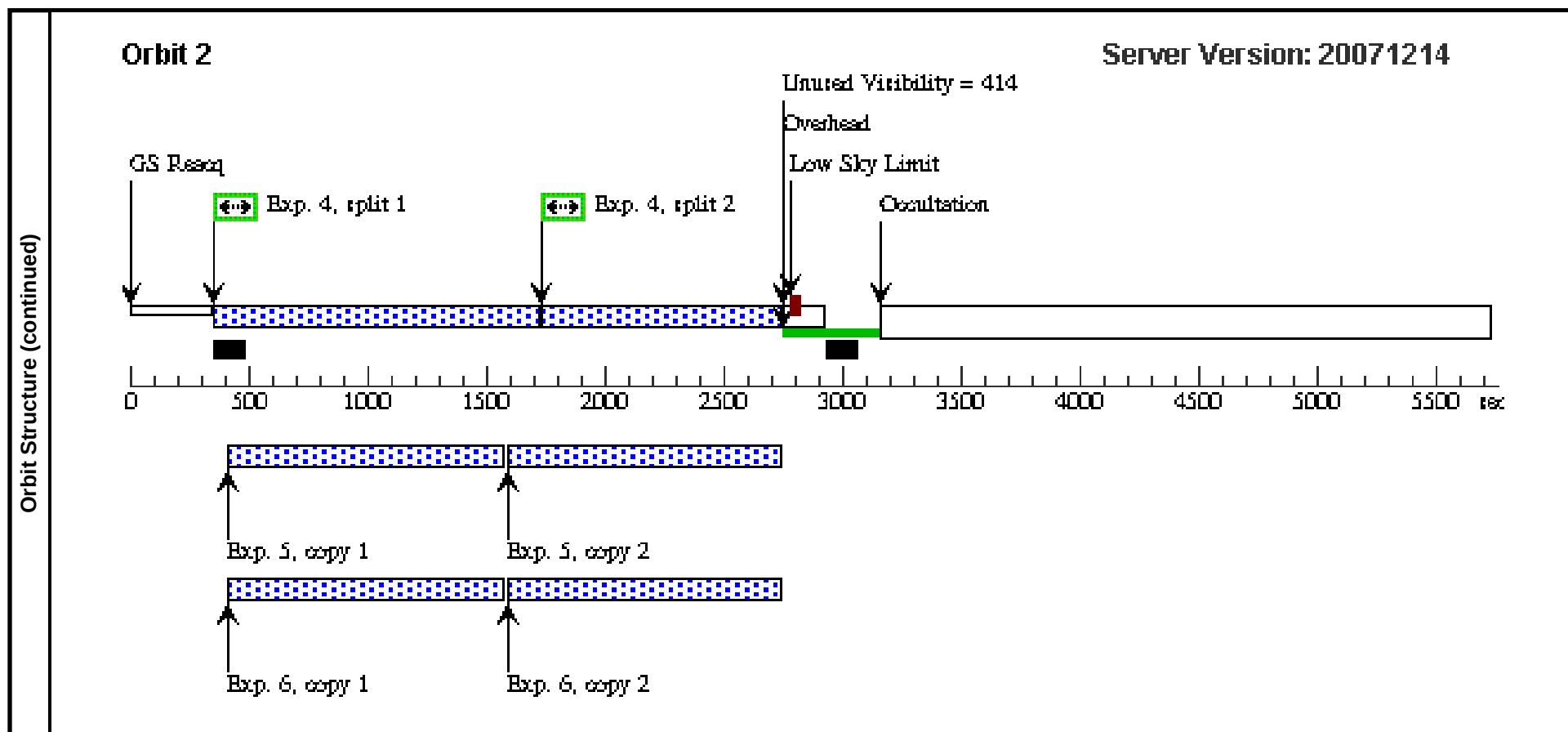
Server Version: 20071214

The diagram illustrates the timing of observations for Orbit 1. The main timeline (0 to 5500 seconds) includes:

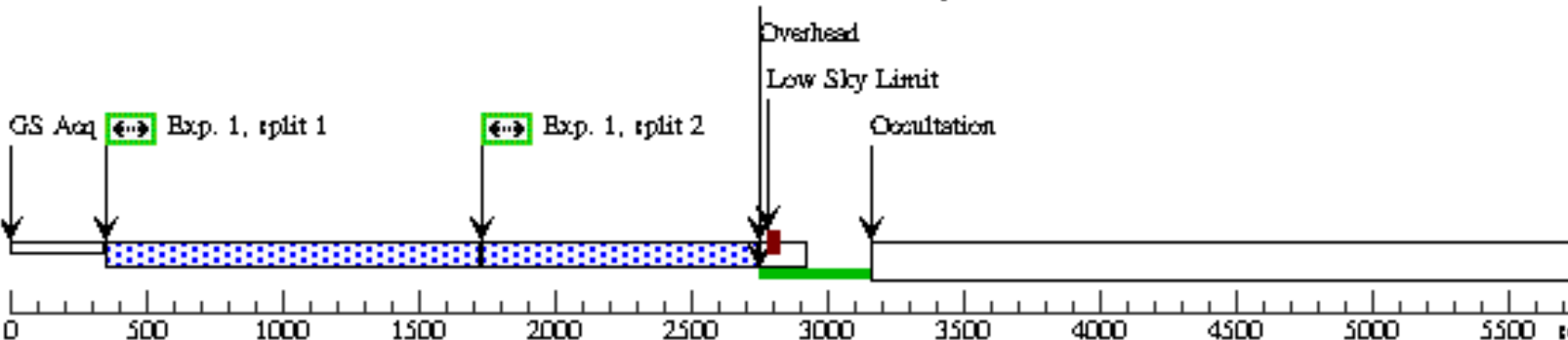
- GS Acq (Green arrow at ~100s)
- Expt. 1, split 1 (Green box with double arrow at ~400s)
- Expt. 1, split 2 (Green box with double arrow at ~1800s)
- Overhead (Red box at ~2800s)
- Unused Visibility = 413 (Text label at ~2800s)
- Low Sky Limit (Text label at ~2800s)
- Occultation (Text label at ~3100s)
- A long white bar representing a period of no observations from ~3100s to ~5500s.

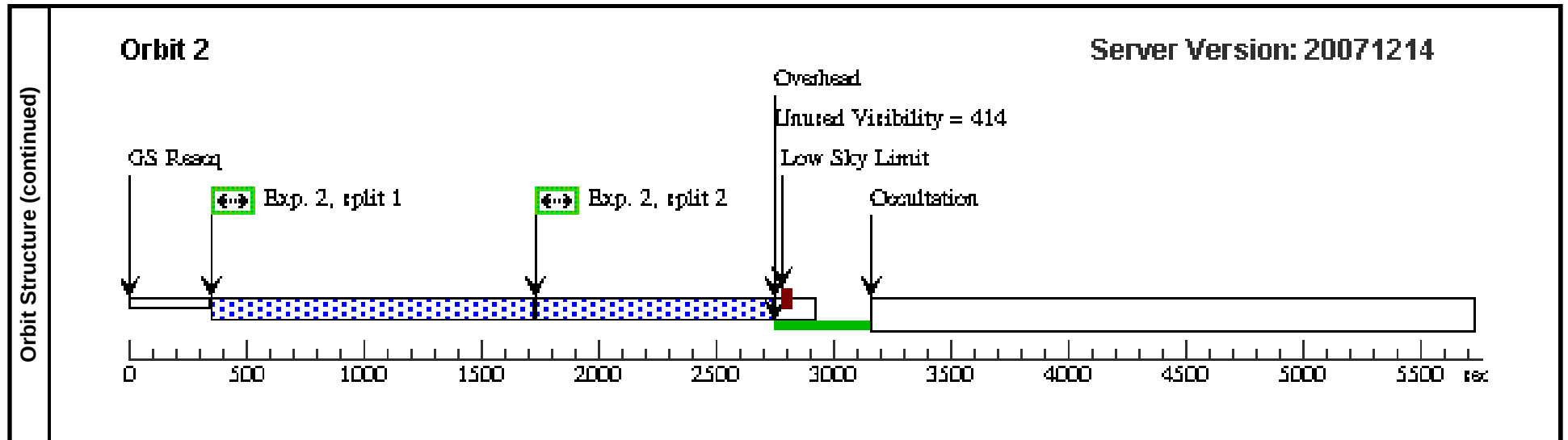
Below the main timeline, four blue hatched bars represent additional exposures:

- Expt. 2, copy 1 (Blue hatched bar from ~400s to ~1800s)
- Expt. 2, copy 2 (Blue hatched bar from ~1800s to ~2800s)
- Expt. 3, copy 1 (Blue hatched bar from ~400s to ~1800s)
- Expt. 3, copy 2 (Blue hatched bar from ~1800s to ~2800s)



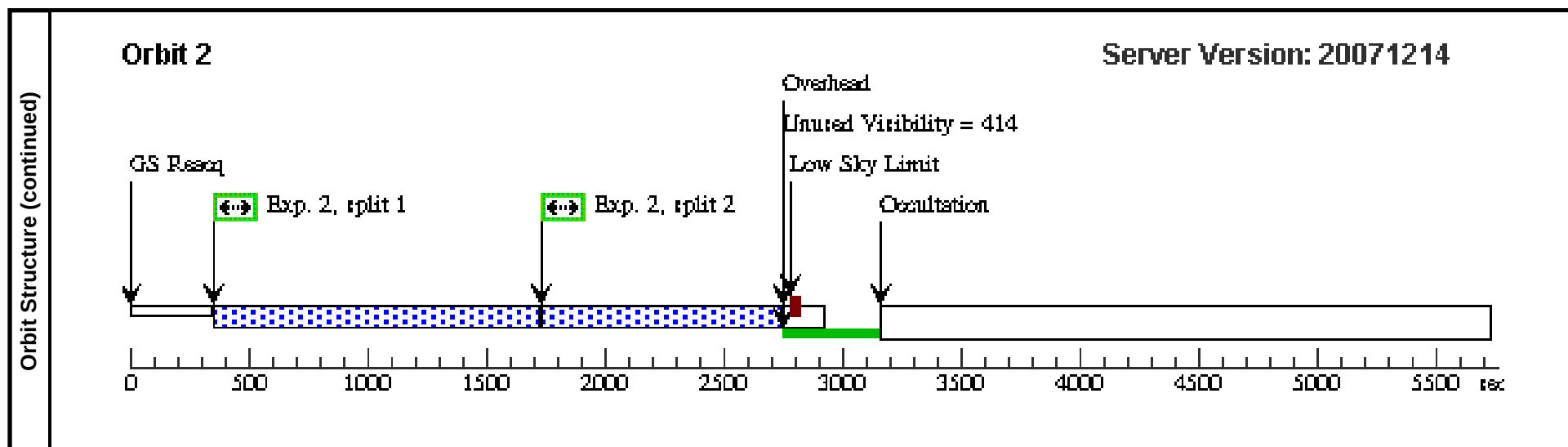
Proposal 10889 - Visit 23 - The Nature of the Halos and Thick Disks of Spiral Galaxies

Visit	Proposal 10889, Visit 23, implementation										Thu Jan 17 20:26:51 GMT 2008
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFPC2										
	Special Requirements: (none)										
	Comments: NGC891 POS3 POSTARG dither 1, F606W & F814W										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(23)	NGC0891-HALO-3	RA: 02 22 48.4500 (35.7018750d) Dec: +42 28 12.70 (42.47019d) Equinox: J2000				V=10.83+/-0.19		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1		(23) NGC0891-HAL O-3	WFPC2, IMAGE, WFALL	F606W	CR-SPLIT=DEF	LOW-SKY		2000.0 Secs		
									[==>1100.0 Secs (Split 1)]	[1]	
									[==>(Split 2)]		
	2		(23) NGC0891-HAL O-3	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=DEF	SAME POS AS 1; LOW-SKY		2000.0 Secs		
									[==>1100.0 Secs (Split 1)]	[2]	
									[==>(Split 2)]		
Orbit Structure	Orbit 1 Server Version: 20071214 Unused Visibility = 414 Overhead Low Sky Limit Occultation GS Acq Exp. 1, split 1 Exp. 1, split 2 										



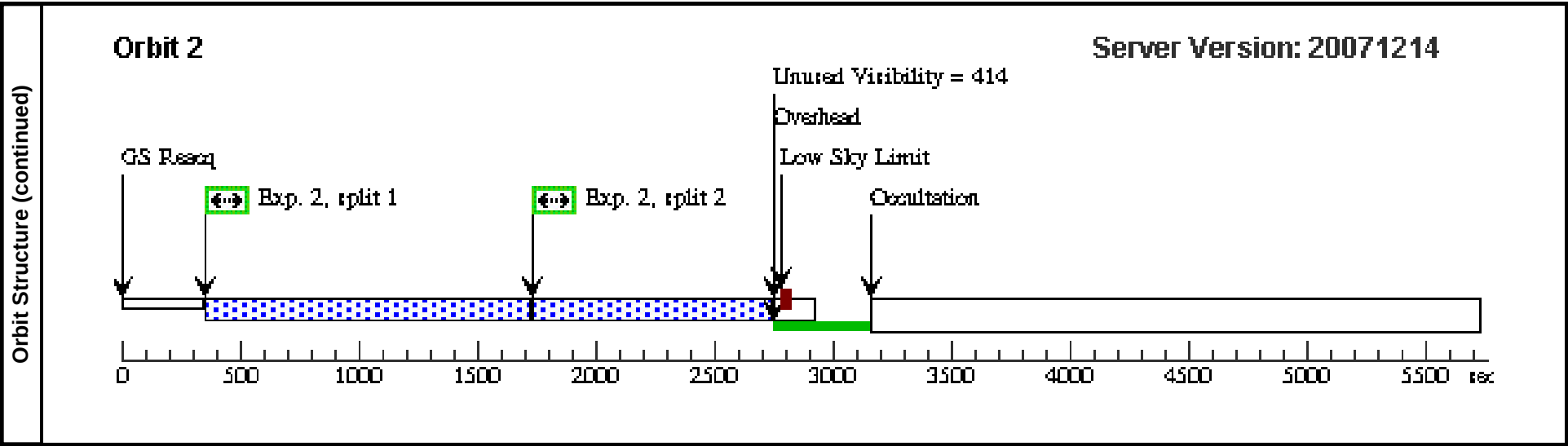
Proposal 10889 - Visit 2F - The Nature of the Halos and Thick Disks of Spiral Galaxies

Visit	Proposal 10889, Visit 2F, implementation										Thu Jan 17 20:26:51 GMT 2008
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFPC2										
	Special Requirements: SAME ORIENT AS 23										
	Comments: NGC891 POS3 POSTARG dither 2, F606W & F814W										
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(23)	NGC0891-HALO-3	RA: 02 22 48.4500 (35.7018750d) Dec: +42 28 12.70 (42.47019d) Equinox: J2000					V=10.83+/-0.19		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(23) NGC0891-HAL O-3	WFPC2, IMAGE, WFALL	F606W	CR-SPLIT=DEF	POS TARG 0.5,0.25; LOW-SKY		2000.0 Secs		
									[==>1100.0 Secs (Split 1)]		[1]
									[==>(Split 2)]		
	2		(23) NGC0891-HAL O-3	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=DEF	SAME POS AS 1; LOW-SKY		2000.0 Secs		
									[==>1100.0 Secs (Split 1)]		[2]
									[==>(Split 2)]		
Orbit Structure	Orbit 1										
	Server Version: 20071214										
Unused Visibility = 414 Overhead Low Sky Limit Occultation GS Acq Exp. 1, split 1 Exp. 1, split 2 05001000150020002500300035004000450050005500 sec.											



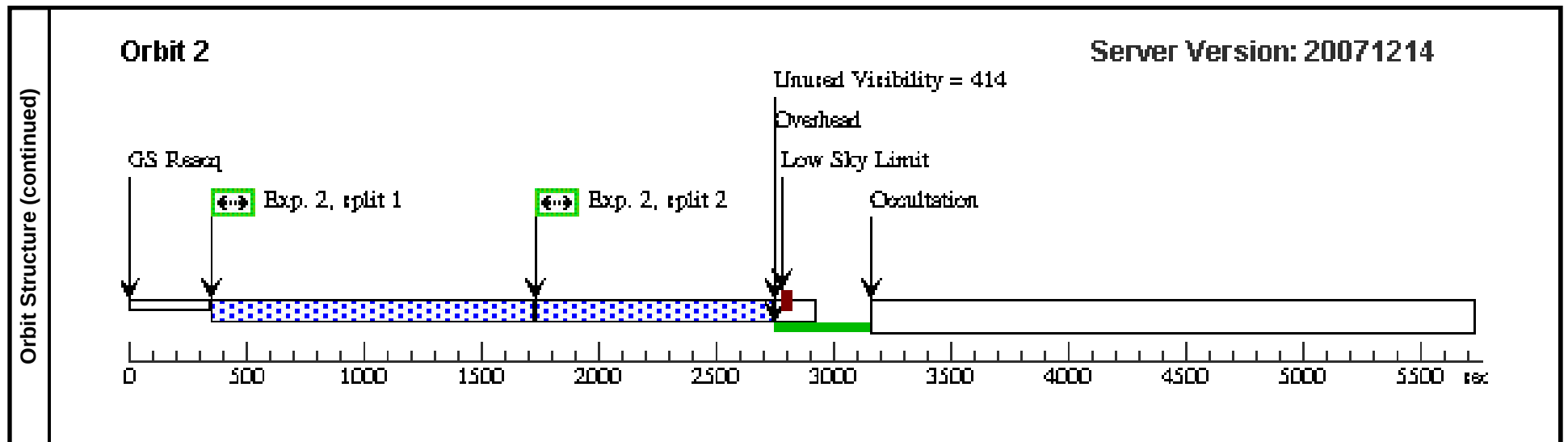
Proposal 10889 - Visit 2G - The Nature of the Halos and Thick Disks of Spiral Galaxies

Visit	Proposal 10889, Visit 2G, implementation										Thu Jan 17 20:26:51 GMT 2008
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFPC2										
	Special Requirements: SAME ORIENT AS 23										
	Comments: NGC891 POS3 POSTARG dither 3, F606W & F814W										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(23)	NGC0891-HALO-3	RA: 02 22 48.4500 (35.7018750d) Dec: +42 28 12.70 (42.47019d) Equinox: J2000				V=10.83+/-0.19		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1		(23) NGC0891-HAL O-3	WFPC2, IMAGE, WFALL	F606W	CR-SPLIT=DEF	POS TARG 0.75,0.75; LOW-SKY		2000.0 Secs [>=>1100.0 Secs (Split 1)] [>=>(Split 2)]	[1]	
	2		(23) NGC0891-HAL O-3	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=DEF	SAME POS AS 1; LOW-SKY		2000.0 Secs [>=>1100.0 Secs (Split 1)] [>=>(Split 2)]	[2]	
Orbit Structure	Orbit 1										
	Server Version: 20071214										

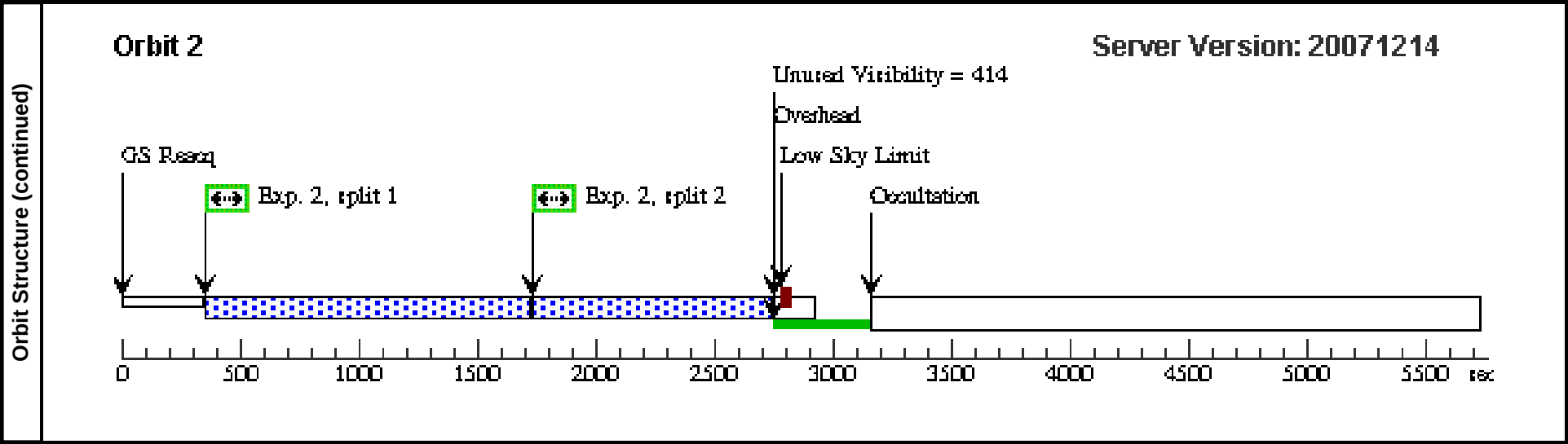


Proposal 10889 - Visit 2H - The Nature of the Halos and Thick Disks of Spiral Galaxies

Visit	Proposal 10889, Visit 2H, implementation										Thu Jan 17 20:26:52 GMT 2008
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFPC2										
	Special Requirements: SAME ORIENT AS 23										
	Comments: NGC891 POS3 POSTARG dither 4, F606W & F814W										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(23)	NGC0891-HALO-3	RA: 02 22 48.4500 (35.7018750d) Dec: +42 28 12.70 (42.47019d) Equinox: J2000				V=10.83+/-0.19		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1		(23) NGC0891-HAL O-3	WFPC2, IMAGE, WFALL	F606W	CR-SPLIT=DEF	POS TARG 0.25,0.5; LOW-SKY		2000.0 Secs [==>1100.0 Secs (Split 1)] [==>(Split 2)]	[1]	
	2		(23) NGC0891-HAL O-3	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=DEF	SAME POS AS 1; LOW-SKY		2000.0 Secs [==>1100.0 Secs (Split 1)] [==>(Split 2)]	[2]	
Orbit Structure	Orbit 1										Server Version: 20071214
	Unused Visibility = 414 Overhead Low Sky Limit Occultation GS Acq Exp. 1, split 1 Exp. 1, split 2 05001000150020002500300035004000450050005500 sec.										

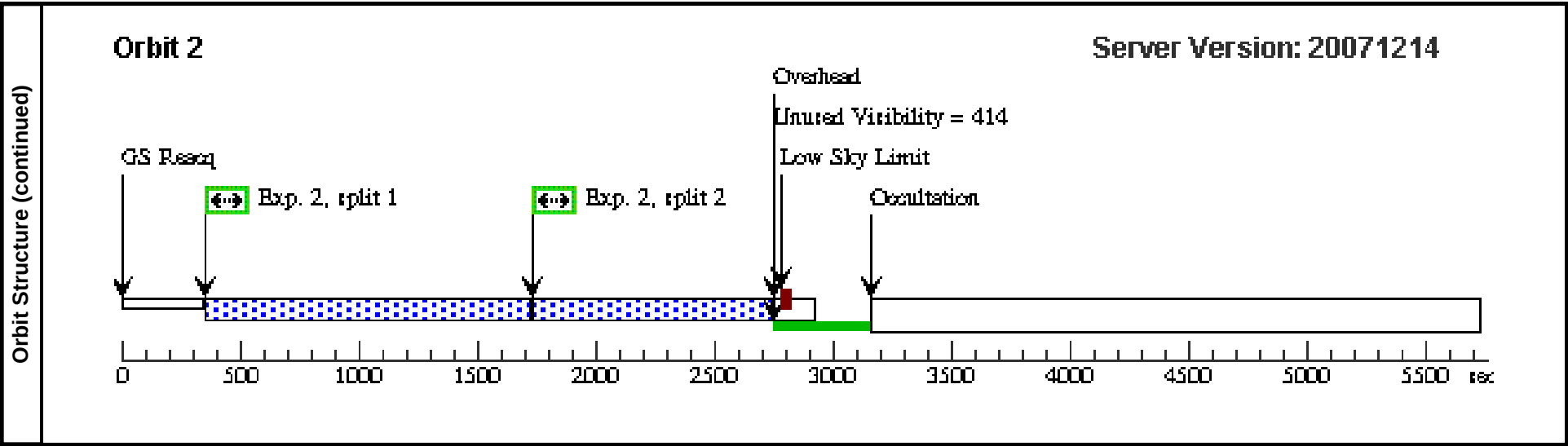


Visit	Proposal 10889, Visit 2I, implementation										Thu Jan 17 20:26:52 GMT 2008	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: WFPC2											
	Special Requirements: SAME ORIENT AS 23											
Comments: NGC891 POS3												
POSTARG dither 5, F606W & F814W												
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(23)	NGC0891-HALO-3	RA: 02 22 48.4500 (35.7018750d) Dec: +42 28 12.70 (42.47019d) Equinox: J2000					V=10.83+/-0.19		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit	
	1		(23) NGC0891-HAL O-3	WFPC2, IMAGE, WFALL	F606W	CR-SPLIT=DEF	POS TARG -0.33,0.66; LOW-SKY		2000.0 Secs [==>1100.0 Secs (Split 1)] [==>(Split 2)]		[1]	
	2		(23) NGC0891-HAL O-3	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=DEF	SAME POS AS 1; LOW-SKY		2000.0 Secs [==>1100.0 Secs (Split 1)] [==>(Split 2)]		[2]	
Orbit Structure	Orbit 1											Server Version: 20071214
	Unused Viribility = 414 Overhead Low Sky Limit Occultation GS Acq Exp. 1, split 1 Exp. 1, split 2 05001000150020002500300035004000450050005500 sec.											



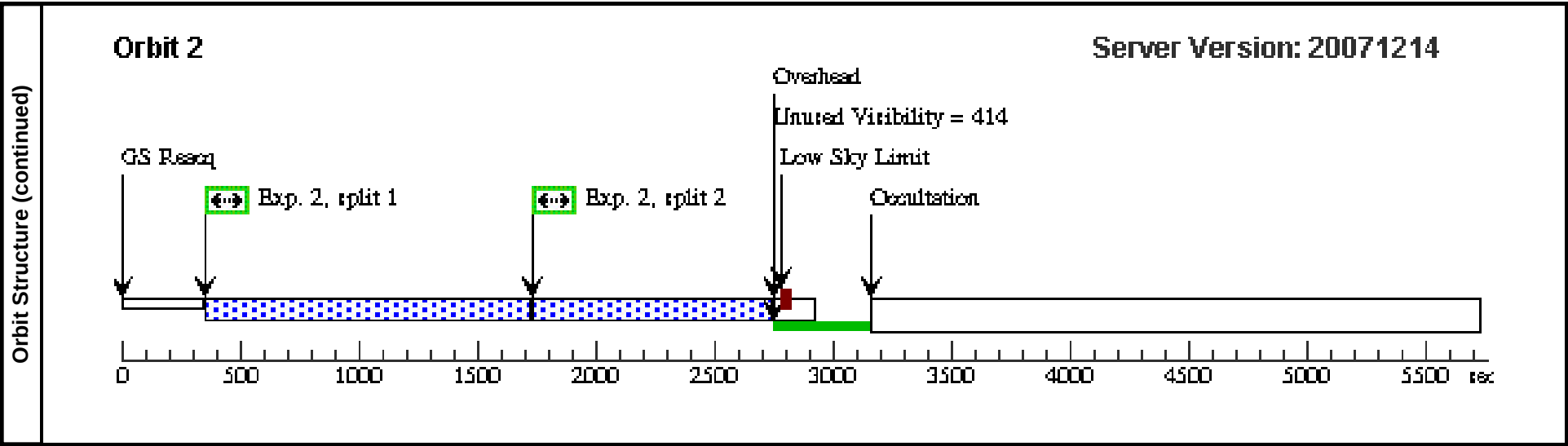
Proposal 10889 - Visit 2J - The Nature of the Halos and Thick Disks of Spiral Galaxies

Visit	Proposal 10889, Visit 2J, implementation										Thu Jan 17 20:26:52 GMT 2008
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFPC2										
	Special Requirements: SAME ORIENT AS 23										
	Comments: NGC891 POS3 POSTARG dither 6, F606W & F814W										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(23)	NGC0891-HALO-3	RA: 02 22 48.4500 (35.7018750d) Dec: +42 28 12.70 (42.47019d) Equinox: J2000				V=10.83+/-0.19		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1		(23) NGC0891-HAL O-3	WFPC2, IMAGE, WFALL	F606W	CR-SPLIT=DEF	POS TARG 0.66,-0.33; LOW-SKY		2000.0 Secs [==>1100.0 Secs (Split 1)] [==>(Split 2)]	[1]	
	2		(23) NGC0891-HAL O-3	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=DEF	SAME POS AS 1; LOW-SKY		2000.0 Secs [==>1100.0 Secs (Split 1)] [==>(Split 2)]	[2]	
Orbit Structure	Orbit 1										Server Version: 20071214



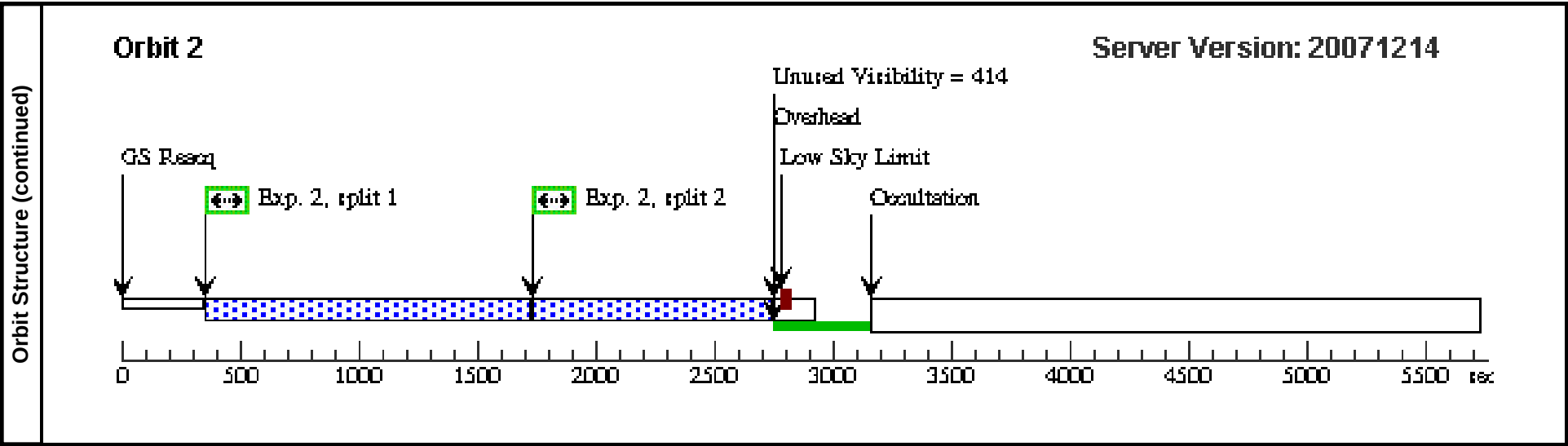
Proposal 10889 - Visit 24 - The Nature of the Halos and Thick Disks of Spiral Galaxies

Visit	Proposal 10889, Visit 24, implementation										Thu Jan 17 20:26:53 GMT 2008
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFPC2										
	Special Requirements: (none)										
	Comments: NGC891 POS4 POSTARG dither 1, F606W & F814W										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(24)	NGC0891-HALO-4	RA: 02 24 26.4600 (36.1102500d) Dec: +42 11 54.10 (42.19836d) Equinox: J2000				V=10.83+/-0.19		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1		(24) NGC0891-HAL O-4	WFPC2, IMAGE, WFALL	F606W	CR-SPLIT=DEF	LOW-SKY		2000.0 Secs		
									[>=>1100.0 Secs (Split 1)]	[1]	
									[>=>(Split 2)]		
	2		(24) NGC0891-HAL O-4	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=DEF	SAME POS AS 1; LOW-SKY		2000.0 Secs		
									[>=>1100.0 Secs (Split 1)]	[2]	
									[>=>(Split 2)]		
Orbit Structure	Orbit 1										
	Server Version: 20071214										



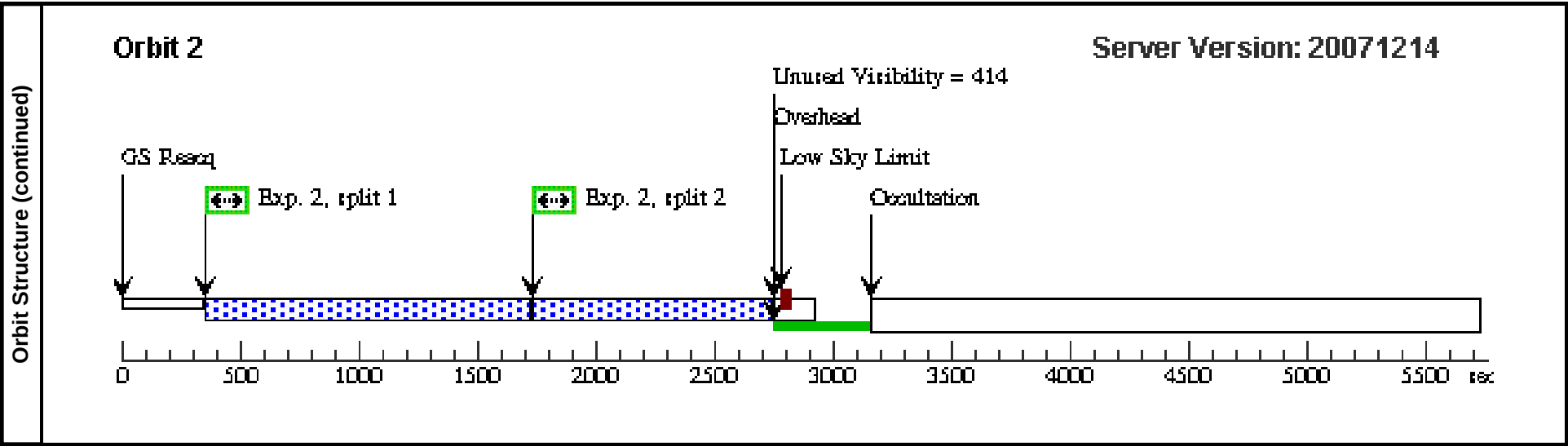
Proposal 10889 - Visit 2K - The Nature of the Halos and Thick Disks of Spiral Galaxies

Visit	Proposal 10889, Visit 2K, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: SAME ORIENT AS 24 Comments: NGC891 POS4 POSTARG dither 2, F606W & F814W					Thu Jan 17 20:26:53 GMT 2008			
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(24)	NGC0891-HALO-4	RA: 02 24 26.4600 (36.1102500d) Dec: +42 11 54.10 (42.19836d) Equinox: J2000		V=10.83+/-0.19	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]
	1	(24) NGC0891-HAL O-4	WFPC2, IMAGE, WFALL	F606W	CR-SPLIT=DEF	POS TARG 0.5,0.25; LOW-SKY			2000.0 Secs [==>1100.0 Secs (Split 1)] [==>(Split 2)]
	2	(24) NGC0891-HAL O-4	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=DEF	SAME POS AS 1; LOW-SKY			2000.0 Secs [==>1100.0 Secs (Split 1)] [==>(Split 2)]
Orbit Structure	Orbit 1					Server Version: 20071214			



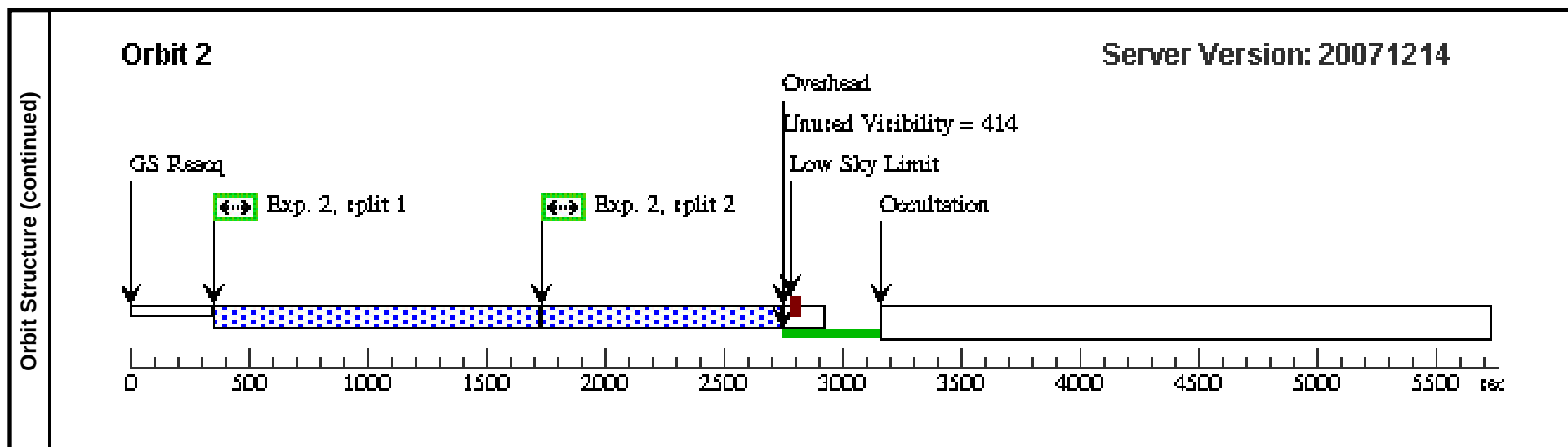
Proposal 10889 - Visit 2L - The Nature of the Halos and Thick Disks of Spiral Galaxies

Visit	Proposal 10889, Visit 2L, implementation									Thu Jan 17 20:26:53 GMT 2008
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFPC2									
	Special Requirements: SAME ORIENT AS 24									
	Comments: NGC891 POS4 POSTARG dither 3, F606W & F814W									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(24)	NGC0891-HALO-4	RA: 02 24 26.4600 (36.1102500d) Dec: +42 11 54.10 (42.19836d) Equinox: J2000				V=10.83+/-0.19		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(24) NGC0891-HAL O-4	WFPC2, IMAGE, WFALL	F606W	CR-SPLIT=DEF	POS TARG 0.75,0.75; LOW-SKY		2000.0 Secs [==>1100.0 Secs (Split 1)] [==>(Split 2)]	[1]
	2		(24) NGC0891-HAL O-4	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=DEF	SAME POS AS 1; LOW-SKY		2000.0 Secs [==>1100.0 Secs (Split 1)] [==>(Split 2)]	[2]
Orbit Structure	Orbit 1									
	Server Version: 20071214									
Unused Visibility = 414 Overhead Low Sky Limit Occultation GS Acq Exp. 1, split 1 Exp. 1, split 2 05001000150020002500300035004000450050005500sec.										



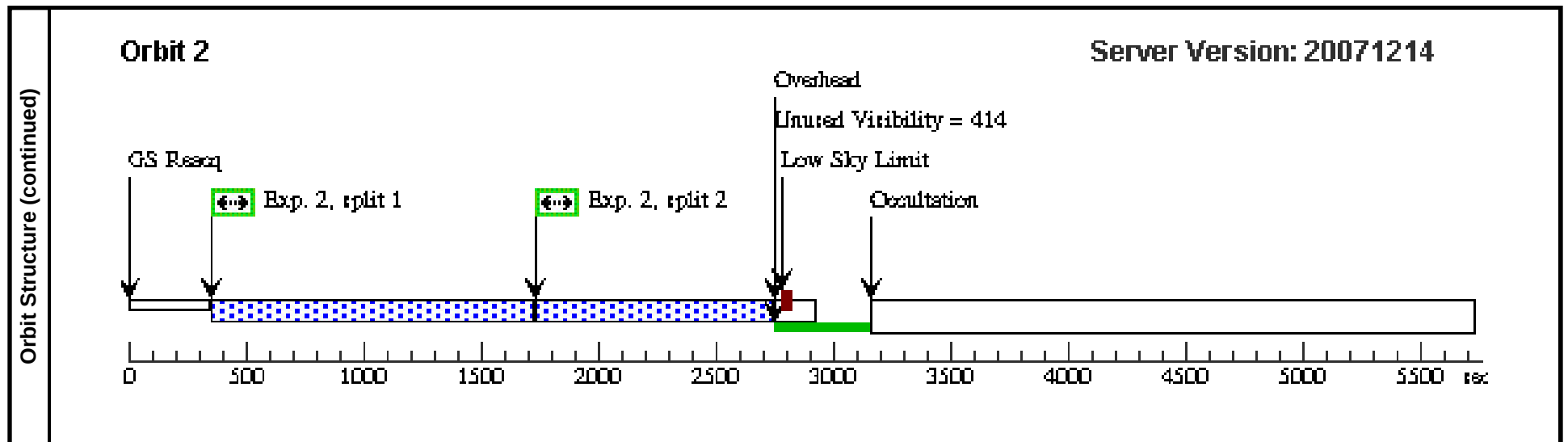
Proposal 10889 - Visit 2M - The Nature of the Halos and Thick Disks of Spiral Galaxies

Visit	Proposal 10889, Visit 2M, implementation										Thu Jan 17 20:26:54 GMT 2008
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFPC2										
	Special Requirements: SAME ORIENT AS 24										
	Comments: NGC891 POS4 POSTARG dither 4, F606W & F814W										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(24)	NGC0891-HALO-4	RA: 02 24 26.4600 (36.1102500d) Dec: +42 11 54.10 (42.19836d) Equinox: J2000				V=10.83+/-0.19		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1		(24) NGC0891-HAL O-4	WFPC2, IMAGE, WFALL	F606W	CR-SPLIT=DEF	POS TARG 0.25,0.5; LOW-SKY		2000.0 Secs [==>1100.0 Secs (Split 1)] [==>(Split 2)]	[1]	
	2		(24) NGC0891-HAL O-4	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=DEF	SAME POS AS 1; LOW-SKY		2000.0 Secs [==>1100.0 Secs (Split 1)] [==>(Split 2)]	[2]	
Orbit Structure	Orbit 1										Server Version: 20071214



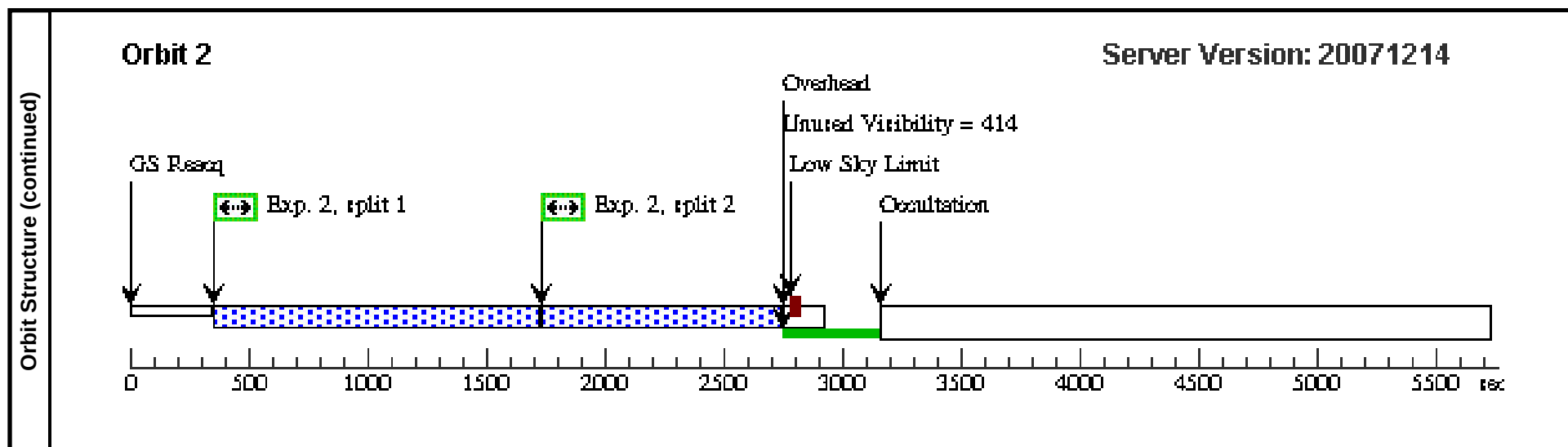
Proposal 10889 - Visit 2N - The Nature of the Halos and Thick Disks of Spiral Galaxies

Visit	Proposal 10889, Visit 2N, implementation										Thu Jan 17 20:26:54 GMT 2008
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFPC2										
	Special Requirements: SAME ORIENT AS 24										
	Comments: NGC891 POS4 POSTARG dither 5, F606W & F814W										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(24)	NGC0891-HALO-4	RA: 02 24 26.4600 (36.1102500d) Dec: +42 11 54.10 (42.19836d) Equinox: J2000				V=10.83+/-0.19		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1		(24) NGC0891-HAL O-4	WFPC2, IMAGE, WFALL	F606W	CR-SPLIT=DEF	POS TARG -0.33,0.66; LOW-SKY		2000.0 Secs [==>1100.0 Secs (Split 1)] [==>(Split 2)]	[1]	
	2		(24) NGC0891-HAL O-4	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=DEF	SAME POS AS 1; LOW-SKY		2000.0 Secs [==>1100.0 Secs (Split 1)] [==>(Split 2)]	[2]	
Orbit Structure	Orbit 1										Server Version: 20071214



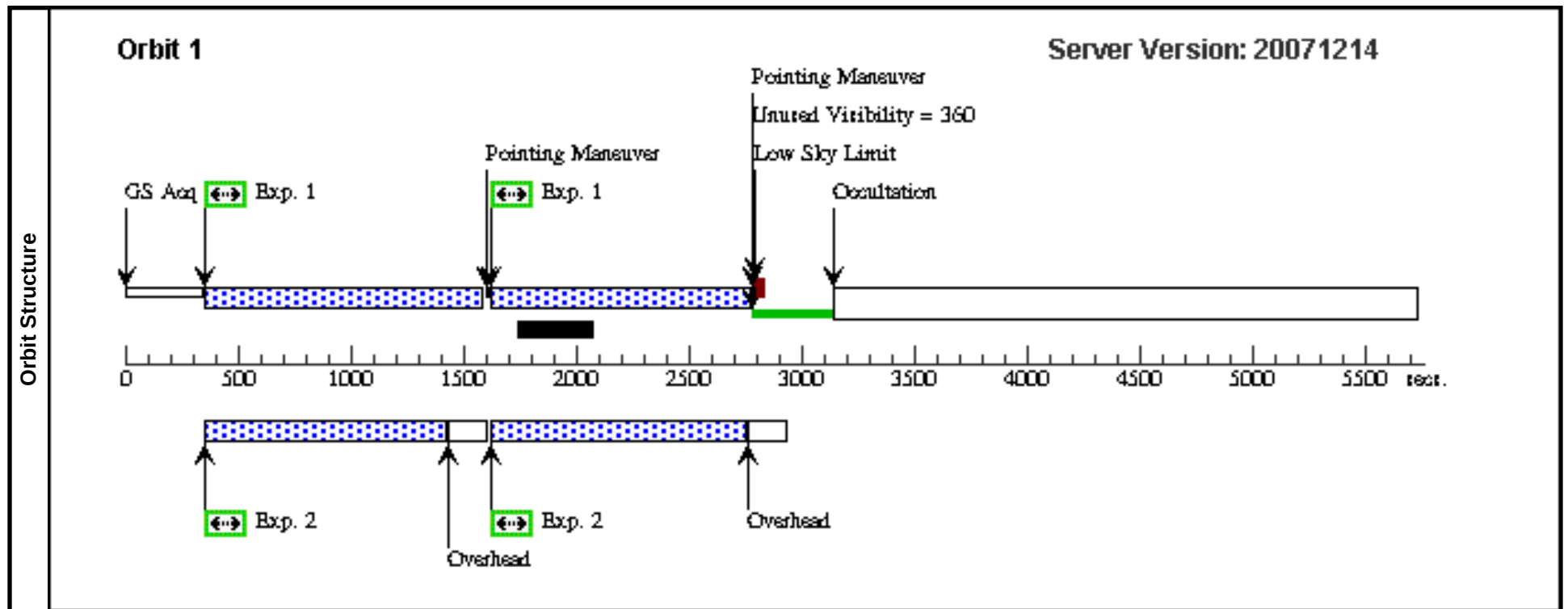
Proposal 10889 - Visit 2O - The Nature of the Halos and Thick Disks of Spiral Galaxies

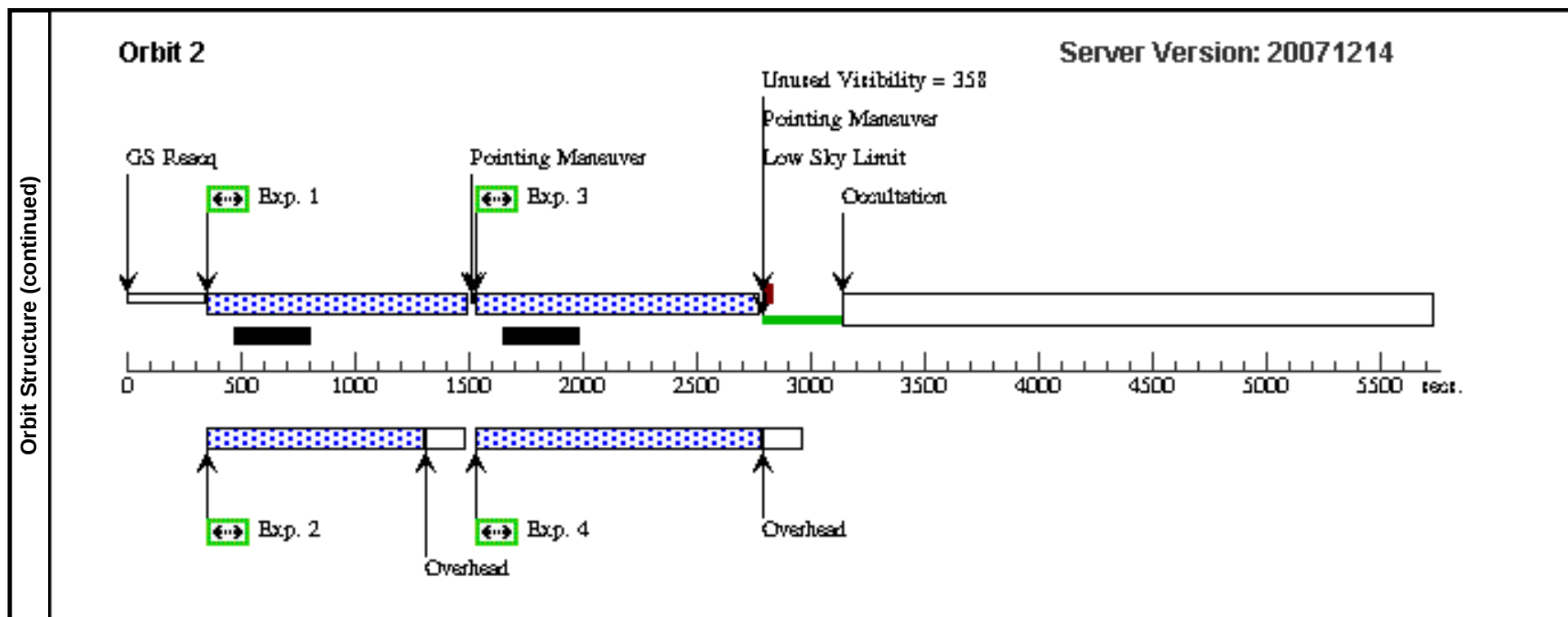
Visit	Proposal 10889, Visit 2O, implementation									Thu Jan 17 20:26:54 GMT 2008
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFPC2									
	Special Requirements: SAME ORIENT AS 24									
	Comments: NGC891 POS4 POSTARG dither 6, F606W & F814W									
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(24)	NGC0891-HALO-4	RA: 02 24 26.4600 (36.1102500d) Dec: +42 11 54.10 (42.19836d) Equinox: J2000				V=10.83+/-0.19		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(24) NGC0891-HAL O-4	WFPC2, IMAGE, WFALL	F606W	CR-SPLIT=DEF	POS TARG 0.66,-0.33; LOW-SKY		2000.0 Secs [>=>1100.0 Secs (Split 1)] [>=>(Split 2)]	[1]
	2		(24) NGC0891-HAL O-4	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=DEF	SAME POS AS 1; LOW-SKY		2000.0 Secs [>=>1100.0 Secs (Split 1)] [>=>(Split 2)]	[2]
Orbit Structure	Orbit 1 Server Version: 20071214 Unused Visibility = 414 Overhead Low Sky Limit Occultation GS Acq Exp. 1, split 1 Exp. 1, split 2 05001000150020002500300035004000450050005500sec.									

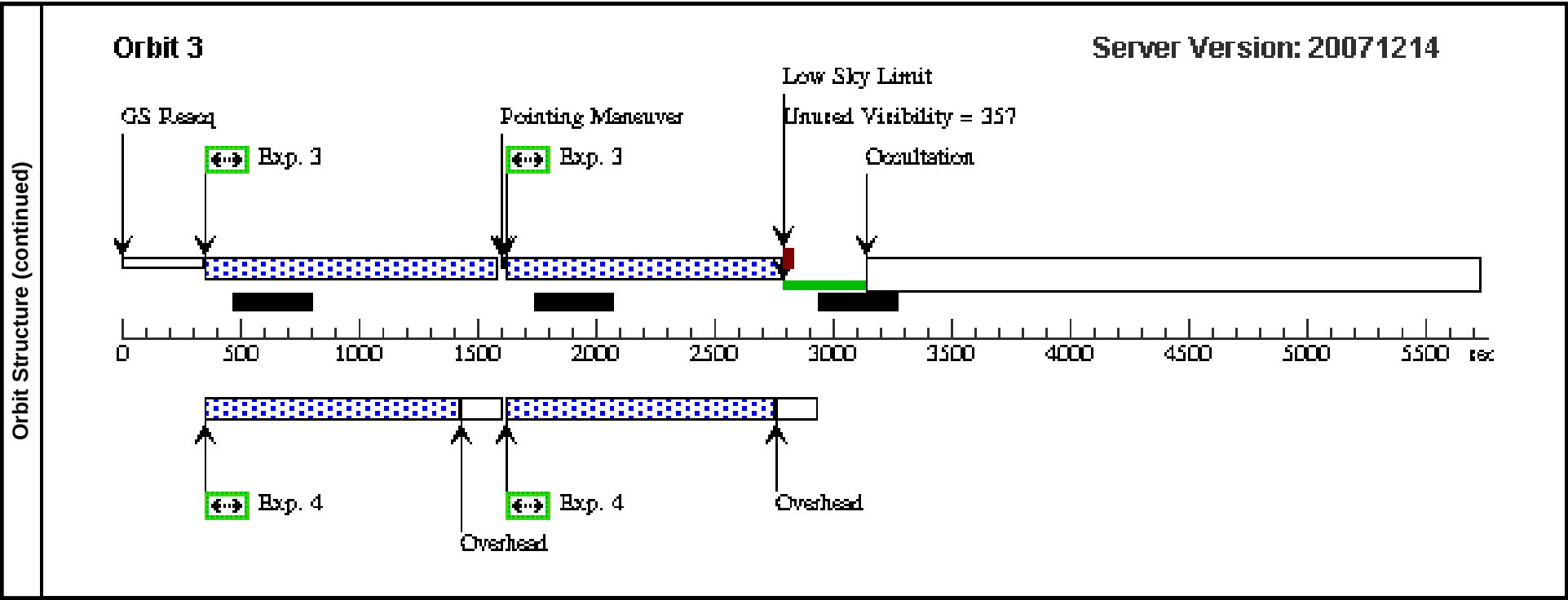


Proposal 10889 - Visit 33 - The Nature of the Halos and Thick Disks of Spiral Galaxies

Visit	Proposal 10889, Visit 33, completed										Thu Jan 17 20:26:55 GMT 2008	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: ACS/WFC, WFPC2											
	Special Requirements: (none)											
	Comments: 3-point dither of 7 dither steps for NGC4565 POS3											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures		
	(2)	Pattern Type=LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.21949 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.382 Angle Between Sides= Center Pattern=true						(1-2), (3-4)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(33)	NGC4565-HALO-3	RA: 12 36 25.6560 (189.1069000d) Dec: +26 00 58.09 (26.01614d) Equinox: J2000				V=9.74+/-0.49		Reference Frame: ICRS			
	Comments: This object was generated by the targetselector and retrieved from the NED database.											
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(33) NGC4565-HAL O-3	ACS/WFC, ACCUM, WFC-FIX		F814W	CR-SPLIT=NO	LOW-SKY	Pattern 1-2 (2) Prime + Parallel Gro up 1-2	1030.0 Secs		
										[==>(Pattern 1)]	[1]	
										[==>(Pattern 2)]		
	2	ANY	WFPC2, IMAGE, WF3	F606W		CR-SPLIT=NO	Pattern 1-2 (2) Prime + Parallel Gro up 1-2	[==>1020.0 Secs (Pattern 3)]	[2]			
								900.0 Secs				
								[==>(Pattern 1)]	[1]			
	3	(33) NGC4565-HAL O-3	ACS/WFC, ACCUM, WFC-FIX		F606W	CR-SPLIT=NO	LOW-SKY	Pattern 3-4 (2) Prime + Parallel Gro up 3-4	[==>1000.0 Secs (Pattern 2)]			
									[==>800.0 Secs (Pattern 3)]	[2]		
									1070.0 Secs			
	4	ANY	WFPC2, IMAGE, WF3		F606W	CR-SPLIT=NO	Pattern 3-4 (2) Prime + Parallel Gro up 3-4	[==>1065.0 Secs (Pattern 1)]	[2]			
								[==>1110.0 Secs (Pattern 2)]	[3]			
								[==>1035.0 Secs (Pattern 3)]				
900.0 Secs												
									[==>1100.0 Secs (Pattern 1)]	[2]		
									[==>(Pattern 2)]			
									[==>1000.0 Secs (Pattern 3)]	[3]		

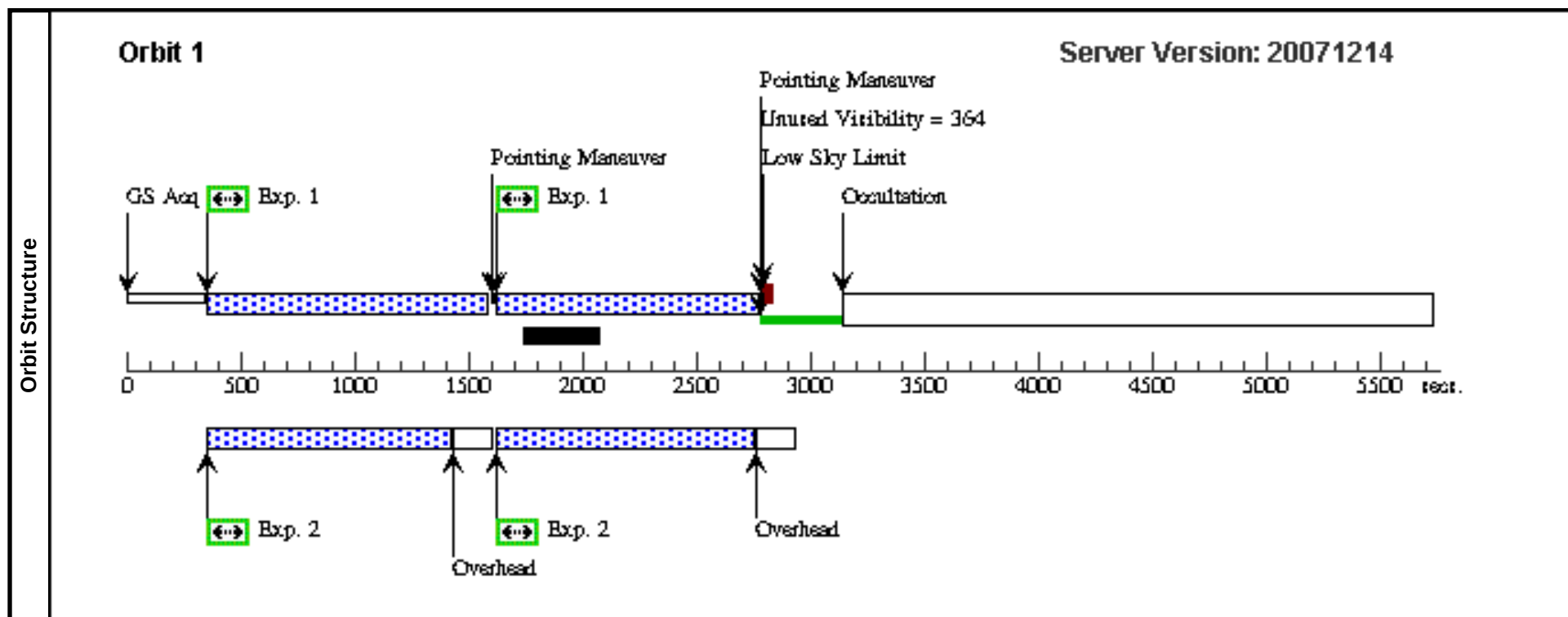


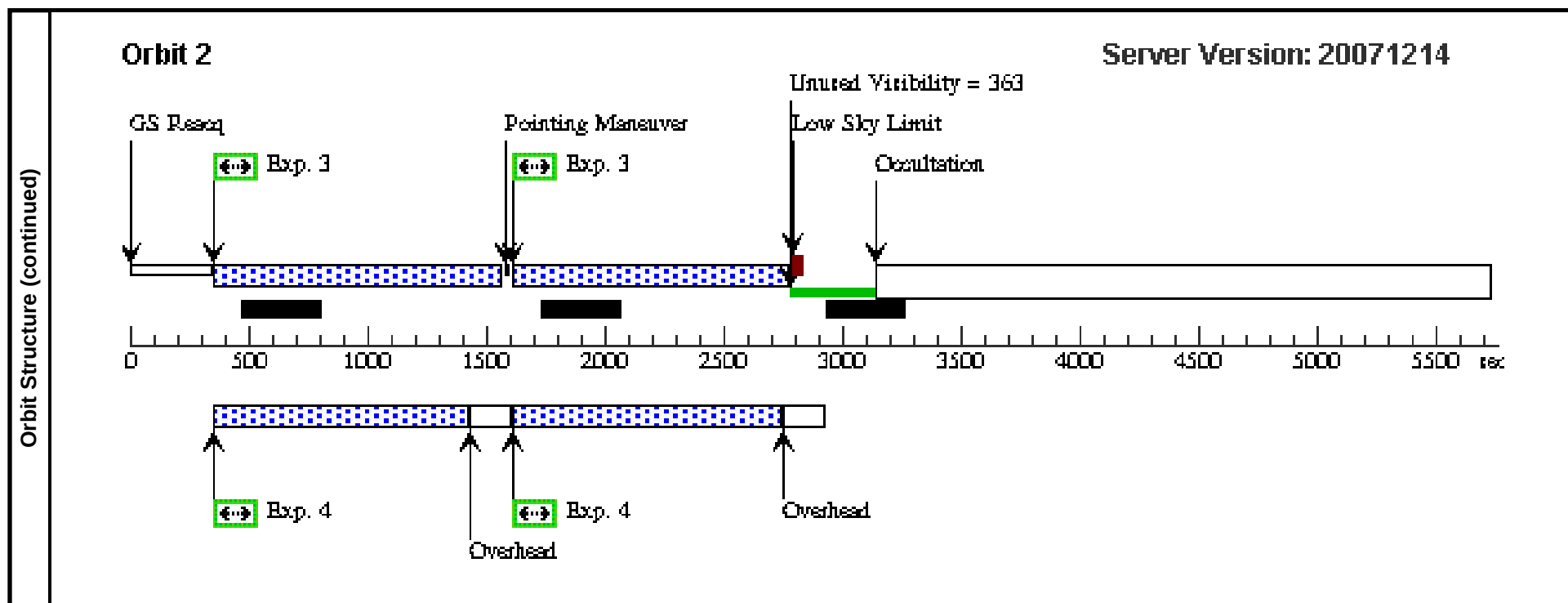




Proposal 10889 - Visit 3E - The Nature of the Halos and Thick Disks of Spiral Galaxies

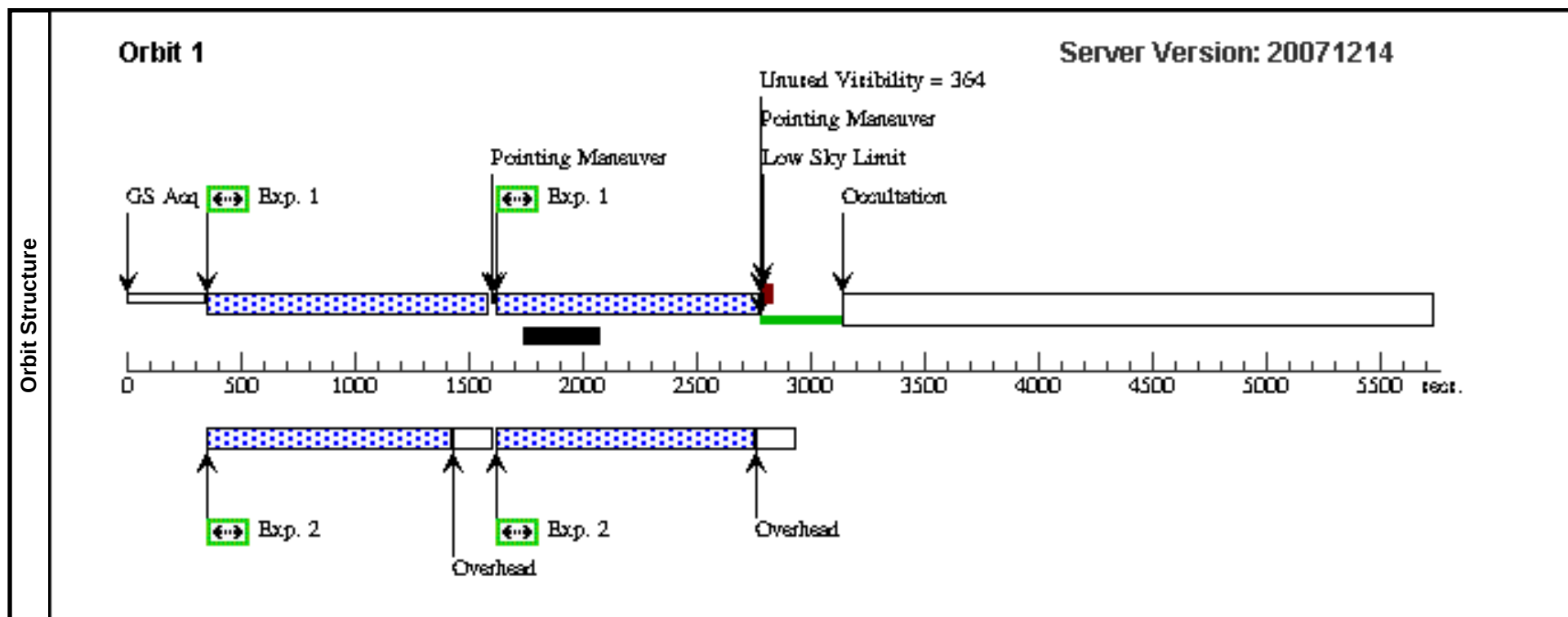
Visit	Proposal 10889, Visit 3E, completed				Thu Jan 17 20:26:55 GMT 2008					
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: ACS/WFC, WFPC2									
	Special Requirements: SAME ORIENT AS 33									
	Comments: 1st 2-point dither of 7 dither steps for NGC4565 POS3									
Patterns	#	Primary Pattern			Secondary Pattern			Exposures		
	(1)	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.3525 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=299.38 Angle Between Sides= Center Pattern=true					(1-2), (3-4)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(33)	NGC4565-HALO-3	RA: 12 36 25.6560 (189.1069000d) Dec: +26 00 58.09 (26.01614d) Equinox: J2000		V=9.74+/-0.49	Reference Frame: ICRS				
	Comments: This object was generated by the targetselector and retrieved from the NED database.									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(33) NGC4565-HAL O-3	ACS/WFC, ACCUM, WFC-FIX	F814W	CR-SPLIT=NO	LOW-SKY	Pattern 1-2 (1) Prime + Parallel Gro up 1-2	1028.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		ANY	WFPC2, IMAGE, WF3	F606W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Gro up 1-2	900.0 Secs [==>(Pattern 1)] [==>1000.0 Secs (Pattern 2)]	[1]
	3		(33) NGC4565-HAL O-3	ACS/WFC, ACCUM, WFC-FIX	F606W	CR-SPLIT=NO	LOW-SKY	Pattern 3-4 (1) Prime + Parallel Gro up 3-4	1035.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[2]
	4		ANY	WFPC2, IMAGE, WF3	F606W	CR-SPLIT=NO		Pattern 3-4 (1) Prime + Parallel Gro up 3-4	900.0 Secs [==>(Pattern 1)] [==>1000.0 Secs (Pattern 2)]	[2]

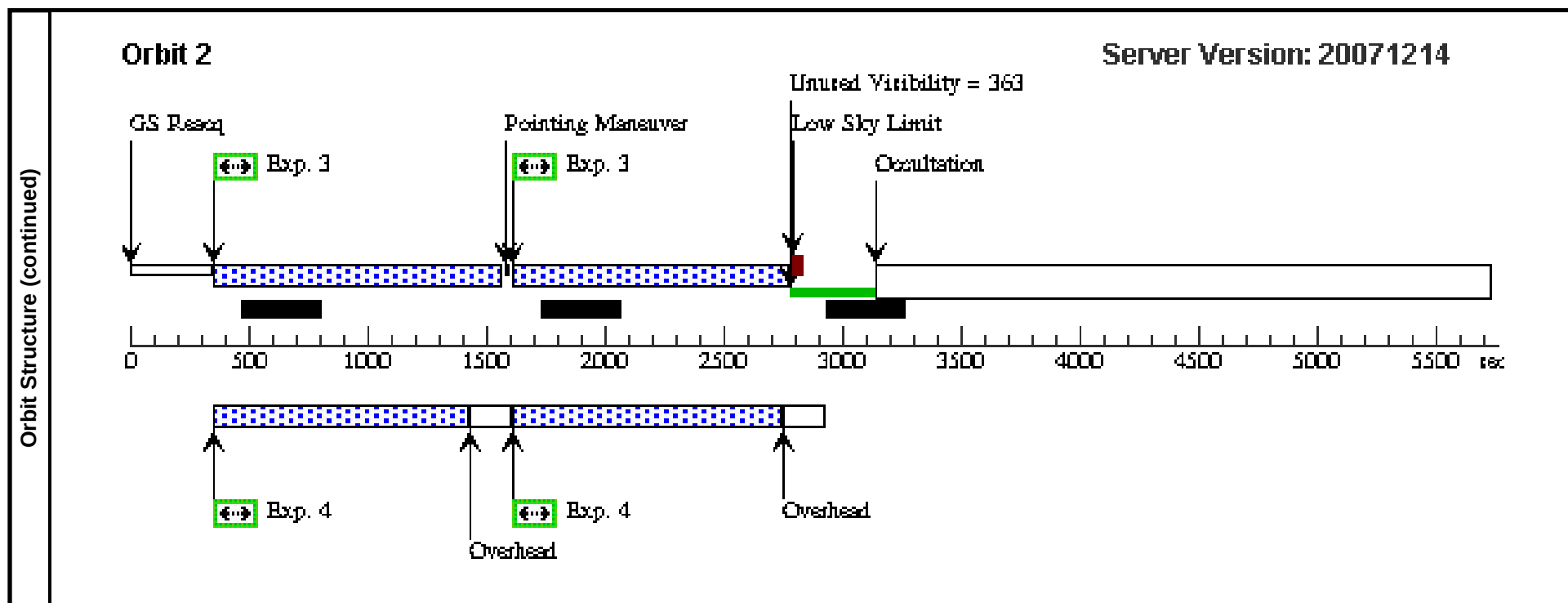




Proposal 10889 - Visit 3F - The Nature of the Halos and Thick Disks of Spiral Galaxies

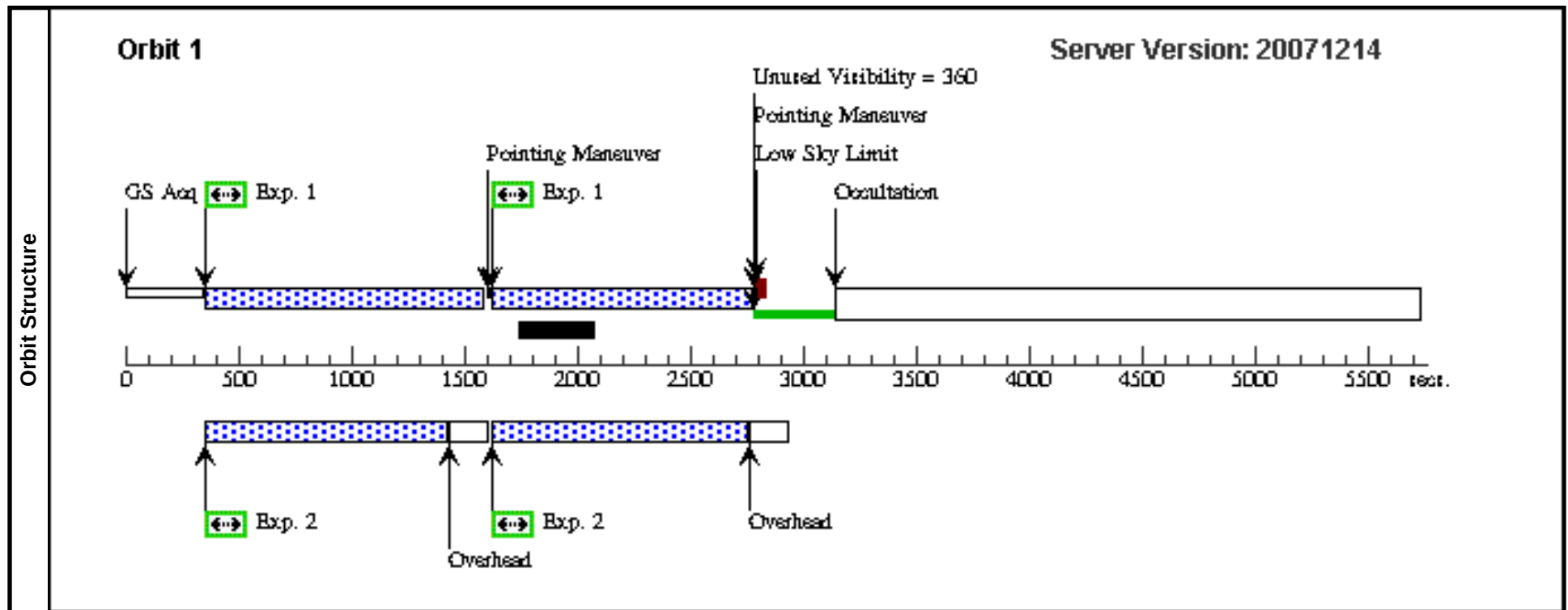
Visit	Proposal 10889, Visit 3F, completed										Thu Jan 17 20:26:55 GMT 2008
	Diagnostic Status: Warning										
	Scientific Instruments: ACS/WFC, WFPC2										
	Special Requirements: SAME ORIENT AS 33										
	Comments: 2nd 2-point dither of 7 dither steps for NGC4565 POS3 POSTARG for subdither of this field										
Diagnostics	(Primary Exposure 1 (Prime + Parallel Group 1-2) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes										
	(Primary Exposure 3 (Prime + Parallel Group 3-4) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.3525 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=299.38 Angle Between Sides= Center Pattern=true						(1-2), (3-4)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(33)	NGC4565-HALO-3	RA: 12 36 25.6560 (189.1069000d) Dec: +26 00 58.09 (26.01614d) Equinox: J2000				V=9.74+/-0.49		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the NED database.										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(33) NGC4565-HAL O-3	ACS/WFC, ACCUM, WFC-FIX	F814W	CR-SPLIT=NO	POS TARG -0.325,-0.125; LOW-SKY	Pattern 1-2 (1) Prime + Parallel Gro up 1-2	1028.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]		[1]
	2		ANY	WFPC2, IMAGE, WF3	F606W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Gro up 1-2	900.0 Secs [==>(Pattern 1)] [==>1000.0 Secs (Pattern 2)]		[1]
	3		(33) NGC4565-HAL O-3	ACS/WFC, ACCUM, WFC-FIX	F606W	CR-SPLIT=NO	POS TARG -0.325,-0.125; LOW-SKY	Pattern 3-4 (1) Prime + Parallel Gro up 3-4	1035.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]		[2]
	4		ANY	WFPC2, IMAGE, WF3	F606W	CR-SPLIT=NO		Pattern 3-4 (1) Prime + Parallel Gro up 3-4	900.0 Secs [==>(Pattern 1)] [==>1000.0 Secs (Pattern 2)]		[2]

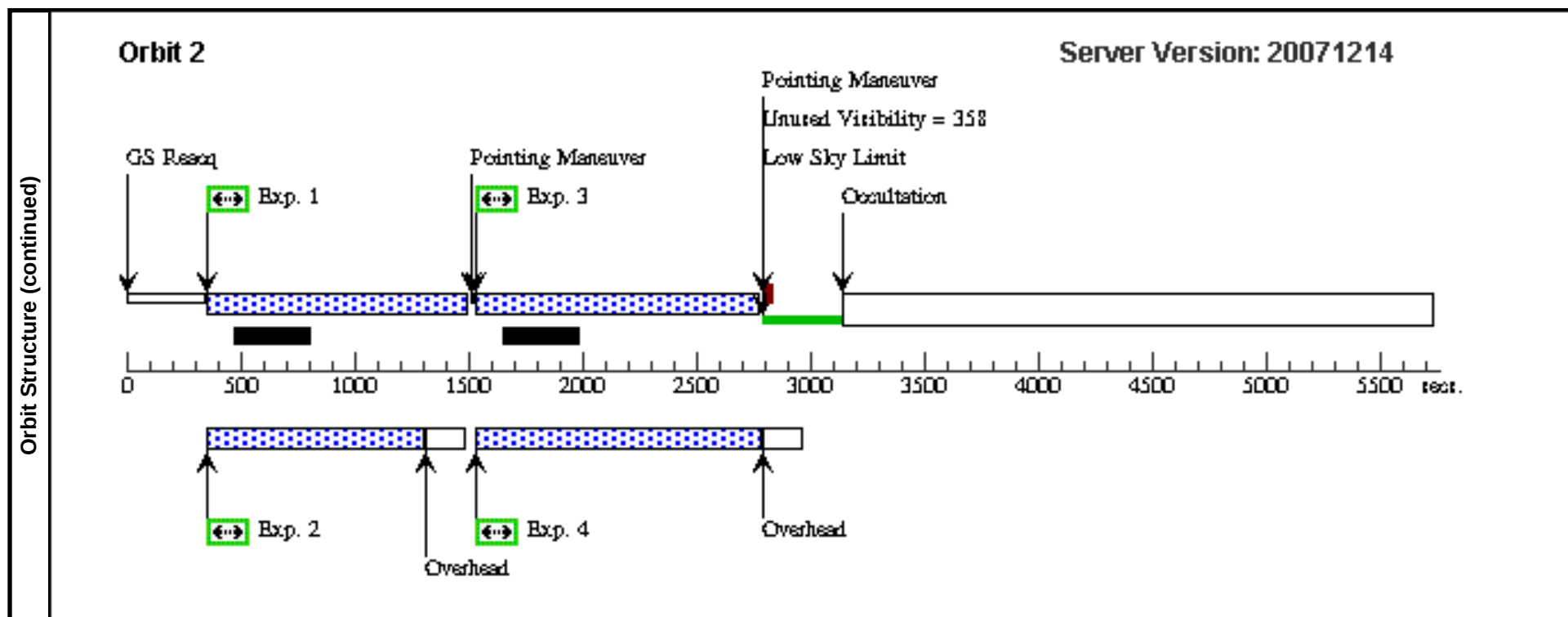


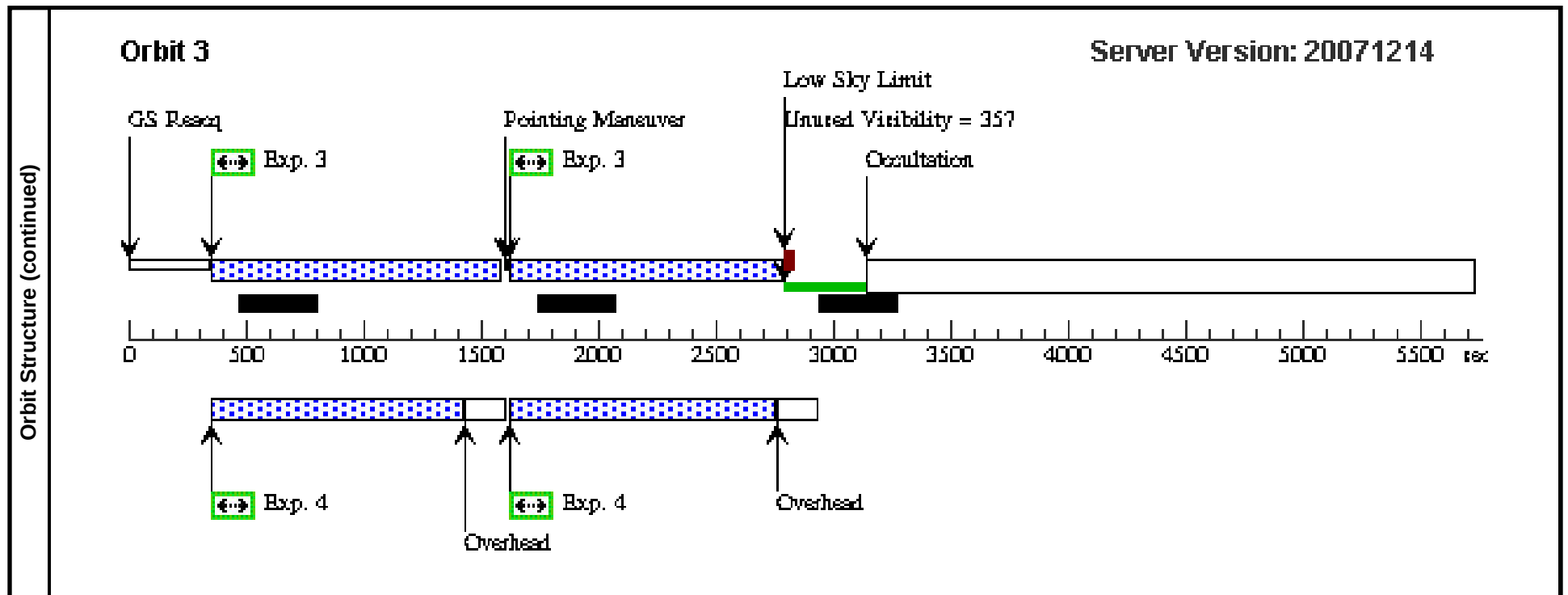


Proposal 10889 - Visit 34 - The Nature of the Halos and Thick Disks of Spiral Galaxies

Visit	Proposal 10889, Visit 34, completed										Thu Jan 17 20:26:56 GMT 2008
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: ACS/WFC, WFPC2										
	Special Requirements: (none)										
	Comments: 3-point dither of 7 dither steps for NGC4565 POS4										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(2)	Pattern Type=LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.21949 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.382 Angle Between Sides= Center Pattern=true						(1-2), (3-4)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(34)	NGC4565-HALO-4	RA: 12 36 40.8784 (189.1703267d) Dec: +26 04 12.35 (26.07010d) Equinox: J2000				V=9.74+/-0.49		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the NED database.										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(34) NGC4565-HAL O-4	ACS/WFC, ACCUM, WFC-FIX	F814W	CR-SPLIT=NO	LOW-SKY	Pattern 1-2 (2) Prime + Parallel Gro up 1-2	1030.0 Secs		
									[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
	[==>1020.0 Secs (Pattern 3)]		[2]								
	2	ANY	WFPC2, IMAGE, WF3	F606W	CR-SPLIT=NO		Pattern 1-2 (2) Prime + Parallel Gro up 1-2	900.0 Secs			
								[==>(Pattern 1)]		[1]	
								[==>1000.0 Secs (Pattern 2)]			
	[==>800.0 Secs (Pattern 3)]		[2]								
	3	(34) NGC4565-HAL O-4	ACS/WFC, ACCUM, WFC-FIX	F606W	CR-SPLIT=NO	LOW-SKY	Pattern 3-4 (2) Prime + Parallel Gro up 3-4	1070.0 Secs			
								[==>1065.0 Secs (Pattern 1)]		[2]	
								[==>1110.0 Secs (Pattern 2)]			
								[==>1035.0 Secs (Pattern 3)]		[3]	
4	ANY	WFPC2, IMAGE, WF3	F606W	CR-SPLIT=NO		Pattern 3-4 (2) Prime + Parallel Gro up 3-4	900.0 Secs				
							[==>1100.0 Secs (Pattern 1)]		[2]		
							[==>(Pattern 2)]				
							[==>1000.0 Secs (Pattern 3)]		[3]		

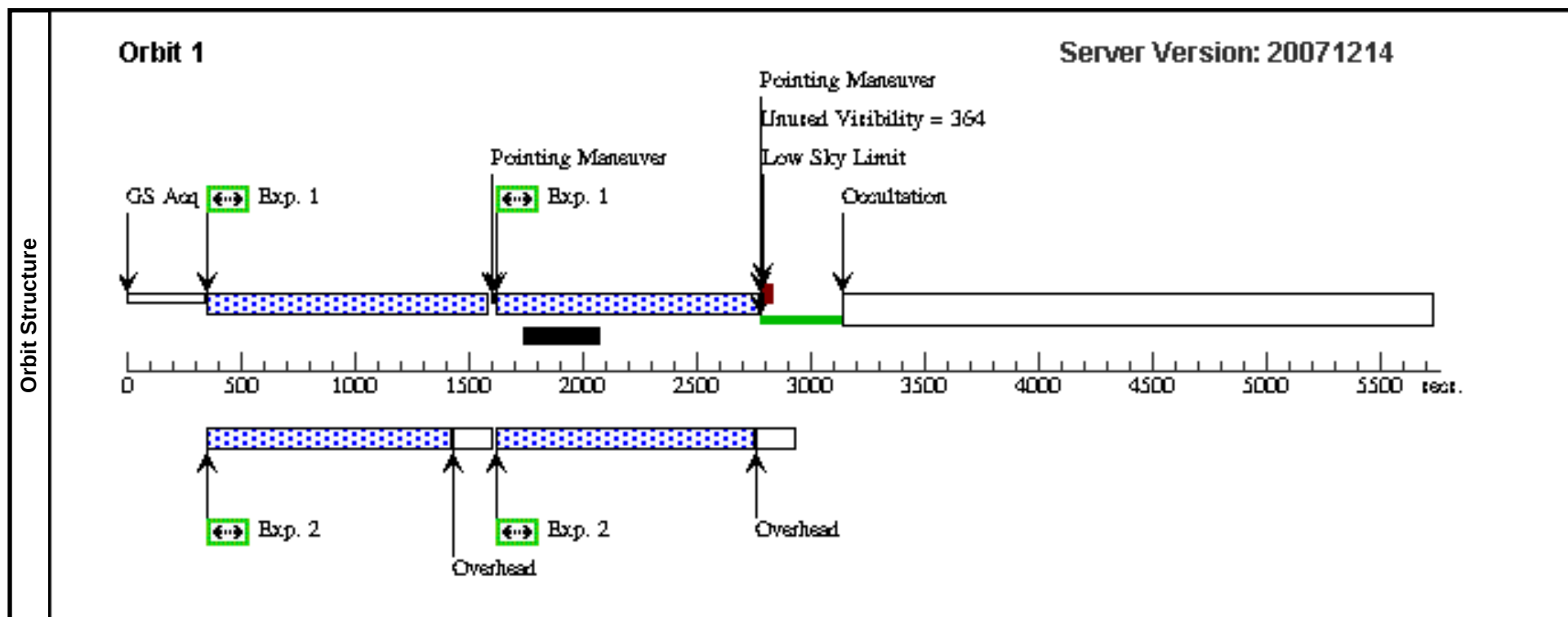


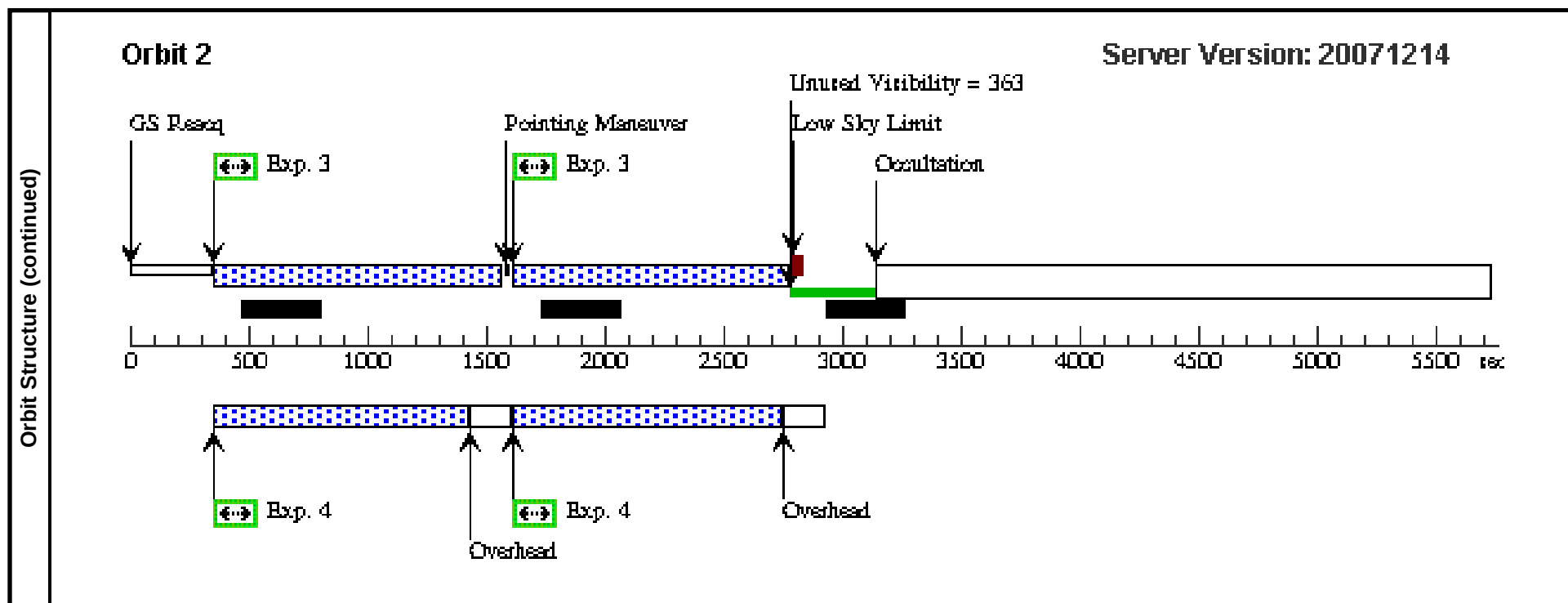




Proposal 10889 - Visit 3G - The Nature of the Halos and Thick Disks of Spiral Galaxies

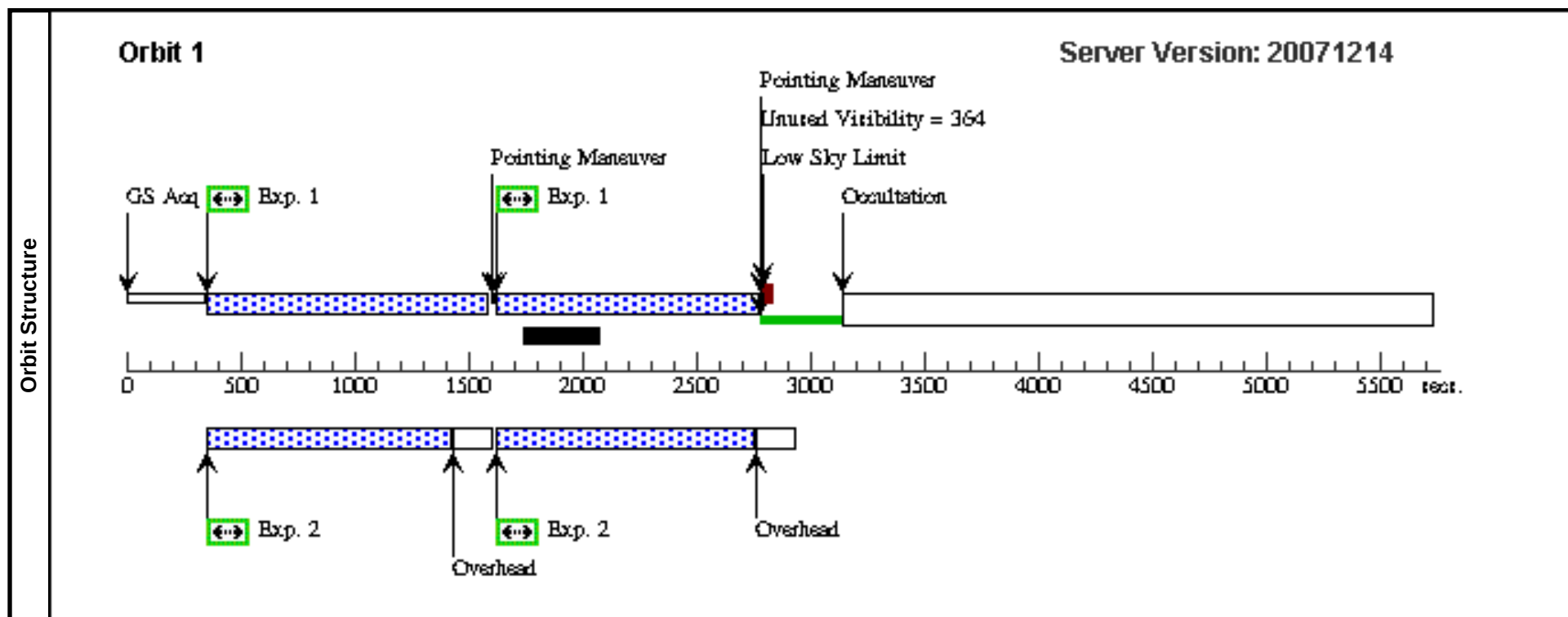
Visit	Proposal 10889, Visit 3G, completed					Thu Jan 17 20:26:56 GMT 2008					
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: ACS/WFC, WFPC2										
	Special Requirements: SAME ORIENT AS 34										
	Comments: 1st 2-point dither of 7 dither steps for NGC4565 POS4										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.3525 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=299.38 Angle Between Sides= Center Pattern=true						(1-2), (3-4)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(34)	NGC4565-HALO-4	RA: 12 36 40.8784 (189.1703267d) Dec: +26 04 12.35 (26.07010d) Equinox: J2000				V=9.74+/-0.49		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the NED database.										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(34) NGC4565-HAL O-4	ACS/WFC, ACCUM, WFC-FIX	F814W	CR-SPLIT=NO	LOW-SKY	Pattern 1-2 (1) Prime + Parallel Gro up 1-2	1028.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]		[1]
	2		ANY	WFPC2, IMAGE, WF3	F606W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Gro up 1-2	900.0 Secs [==>(Pattern 1)] [==>1000.0 Secs (Pattern 2)]		[1]
	3		(34) NGC4565-HAL O-4	ACS/WFC, ACCUM, WFC-FIX	F606W	CR-SPLIT=NO	LOW-SKY	Pattern 3-4 (1) Prime + Parallel Gro up 3-4	1035.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]		[2]
	4		ANY	WFPC2, IMAGE, WF3	F606W	CR-SPLIT=NO		Pattern 3-4 (1) Prime + Parallel Gro up 3-4	900.0 Secs [==>(Pattern 1)] [==>1000.0 Secs (Pattern 2)]		[2]

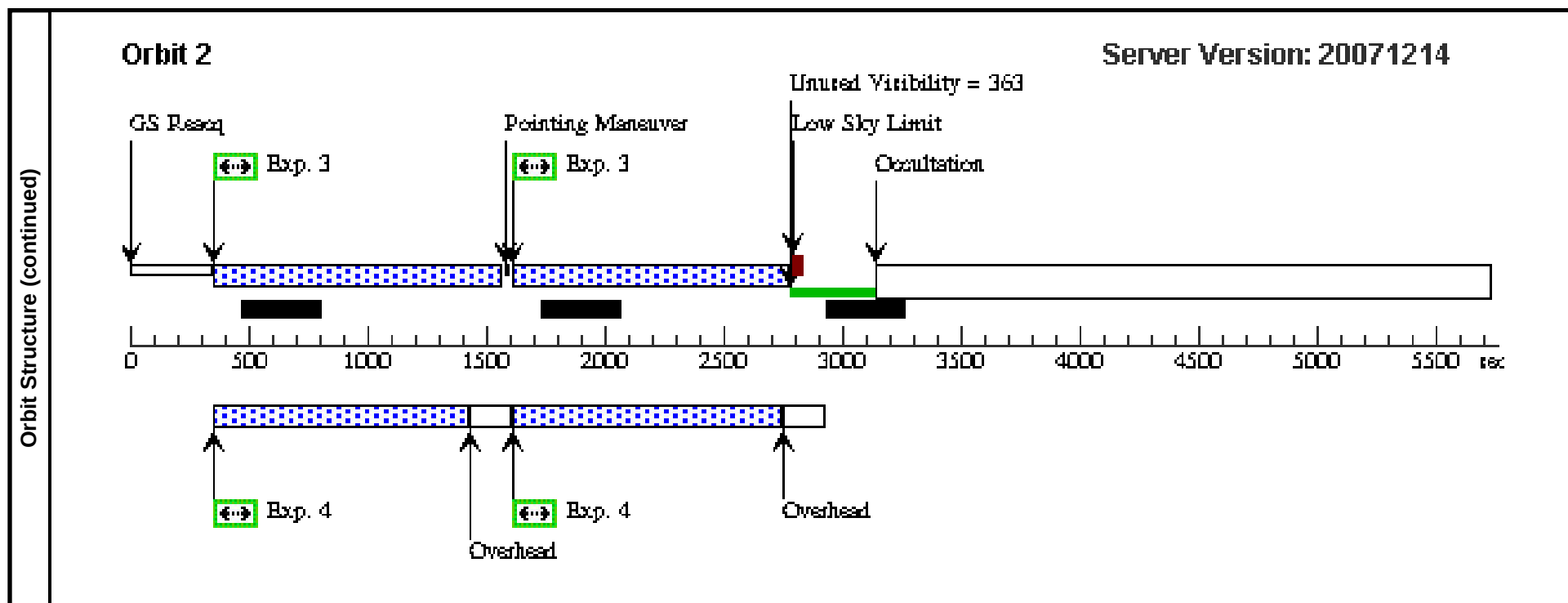




Proposal 10889 - Visit 3H - The Nature of the Halos and Thick Disks of Spiral Galaxies

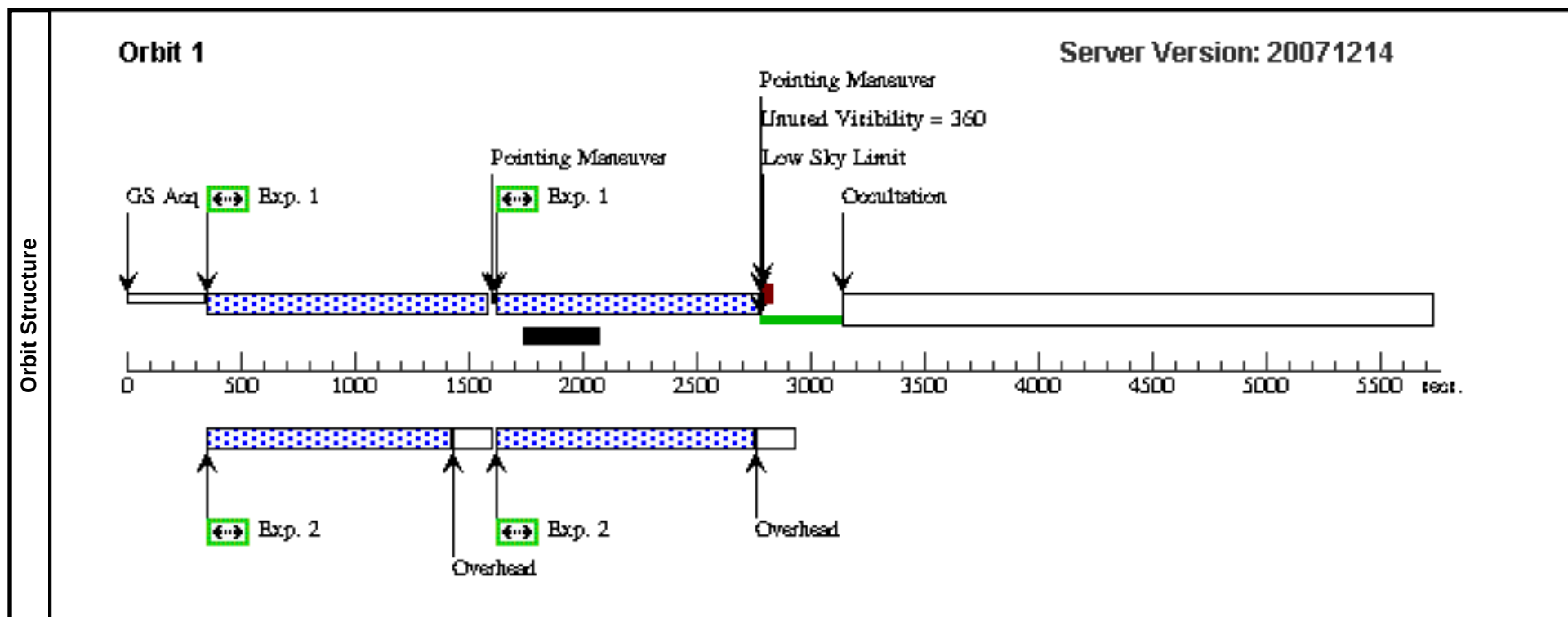
Visit	Proposal 10889, Visit 3H, completed										Thu Jan 17 20:26:57 GMT 2008
	Diagnostic Status: Warning										
	Scientific Instruments: ACS/WFC, WFPC2										
	Special Requirements: SAME ORIENT AS 34										
	Comments: 2nd 2-point dither of 7 dither steps for NGC4565 POS4 POSTARG for subdither of this field										
Diagnostics	(Primary Exposure 1 (Prime + Parallel Group 1-2) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes										
	(Primary Exposure 3 (Prime + Parallel Group 3-4) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.3525 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=299.38 Angle Between Sides= Center Pattern=true						(1-2), (3-4)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(34)	NGC4565-HALO-4	RA: 12 36 40.8784 (189.1703267d) Dec: +26 04 12.35 (26.07010d) Equinox: J2000				V=9.74+/-0.49		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the NED database.										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(34) NGC4565-HAL O-4	ACS/WFC, ACCUM, WFC-FIX	F814W	CR-SPLIT=NO	POS TARG -0.325,-0.125; LOW-SKY	Pattern 1-2 (1) Prime + Parallel Gro up 1-2	1028.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]		[1]
	2		ANY	WFPC2, IMAGE, WF3	F606W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Gro up 1-2	900.0 Secs [==>(Pattern 1)] [==>1000.0 Secs (Pattern 2)]		[1]
	3		(34) NGC4565-HAL O-4	ACS/WFC, ACCUM, WFC-FIX	F606W	CR-SPLIT=NO	POS TARG -0.325,-0.125; LOW-SKY	Pattern 3-4 (1) Prime + Parallel Gro up 3-4	1035.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]		[2]
	4		ANY	WFPC2, IMAGE, WF3	F606W	CR-SPLIT=NO		Pattern 3-4 (1) Prime + Parallel Gro up 3-4	900.0 Secs [==>(Pattern 1)] [==>1000.0 Secs (Pattern 2)]		[2]

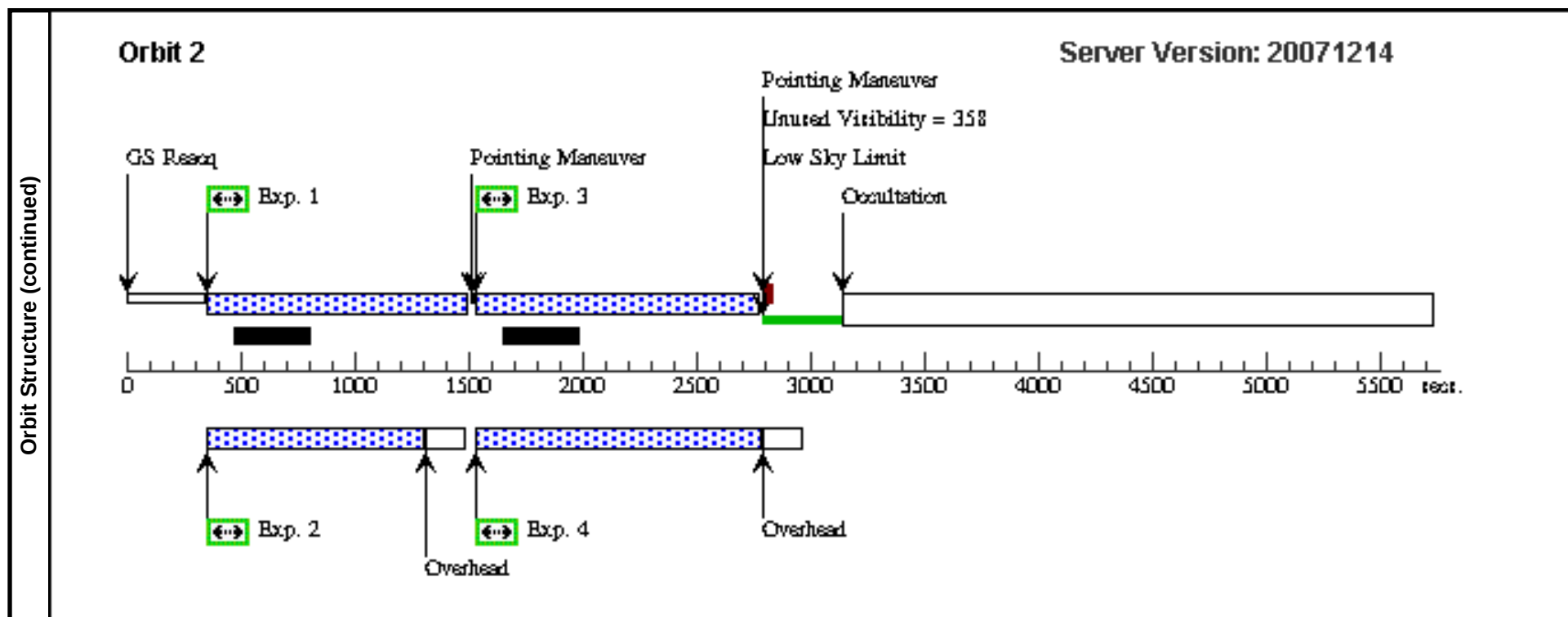


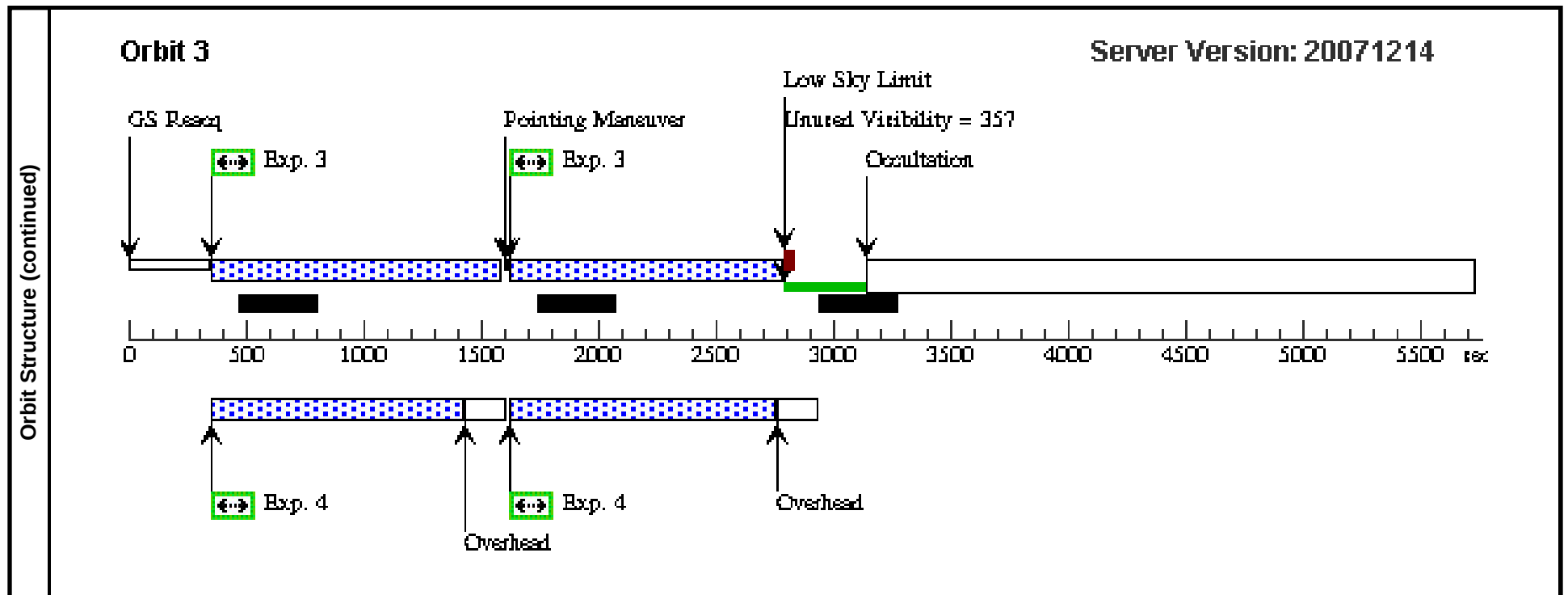


Proposal 10889 - Visit 35 - The Nature of the Halos and Thick Disks of Spiral Galaxies

Visit	Proposal 10889, Visit 35, completed										Thu Jan 17 20:26:57 GMT 2008
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: ACS/WFC, WFPC2										
	Special Requirements: (none)										
	Comments: 3-point dither of 7 dither steps for NGC4565 POS5										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(2)	Pattern Type=LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.21949 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.382 Angle Between Sides= Center Pattern=true						(1-2), (3-4)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(35)	NGC4565-HALO-5	RA: 12 36 35.9854 (189.1499392d) Dec: +25 58 14.82 (25.97078d) Equinox: J2000				V=9.74+/-0.49		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the NED database.										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(35) NGC4565-HAL O-5	ACS/WFC, ACCUM, WFCENTER	F814W	CR-SPLIT=NO	LOW-SKY	Pattern 1-2 (2) Prime + Parallel Group 1-2	1030.0 Secs		
									[==>(Pattern 1)]	[1]	
									[==>(Pattern 2)]		
	2	ANY	WFPC2, IMAGE, WF3	F606W	CR-SPLIT=NO		Pattern 1-2 (2) Prime + Parallel Group 1-2	[==>1020.0 Secs (Pattern 3)]	[2]		
								900.0 Secs			
								[==>(Pattern 1)]	[1]		
	3	(35) NGC4565-HAL O-5	ACS/WFC, ACCUM, WFCENTER	F606W	CR-SPLIT=NO	LOW-SKY	Pattern 3-4 (2) Prime + Parallel Group 3-4	[==>1000.0 Secs (Pattern 2)]			
								[==>800.0 Secs (Pattern 3)]	[2]		
								1070.0 Secs			
	4	ANY	WFPC2, IMAGE, WF3	F606W	CR-SPLIT=NO		Pattern 3-4 (2) Prime + Parallel Group 3-4	[==>1065.0 Secs (Pattern 1)]	[2]		
								[==>1110.0 Secs (Pattern 2)]	[3]		
								[==>1035.0 Secs (Pattern 3)]			
900.0 Secs											
							Pattern 3-4 (2) Prime + Parallel Group 3-4	[==>1100.0 Secs (Pattern 1)]	[2]		
								[==>(Pattern 2)]			
								[==>1000.0 Secs (Pattern 3)]	[3]		

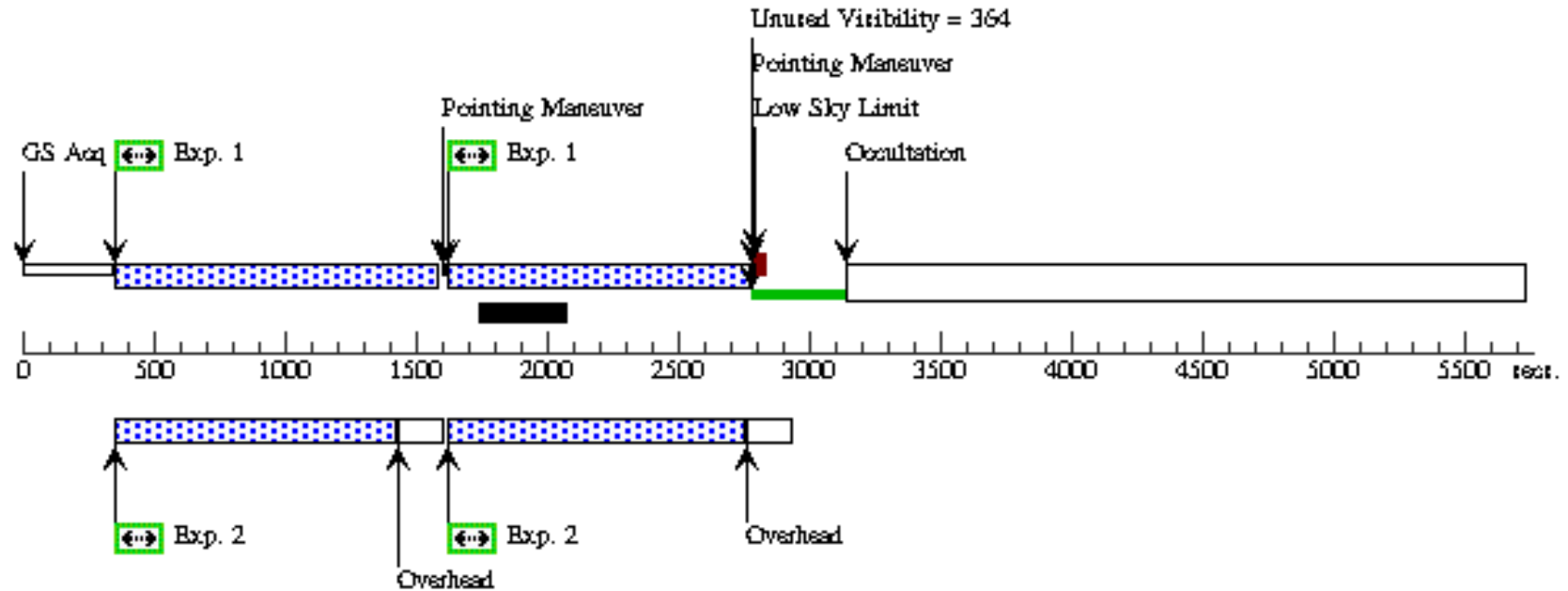


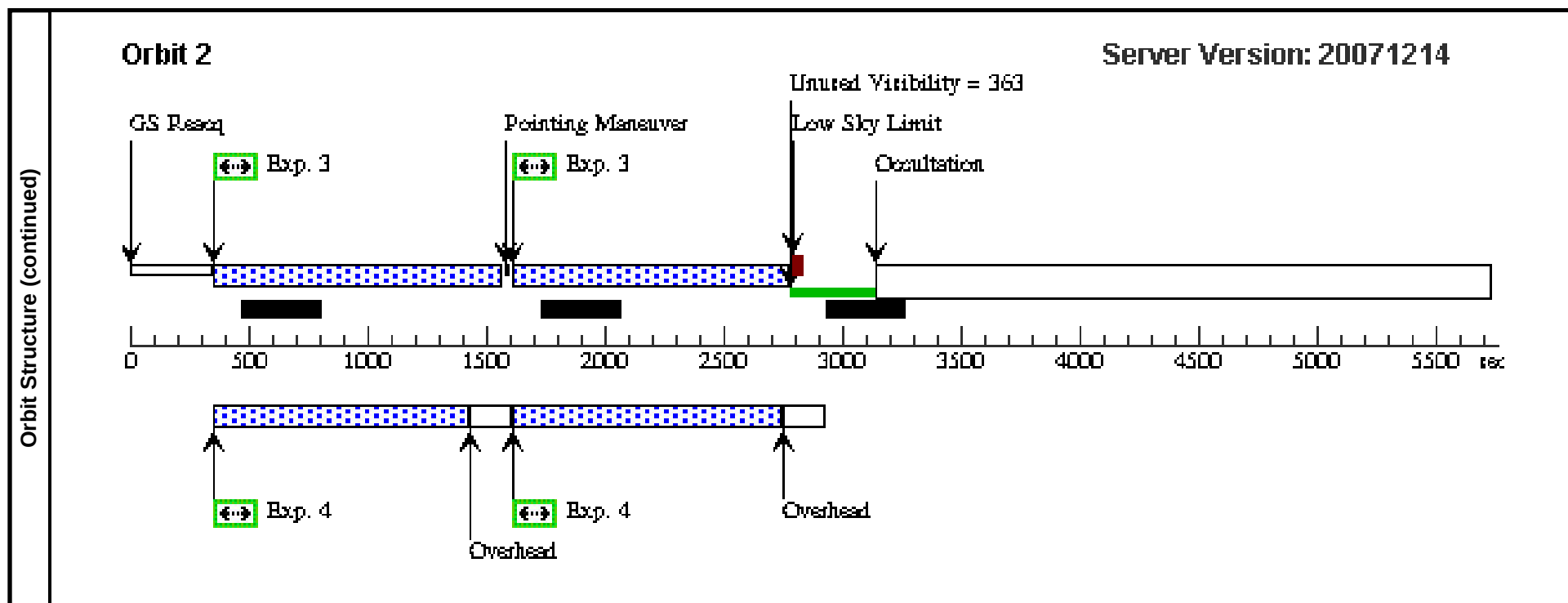




Proposal 10889 - Visit 3I - The Nature of the Halos and Thick Disks of Spiral Galaxies

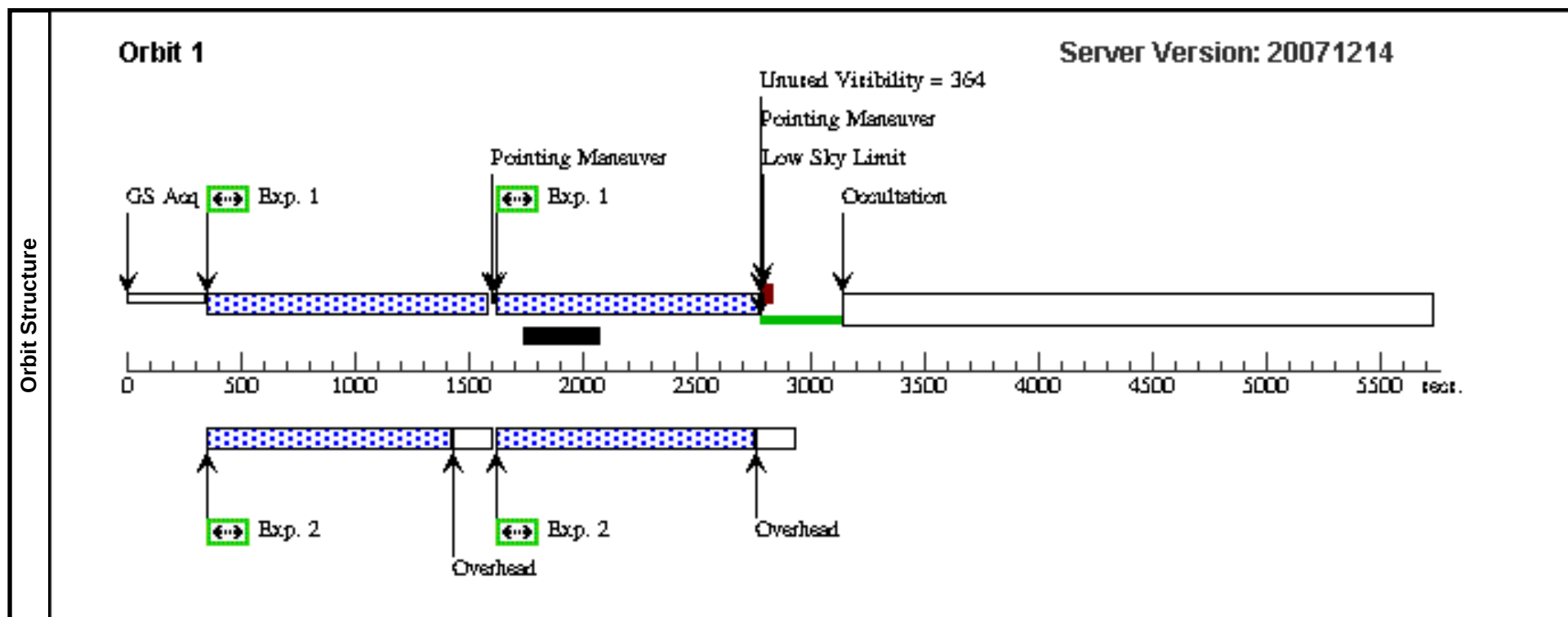
Visit	Proposal 10889, Visit 3I, completed				Thu Jan 17 20:26:58 GMT 2008					
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: ACS/WFC, WFPC2									
	Special Requirements: SAME ORIENT AS 35									
	Comments: 1st 2-point dither of 7 dither steps for NGC4565 POS5									
Patterns	#	Primary Pattern			Secondary Pattern			Exposures		
	(1)	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.3525 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=299.38 Angle Between Sides= Center Pattern=true					(1-2), (3-4)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(35)	NGC4565-HALO-5	RA: 12 36 35.9854 (189.1499392d) Dec: +25 58 14.82 (25.97078d) Equinox: J2000		V=9.74+/-0.49	Reference Frame: ICRS				
	Comments: This object was generated by the targetselector and retrieved from the NED database.									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(35) NGC4565-HAL O-5	ACS/WFC, ACCUM, WFCENTER	F814W	CR-SPLIT=NO	LOW-SKY	Pattern 1-2 (1) Prime + Parallel Gro up 1-2	1028.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		ANY	WFPC2, IMAGE, WF3	F606W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Gro up 1-2	900.0 Secs [==>(Pattern 1)] [==>1000.0 Secs (Pattern 2)]	[1]
	3		(35) NGC4565-HAL O-5	ACS/WFC, ACCUM, WFCENTER	F606W	CR-SPLIT=NO	LOW-SKY	Pattern 3-4 (1) Prime + Parallel Gro up 3-4	1035.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[2]
	4		ANY	WFPC2, IMAGE, WF3	F606W	CR-SPLIT=NO		Pattern 3-4 (1) Prime + Parallel Gro up 3-4	900.0 Secs [==>(Pattern 1)] [==>1000.0 Secs (Pattern 2)]	[2]

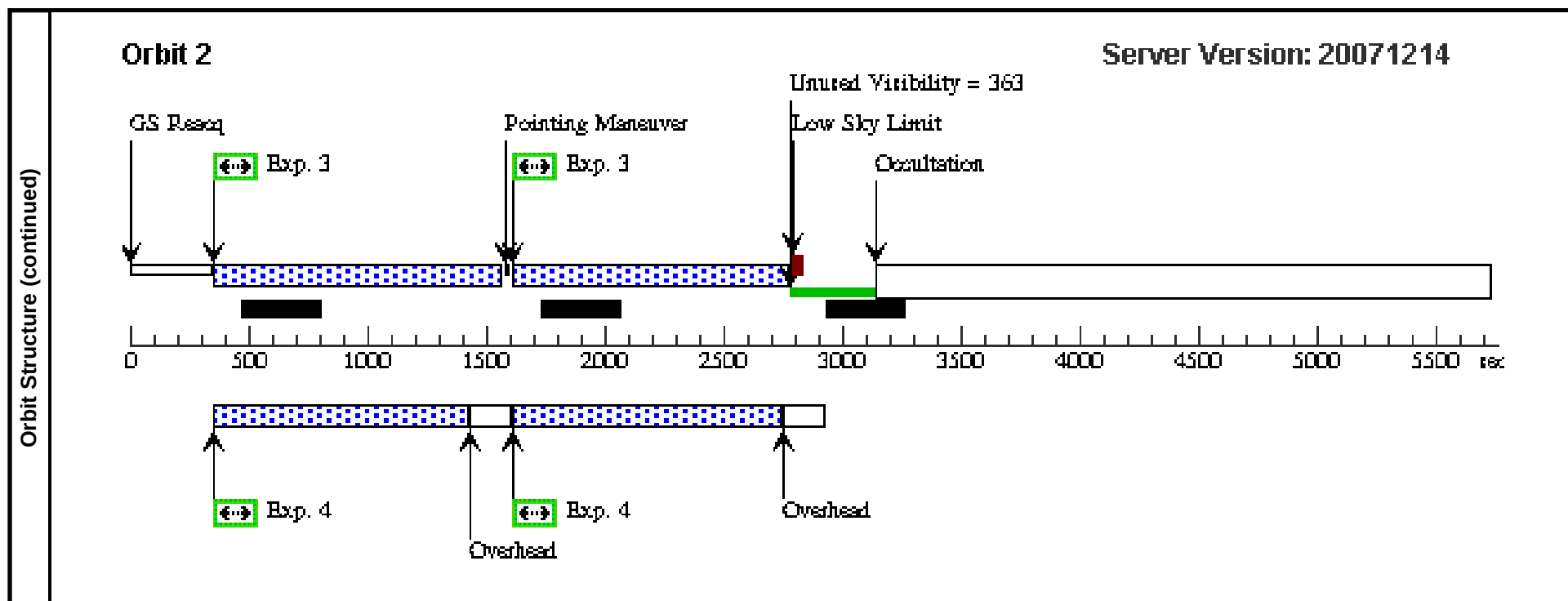




Proposal 10889 - Visit 3J - The Nature of the Halos and Thick Disks of Spiral Galaxies

Visit	Proposal 10889, Visit 3J, completed										Thu Jan 17 20:26:58 GMT 2008
	Diagnostic Status: Warning										
	Scientific Instruments: ACS/WFC, WFPC2										
	Special Requirements: SAME ORIENT AS 35										
	Comments: 2nd 2-point dither of 7 dither steps for NGC4565 POSS POSTARG for subdither of this field										
Diagnostics	(Primary Exposure 1 (Prime + Parallel Group 1-2) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes										
	(Primary Exposure 3 (Prime + Parallel Group 3-4) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.3525 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=299.38 Angle Between Sides= Center Pattern=true						(1-2), (3-4)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(35)	NGC4565-HALO-5	RA: 12 36 35.9854 (189.1499392d) Dec: +25 58 14.82 (25.97078d) Equinox: J2000				V=9.74+/-0.49		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the NED database.										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(35) NGC4565-HAL O-5	ACS/WFC, ACCUM, WFCENTER	F814W	CR-SPLIT=NO	POS TARG -0.325,-0.125; LOW-SKY	Pattern 1-2 (1) Prime + Parallel Group 1-2	1028.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]		[1]
	2		ANY	WFPC2, IMAGE, WF3	F606W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Group 1-2	900.0 Secs [==>(Pattern 1)] [==>1000.0 Secs (Pattern 2)]		[1]
	3		(35) NGC4565-HAL O-5	ACS/WFC, ACCUM, WFCENTER	F606W	CR-SPLIT=NO	POS TARG -0.325,-0.125; LOW-SKY	Pattern 3-4 (1) Prime + Parallel Group 3-4	1035.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]		[2]
	4		ANY	WFPC2, IMAGE, WF3	F606W	CR-SPLIT=NO		Pattern 3-4 (1) Prime + Parallel Group 3-4	900.0 Secs [==>(Pattern 1)] [==>1000.0 Secs (Pattern 2)]		[2]

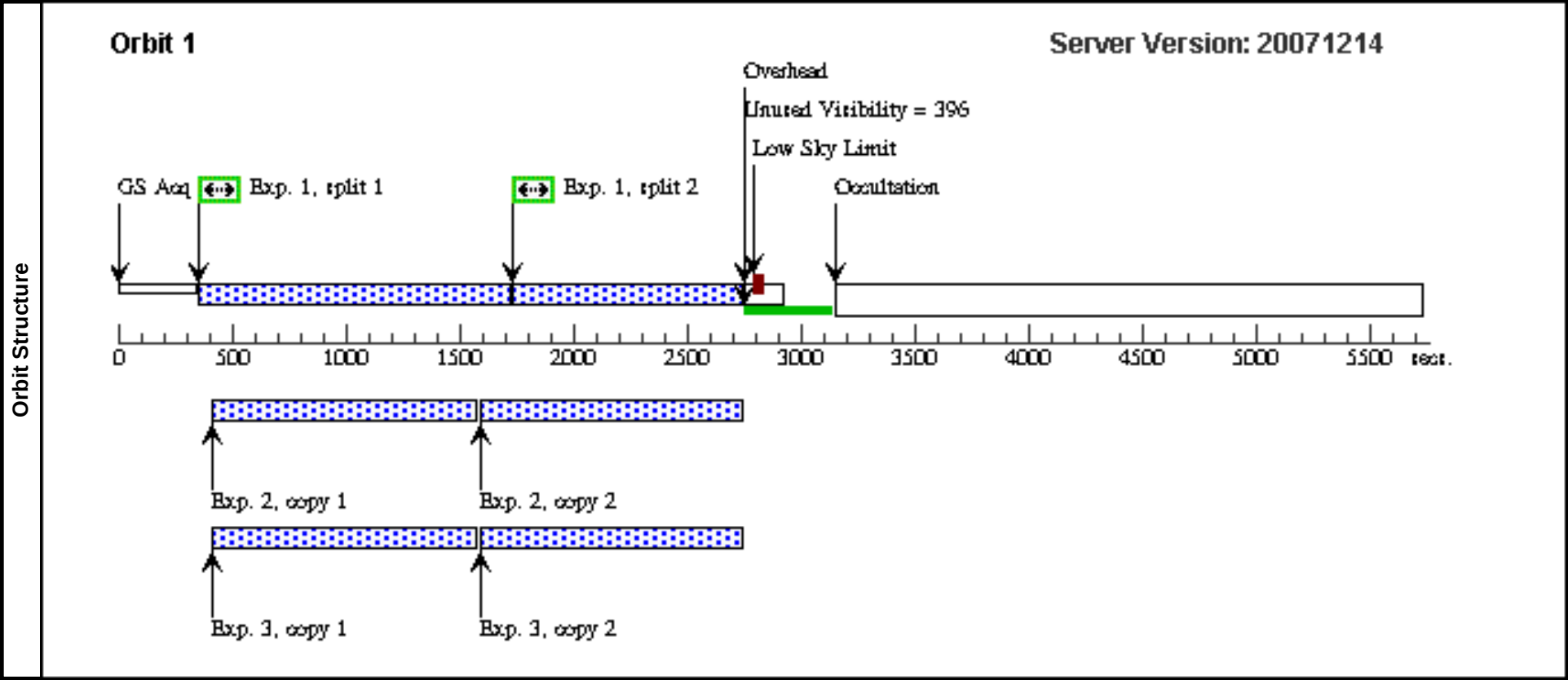


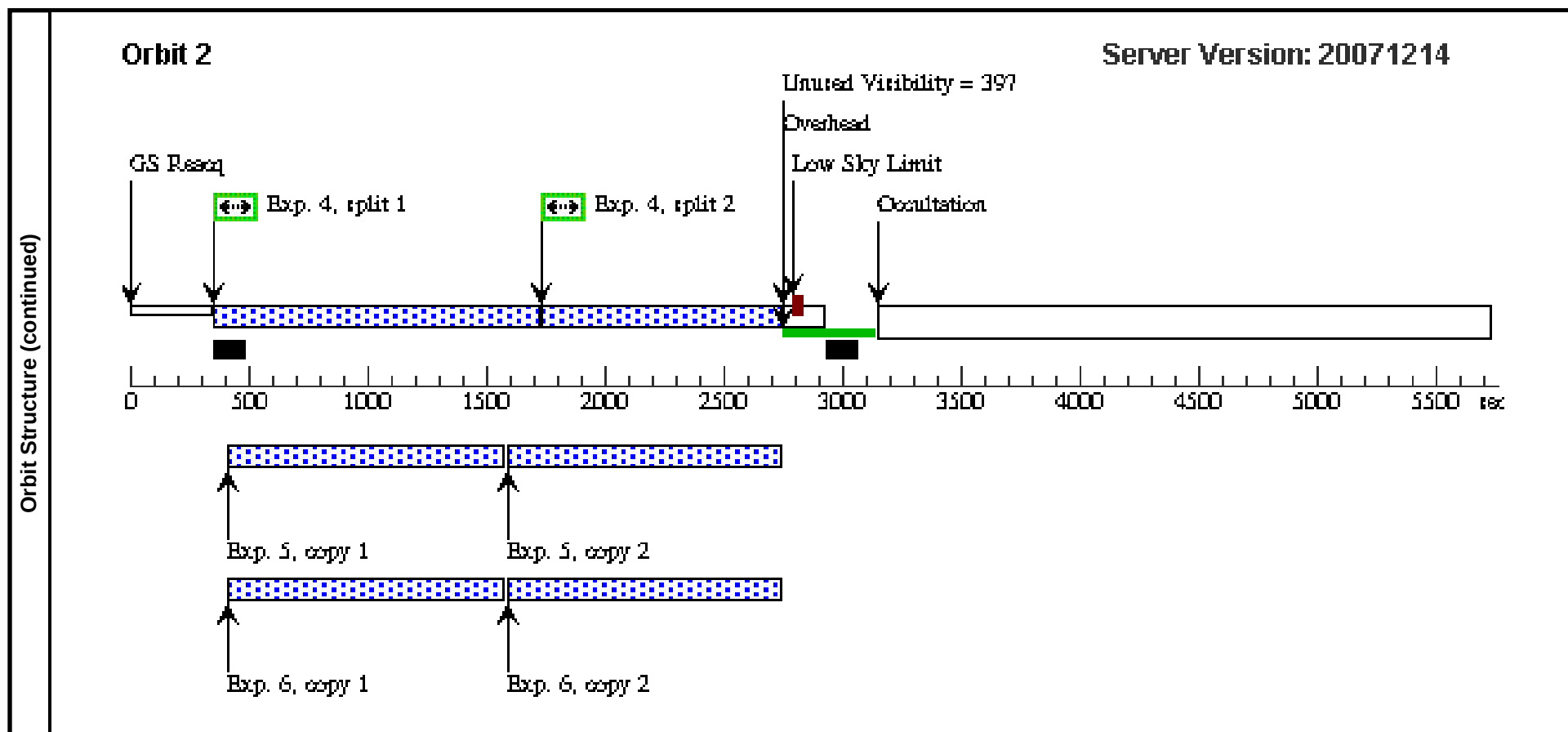


Proposal 10889 - Visit 41 - The Nature of the Halos and Thick Disks of Spiral Galaxies

Visit	Proposal 10889, Visit 41, implementation										Thu Jan 17 20:26:58 GMT 2008
	Diagnostic Status: Warning										
	Scientific Instruments: NIC2, WFPC2, NIC1										
	Special Requirements: ORIENT 300.0D TO 316.0 D										
	Comments: NGC4631 POS1 POSTARG dither 1, F606W in orbit 1, F814W in orbit 2 POSTARG sets obs rotation point at NICMOS, ORIENT determines WFPC2 position										
Diagnostics	(Visit 41) Warning (OP): POS TARG OUTSIDE OF APERTURE										
	(Visit 41) Warning (OP): POS TARG OUTSIDE OF APERTURE										
	(Prime + Parallel Group 1-3) Warning (Form): Only Primary NIC exposure in a Parallel group should specify CAMERA-FOCUS Optional Parameter.										
	(Prime + Parallel Group 4-6) Warning (Form): Only Primary NIC exposure in a Parallel group should specify CAMERA-FOCUS Optional Parameter.										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(41)	NGC4631-HALO-1	RA: 12 41 52.6800 (190.4695000d) Dec: +32 33 2.50 (32.55069d) Equinox: J2000				V=9.67+/-0.23		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(41) NGC4631-HAL O-1	WFPC2, IMAGE, WFALL	F606W	CR-SPLIT=DEF	POS TARG -443.75 945429689904,7.474 193475880518; LOW-SKY	Prime + Parallel Gro up 1-3	2000.0 Secs [==>1100.0 Secs (Split 1)] [==>(Split 2)]		[1]
	2		ANY	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=20; CAMERA-FOCUS =1-2		Prime + Parallel Gro up 1-3	[==>(Copy 1)] [==>(Copy 2)]		[1]
	3		ANY	NIC1, MULTIACCUM, NIC1-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=20; CAMERA-FOCUS =1-2		Prime + Parallel Gro up 1-3	[==>(Copy 1)] [==>(Copy 2)]		[1]
	4		(41) NGC4631-HAL O-1	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=DEF	SAME POS AS 1; LOW-SKY	Prime + Parallel Gro up 4-6	2000.0 Secs [==>1100.0 Secs (Split 1)] [==>(Split 2)]		[2]
	5		ANY	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=20; CAMERA-FOCUS =1-2		Prime + Parallel Gro up 4-6	[==>(Copy 1)] [==>(Copy 2)]		[2]

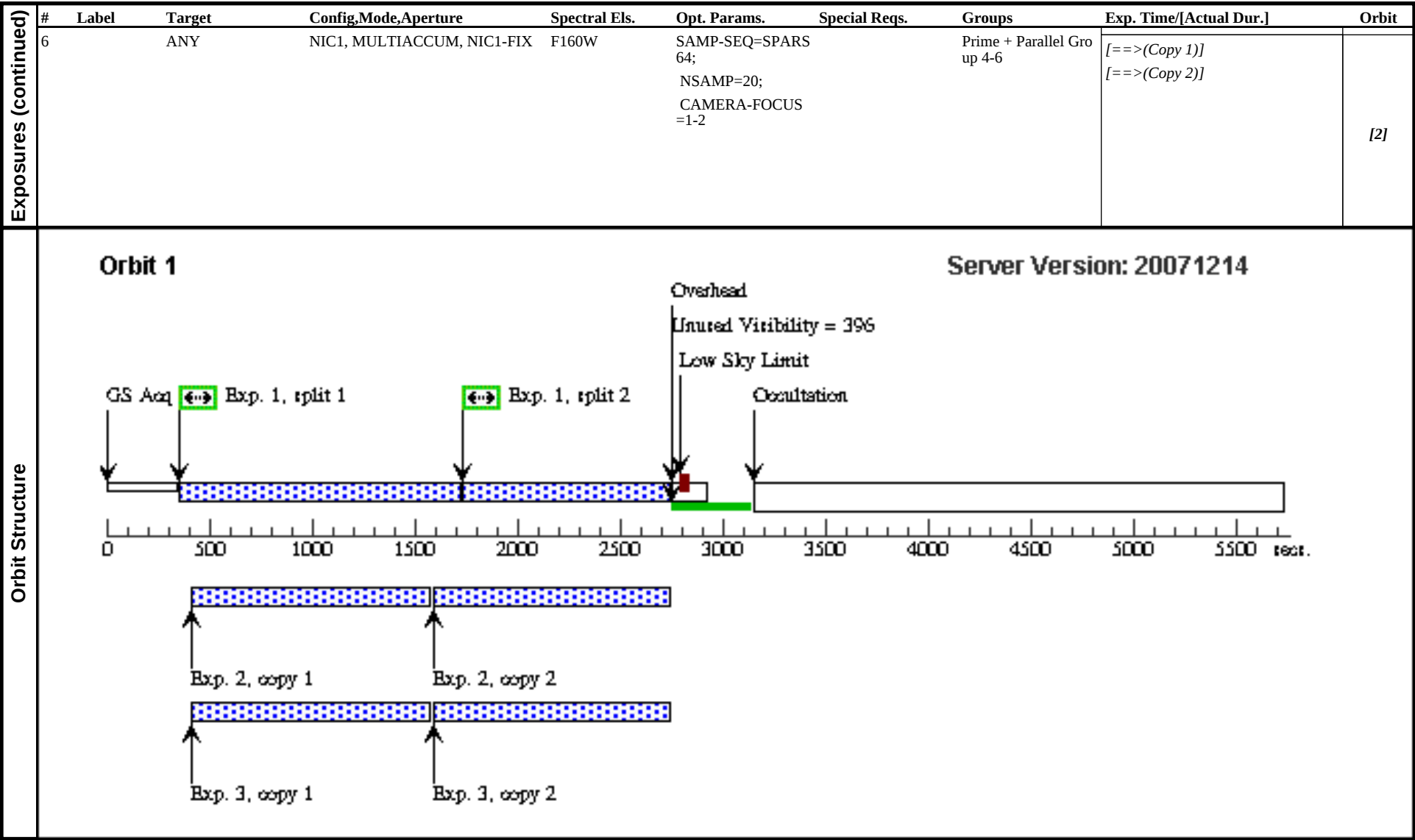
Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	6		ANY	NIC1, MULTIACCUM, NIC1-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=20; CAMERA-FOCUS =1-2		Prime + Parallel Group 4-6	[==>(Copy 1)] [==>(Copy 2)]	[2]

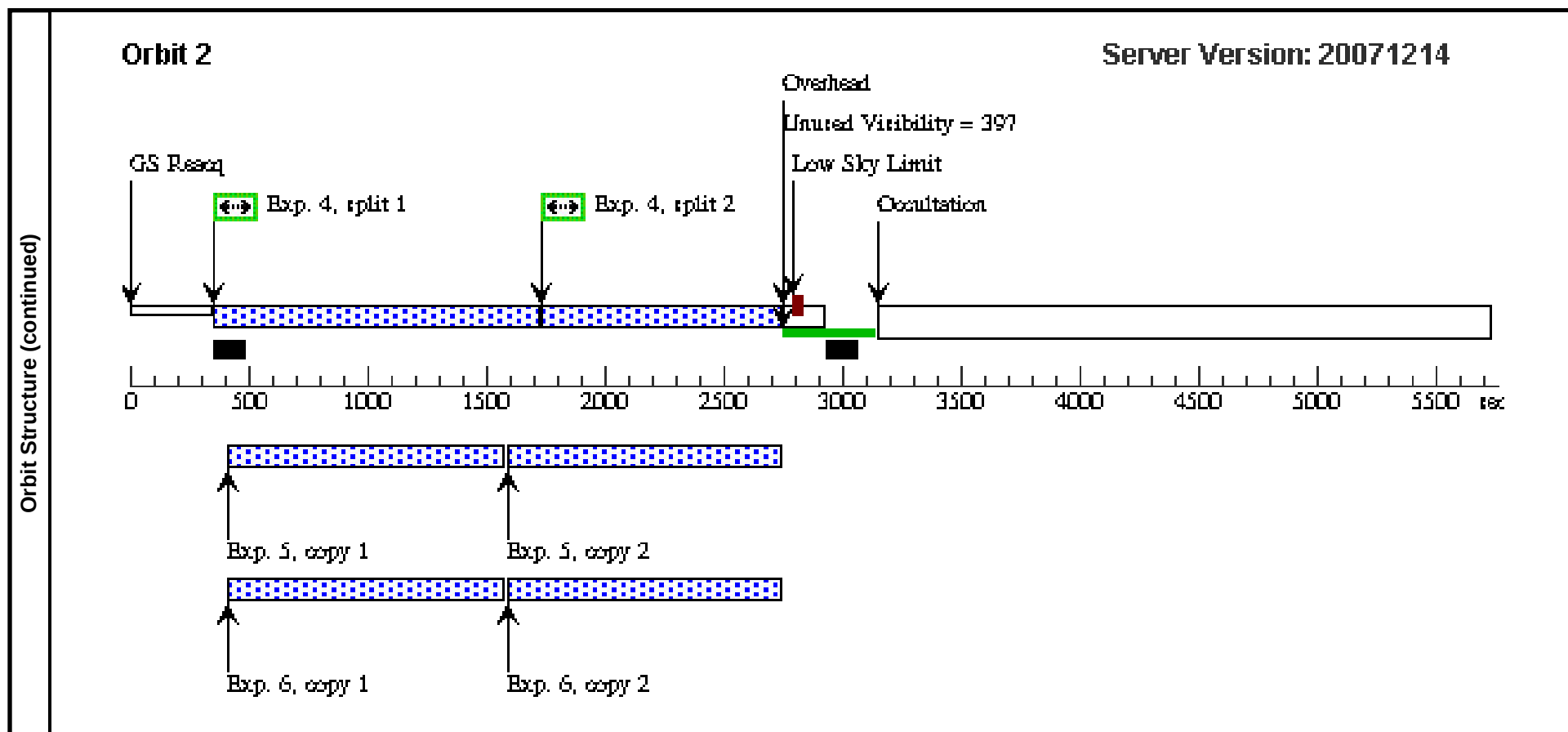




Proposal 10889 - Visit 4A - The Nature of the Halos and Thick Disks of Spiral Galaxies

Visit	Proposal 10889, Visit 4A, implementation										Thu Jan 17 20:26:59 GMT 2008
	Diagnostic Status: Warning										
	Scientific Instruments: NIC2, WFPC2, NIC1										
	Special Requirements: SAME ORIENT AS 41										
	Comments: NGC4631 POS1 POSTARG dither 2, F606W in orbit 1, F814W in orbit 2 POSTARG sets obs rotation point at NICMOS, ORIENT determines WFPC2 position										
Diagnostics	(Visit 4A) Warning (OP): POS TARG OUTSIDE OF APERTURE										
	(Visit 4A) Warning (OP): POS TARG OUTSIDE OF APERTURE										
	(Prime + Parallel Group 1-3) Warning (Form): Only Primary NIC exposure in a Parallel group should specify CAMERA-FOCUS Optional Parameter.										
	(Prime + Parallel Group 4-6) Warning (Form): Only Primary NIC exposure in a Parallel group should specify CAMERA-FOCUS Optional Parameter.										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(41)	NGC4631-HALO-1	RA: 12 41 52.6800 (190.4695000d) Dec: +32 33 2.50 (32.55069d) Equinox: J2000				V=9.67+/-0.23		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(41) NGC4631-HAL O-1	WFPC2, IMAGE, WFALL	F606W	CR-SPLIT=DEF	POS TARG -443.25 9454,7.72419300000 00005; LOW-SKY	Prime + Parallel Group 1-3	2000.0 Secs [==>1100.0 Secs (Split 1)] [==>(Split 2)]		[1]
	2		ANY	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=20; CAMERA-FOCUS =1-2		Prime + Parallel Group 1-3	[==>(Copy 1)] [==>(Copy 2)]		[1]
	3		ANY	NIC1, MULTIACCUM, NIC1-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=20; CAMERA-FOCUS =1-2		Prime + Parallel Group 1-3	[==>(Copy 1)] [==>(Copy 2)]		[1]
	4		(41) NGC4631-HAL O-1	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=DEF	SAME POS AS 1; LOW-SKY	Prime + Parallel Group 4-6	2000.0 Secs [==>1100.0 Secs (Split 1)] [==>(Split 2)]		[2]
	5		ANY	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=20; CAMERA-FOCUS =1-2		Prime + Parallel Group 4-6	[==>(Copy 1)] [==>(Copy 2)]		[2]

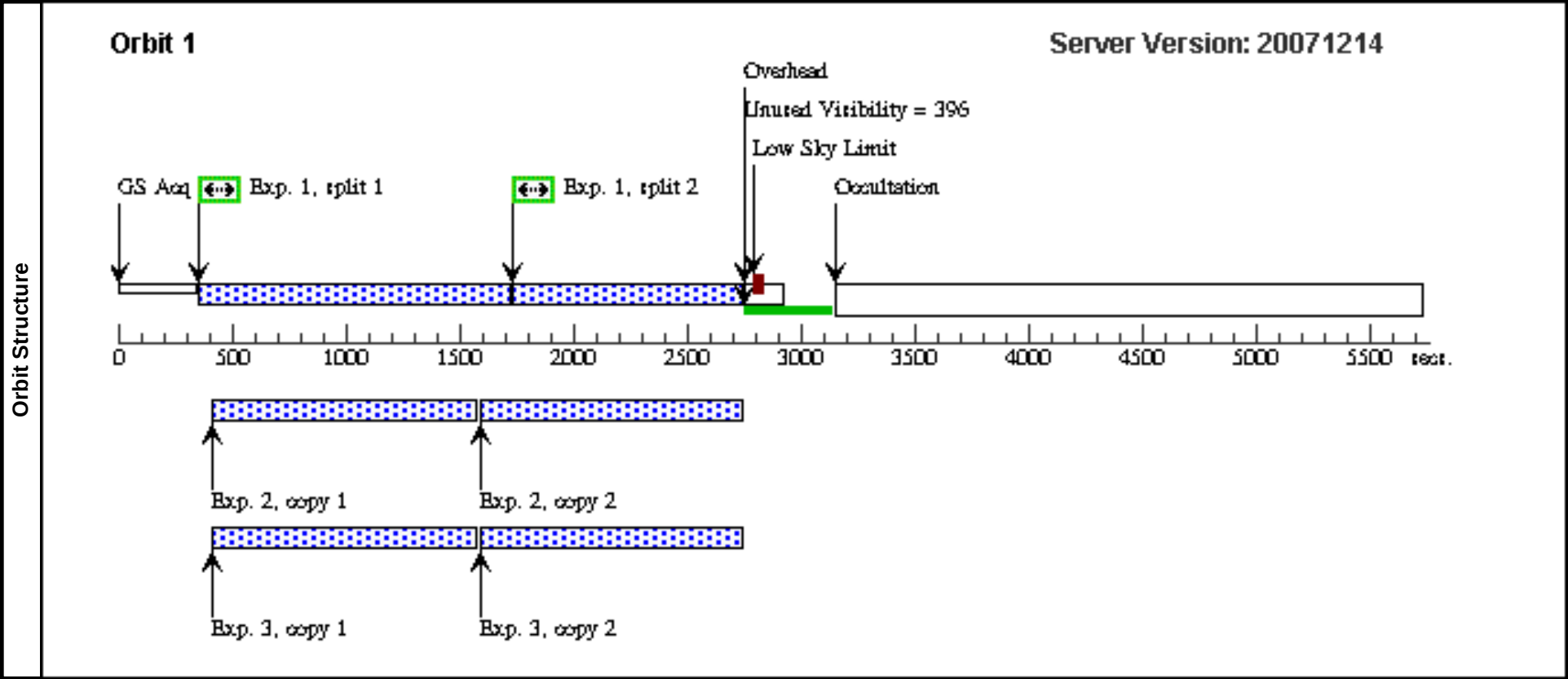


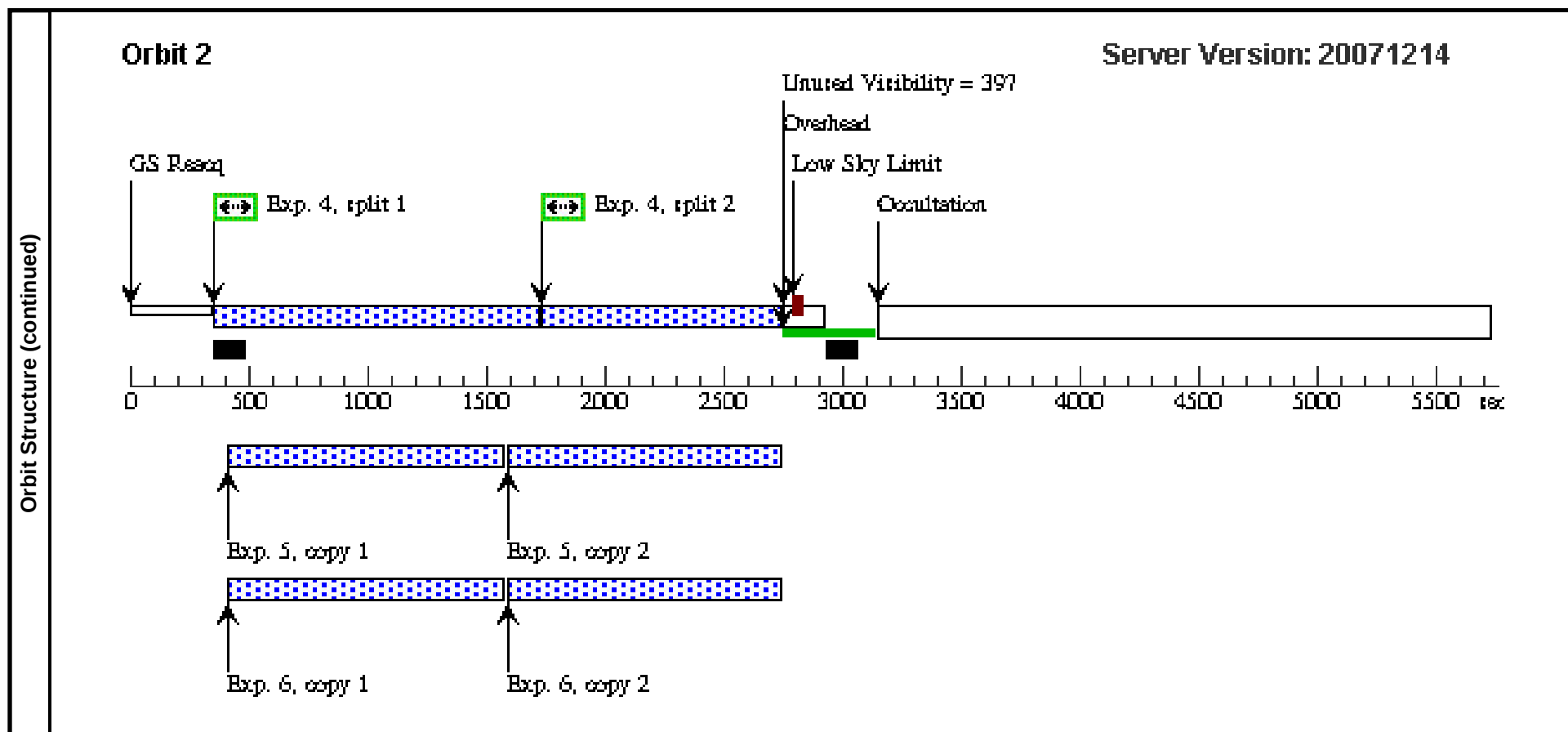


Proposal 10889 - Visit 4B - The Nature of the Halos and Thick Disks of Spiral Galaxies

Visit	Proposal 10889, Visit 4B, implementation										Thu Jan 17 20:26:59 GMT 2008
	Diagnostic Status: Warning										
	Scientific Instruments: NIC2, WFPC2, NIC1										
	Special Requirements: SAME ORIENT AS 41										
	Comments: NGC4631 POS1 POSTARG dither 3, F606W in orbit 1, F814W in orbit 2 POSTARG sets obs rotation point at NICMOS, ORIENT determines WFPC2 position										
Diagnostics	(Visit 4B) Warning (OP): POS TARG OUTSIDE OF APERTURE										
	(Visit 4B) Warning (OP): POS TARG OUTSIDE OF APERTURE										
	(Prime + Parallel Group 1-3) Warning (Form): Only Primary NIC exposure in a Parallel group should specify CAMERA-FOCUS Optional Parameter.										
	(Prime + Parallel Group 4-6) Warning (Form): Only Primary NIC exposure in a Parallel group should specify CAMERA-FOCUS Optional Parameter.										
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(41)	NGC4631-HALO-1	RA: 12 41 52.6800 (190.4695000d) Dec: +32 33 2.50 (32.55069d) Equinox: J2000					V=9.67+/-0.23		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(41) NGC4631-HAL O-1	WFPC2, IMAGE, WFALL	F606W	CR-SPLIT=DEF	POS TARG -443.00 9454,7.224193000000 00005; LOW-SKY	Prime + Parallel Group 1-3	2000.0 Secs [==>1100.0 Secs (Split 1)] [==>(Split 2)]		[1]
	2		ANY	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=20; CAMERA-FOCUS =1-2		Prime + Parallel Group 1-3	[==>(Copy 1)] [==>(Copy 2)]		[1]
	3		ANY	NIC1, MULTIACCUM, NIC1-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=20; CAMERA-FOCUS =1-2		Prime + Parallel Group 1-3	[==>(Copy 1)] [==>(Copy 2)]		[1]
	4		(41) NGC4631-HAL O-1	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=DEF	SAME POS AS 1; LOW-SKY	Prime + Parallel Group 4-6	2000.0 Secs [==>1100.0 Secs (Split 1)] [==>(Split 2)]		[2]
	5		ANY	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=20; CAMERA-FOCUS =1-2		Prime + Parallel Group 4-6	[==>(Copy 1)] [==>(Copy 2)]		[2]

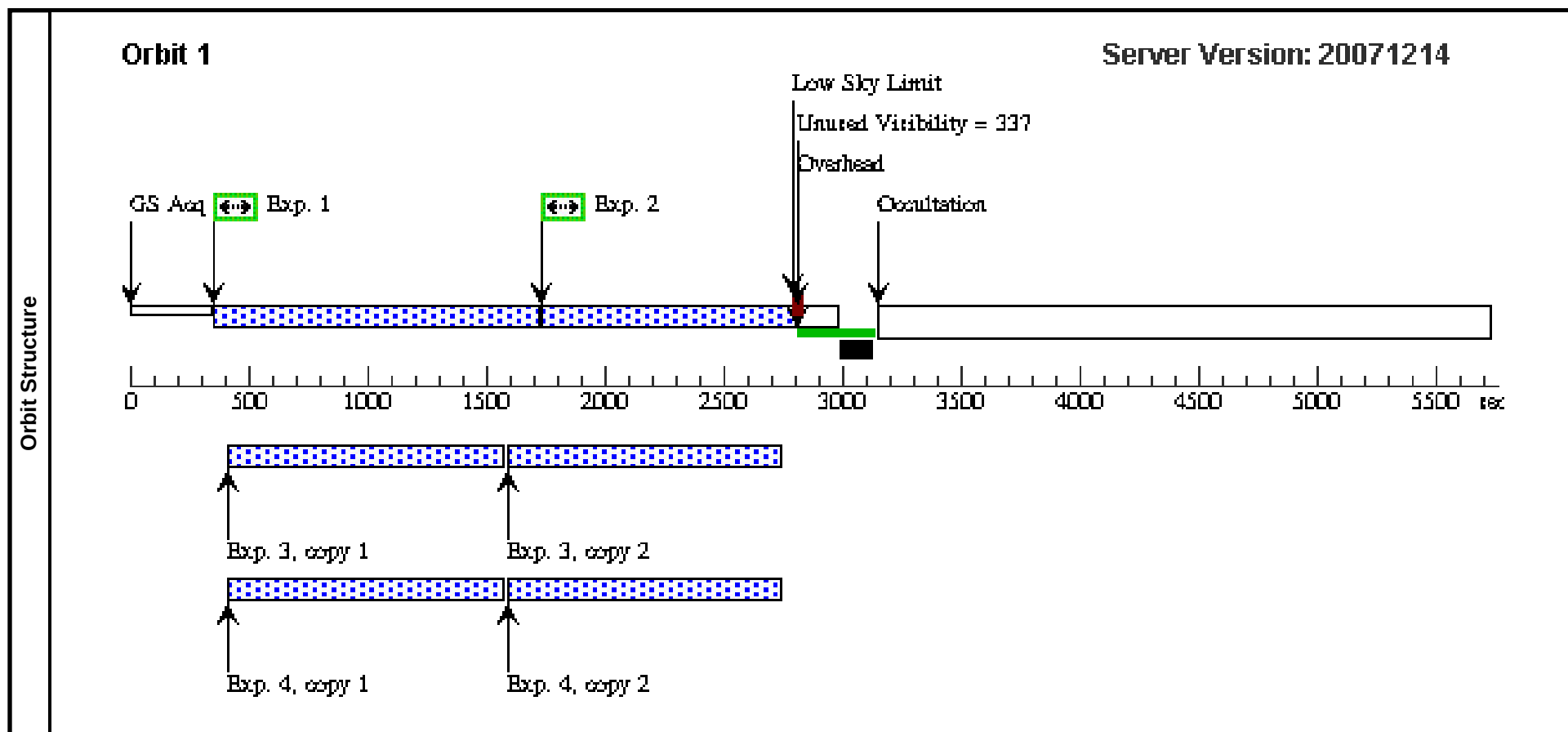
Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	6		ANY	NIC1, MULTIACCUM, NIC1-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=20; CAMERA-FOCUS =1-2		Prime + Parallel Group 4-6	[==>(Copy 1)] [==>(Copy 2)]	[2]





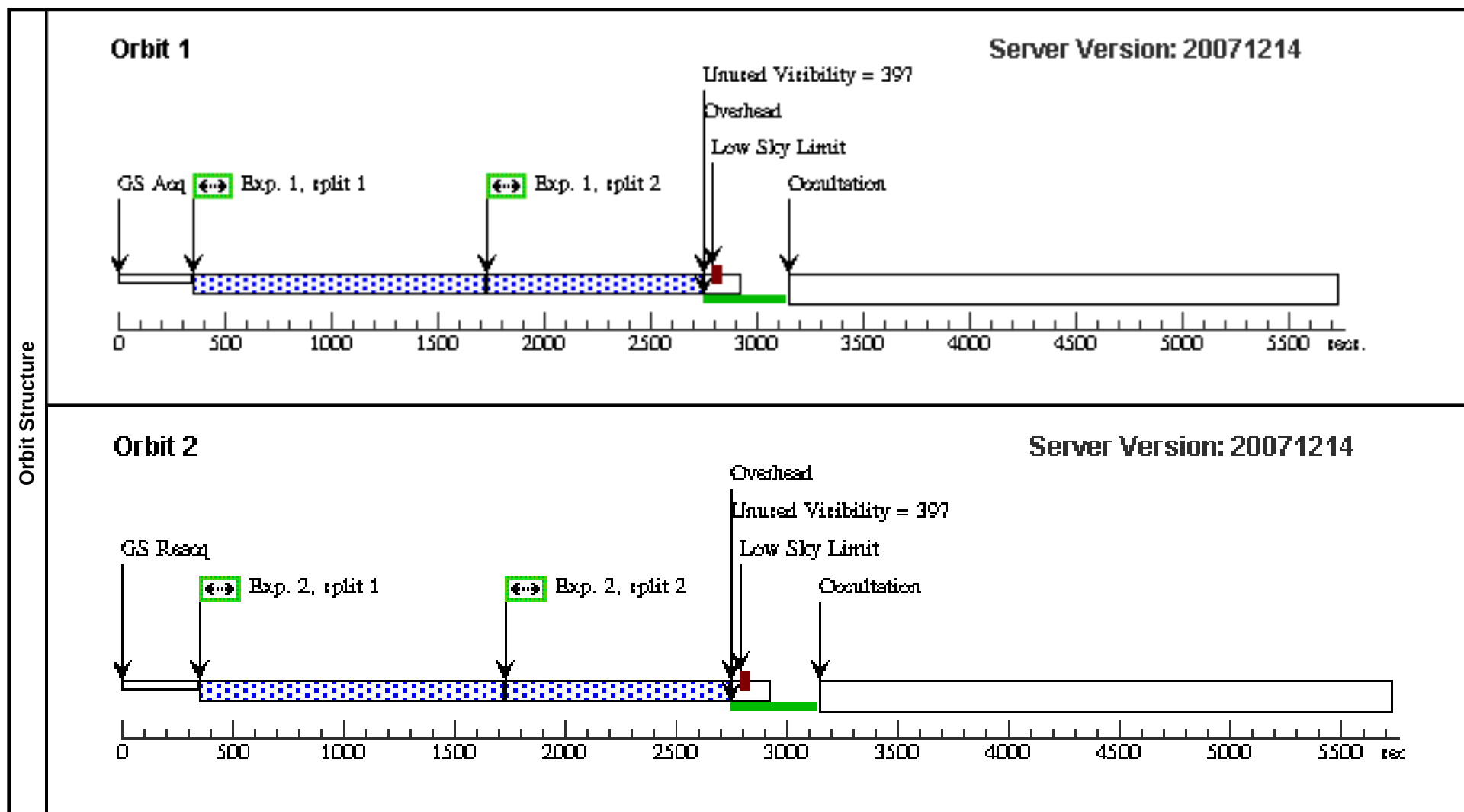
Proposal 10889 - Visit 4C - The Nature of the Halos and Thick Disks of Spiral Galaxies

Visit	Proposal 10889, Visit 4C, implementation										Thu Jan 17 20:27:00 GMT 2008
	Diagnostic Status: Warning										
	Scientific Instruments: NIC2, WFPC2, NIC1										
	Special Requirements: SAME ORIENT AS 41										
	Comments: NGC4631 POS1 POSTARG dither 4, F606W & F814W in one orbit POSTARG sets obs rotation point at NICMOS, ORIENT determines WFPC2 position										
Diagnostics	(Visit 4C) Warning (OP): VISIBILITY OVERRUN										
	(Visit 4C) Warning (OP): POS TARG OUTSIDE OF APERTURE										
	(Prime + Parallel Group 1-4) Warning (Form): Only Primary NIC exposure in a Parallel group should specify CAMERA-FOCUS Optional Parameter.										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(41)	NGC4631-HALO-1	RA: 12 41 52.6800 (190.4695000d) Dec: +32 33 2.50 (32.55069d) Equinox: J2000				V=9.67+/-0.23		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(41) NGC4631-HAL O-1	WFPC2, IMAGE, WFALL	F606W	CR-SPLIT=NO	POS TARG -443.50 9454,7.974193000000 00005; LOW-SKY	Prime + Parallel Group 1-4	1100.0 Secs [==>]		[1]
	2		(41) NGC4631-HAL O-1	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO	SAME POS AS 1; LOW-SKY	Prime + Parallel Group 1-4	1000.0 Secs [==>]		[1]
	3		ANY	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=20; CAMERA-FOCUS =1-2		Prime + Parallel Group 1-4	[==>(Copy 1)] [==>(Copy 2)]		[1]
	4		ANY	NIC1, MULTIACCUM, NIC1-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=20; CAMERA-FOCUS =1-2		Prime + Parallel Group 1-4	[==>(Copy 1)] [==>(Copy 2)]		[1]



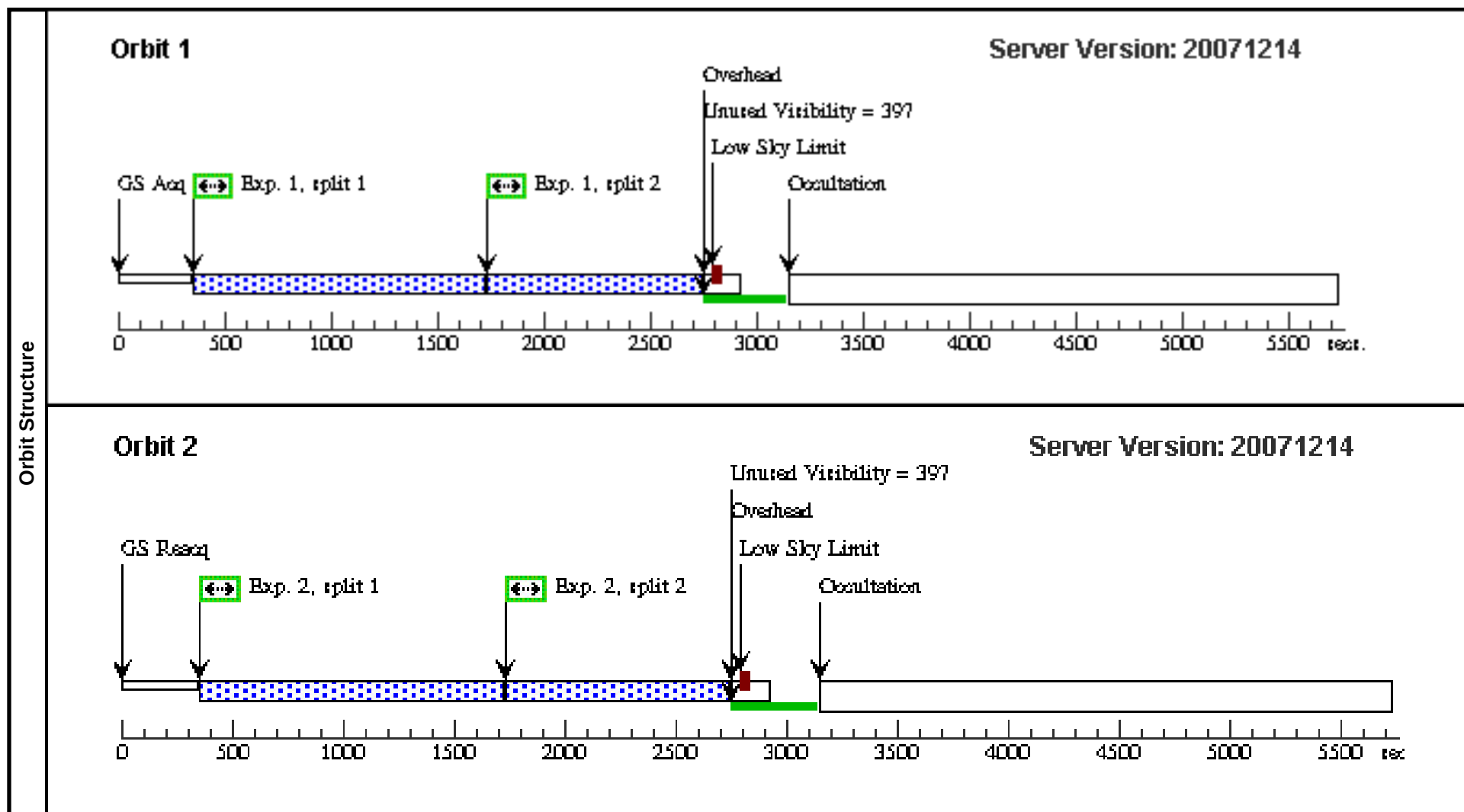
Proposal 10889 - Visit 42 - The Nature of the Halos and Thick Disks of Spiral Galaxies

Visit	Proposal 10889, Visit 42, implementation Thu Jan 17 20:27:00 GMT 2008									
	Diagnostic Status: Warning Scientific Instruments: WFPC2 Special Requirements: (none) <i>Comments: NGC4631 POS2 POSTARG dither 1, F606W in orbit 1, F814W in orbit 2</i>									
Diagnostics	(Visit 42) Warning (OP): EXPOSURE TIME DECREASED FOR WFPC									
	(Visit 42) Warning (OP): EXPOSURE TIME DECREASED FOR WFPC									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes		Miscellaneous	
	(42)	NGC4631-HALO-2	RA: 12 42 11.7200 (190.5488333d) Dec: +32 35 53.10 (32.59808d) Equinox: J2000				V=9.67+/-0.23		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(42) NGC4631-HAL O-2	WFPC2, IMAGE, WFALL	F606W	CR-SPLIT=DEF	LOW-SKY		2100.0 Secs	
									[==>1100.0 Secs (Split 1)]	
									[==>(Split 2)]	[1]
	2		(42) NGC4631-HAL O-2	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=DEF	SAME POS AS 1; LOW-SKY		2100.0 Secs	
									[==>1100.0 Secs (Split 1)]	
									[==>(Split 2)]	[2]



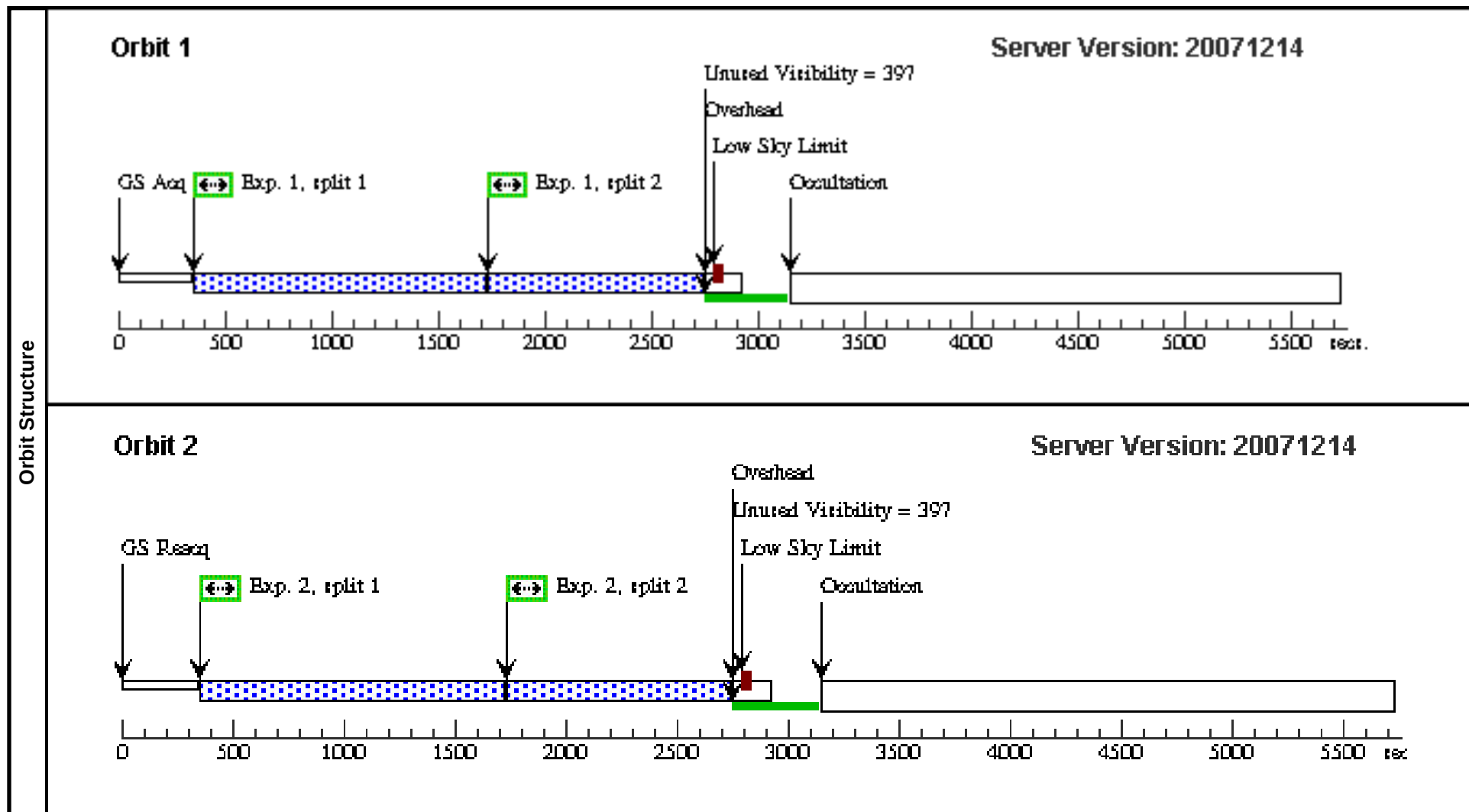
Proposal 10889 - Visit 4D - The Nature of the Halos and Thick Disks of Spiral Galaxies

Visit	Proposal 10889, Visit 4D, implementation Thu Jan 17 20:27:01 GMT 2008									
	Diagnostic Status: Warning Scientific Instruments: WFPC2 Special Requirements: SAME ORIENT AS 42 <i>Comments: NGC4631 POS2 POSTARG dither 2, F606W in orbit 1, F814W in orbit 2</i>									
Diagnostics	(Visit 4D) Warning (OP): EXPOSURE TIME DECREASED FOR WFPC									
	(Visit 4D) Warning (OP): EXPOSURE TIME DECREASED FOR WFPC									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(42)	NGC4631-HALO-2	RA: 12 42 11.7200 (190.5488333d) Dec: +32 35 53.10 (32.59808d) Equinox: J2000		V=9.67+/-0.23	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(42) NGC4631-HAL O-2	WFPC2, IMAGE, WFALL	F606W	CR-SPLIT=DEF	POS TARG 0.5,0.25; LOW-SKY		2100.0 Secs	
									[==>1100.0 Secs (Split 1)]	[1]
									[==>(Split 2)]	
	2		(42) NGC4631-HAL O-2	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=DEF	SAME POS AS 1; LOW-SKY		2100.0 Secs	
									[==>1100.0 Secs (Split 1)]	[2]
									[==>(Split 2)]	



Proposal 10889 - Visit 4E - The Nature of the Halos and Thick Disks of Spiral Galaxies

Visit	Proposal 10889, Visit 4E, implementation Thu Jan 17 20:27:01 GMT 2008									
	Diagnostic Status: Warning Scientific Instruments: WFPC2 Special Requirements: SAME ORIENT AS 42 <i>Comments: NGC4631 POS2 POSTARG dither 3, F606W in orbit 1, F814W in orbit 2</i>									
Diagnostics	(Visit 4E) Warning (OP): EXPOSURE TIME DECREASED FOR WFPC (Visit 4E) Warning (OP): EXPOSURE TIME DECREASED FOR WFPC									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(42)	NGC4631-HALO-2	RA: 12 42 11.7200 (190.5488333d) Dec: +32 35 53.10 (32.59808d) Equinox: J2000		V=9.67+/-0.23	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(42) NGC4631-HAL O-2	WFPC2, IMAGE, WFALL	F606W	CR-SPLIT=DEF	POS TARG 0.75,0.75; LOW-SKY		2100.0 Secs [==>1100.0 Secs (Split 1)] [==>(Split 2)]	
										[1]
	2		(42) NGC4631-HAL O-2	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=DEF	SAME POS AS 1; LOW-SKY		2100.0 Secs [==>1100.0 Secs (Split 1)] [==>(Split 2)]	
										[2]



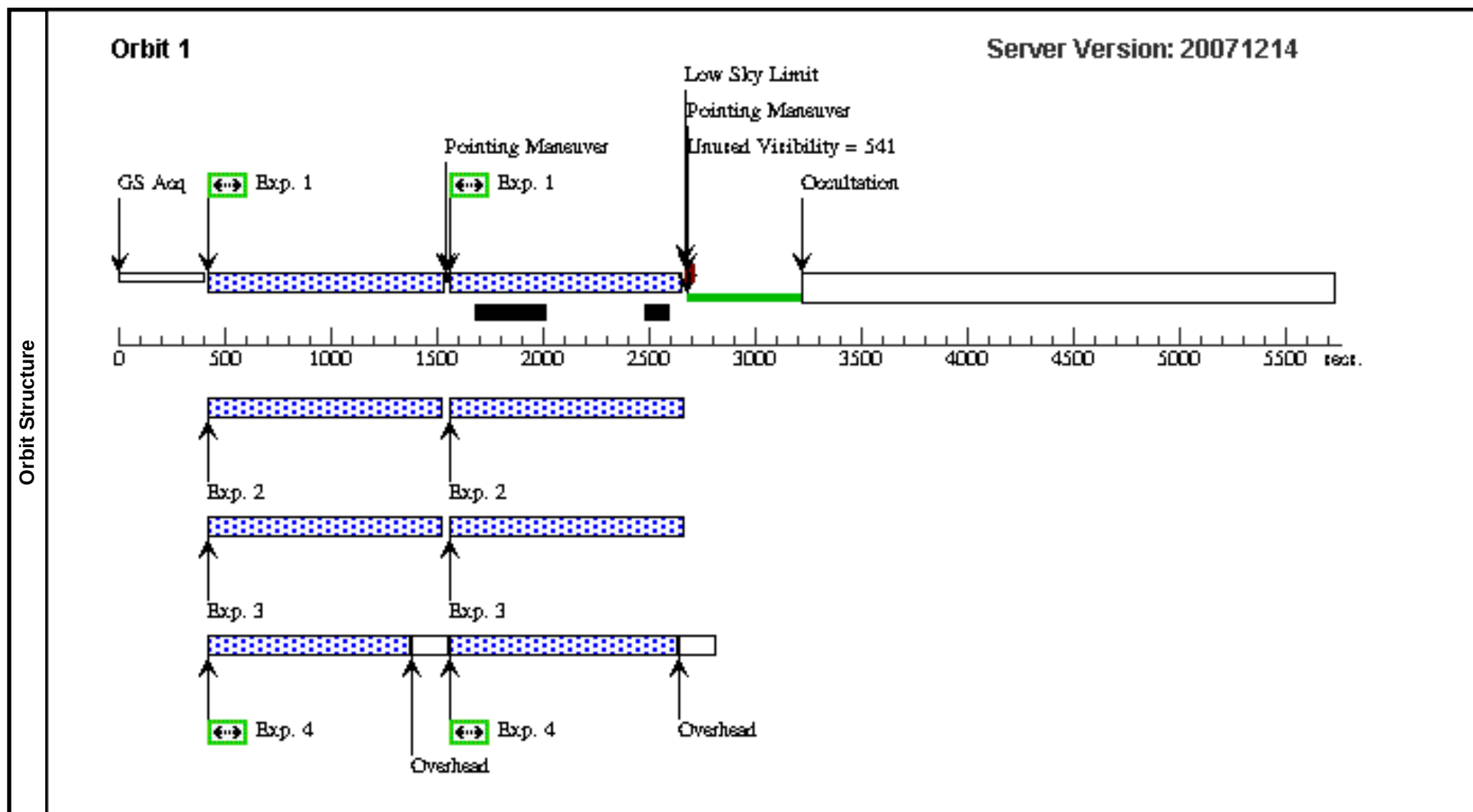
Visit	Proposal 10889, Visit 4F, implementation										Thu Jan 17 20:27:02 GMT 2008
	Diagnostic Status: Warning										
	Scientific Instruments: WFPC2										
	Special Requirements: SAME ORIENT AS 42										
Diagnostics	Comments: NGC4631 POS2 POSTARG dither 4, F606W & F814W in 1 orbit										
	(Visit 4F) Warning (OP): VISIBILITY OVERRUN										
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes	Miscellaneous		
		(42)	NGC4631-HALO-2	RA: 12 42 11.7200 (190.5488333d) Dec: +32 35 53.10 (32.59808d) Equinox: J2000				V=9.67+/-0.23	Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1		(42) NGC4631-HAL O-2	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO	POS TARG 0.25,0.5;		1000.0 Secs		
							LOW-SKY		[==>]	[1]	
	2		(42) NGC4631-HAL O-2	WFPC2, IMAGE, WFALL	F606W	CR-SPLIT=NO	SAME POS AS 1;		1000.0 Secs		
Orbit Structure							LOW-SKY		[==>]	[1]	
	Orbit 1 Server Version: 20071214										

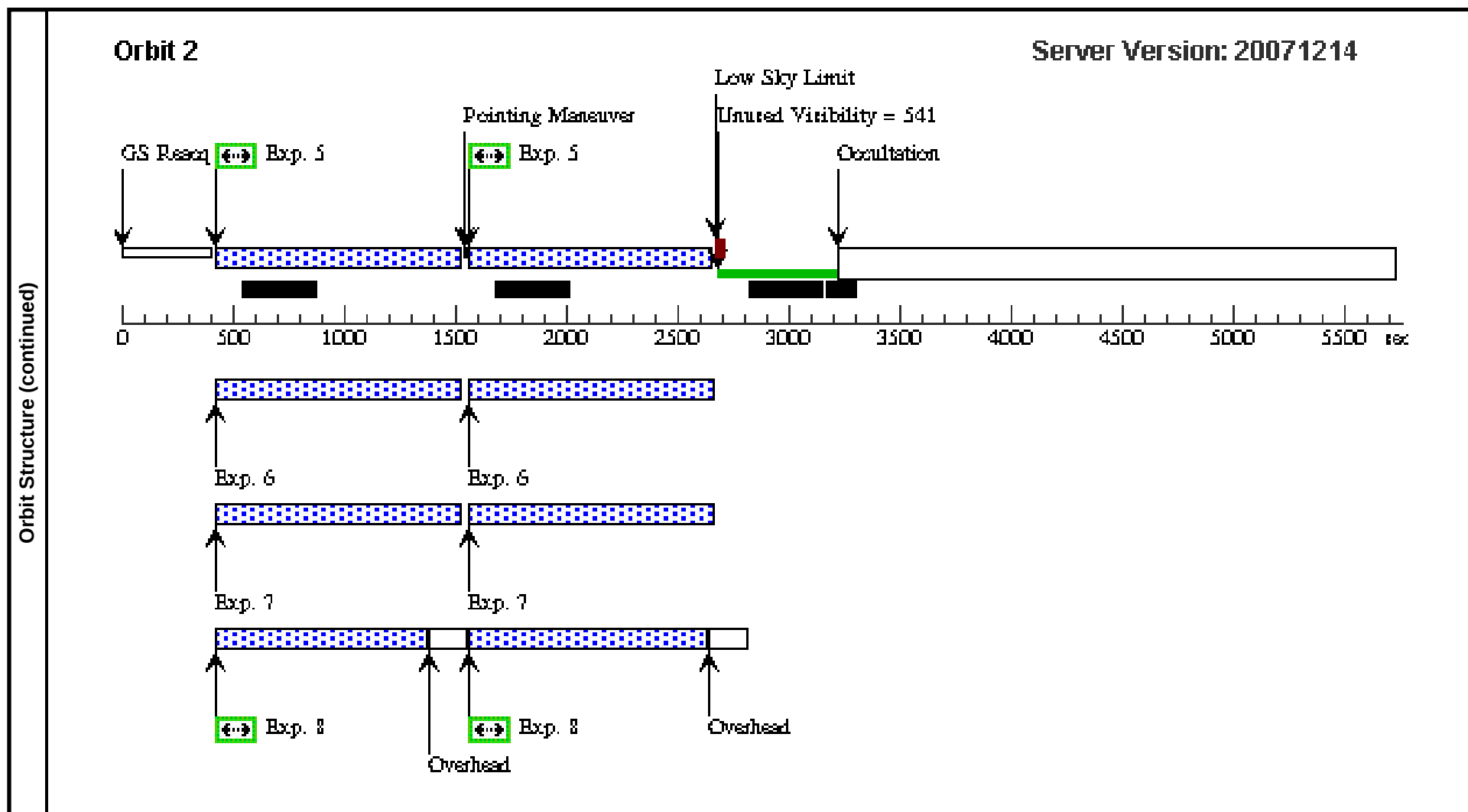
Proposal 10889 - Visit 52 - The Nature of the Halos and Thick Disks of Spiral Galaxies

Visit	Proposal 10889, Visit 52, completed										Thu Jan 17 20:27:02 GMT 2008
	Diagnostic Status: Warning										
	Scientific Instruments: ACS/WFC, NIC2, WFPC2, NIC1										
	Special Requirements: ORIENT 300.0D TO 309.0 D										
	Comments: 1st 2-point dither of 6 dither steps for NGC5907 POS2 POSTARG sets obs rotation point at NICMOS, orient determines ACS position NICMOS position is on known stellar stream										
Diagnostics	(Visit 52) Warning (OP): VISIBILITY OVERRUN										
	(Visit 52) Warning (OP): PATTERN POSITION OUTSIDE APERTURE										
	(Visit 52) Warning (OP): VISIBILITY OVERRUN										
	(Visit 52) Warning (OP): PATTERN POSITION OUTSIDE APERTURE										
	(Prime + Parallel Group 1-4) Warning (Form): Only Primary NIC exposure in a Parallel group should specify CAMERA-FOCUS Optional Parameter.										
	(Primary Exposure 1 (Prime + Parallel Group 1-4) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes										
	(Prime + Parallel Group 5-8) Warning (Form): Only Primary NIC exposure in a Parallel group should specify CAMERA-FOCUS Optional Parameter.										
Patterns	(Primary Exposure 5 (Prime + Parallel Group 5-8) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes										
	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=LINE	Coordinate Frame=POS-TARG						(1-4), (5-8)		
		Purpose=DITHER	Pattern Orientation=299.38								
		Number Of Points=2	Angle Between Sides=								
Fixed Targets		Point Spacing=0.3525	Center Pattern=true								
		Line Spacing=									
	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(52)	NGC5907-HALO-2	RA: 15 17 0.1284 (229.2505350d) Dec: +56 20 39.81 (56.34439d) Equinox: J2000				V=10.22+/-0.13		Reference Frame: ICRS		
		Comments: This object was generated by the targetselector and retrieved from the NED database.									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1		(52) NGC5907-HAL O-2	ACS/WFC, ACCUM, WFC-FIX	F814W	CR-SPLIT=NO	POS TARG -574.83 46986626201,-99.23 330161724735; LOW-SKY	Pattern 1-4 (1) Prime + Parallel Gro up 1-4	902.0 Secs [==>(Pattern 1)] [==>970.0 Secs (Pattern 2)]	[1]	
	2		ANY	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=19; CAMERA-FOCUS =1-2		Pattern 1-4 (1) Prime + Parallel Gro up 1-4	[==>(Pattern 1)] [==>(Pattern 2)]	[1]	

Proposal 10889 - Visit 52 - The Nature of the Halos and Thick Disks of Spiral Galaxies

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	3		ANY	NIC1, MULTIACCUM, NIC1-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=19; CAMERA-FOCUS =1-2		Pattern 1-4 (1) Prime + Parallel Group 1-4	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		ANY	WFPC2, IMAGE, WF3-FIX	F606W	CR-SPLIT=NO		Pattern 1-4 (1) Prime + Parallel Group 1-4	800.0 Secs [==>(Pattern 1)] [==>900.0 Secs (Pattern 2)]	[1]
	5		(52) NGC5907-HAL O-2	ACS/WFC, ACCUM, WFC-FIX	F606W	CR-SPLIT=NO	POS TARG -574.83 46986626201,-99.23 330161724735; LOW-SKY	Pattern 5-8 (1) Prime + Parallel Group 5-8	922.0 Secs [==>(Pattern 1)] [==>965.0 Secs (Pattern 2)]	[2]
	6		ANY	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=19; CAMERA-FOCUS =1-2		Pattern 5-8 (1) Prime + Parallel Group 5-8	[==>(Pattern 1)] [==>(Pattern 2)]	[2]
	7		ANY	NIC1, MULTIACCUM, NIC1-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=19; CAMERA-FOCUS =1-2		Pattern 5-8 (1) Prime + Parallel Group 5-8	[==>(Pattern 1)] [==>(Pattern 2)]	[2]
	8		ANY	WFPC2, IMAGE, WF3-FIX	F606W	CR-SPLIT=NO		Pattern 5-8 (1) Prime + Parallel Group 5-8	800.0 Secs [==>(Pattern 1)] [==>900.0 Secs (Pattern 2)]	[2]



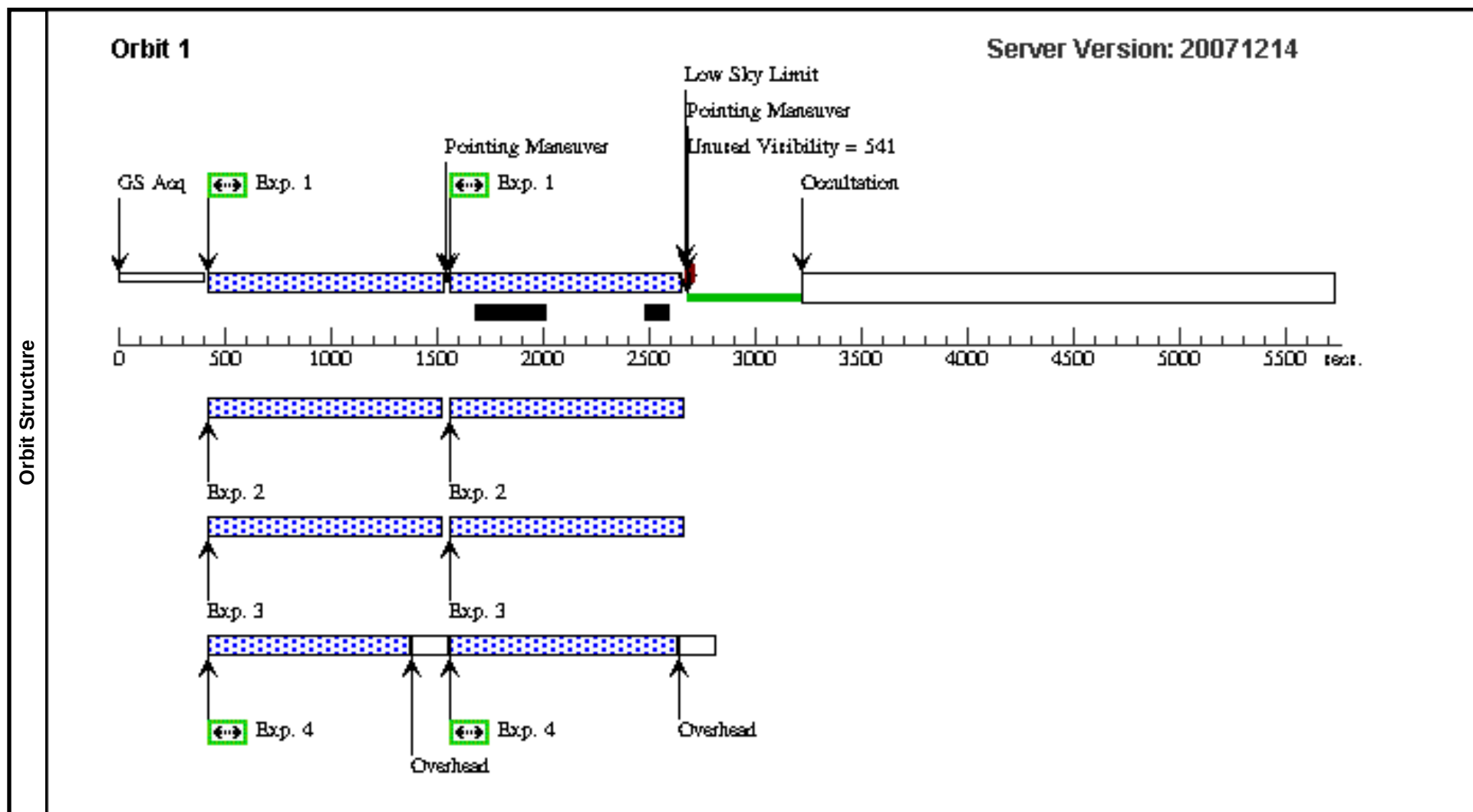


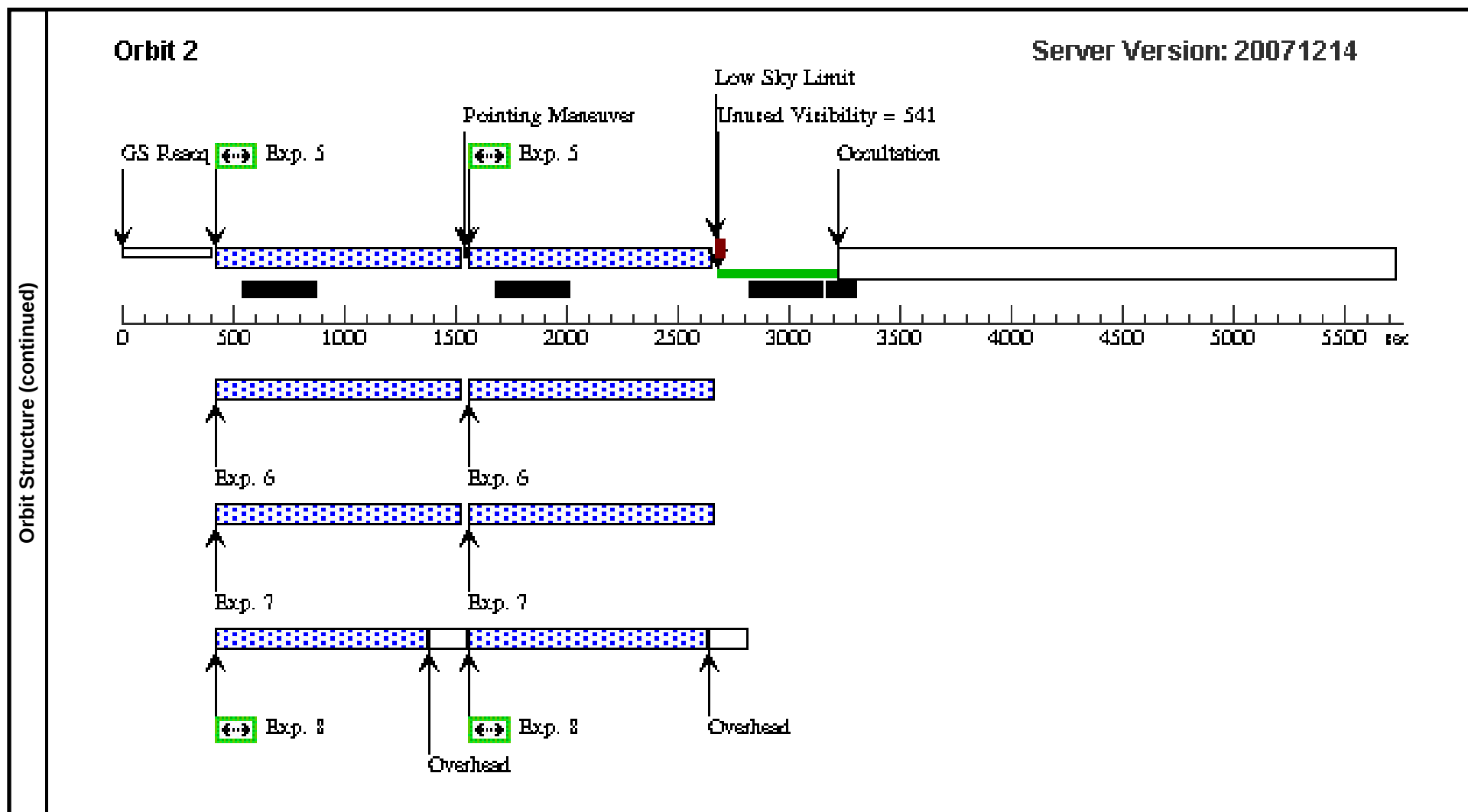
Proposal 10889 - Visit 5C - The Nature of the Halos and Thick Disks of Spiral Galaxies

Visit	Proposal 10889, Visit 5C, completed										Thu Jan 17 20:27:02 GMT 2008
	Diagnostic Status: Warning										
	Scientific Instruments: ACS/WFC, NIC2, WFPC2, NIC1										
	Special Requirements: SAME ORIENT AS 52										
	Comments: 2nd 2-point dither of 6 dither steps for NGC5907 POS2 POSTARG sets obs rotation point at NICMOS, orient determines ACS position POSTARG used to subdither this field NICMOS position is on known stellar stream										
Diagnostics	(Visit 5C) Warning (OP): VISIBILITY OVERRUN										
	(Visit 5C) Warning (OP): PATTERN POSITION OUTSIDE APERTURE										
	(Visit 5C) Warning (OP): PATTERN POSITION OUTSIDE APERTURE										
	(Visit 5C) Warning (OP): VISIBILITY OVERRUN										
	(Prime + Parallel Group 1-4) Warning (Form): Only Primary NIC exposure in a Parallel group should specify CAMERA-FOCUS Optional Parameter.										
	(Primary Exposure 1 (Prime + Parallel Group 1-4) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes										
Patterns	(Prime + Parallel Group 5-8) Warning (Form): Only Primary NIC exposure in a Parallel group should specify CAMERA-FOCUS Optional Parameter.										
	(Primary Exposure 5 (Prime + Parallel Group 5-8) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes										
	#	Primary Pattern					Secondary Pattern				Exposures
	(1)	Pattern Type=LINE		Coordinate Frame=POS-TARG							(1-4), (5-8)
		Purpose=DITHER		Pattern Orientation=299.38							
		Number Of Points=2		Angle Between Sides=							
	Point Spacing=0.3525		Center Pattern=true								
	Line Spacing=										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(52)	NGC5907-HALO-2	RA: 15 17 0.1284 (229.2505350d)				V=10.22+/-0.13		Reference Frame: ICRS		
			Dec: +56 20 39.81 (56.34439d)								
			Equinox: J2000								
		Comments: This object was generated by the targetselector and retrieved from the NED database.									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1		(52) NGC5907-HALO-2	ACS/WFC, ACCUM, WFC-FIX	F814W	CR-SPLIT=NO	POS TARG -574.49 3,-99.124969; LOW-SKY	Pattern 1-4 (1) Prime + Parallel Group 1-4	902.0 Secs [==>(Pattern 1)] [==>970.0 Secs (Pattern 2)]	[1]	
	2		ANY	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=19; CAMERA-FOCUS =1-2		Pattern 1-4 (1) Prime + Parallel Group 1-4	[==>(Pattern 1)] [==>(Pattern 2)]	[1]	

Proposal 10889 - Visit 5C - The Nature of the Halos and Thick Disks of Spiral Galaxies

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	3		ANY	NIC1, MULTIACCUM, NIC1-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=19; CAMERA-FOCUS =1-2		Pattern 1-4 (1) Prime + Parallel Group 1-4	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		ANY	WFPC2, IMAGE, WF3-FIX	F606W	CR-SPLIT=NO		Pattern 1-4 (1) Prime + Parallel Group 1-4	800.0 Secs [==>(Pattern 1)] [==>900.0 Secs (Pattern 2)]	[1]
	5		(52) NGC5907-HAL O-2	ACS/WFC, ACCUM, WFC-FIX	F606W	CR-SPLIT=NO	POS TARG -574.49 3,-99.124969; LOW-SKY	Pattern 5-8 (1) Prime + Parallel Group 5-8	922.0 Secs [==>(Pattern 1)] [==>965.0 Secs (Pattern 2)]	[2]
	6		ANY	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=19; CAMERA-FOCUS =1-2		Pattern 5-8 (1) Prime + Parallel Group 5-8	[==>(Pattern 1)] [==>(Pattern 2)]	[2]
	7		ANY	NIC1, MULTIACCUM, NIC1-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=19; CAMERA-FOCUS =1-2		Pattern 5-8 (1) Prime + Parallel Group 5-8	[==>(Pattern 1)] [==>(Pattern 2)]	[2]
	8		ANY	WFPC2, IMAGE, WF3-FIX	F606W	CR-SPLIT=NO		Pattern 5-8 (1) Prime + Parallel Group 5-8	800.0 Secs [==>(Pattern 1)] [==>900.0 Secs (Pattern 2)]	[2]



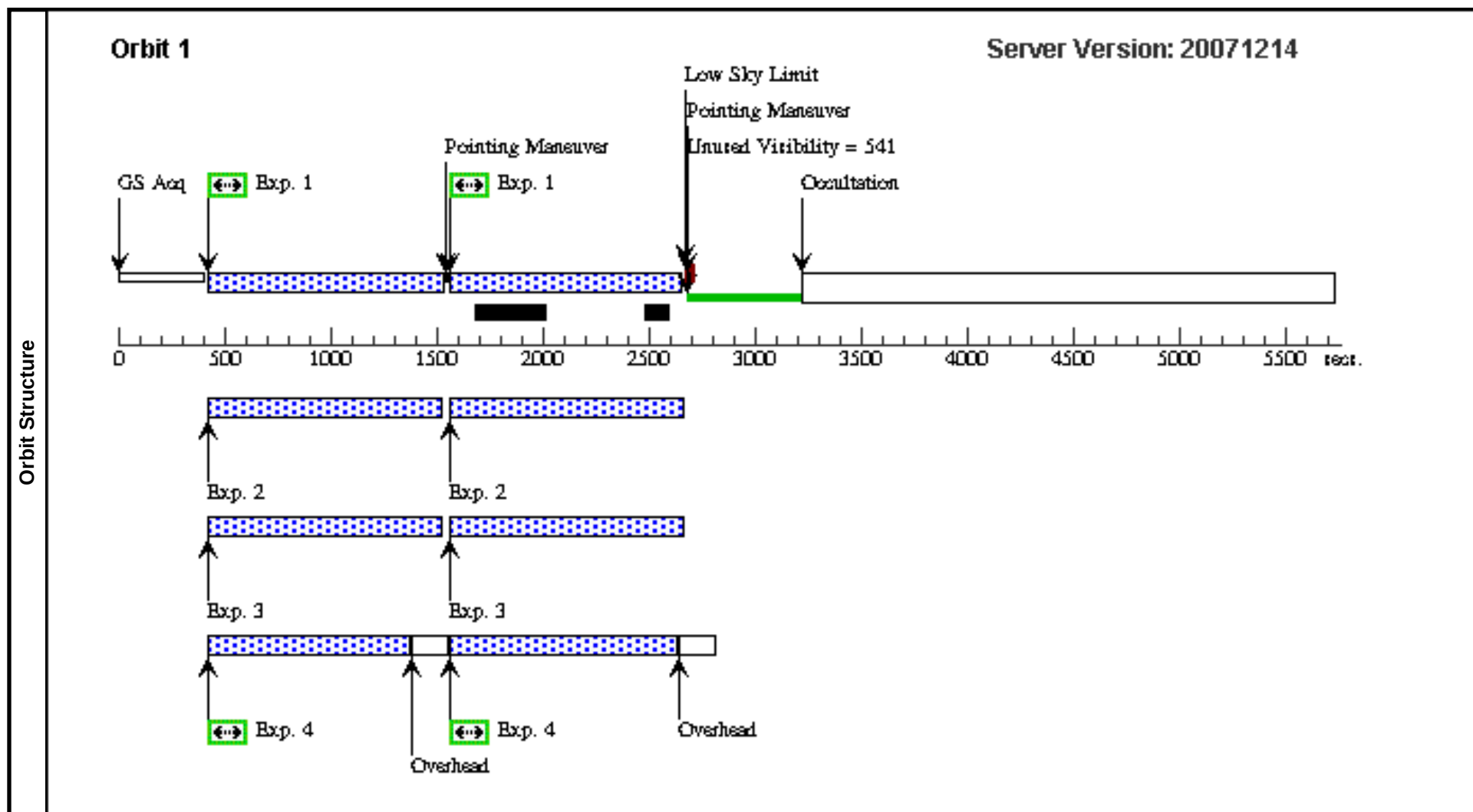


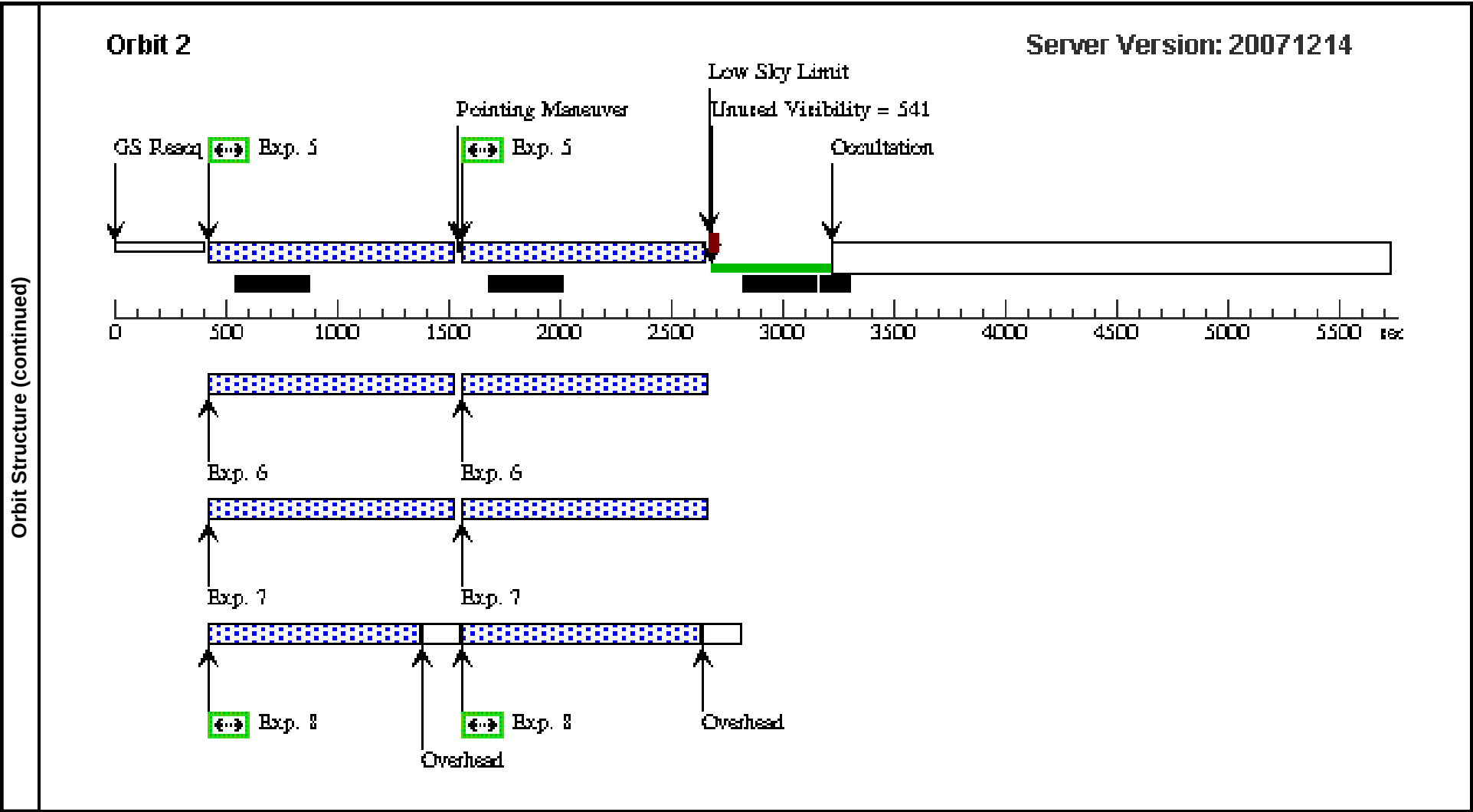
Proposal 10889 - Visit 5D - The Nature of the Halos and Thick Disks of Spiral Galaxies

Visit	Proposal 10889, Visit 5D, completed										Thu Jan 17 20:27:03 GMT 2008		
	Diagnostic Status: Warning												
	Scientific Instruments: ACS/WFC, NIC2, WFPC2, NIC1												
	Special Requirements: SAME ORIENT AS 52												
	Comments: 3rd 2-point dither of 6 dither steps for NGC5907 POS2 POSTARG sets obs rotation point at NICMOS, orient determines ACS position POSTARG used to subdither this field NICMOS position is on known stellar stream												
Diagnostics	(Visit 5D) Warning (OP): VISIBILITY OVERRUN												
	(Visit 5D) Warning (OP): PATTERN POSITION OUTSIDE APERTURE												
	(Visit 5D) Warning (OP): PATTERN POSITION OUTSIDE APERTURE												
	(Visit 5D) Warning (OP): VISIBILITY OVERRUN												
	(Prime + Parallel Group 1-4) Warning (Form): Only Primary NIC exposure in a Parallel group should specify CAMERA-FOCUS Optional Parameter.												
	(Primary Exposure 1 (Prime + Parallel Group 1-4) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes												
	(Prime + Parallel Group 5-8) Warning (Form): Only Primary NIC exposure in a Parallel group should specify CAMERA-FOCUS Optional Parameter.												
Patterns	(Primary Exposure 5 (Prime + Parallel Group 5-8) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes												
	#	Primary Pattern					Secondary Pattern					Exposures	
	(1)	Pattern Type=LINE		Coordinate Frame=POS-TARG								(1-4), (5-8)	
		Purpose=DITHER		Pattern Orientation=299.38									
		Number Of Points=2		Angle Between Sides=									
	Point Spacing=0.3525		Center Pattern=true										
	Line Spacing=												
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(52)	NGC5907-HALO-2		RA: 15 17 0.1284 (229.2505350d)				V=10.22+/-0.13		Reference Frame: ICRS			
				Dec: +56 20 39.81 (56.34439d)									
				Equinox: J2000									
Comments: This object was generated by the targetselector and retrieved from the NED database.													
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit	
	1		(52) NGC5907-HAL O-2	ACS/WFC, ACCUM, WFC-FIX		F814W	CR-SPLIT=NO	POS TARG -575.17 64,-99.341635; LOW-SKY	Pattern 1-4 (1) Prime + Parallel Group 1-4	902.0 Secs			
										[==>(Pattern 1)]			[1]
										[==>970.0 Secs (Pattern 2)]			
	2		ANY	NIC2, MULTIACCUM, NIC2-FIX		F160W	SAMP-SEQ=SPARS 64; NSAMP=19; CAMERA-FOCUS =1-2		Pattern 1-4 (1) Prime + Parallel Group 1-4	[==>(Pattern 1)] [==>(Pattern 2)]			[1]

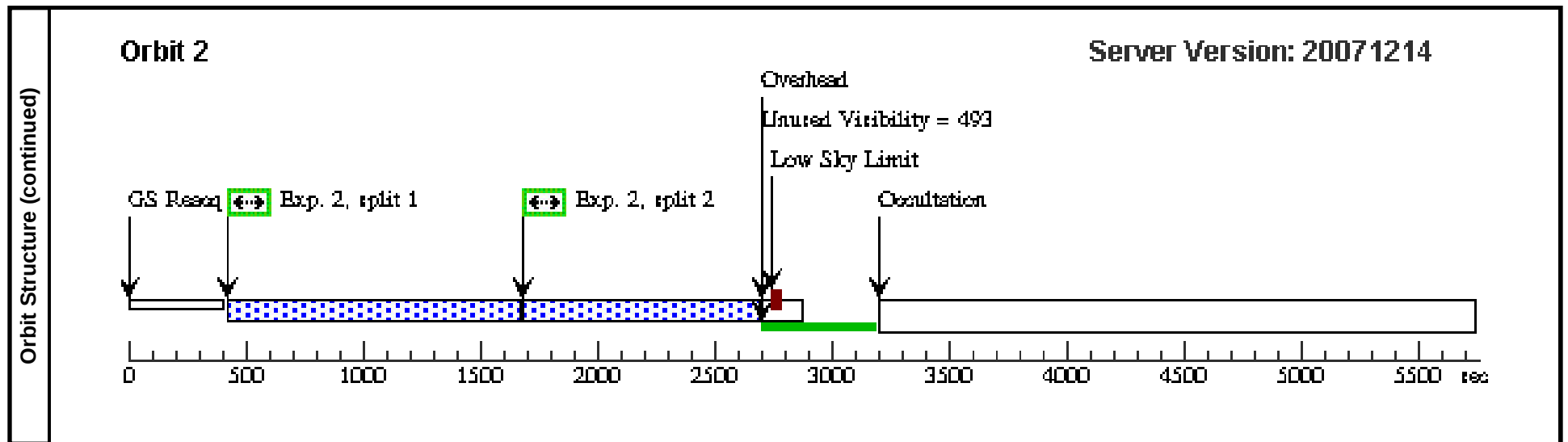
Proposal 10889 - Visit 5D - The Nature of the Halos and Thick Disks of Spiral Galaxies

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	3		ANY	NIC1, MULTIACCUM, NIC1-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=19; CAMERA-FOCUS =1-2		Pattern 1-4 (1) Prime + Parallel Group 1-4	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		ANY	WFPC2, IMAGE, WF3-FIX	F606W	CR-SPLIT=NO		Pattern 1-4 (1) Prime + Parallel Group 1-4	800.0 Secs [==>(Pattern 1)] [==>900.0 Secs (Pattern 2)]	[1]
	5		(52) NGC5907-HAL O-2	ACS/WFC, ACCUM, WFC-FIX	F606W	CR-SPLIT=NO	POS TARG -575.17 64,-99.341635; LOW-SKY	Pattern 5-8 (1) Prime + Parallel Group 5-8	922.0 Secs [==>(Pattern 1)] [==>965.0 Secs (Pattern 2)]	[2]
	6		ANY	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=19; CAMERA-FOCUS =1-2		Pattern 5-8 (1) Prime + Parallel Group 5-8	[==>(Pattern 1)] [==>(Pattern 2)]	[2]
	7		ANY	NIC1, MULTIACCUM, NIC1-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=19; CAMERA-FOCUS =1-2		Pattern 5-8 (1) Prime + Parallel Group 5-8	[==>(Pattern 1)] [==>(Pattern 2)]	[2]
	8		ANY	WFPC2, IMAGE, WF3-FIX	F606W	CR-SPLIT=NO		Pattern 5-8 (1) Prime + Parallel Group 5-8	800.0 Secs [==>(Pattern 1)] [==>900.0 Secs (Pattern 2)]	[2]



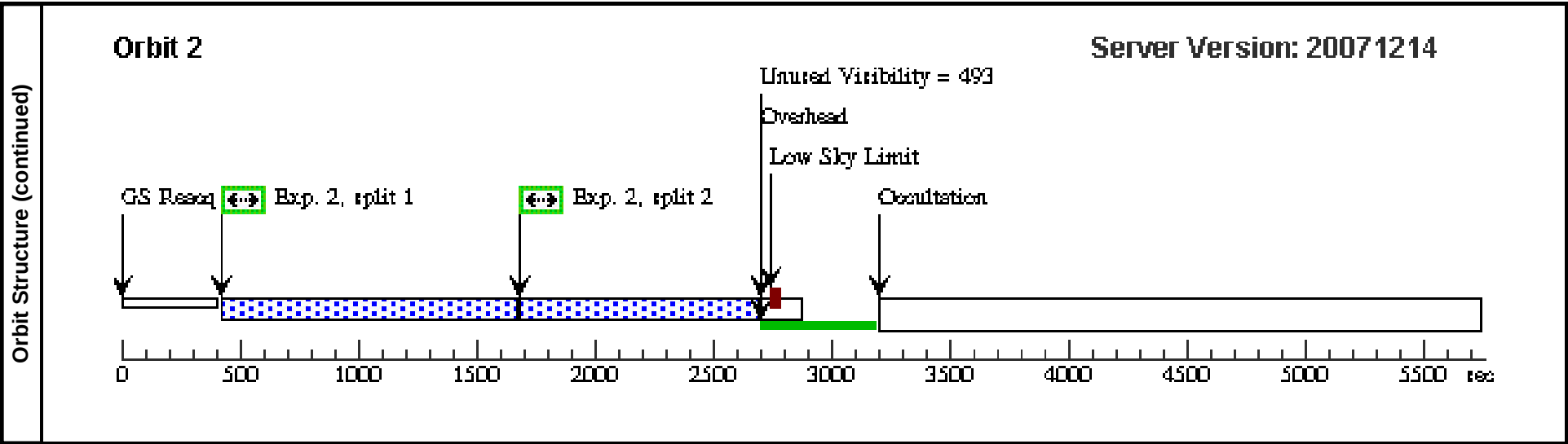


Visit	Proposal 10889, Visit 61, implementation Thu Jan 17 20:27:03 GMT 2008									
	Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: (none) Comments: NGC7090 POS1 POSTARG dither 1, 2 orbits F814W (will use F625W ACS observation from archive)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(61)	NGC7090-HALO-1	RA: 21 36 26.0000 (324.1083333d) Dec: -54 33 40.80 (-54.56133d) Equinox: J2000		V=11.3+/-0.1	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(61) NGC7090-HAL O-1	WFPC2, IMAGE, WFALL-FIX	F814W	CR-SPLIT=DEF	LOW-SKY		2000.0 Secs	
									[=>(Split 1)]	
									[=>(Split 2)]	[1]
	2		(61) NGC7090-HAL O-1	WFPC2, IMAGE, WFALL-FIX	F814W	CR-SPLIT=DEF	POS TARG 0.33,0.3 3;		2000.0 Secs	
							LOW-SKY		[=>(Split 1)]	
									[=>(Split 2)]	[2]
Orbit Structure	Orbit 1 Server Version: 20071214									



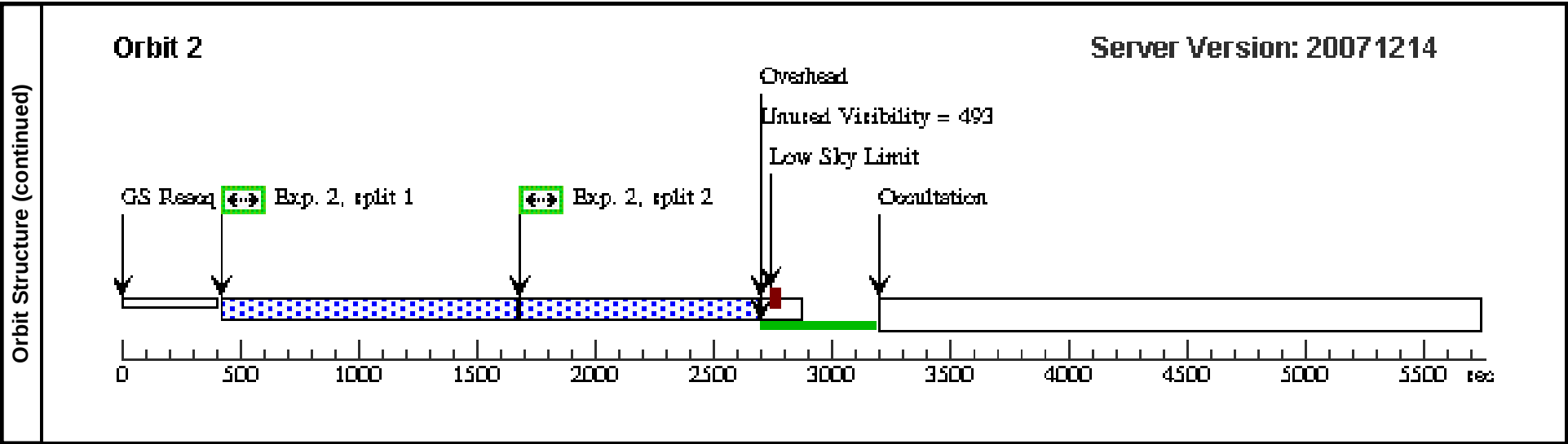
Visit	Proposal 10889, Visit 6A, implementation Thu Jan 17 20:27:04 GMT 2008									
	Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: SAME ORIENT AS 61 <i>Comments: NGC7090 POS1 POSTARG dither 1, 1 orbit F814W (will use F625W ACS observation from archive)</i>									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(61)	NGC7090-HALO-1	RA: 21 36 26.0000 (324.1083333d) Dec: -54 33 40.80 (-54.56133d) Equinox: J2000		V=11.3+/-0.1	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(61) NGC7090-HAL O-1	WFPC2, IMAGE, WFALL-FIX	F814W	CR-SPLIT=DEF	POS TARG 0.66,0.6 6; LOW-SKY		2000.0 Secs [==>(Split 1)] [==>(Split 2)]	[1]
Orbit Structure	Orbit 1 Server Version: 20071214									
	Orbit Structure diagram for Orbit 1. The timeline shows the following events: - GS Acq at 0s - Exp. 1, split 1 at ~400s - Exp. 1, split 2 at ~1700s - Overhead at ~2700s - Low Sky Limit at ~2800s - Occultation at ~3200s The observation period is indicated by a blue checkered bar from ~400s to ~2700s. Unused visibility is 493 seconds.									

Visit	Proposal 10889, Visit 62, implementation Thu Jan 17 20:27:04 GMT 2008									
	Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: (none) <i>Comments: NGC7090 POS2 POSTARG dither 1, F814W orbit 1, F606W orbit 2</i>									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(62)	NGC7090-HALO-2	RA: 21 36 48.1100 (324.2004583d) Dec: -54 35 24.20 (-54.59006d) Equinox: J2000		V=11.3+/-0.1	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(62) NGC7090-HAL O-2	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=DEF	LOW-SKY		2000.0 Secs	
									[=>(Split 1)]	[1]
									[=>(Split 2)]	
	2		(62) NGC7090-HAL O-2	WFPC2, IMAGE, WFALL	F606W	CR-SPLIT=DEF	SAME POS AS 1; LOW-SKY		2000.0 Secs	
									[=>(Split 1)]	[2]
									[=>(Split 2)]	
Orbit Structure	Orbit 1 Server Version: 20071214									



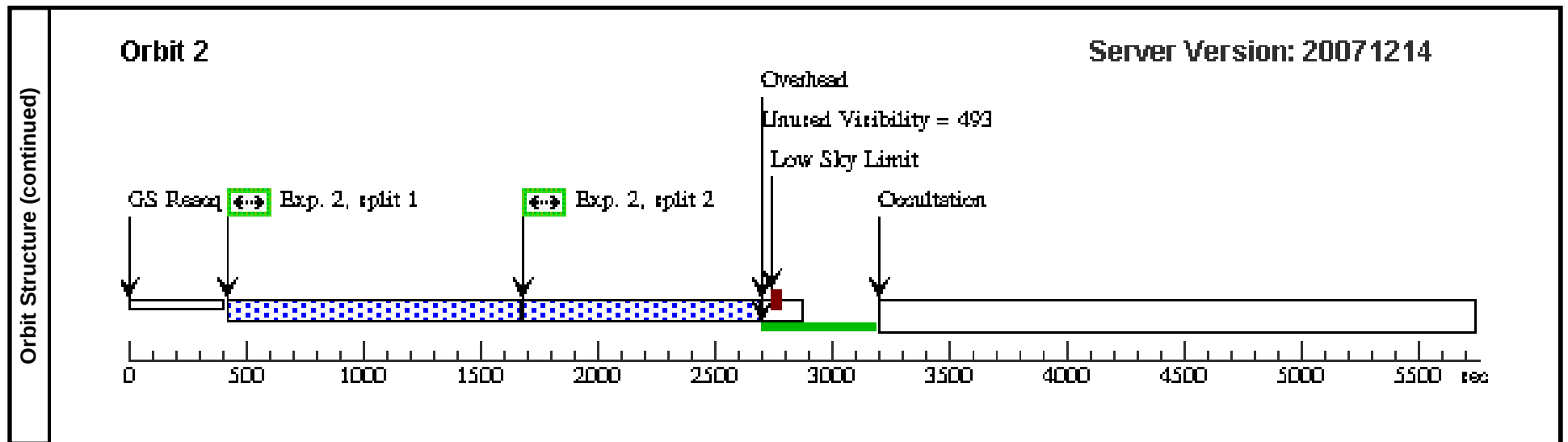
Proposal 10889 - Visit 6B - The Nature of the Halos and Thick Disks of Spiral Galaxies

Visit	Proposal 10889, Visit 6B, implementation									Thu Jan 17 20:27:04 GMT 2008
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFPC2									
	Special Requirements: SAME ORIENT AS 62									
Comments: NGC7090 POS2 POSTARG dither 2, F814W orbit 1, F606W orbit 2										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(62)	NGC7090-HALO-2	RA: 21 36 48.1100 (324.2004583d) Dec: -54 35 24.20 (-54.59006d) Equinox: J2000				V=11.3+/-0.1		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(62) NGC7090-HAL O-2	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=DEF	POS TARG 0.5,0.25; LOW-SKY		2000.0 Secs	
									[==>(Split 1)]	[1]
									[==>(Split 2)]	
2		(62) NGC7090-HAL O-2	WFPC2, IMAGE, WFALL	F606W	CR-SPLIT=DEF	SAME POS AS 1; LOW-SKY		2000.0 Secs		
									[==>(Split 1)]	[2]
									[==>(Split 2)]	
Orbit Structure	Orbit 1 Server Version: 20071214									

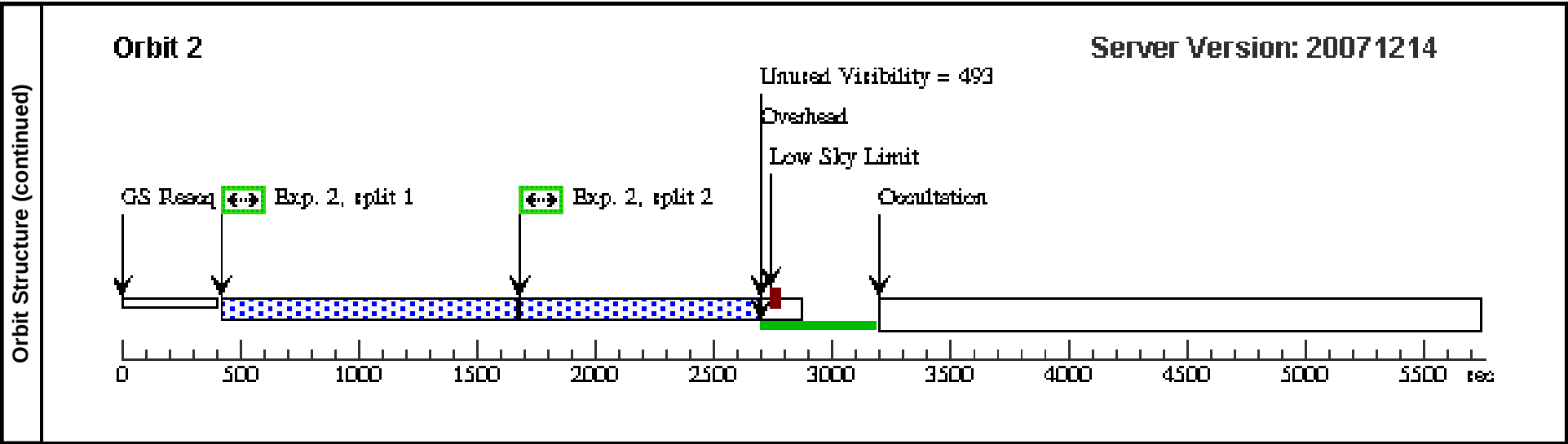


Proposal 10889 - Visit 6C - The Nature of the Halos and Thick Disks of Spiral Galaxies

Visit	Proposal 10889, Visit 6C, implementation										Thu Jan 17 20:27:04 GMT 2008
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFPC2										
	Special Requirements: SAME ORIENT AS 62										
	Comments: NGC7090 POS2 POSTARG dither 3, F814W orbit 1, F606W orbit 2										
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(62)	NGC7090-HALO-2	RA: 21 36 48.1100 (324.2004583d) Dec: -54 35 24.20 (-54.59006d) Equinox: J2000				V=11.3+/-0.1		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1		(62) NGC7090-HAL O-2	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=DEF	POS TARG 0.75,0.7 5; LOW-SKY		2000.0 Secs		
									[==>(Split 1)]	[1]	
									[==>(Split 2)]		
	2		(62) NGC7090-HAL O-2	WFPC2, IMAGE, WFALL	F606W	CR-SPLIT=DEF	SAME POS AS 1; LOW-SKY		2000.0 Secs		
									[==>(Split 1)]	[2]	
Orbit Structure	Orbit 1 Server Version: 20071214 Unused Visibility = 493 Overhead Low Sky Limit Occultation GS Acq Exp. 1, split 1 Exp. 1, split 2 05001000150020002500300035004000450050005500sec.										



Visit	Proposal 10889, Visit 6D, implementation Thu Jan 17 20:27:05 GMT 2008									
	Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: SAME ORIENT AS 62 Comments: NGC7090 POS2 POSTARG dither 4, F814W orbit 1, F606W orbit 2									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(62)	NGC7090-HALO-2	RA: 21 36 48.1100 (324.2004583d) Dec: -54 35 24.20 (-54.59006d) Equinox: J2000		V=11.3+/-0.1	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(62) NGC7090-HAL O-2	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=DEF	POS TARG 0.25,0.5; LOW-SKY		2000.0 Secs	
									[=>(Split 1)]	[1]
									[=>(Split 2)]	
	2		(62) NGC7090-HAL O-2	WFPC2, IMAGE, WFALL	F606W	CR-SPLIT=DEF	SAME POS AS 1; LOW-SKY		2000.0 Secs	
									[=>(Split 1)]	[2]
									[=>(Split 2)]	
Orbit Structure	Orbit 1 Server Version: 20071214									
	Orbit Structure diagram for Orbit 1. The timeline shows the following events: - GS Acq: Start of observation at approximately 400 seconds. - Exp. 1, split 1: Start of exposure 1, split 1 at approximately 500 seconds. - Exp. 1, split 2: Start of exposure 1, split 2 at approximately 1700 seconds. - Overhead: Start of overhead at approximately 2700 seconds. - Unused Visibility = 493: End of unused visibility at approximately 2800 seconds. - Low Sky Limit: Start of low sky limit at approximately 2800 seconds. - Occultation: Start of occultation at approximately 3200 seconds.									

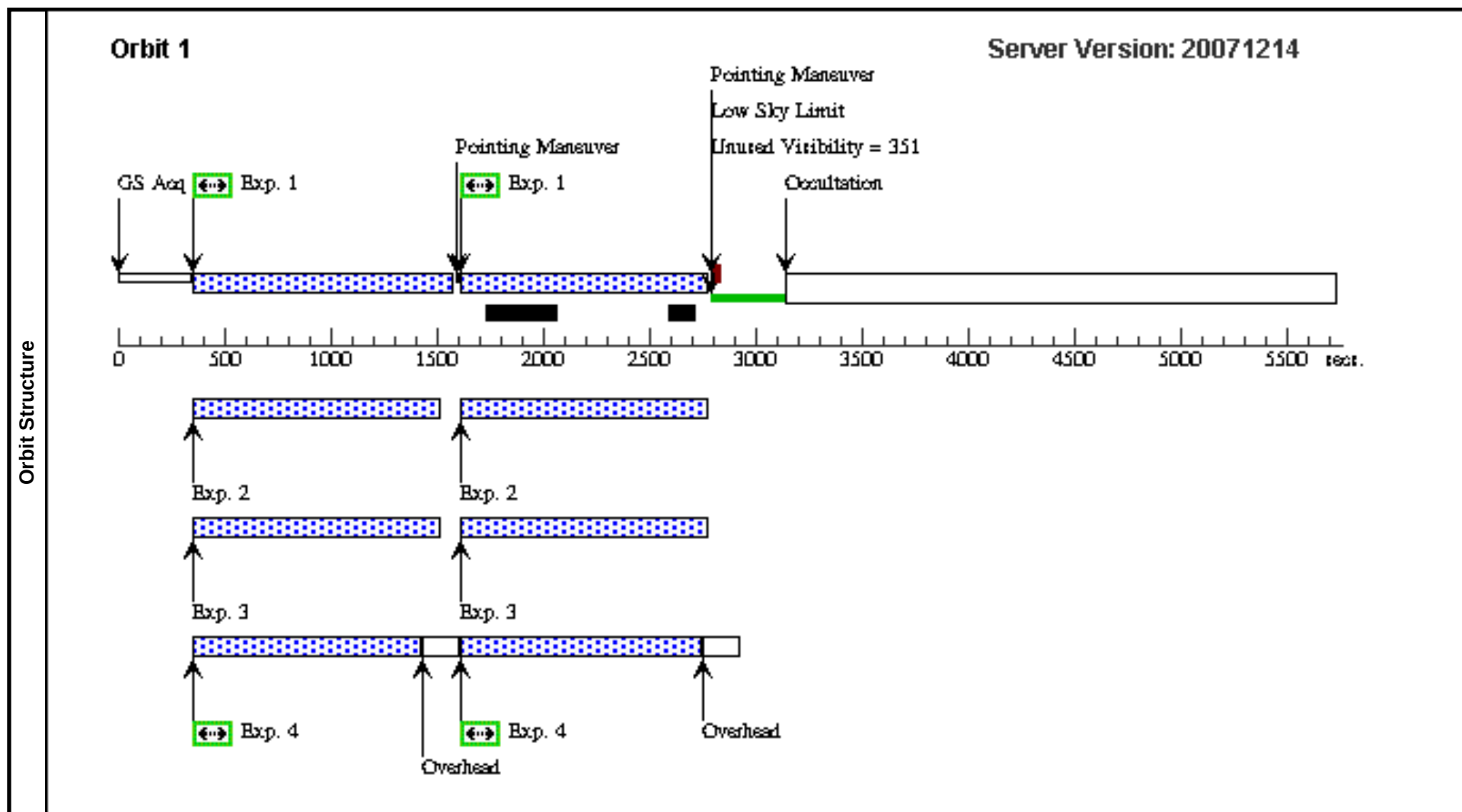


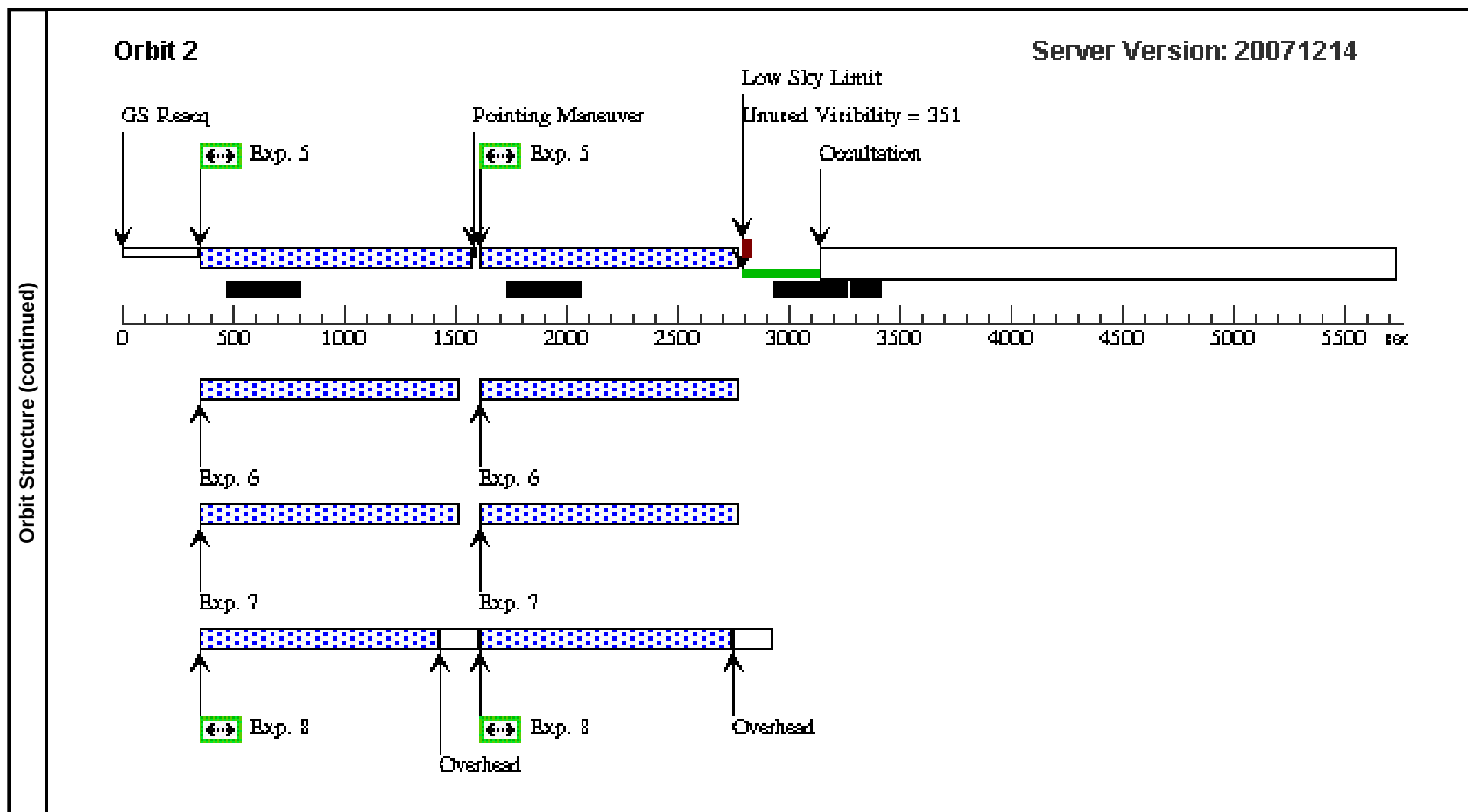
Proposal 10889 - Visit 71 - The Nature of the Halos and Thick Disks of Spiral Galaxies

Visit	Proposal 10889, Visit 71, completed										Thu Jan 17 20:27:05 GMT 2008
	Diagnostic Status: Warning										
	Scientific Instruments: ACS/WFC, NIC2, WFPC2, NIC1										
	Special Requirements: ORIENT 200.0D TO 230.0 D										
Comments: 2-point dither of 5 dither steps for NGC7819 POS1											
POSTARG sets obs rotation point at NICMOS, orient determines ACS position											
Diagnostics	(Visit 71) Warning (OP): PATTERN POSITION OUTSIDE APERTURE										
	(Visit 71) Warning (OP): PATTERN POSITION OUTSIDE APERTURE										
	(Prime + Parallel Group 1-4) Warning (Form): Only Primary NIC exposure in a Parallel group should specify CAMERA-FOCUS Optional Parameter.										
	(Primary Exposure 1 (Prime + Parallel Group 1-4) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes										
	(Prime + Parallel Group 5-8) Warning (Form): Only Primary NIC exposure in a Parallel group should specify CAMERA-FOCUS Optional Parameter.										
Patterns	(Primary Exposure 5 (Prime + Parallel Group 5-8) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes										
	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=LINE		Coordinate Frame=POS-TARG						(1-4), (5-8)	
		Purpose=DITHER		Pattern Orientation=299.38							
		Number Of Points=2		Angle Between Sides=							
Fixed Targets		Point Spacing=0.3525		Center Pattern=true							
		Line Spacing=									
	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(71)	NGC7814-HALO-1	RA: 00 03 11.4455 (.7976896d)				V=10.69+/-0.3		Reference Frame: ICRS		
			Dec: +16 08 42.57 (16.14516d)								
		Equinox: J2000									
Comments: This object was generated by the targetselector and retrieved from the NED database.											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(71) NGC7814-HAL O-1	ACS/WFC, ACCUM, WFC-FIX	F814W	CR-SPLIT=NO	POS TARG -569.46 45180506506,-97.62 870495184441; LOW-SKY	Pattern 1-4 (1) Prime + Parallel Group 1-4	1020.0 Secs [==>(Pattern 1)] [==>1035.0 Secs (Pattern 2)]		[1]
	2		ANY	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=20; CAMERA-FOCUS =1-2		Pattern 1-4 (1) Prime + Parallel Group 1-4	[==>(Pattern 1)] [==>(Pattern 2)]		[1]
	3		ANY	NIC1, MULTIACCUM, NIC1-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=20; CAMERA-FOCUS =1-2		Pattern 1-4 (1) Prime + Parallel Group 1-4	[==>(Pattern 1)] [==>(Pattern 2)]		[1]

Proposal 10889 - Visit 71 - The Nature of the Halos and Thick Disks of Spiral Galaxies

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	4		ANY	WFPC2, IMAGE, WF3	F606W	CR-SPLIT=NO		Pattern 1-4 (1) Prime + Parallel Group 1-4	900.0 Secs [==>(Pattern 1)] [==>1000.0 Secs (Pattern 2)]	[1]
	5	(71) NGC7814-HAL O-1	ACS/WFC, ACCUM, WFC-FIX	F606W	CR-SPLIT=NO	POS TARG -569.46 45180506506,-97.62 870495184441; LOW-SKY		Pattern 5-8 (1) Prime + Parallel Group 5-8	1042.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[2]
	6	ANY	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=20; CAMERA-FOCUS =1-2			Pattern 5-8 (1) Prime + Parallel Group 5-8	[==>(Pattern 1)] [==>(Pattern 2)]	[2]
	7	ANY	NIC1, MULTIACCUM, NIC1-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=20; CAMERA-FOCUS =1-2			Pattern 5-8 (1) Prime + Parallel Group 5-8	[==>(Pattern 1)] [==>(Pattern 2)]	[2]
	8	ANY	WFPC2, IMAGE, WF3	F606W	CR-SPLIT=NO			Pattern 5-8 (1) Prime + Parallel Group 5-8	900.0 Secs [==>(Pattern 1)] [==>1000.0 Secs (Pattern 2)]	[2]



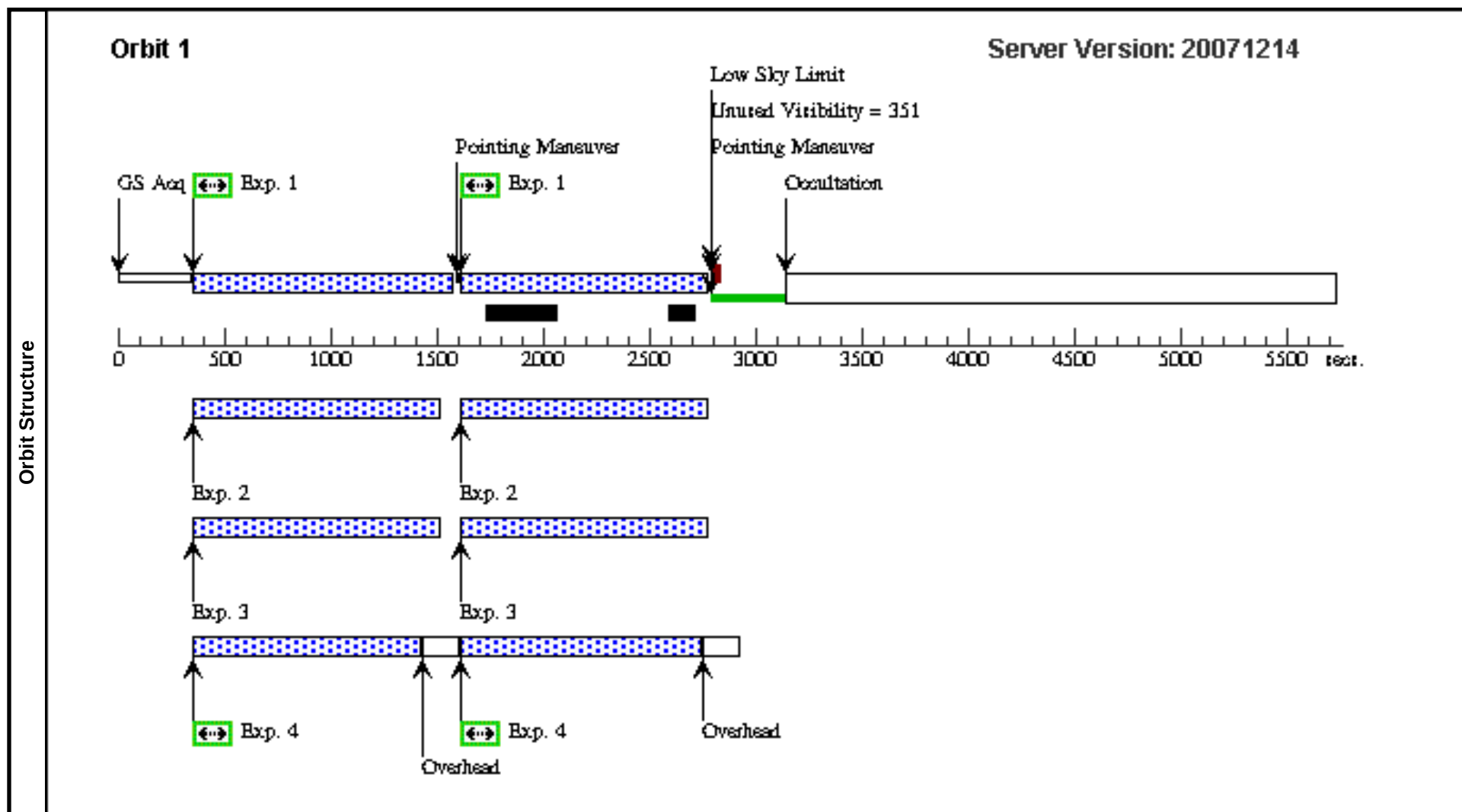


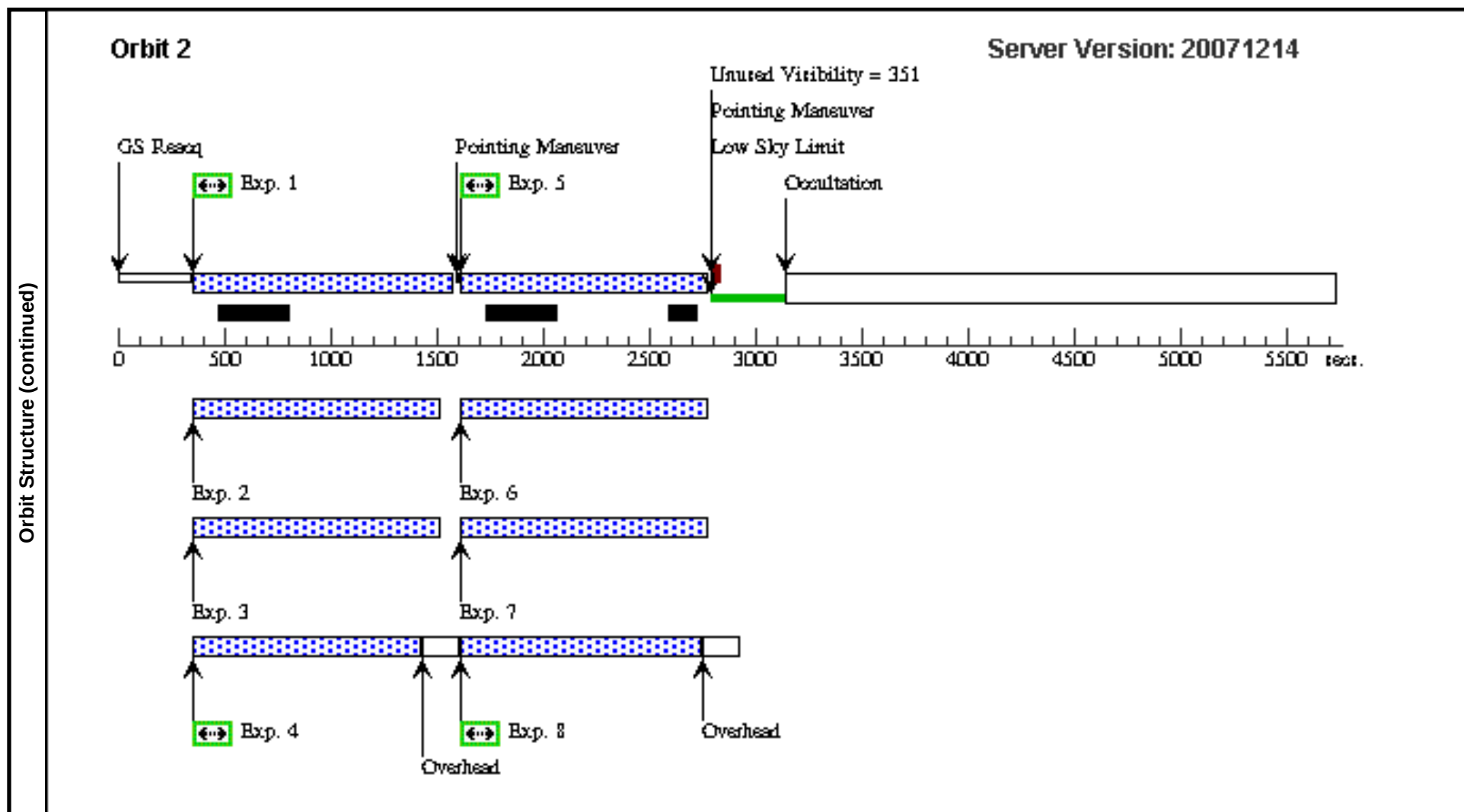
Proposal 10889 - Visit 7A - The Nature of the Halos and Thick Disks of Spiral Galaxies

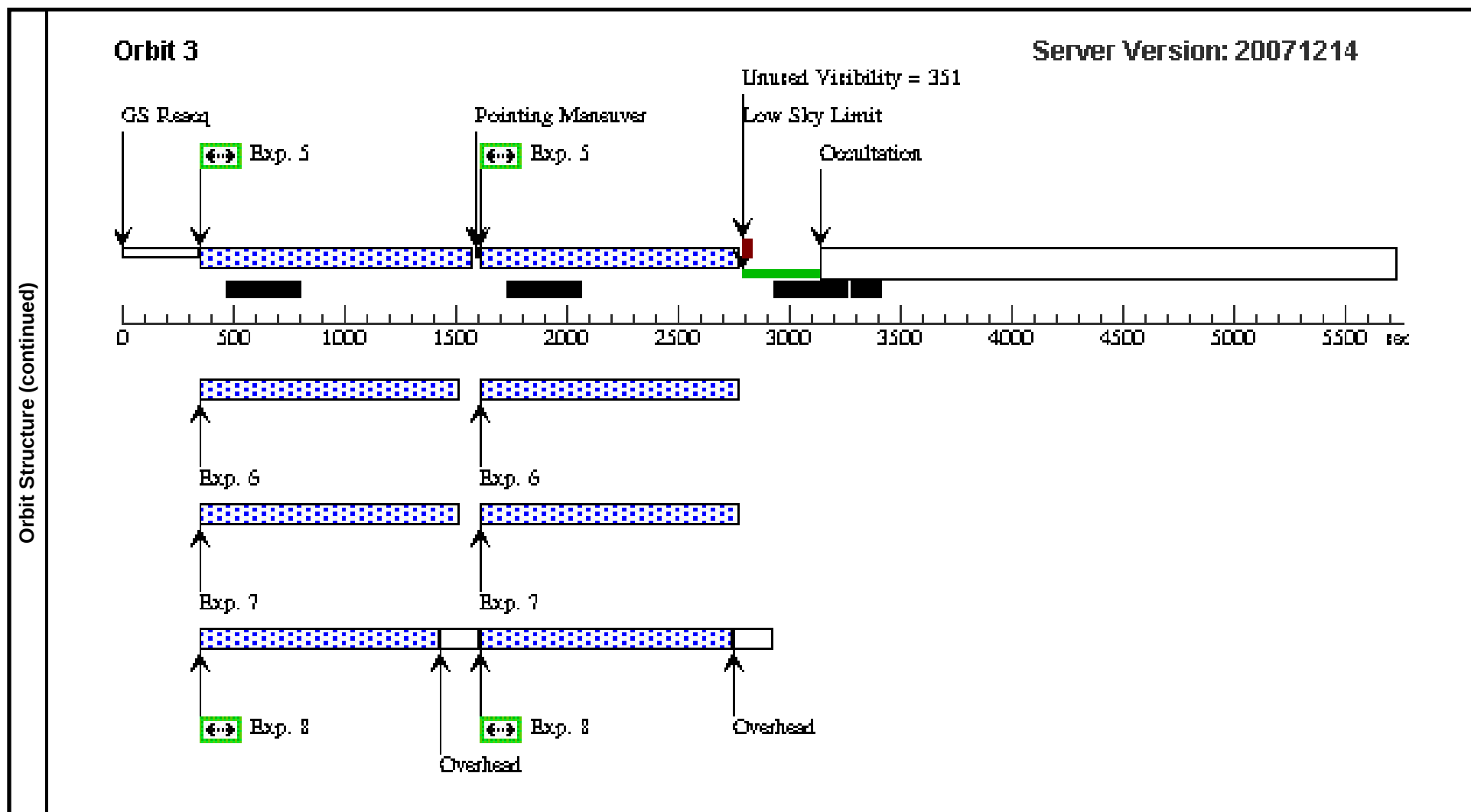
Visit	Proposal 10889, Visit 7A, completed										Thu Jan 17 20:27:05 GMT 2008
	Diagnostic Status: Warning										
	Scientific Instruments: ACS/WFC, NIC2, WFPC2, NIC1										
	Special Requirements: SAME ORIENT AS 71										
	Comments: 3-point dither of 5 dither steps for NGC7819 POS1 POSTARG sets obs rotation point at NICMOS, orient determines ACS position										
Diagnostics	(Visit 7A) Warning (OP): PATTERN POSITION OUTSIDE APERTURE										
	(Visit 7A) Warning (OP): PATTERN POSITION OUTSIDE APERTURE										
	(Prime + Parallel Group 1-4) Warning (Form): Only Primary NIC exposure in a Parallel group should specify CAMERA-FOCUS Optional Parameter.										
	(Primary Exposure 1 (Prime + Parallel Group 1-4) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes										
	(Prime + Parallel Group 5-8) Warning (Form): Only Primary NIC exposure in a Parallel group should specify CAMERA-FOCUS Optional Parameter.										
Patterns	(Primary Exposure 5 (Prime + Parallel Group 5-8) special requirements) Warning (Form): Be very careful mixing POS TARG and Center_Pattern = Yes										
	#	Primary Pattern					Secondary Pattern				Exposures
	(2)	Pattern Type=LINE		Coordinate Frame=POS-TARG							(1-4), (5-8)
		Purpose=DITHER		Pattern Orientation=41.382							
		Number Of Points=3		Angle Between Sides=							
Fixed Targets		Point Spacing=0.21949		Center Pattern=true							
		Line Spacing=									
	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(71)	NGC7814-HALO-1	RA: 00 03 11.4455 (.7976896d)				V=10.69+/-0.3		Reference Frame: ICRS		
			Dec: +16 08 42.57 (16.14516d)								
Exposures			Equinox: J2000								
		Comments: This object was generated by the targetselector and retrieved from the NED database.									
	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1		(71) NGC7814-HAL O-1	ACS/WFC, ACCUM, WFC-FIX	F814W	CR-SPLIT=NO	POS TARG -569.46 45180506506,-97.62 870495184441; LOW-SKY	Pattern 1-4 (2) Prime + Parallel Gro up 1-4	1020.0 Secs [==>(Pattern 1)] [==>1040.0 Secs (Pattern 2)] [==>1100.0 Secs (Pattern 3)]	 [1] [2]	
	2		ANY	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=20; CAMERA-FOCUS =1-2		Pattern 1-4 (2) Prime + Parallel Gro up 1-4	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	 [1] [2]	
	3		ANY	NIC1, MULTIACCUM, NIC1-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=20; CAMERA-FOCUS =1-2		Pattern 1-4 (2) Prime + Parallel Gro up 1-4	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	 [1] [2]	

Proposal 10889 - Visit 7A - The Nature of the Halos and Thick Disks of Spiral Galaxies

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	4		ANY	WFPC2, IMAGE, WF3	F606W	CR-SPLIT=NO		Pattern 1-4 (2) Prime + Parallel Group 1-4	900.0 Secs [==>(Pattern 1)] [==>1000.0 Secs (Pattern 2)] [==>(Pattern 3)]	[1] [2]
	5		(71) NGC7814-HAL O-1	ACS/WFC, ACCUM, WFC-FIX	F606W	CR-SPLIT=NO	POS TARG -569.46 45180506506,-97.62 870495184441; LOW-SKY	Pattern 5-8 (2) Prime + Parallel Group 5-8	987.0 Secs [==>(Pattern 1)] [==>1100.0 Secs (Pattern 2)] [==>1040.0 Secs (Pattern 3)]	[2] [3]
	6		ANY	NIC2, MULTIACCUM, NIC2-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=20; CAMERA-FOCUS =1-2		Pattern 5-8 (2) Prime + Parallel Group 5-8	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[2] [3]
	7		ANY	NIC1, MULTIACCUM, NIC1-FIX	F160W	SAMP-SEQ=SPARS 64; NSAMP=20; CAMERA-FOCUS =1-2		Pattern 5-8 (2) Prime + Parallel Group 5-8	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[2] [3]
	8		ANY	WFPC2, IMAGE, WF3	F606W	CR-SPLIT=NO		Pattern 5-8 (2) Prime + Parallel Group 5-8	900.0 Secs [==>1000.0 Secs (Pattern 1)] [==>(Pattern 2)] [==>1000.0 Secs (Pattern 3)]	[2] [3]

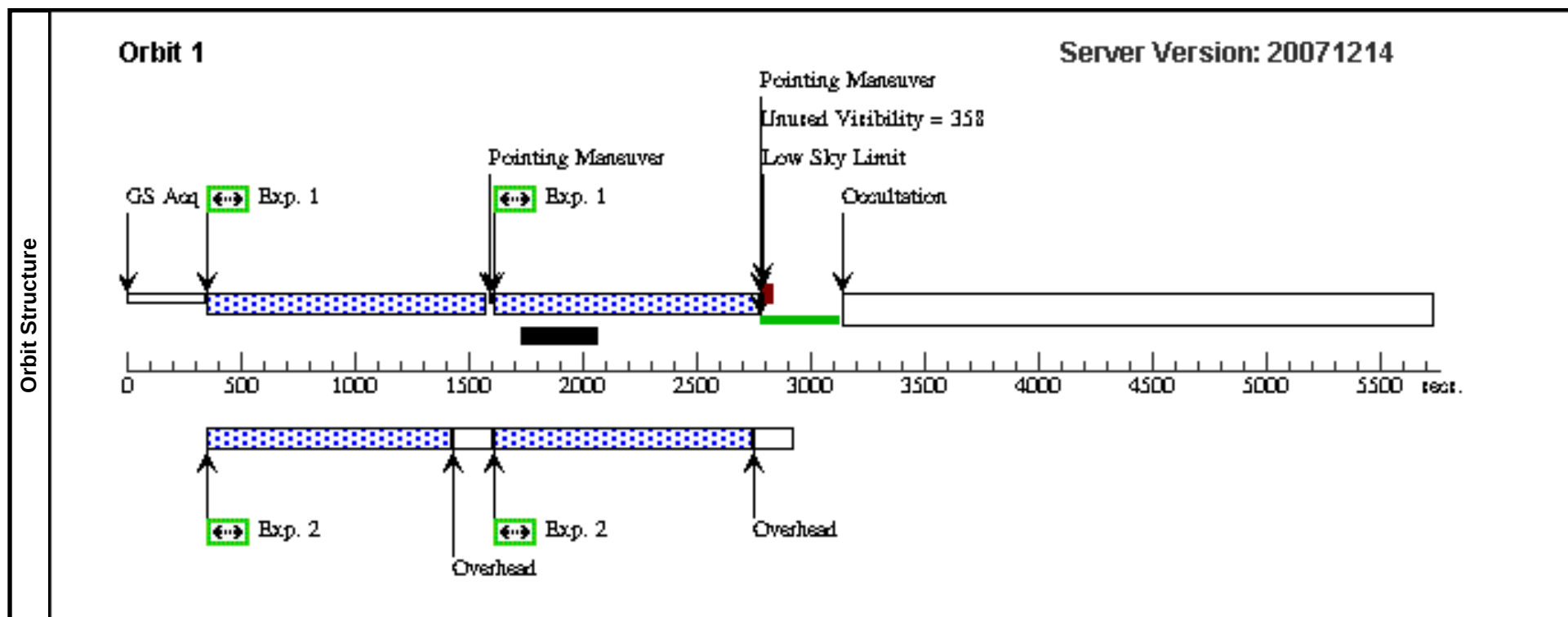


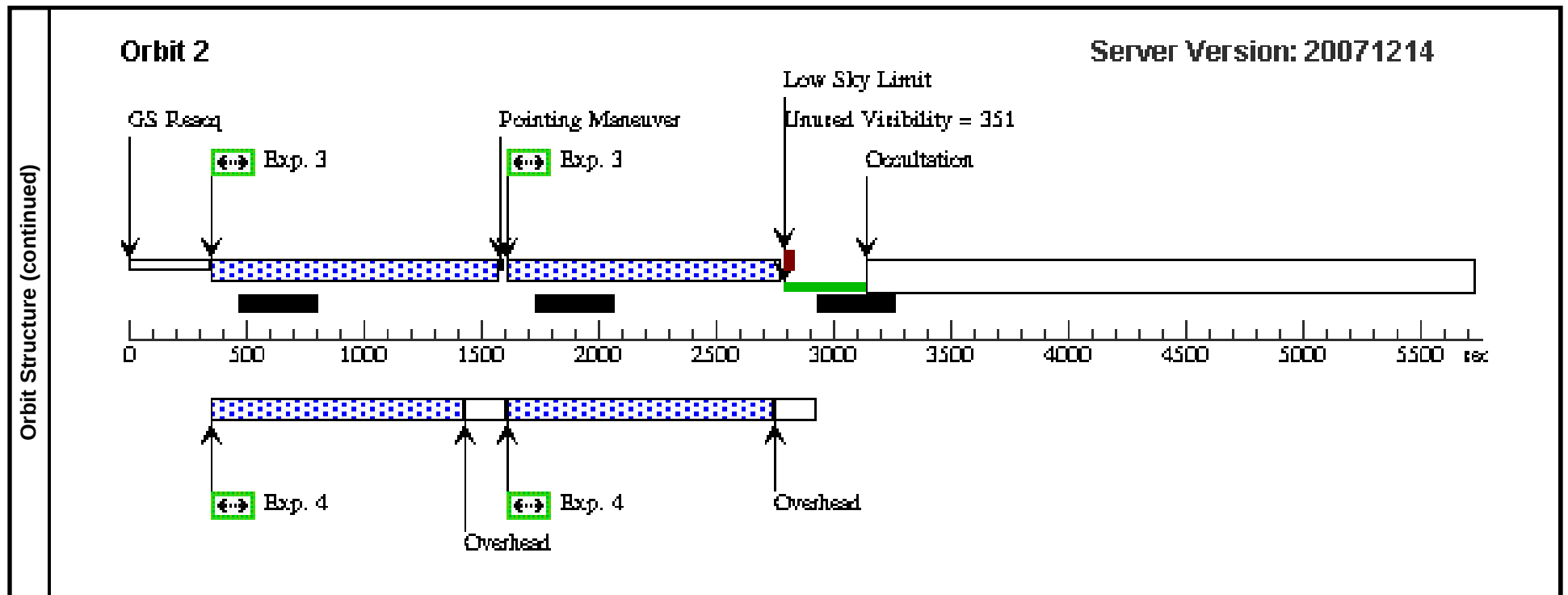




Proposal 10889 - Visit 72 - The Nature of the Halos and Thick Disks of Spiral Galaxies

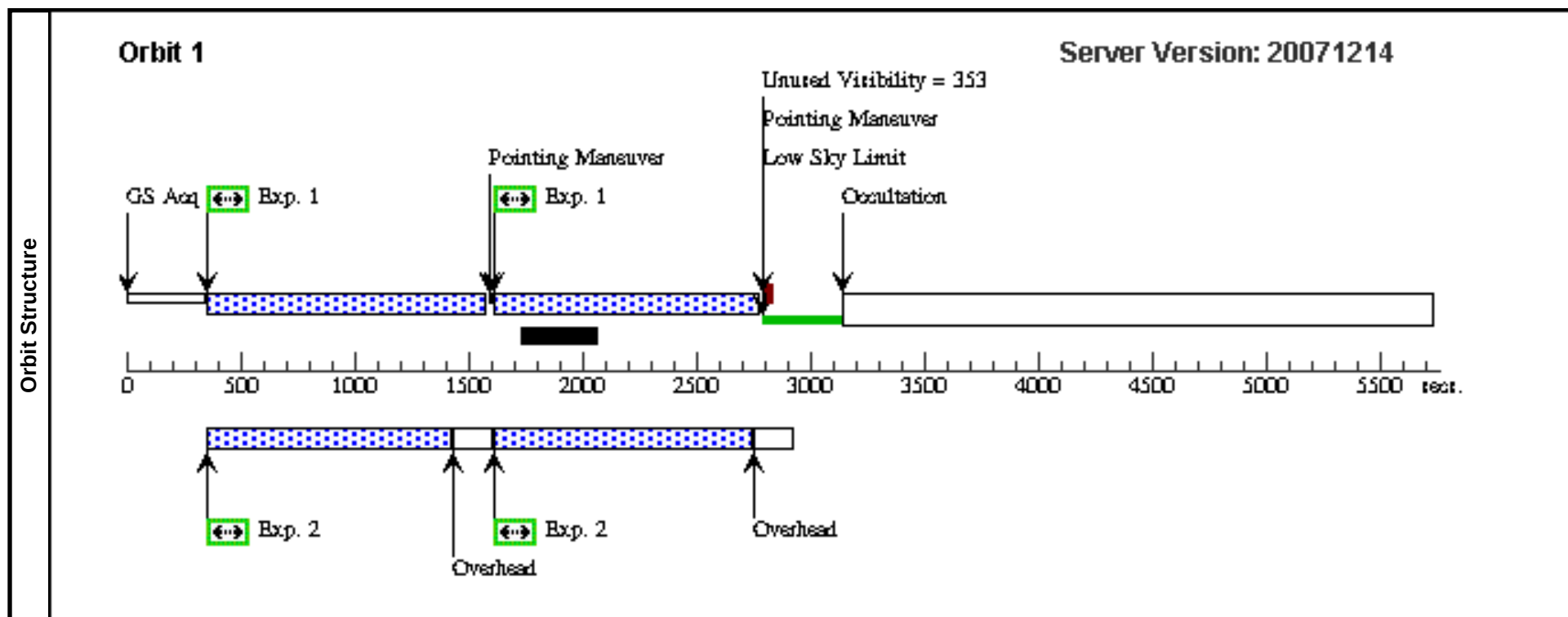
Visit	Proposal 10889, Visit 72, completed				Thu Jan 17 20:27:06 GMT 2008					
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: ACS/WFC, WFPC2									
	Special Requirements: (none)									
	Comments: 2-point dither of 5 dither steps for NGC7819 POS2									
Patterns	#	Primary Pattern			Secondary Pattern			Exposures		
	(1)	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.3525 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=299.38 Angle Between Sides= Center Pattern=true				(1-2), (3-4)			
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes		Miscellaneous			
	(72)	NGC7814-HALO-2	RA: 00 03 24.3081 (.8512838d) Dec: +16 05 58.09 (16.09947d) Equinox: J2000		V=10.69+/-0.3		Reference Frame: ICRS			
	Comments: This object was generated by the targetselector and retrieved from the NED database.									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(72) NGC7814-HAL O-2	ACS/WFC, ACCUM, WFCENTER	F814W	CR-SPLIT=NO	LOW-SKY	Pattern 1-2 (1) Prime + Parallel Gro up 1-2	1020.0 Secs [==>(Pattern 1)] [==>1035.0 Secs (Pattern 2)]	[1]
	2		ANY	WFPC2, IMAGE, WF3	F606W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Gro up 1-2	900.0 Secs [==>(Pattern 1)] [==>1000.0 Secs (Pattern 2)]	[1]
	3		(72) NGC7814-HAL O-2	ACS/WFC, ACCUM, WFCENTER	F606W	CR-SPLIT=NO	LOW-SKY	Pattern 3-4 (1) Prime + Parallel Gro up 3-4	1042.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[2]
	4		ANY	WFPC2, IMAGE, WF3	F606W	CR-SPLIT=NO		Pattern 3-4 (1) Prime + Parallel Gro up 3-4	900.0 Secs [==>(Pattern 1)] [==>1000.0 Secs (Pattern 2)]	[2]

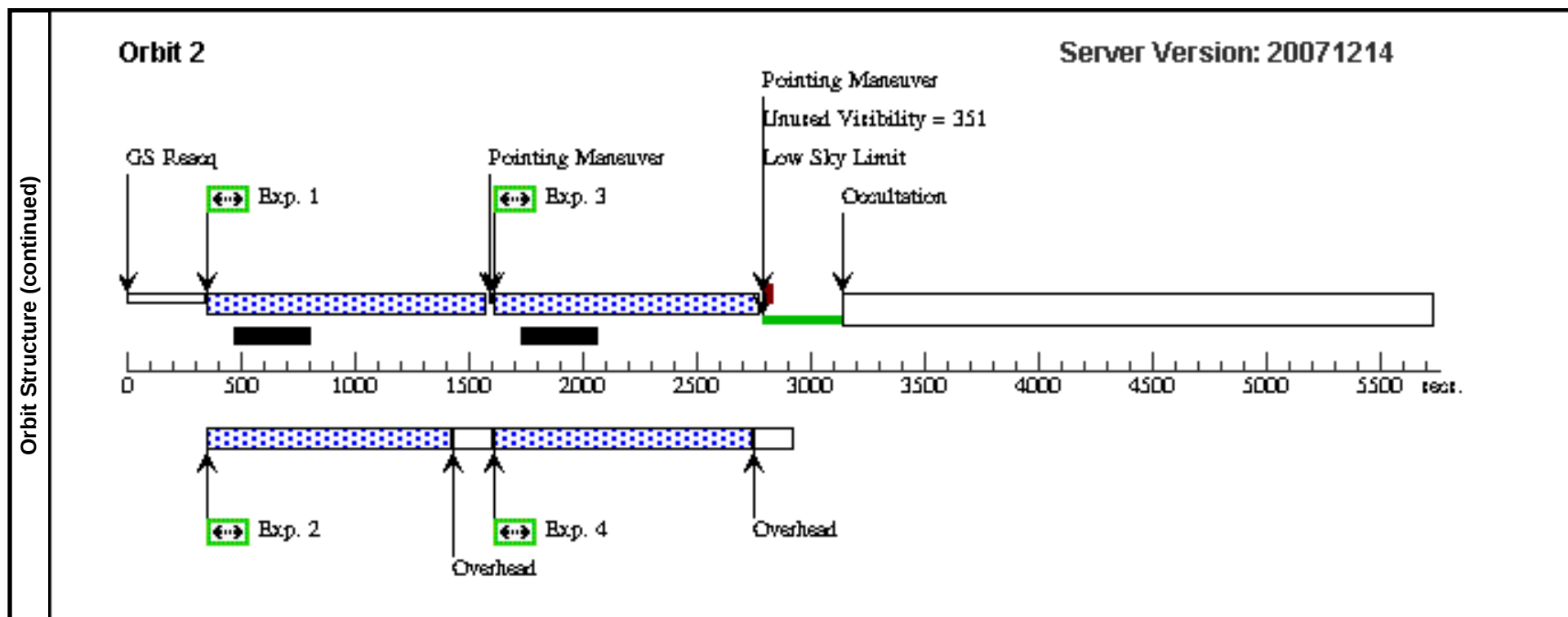


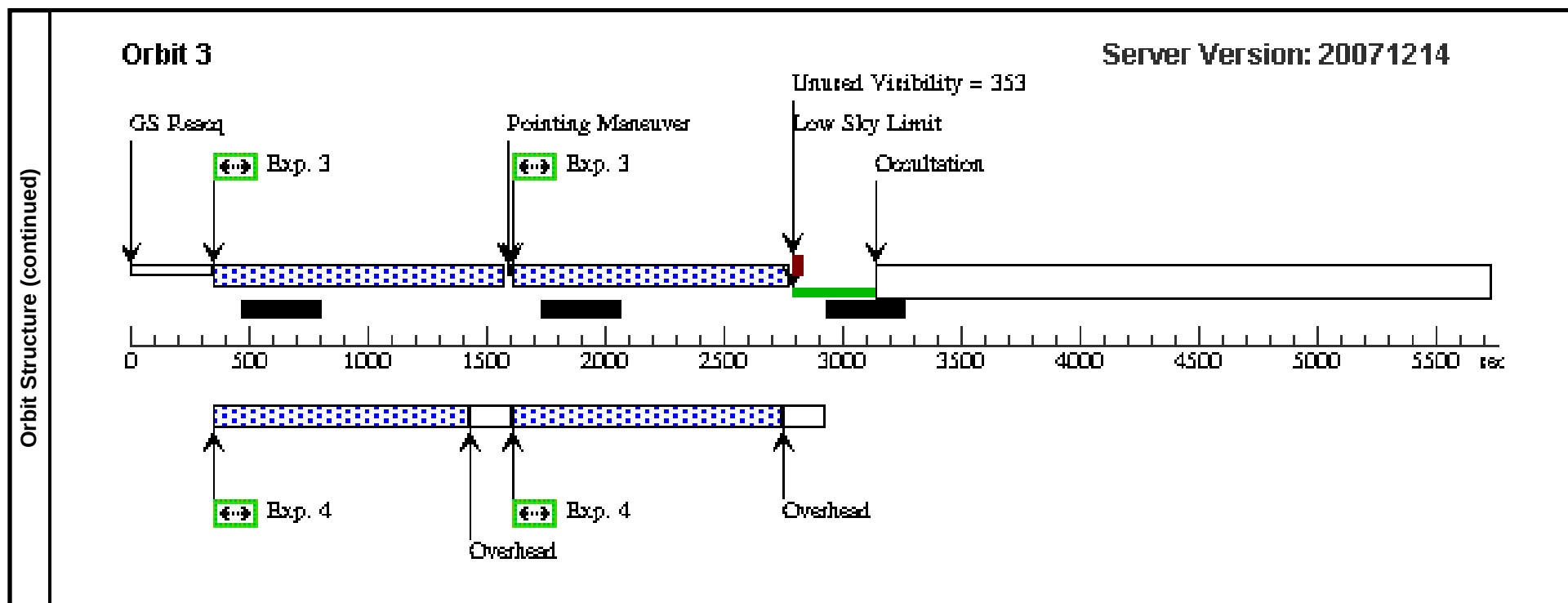


Proposal 10889 - Visit 7B - The Nature of the Halos and Thick Disks of Spiral Galaxies

Visit	Proposal 10889, Visit 7B, completed										Thu Jan 17 20:27:06 GMT 2008
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: ACS/WFC, WFPC2										
	Special Requirements: SAME ORIENT AS 72										
	Comments: 3-point dither of 5 dither steps for NGC7819 POS2										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(2)	Pattern Type=LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.21949 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.382 Angle Between Sides= Center Pattern=true						(1-2), (3-4)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(72)	NGC7814-HALO-2	RA: 00 03 24.3081 (.8512838d) Dec: +16 05 58.09 (16.09947d) Equinox: J2000				V=10.69+/-0.3		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the NED database.										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(72) NGC7814-HAL O-2	ACS/WFC, ACCUM, WFCENTER	F814W	CR-SPLIT=NO	LOW-SKY	Pattern 1-2 (2) Prime + Parallel Group 1-2	1020.0 Secs		
									[==>(Pattern 1)]	[1]	
									[==>1040.0 Secs (Pattern 2)]		
	2	ANY	WFPC2, IMAGE, WF3	F606W	CR-SPLIT=NO		Pattern 1-2 (2) Prime + Parallel Group 1-2	[==>1100.0 Secs (Pattern 3)]	[2]		
								900.0 Secs			
								[==>(Pattern 1)]	[1]		
	3	(72) NGC7814-HAL O-2	ACS/WFC, ACCUM, WFCENTER	F606W	CR-SPLIT=NO	LOW-SKY	Pattern 3-4 (2) Prime + Parallel Group 3-4	[==>1000.0 Secs (Pattern 2)]			
								[==>(Pattern 3)]	[2]		
								987.0 Secs			
4	ANY	WFPC2, IMAGE, WF3	F606W	CR-SPLIT=NO		Pattern 3-4 (2) Prime + Parallel Group 3-4	[==>1100.0 Secs (Pattern 2)]	[3]			
							[==>1040.0 Secs (Pattern 3)]				
							900.0 Secs				
								[==>1000.0 Secs (Pattern 1)]	[2]		
								[==>(Pattern 2)]			
								[==>1000.0 Secs (Pattern 3)]	[3]		

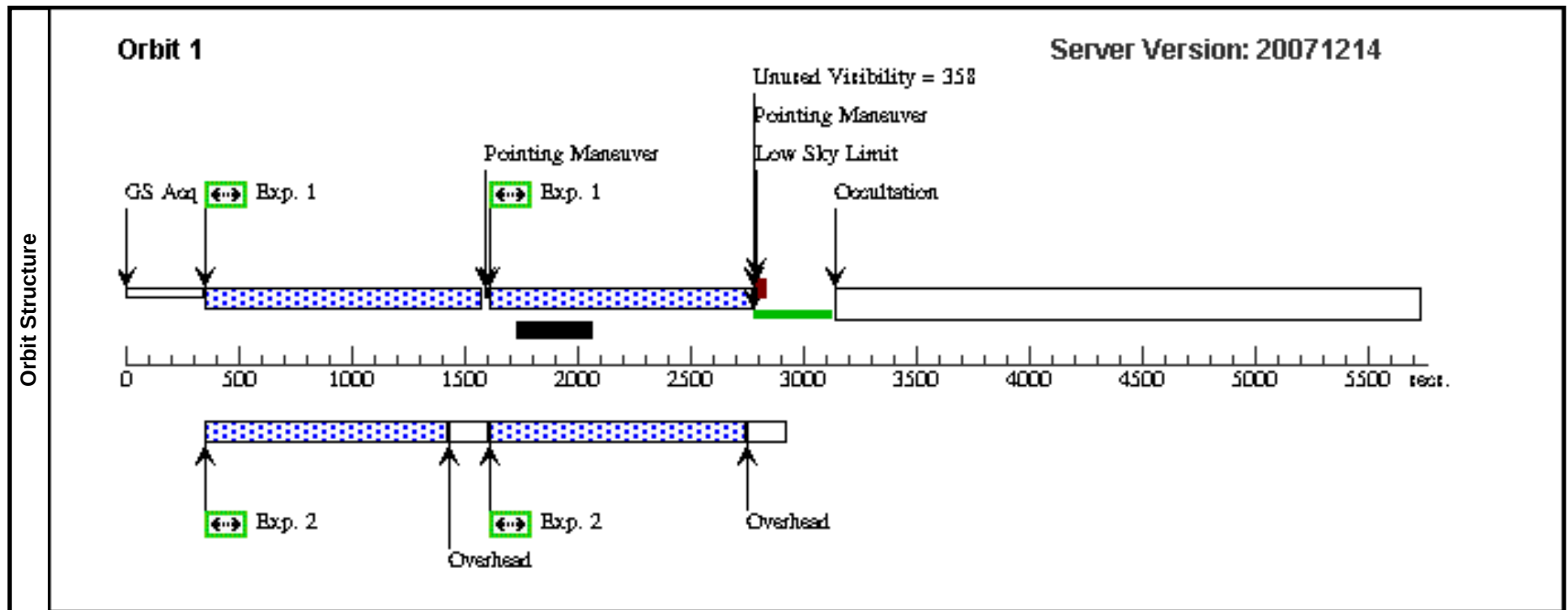


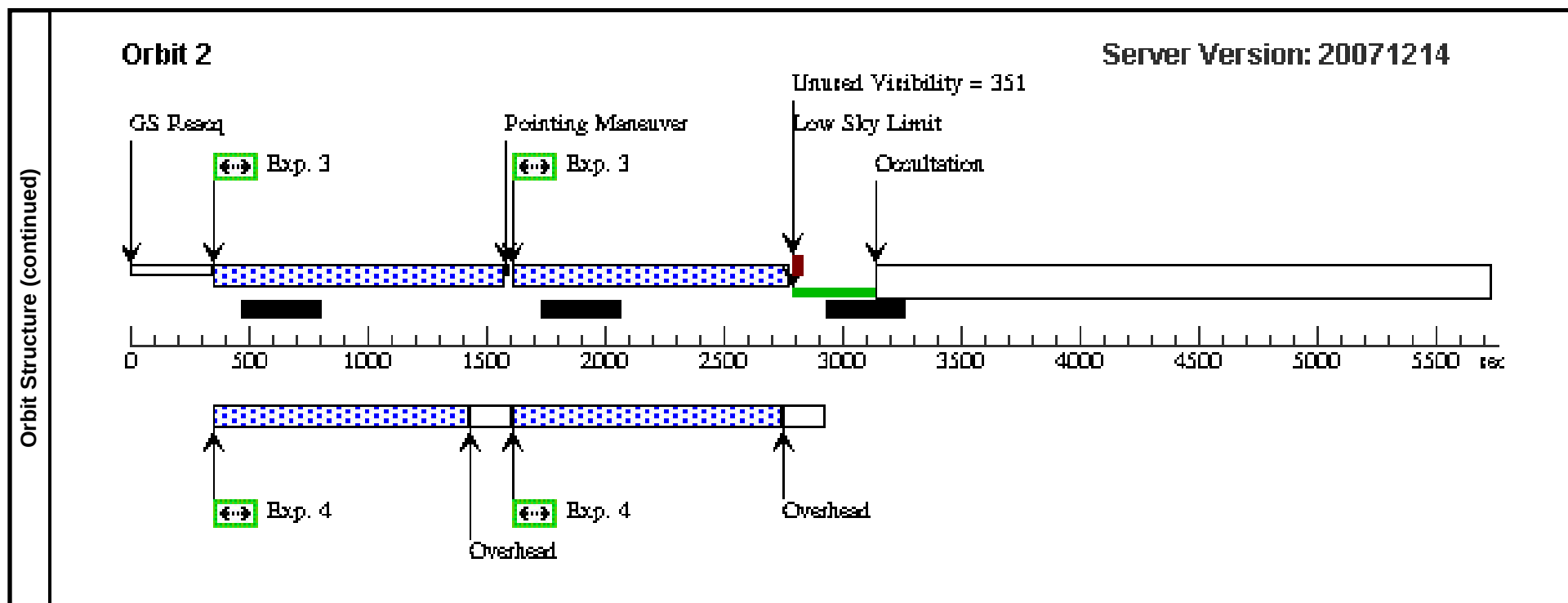




Proposal 10889 - Visit 73 - The Nature of the Halos and Thick Disks of Spiral Galaxies

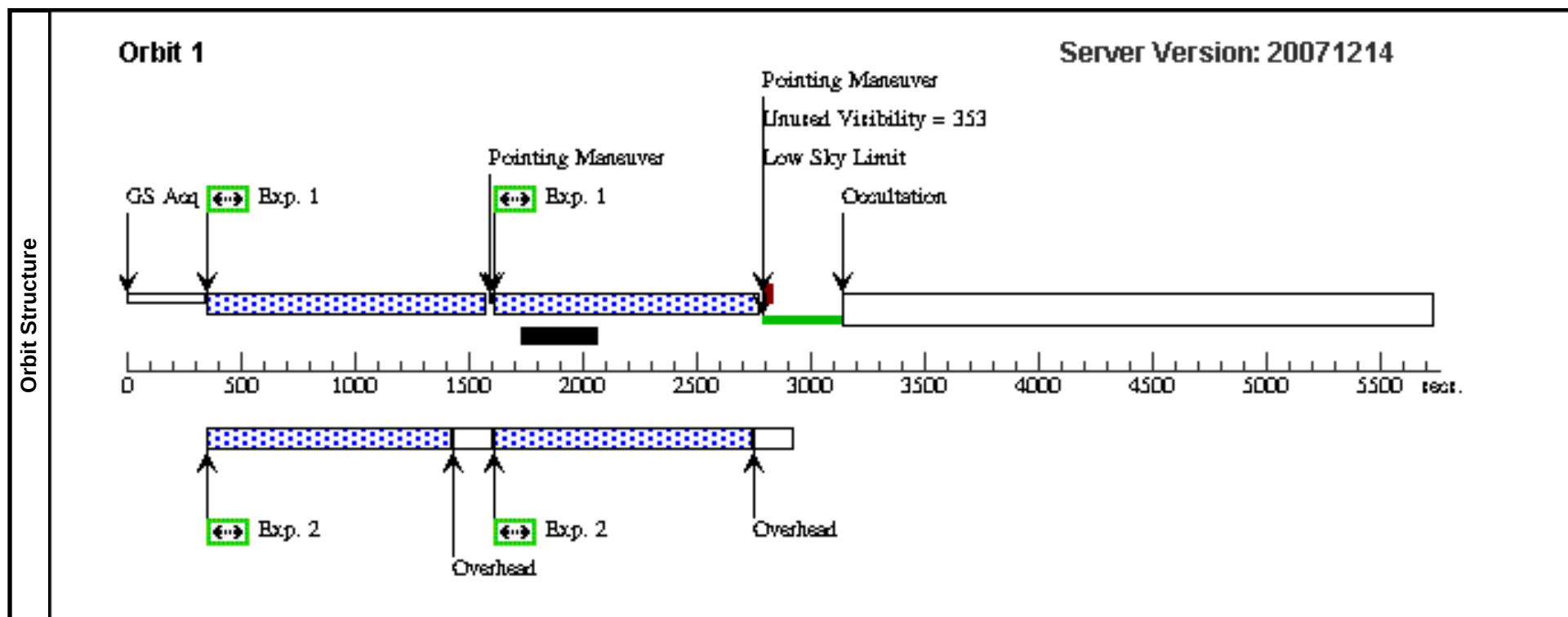
Visit	Proposal 10889, Visit 73, completed										Thu Jan 17 20:27:07 GMT 2008
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: ACS/WFC, WFPC2										
	Special Requirements: (none)										
	Comments: 2-point dither of 5 dither steps for NGC7819 POS3										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.3525 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=299.38 Angle Between Sides= Center Pattern=true						(1-2), (3-4)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(73)	NGC7814-HALO-3	RA: 00 03 12.4128 (.8017200d) Dec: +16 07 34.99 (16.12639d) Equinox: J2000				V=10.69+/-0.3		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the NED database.										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(73) NGC7814-HAL O-3	ACS/WFC, ACCUM, WFCENTER	F814W	CR-SPLIT=NO	LOW-SKY	Pattern 1-2 (1) Prime + Parallel Gro up 1-2	1020.0 Secs [==>(Pattern 1)] [==>1035.0 Secs (Pattern 2)]		[1]
	2		ANY	WFPC2, IMAGE, WF3	F606W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Gro up 1-2	900.0 Secs [==>(Pattern 1)] [==>1000.0 Secs (Pattern 2)]		[1]
	3		(73) NGC7814-HAL O-3	ACS/WFC, ACCUM, WFCENTER	F606W	CR-SPLIT=NO	LOW-SKY	Pattern 3-4 (1) Prime + Parallel Gro up 3-4	1042.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]		[2]
	4		ANY	WFPC2, IMAGE, WF3	F606W	CR-SPLIT=NO		Pattern 3-4 (1) Prime + Parallel Gro up 3-4	900.0 Secs [==>(Pattern 1)] [==>1000.0 Secs (Pattern 2)]		[2]

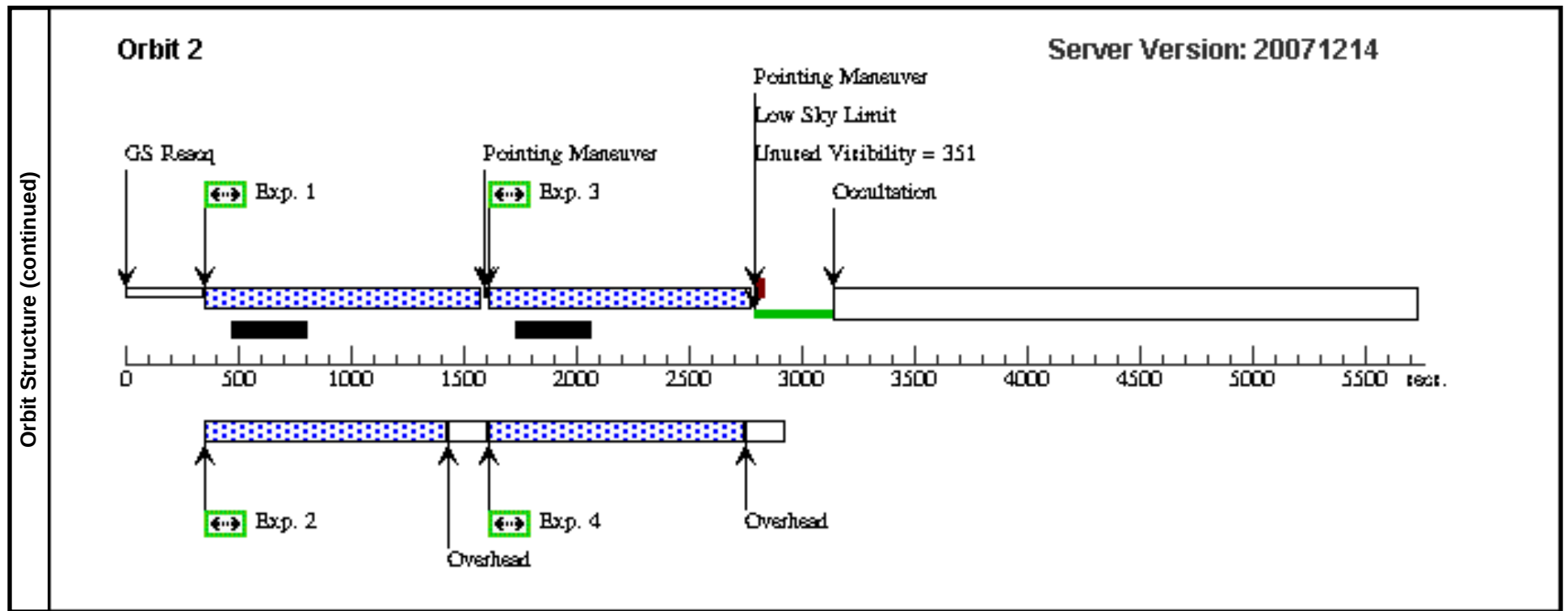


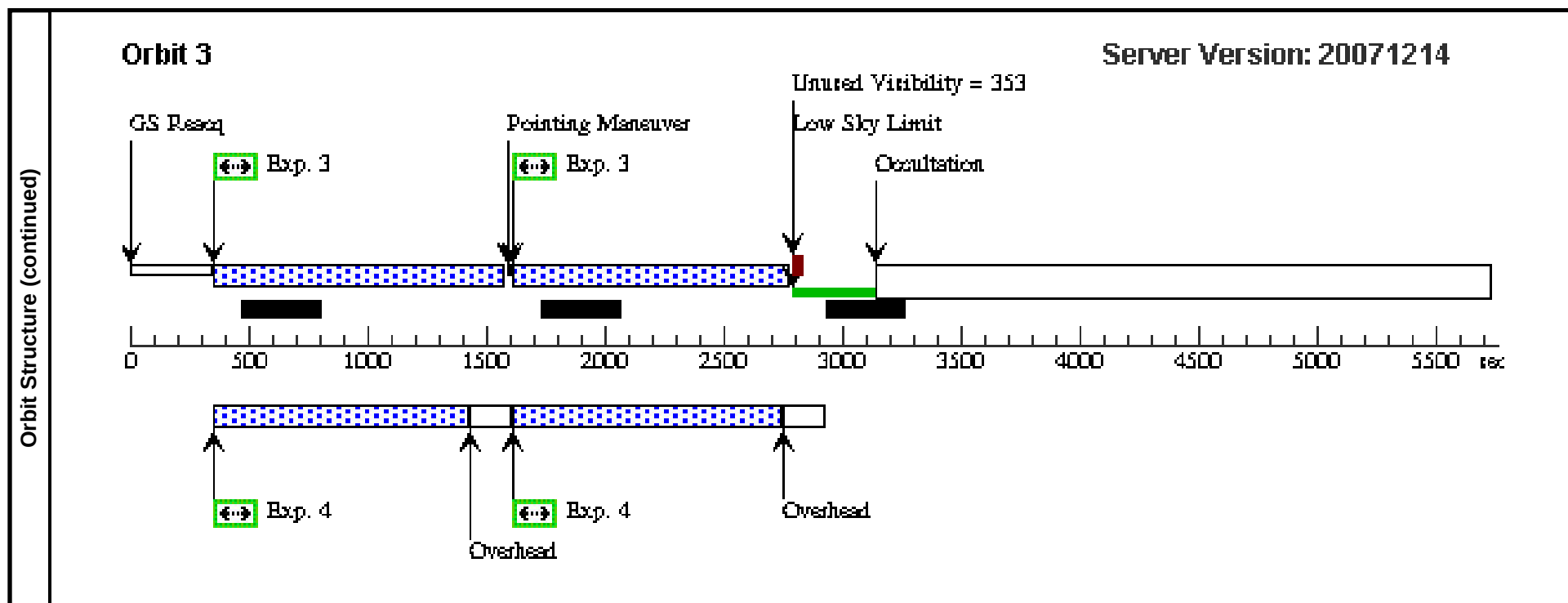


Proposal 10889 - Visit 7C - The Nature of the Halos and Thick Disks of Spiral Galaxies

Visit	Proposal 10889, Visit 7C, completed										Thu Jan 17 20:27:07 GMT 2008
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: ACS/WFC, WFPC2										
	Special Requirements: SAME ORIENT AS 73										
	Comments: 3-point dither of 5 dither steps for NGC7819 POS3										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(2)	Pattern Type=LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.21949 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.382 Angle Between Sides= Center Pattern=true						(1-2), (3-4)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(73)	NGC7814-HALO-3	RA: 00 03 12.4128 (.8017200d) Dec: +16 07 34.99 (16.12639d) Equinox: J2000				V=10.69+/-0.3		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the NED database.										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(73) NGC7814-HAL O-3	ACS/WFC, ACCUM, WFCENTER	F814W	CR-SPLIT=NO	LOW-SKY	Pattern 1-2 (2) Prime + Parallel Gro up 1-2	1020.0 Secs		
									[==>(Pattern 1)]	[1]	
									[==>1040.0 Secs (Pattern 2)]		
	2	ANY	WFPC2, IMAGE, WF3	F606W	CR-SPLIT=NO		Pattern 1-2 (2) Prime + Parallel Gro up 1-2	[==>1100.0 Secs (Pattern 3)]	[2]		
								900.0 Secs			
								[==>(Pattern 1)]	[1]		
	3	(73) NGC7814-HAL O-3	ACS/WFC, ACCUM, WFCENTER	F606W	CR-SPLIT=NO	LOW-SKY	Pattern 3-4 (2) Prime + Parallel Gro up 3-4	[==>1000.0 Secs (Pattern 2)]			
								[==>(Pattern 3)]	[2]		
								987.0 Secs			
	4	ANY	WFPC2, IMAGE, WF3	F606W	CR-SPLIT=NO		Pattern 3-4 (2) Prime + Parallel Gro up 3-4	[==>1100.0 Secs (Pattern 2)]	[3]		
								[==>1040.0 Secs (Pattern 3)]			
								900.0 Secs			
								[==>1000.0 Secs (Pattern 1)]	[2]		
								[==>(Pattern 2)]			
								[==>1000.0 Secs (Pattern 3)]	[3]		

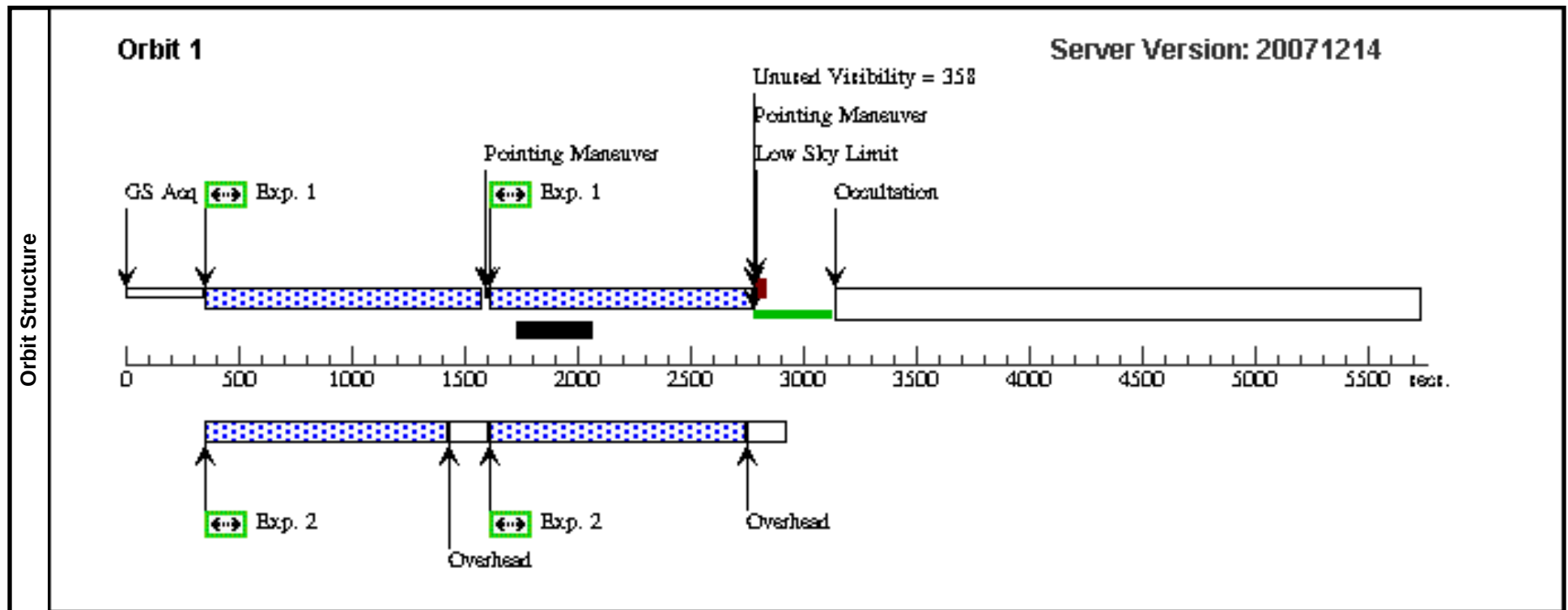


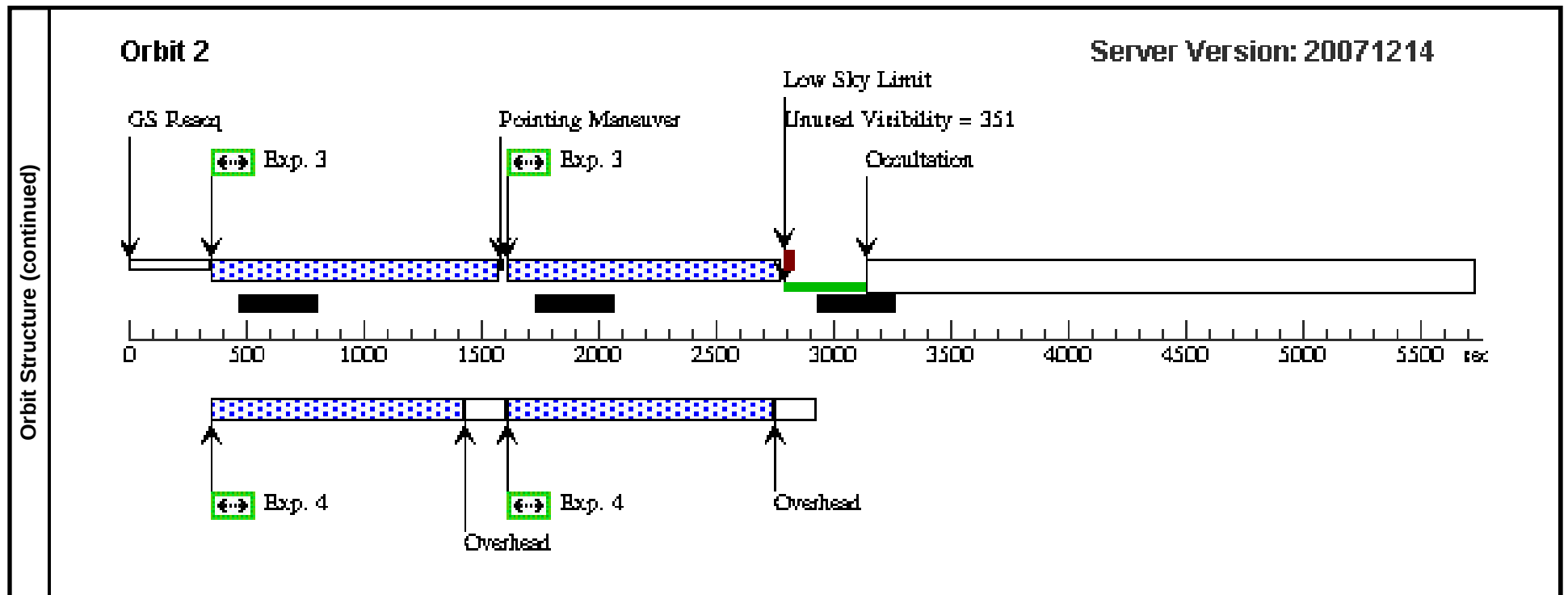




Proposal 10889 - Visit 74 - The Nature of the Halos and Thick Disks of Spiral Galaxies

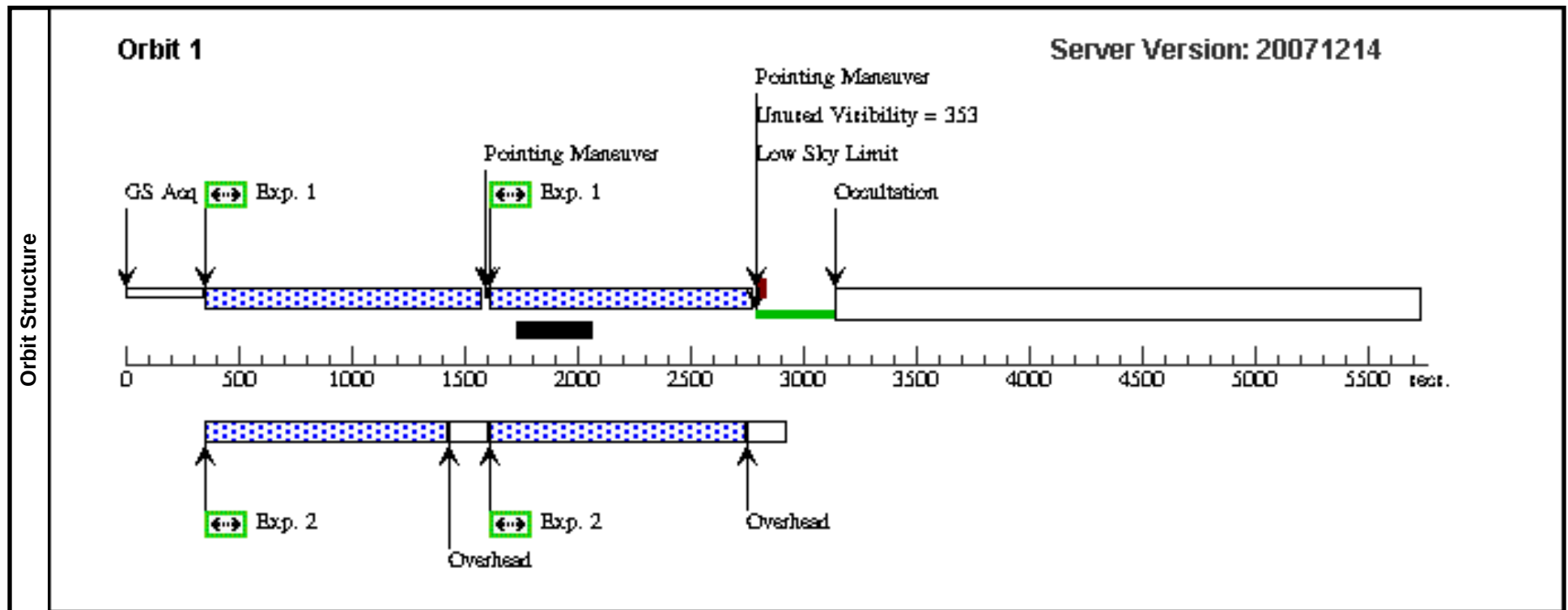
Visit	Proposal 10889, Visit 74, completed				Thu Jan 17 20:27:08 GMT 2008					
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: ACS/WFC, WFPC2									
	Special Requirements: (none)									
	Comments: 2-point dither of 5 dither steps for NGC7819 POS4									
Patterns	#	Primary Pattern			Secondary Pattern			Exposures		
	(1)	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.3525 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=299.38 Angle Between Sides= Center Pattern=true		(1-2), (3-4)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(74)	NGC7814-HALO-4	RA: 00 02 59.2382 (.7468258d) Dec: +16 04 11.75 (16.06993d) Equinox: J2000			V=10.69+/-0.3		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the NED database.									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(74) NGC7814-HAL O-4	ACS/WFC, ACCUM, WFCENTER	F814W	CR-SPLIT=NO	LOW-SKY	Pattern 1-2 (1) Prime + Parallel Gro up 1-2	1020.0 Secs [==>(Pattern 1)] [==>1035.0 Secs (Pattern 2)]	[1]
	2		ANY	WFPC2, IMAGE, WF3	F606W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Gro up 1-2	900.0 Secs [==>(Pattern 1)] [==>1000.0 Secs (Pattern 2)]	[1]
	3		(74) NGC7814-HAL O-4	ACS/WFC, ACCUM, WFCENTER	F606W	CR-SPLIT=NO	LOW-SKY	Pattern 3-4 (1) Prime + Parallel Gro up 3-4	1042.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[2]
	4		ANY	WFPC2, IMAGE, WF3	F606W	CR-SPLIT=NO		Pattern 3-4 (1) Prime + Parallel Gro up 3-4	900.0 Secs [==>(Pattern 1)] [==>1000.0 Secs (Pattern 2)]	[2]

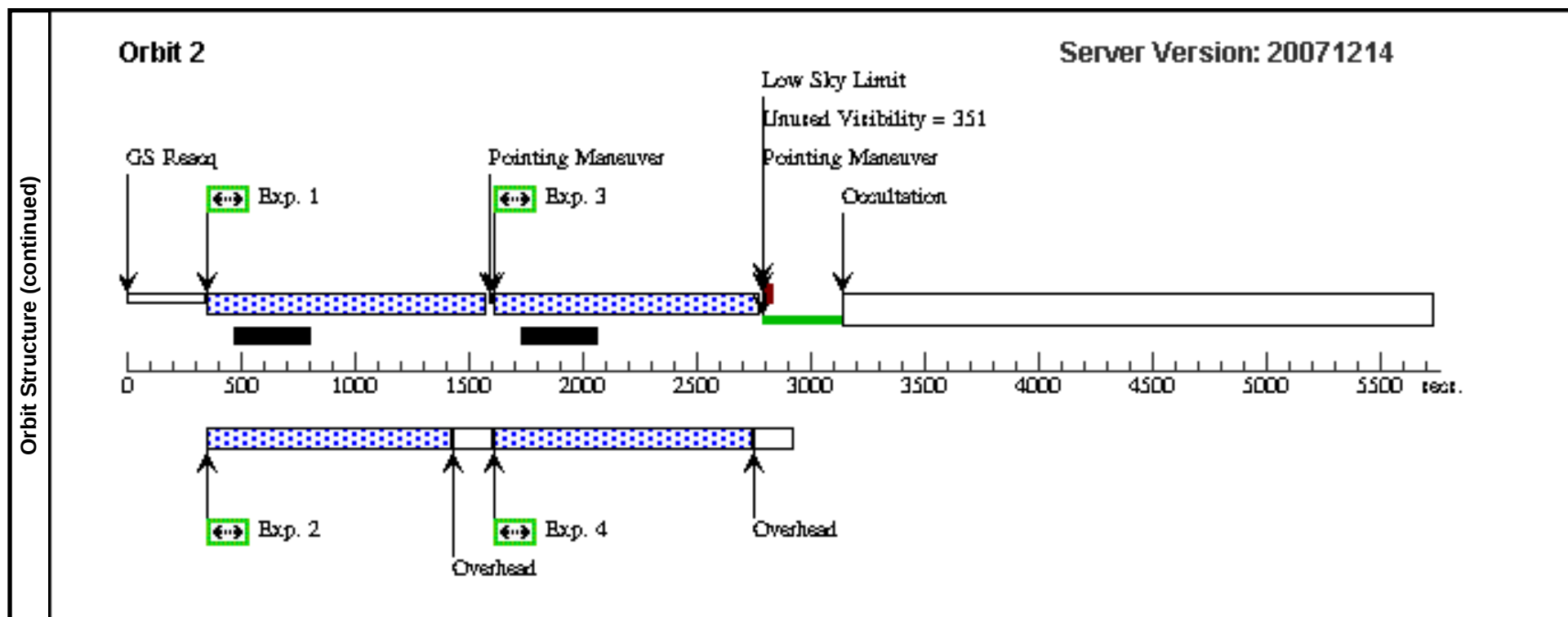


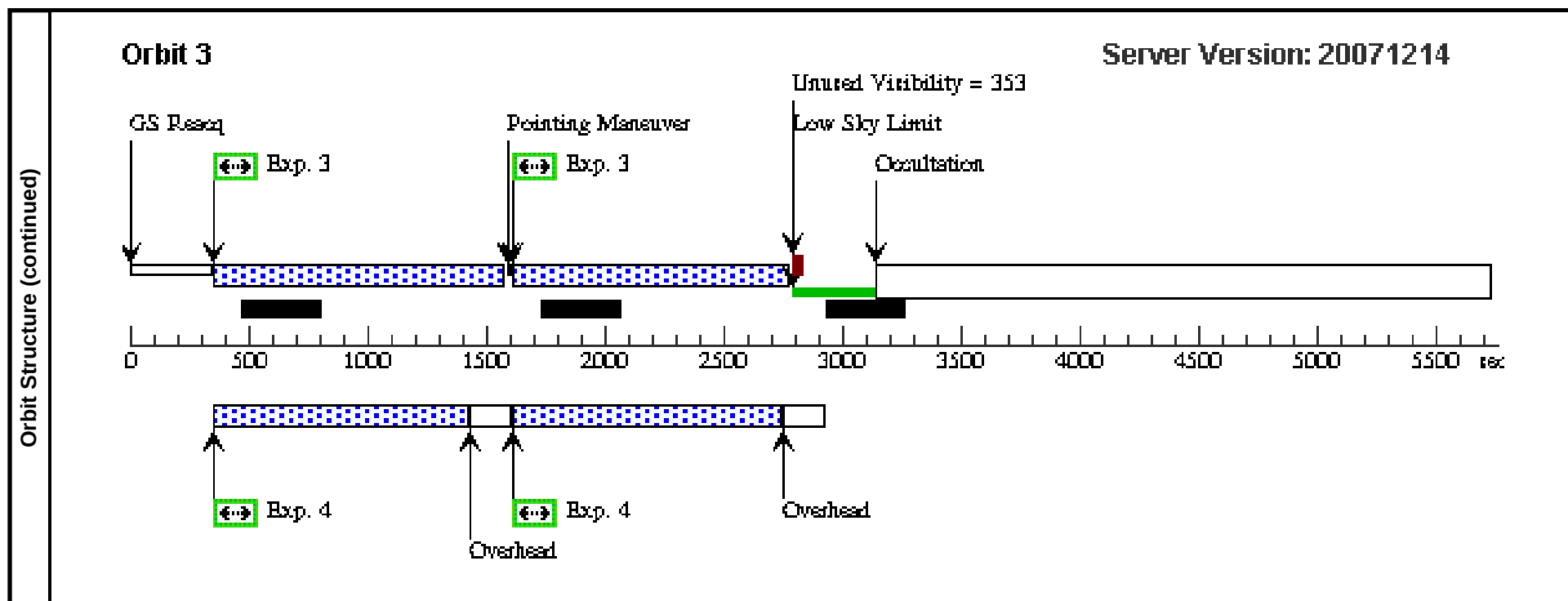


Proposal 10889 - Visit 7D - The Nature of the Halos and Thick Disks of Spiral Galaxies

Visit	Proposal 10889, Visit 7D, completed										Thu Jan 17 20:27:08 GMT 2008
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: ACS/WFC, WFPC2										
	Special Requirements: SAME ORIENT AS 74										
	Comments: 3-point dither of 5 dither steps for NGC7819 POS4										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(2)	Pattern Type=LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.21949 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.382 Angle Between Sides= Center Pattern=true						(1-2), (3-4)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(74)	NGC7814-HALO-4	RA: 00 02 59.2382 (.7468258d) Dec: +16 04 11.75 (16.06993d) Equinox: J2000				V=10.69+/-0.3		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the NED database.										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(74) NGC7814-HAL O-4	ACS/WFC, ACCUM, WFCENTER	F814W	CR-SPLIT=NO	LOW-SKY	Pattern 1-2 (2) Prime + Parallel Gro up 1-2	1020.0 Secs		
									[==>(Pattern 1)]	[1]	
									[==>1040.0 Secs (Pattern 2)]		
	2	ANY	WFPC2, IMAGE, WF3	F606W	CR-SPLIT=NO		Pattern 1-2 (2) Prime + Parallel Gro up 1-2	[==>1100.0 Secs (Pattern 3)]	[2]		
								900.0 Secs			
								[==>(Pattern 1)]	[1]		
	3	(74) NGC7814-HAL O-4	ACS/WFC, ACCUM, WFCENTER	F606W	CR-SPLIT=NO	LOW-SKY	Pattern 3-4 (2) Prime + Parallel Gro up 3-4	[==>1000.0 Secs (Pattern 2)]			
								[==>(Pattern 3)]	[2]		
								987.0 Secs			
	4	ANY	WFPC2, IMAGE, WF3	F606W	CR-SPLIT=NO		Pattern 3-4 (2) Prime + Parallel Gro up 3-4	[==>1100.0 Secs (Pattern 2)]	[3]		
								[==>1040.0 Secs (Pattern 3)]			
								900.0 Secs			
[==>1000.0 Secs (Pattern 1)]								[2]			
								[==>(Pattern 2)]			
								[==>1000.0 Secs (Pattern 3)]	[3]		

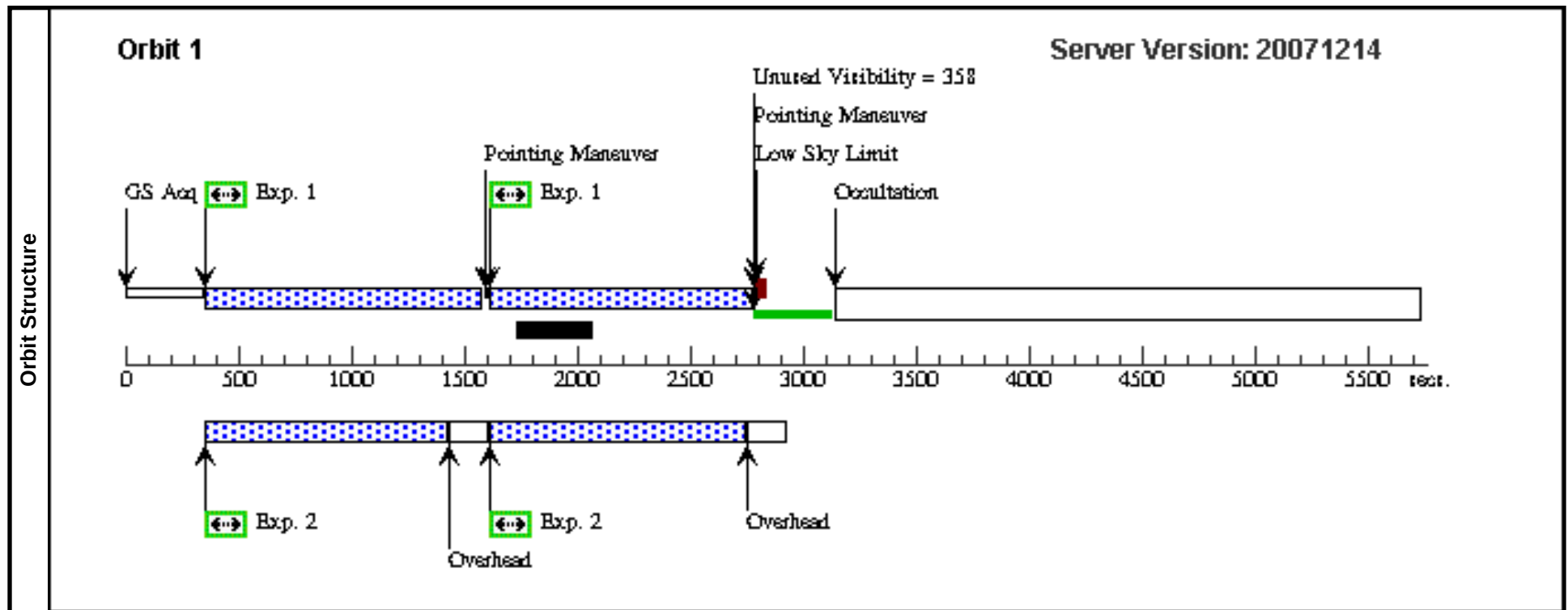


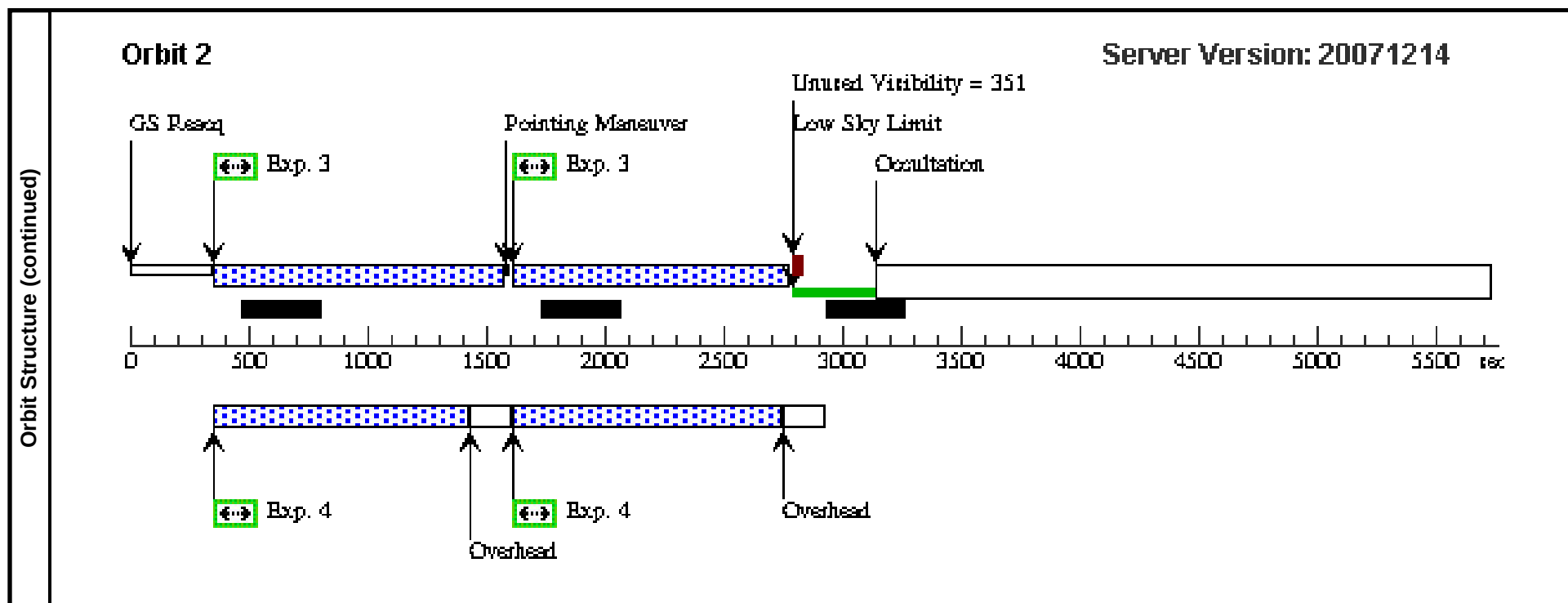




Proposal 10889 - Visit 75 - The Nature of the Halos and Thick Disks of Spiral Galaxies

Visit	Proposal 10889, Visit 75, completed				Thu Jan 17 20:27:08 GMT 2008					
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: ACS/WFC, WFPC2									
	Special Requirements: (none)									
	Comments: 2-point dither of 5 dither steps for NGC7819 POS5									
Patterns	#	Primary Pattern			Secondary Pattern			Exposures		
	(1)	Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.3525 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=299.38 Angle Between Sides= Center Pattern=true				(1-2), (3-4)			
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes		Miscellaneous			
	(75)	NGC7814-HALO-5	RA: 00 03 15.3391 (.8139129d) Dec: +16 04 17.55 (16.07154d) Equinox: J2000		V=10.69+/-0.3		Reference Frame: ICRS			
	Comments: This object was generated by the targetselector and retrieved from the NED database.									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(75) NGC7814-HAL O-5	ACS/WFC, ACCUM, WFCENTER	F814W	CR-SPLIT=NO	LOW-SKY	Pattern 1-2 (1) Prime + Parallel Gro up 1-2	1020.0 Secs [==>(Pattern 1)] [==>1035.0 Secs (Pattern 2)]	[1]
	2		ANY	WFPC2, IMAGE, WF3	F606W	CR-SPLIT=NO		Pattern 1-2 (1) Prime + Parallel Gro up 1-2	900.0 Secs [==>(Pattern 1)] [==>1000.0 Secs (Pattern 2)]	[1]
	3		(75) NGC7814-HAL O-5	ACS/WFC, ACCUM, WFCENTER	F606W	CR-SPLIT=NO	LOW-SKY	Pattern 3-4 (1) Prime + Parallel Gro up 3-4	1042.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[2]
	4		ANY	WFPC2, IMAGE, WF3	F606W	CR-SPLIT=NO		Pattern 3-4 (1) Prime + Parallel Gro up 3-4	900.0 Secs [==>(Pattern 1)] [==>1000.0 Secs (Pattern 2)]	[2]





Proposal 10889 - Visit 7E - The Nature of the Halos and Thick Disks of Spiral Galaxies

Visit	Proposal 10889, Visit 7E, completed										Thu Jan 17 20:27:09 GMT 2008
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: ACS/WFC, WFPC2										
	Special Requirements: SAME ORIENT AS 75										
	Comments: 3-point dither of 5 dither steps for NGC7819 POS5										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(2)	Pattern Type=LINE Purpose=DITHER Number Of Points=3 Point Spacing=0.21949 Line Spacing=		Coordinate Frame=POS-TARG Pattern Orientation=41.382 Angle Between Sides= Center Pattern=true						(1-2), (3-4)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(75)	NGC7814-HALO-5	RA: 00 03 15.3391 (.8139129d) Dec: +16 04 17.55 (16.07154d) Equinox: J2000				V=10.69+/-0.3		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the NED database.										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(75) NGC7814-HAL O-5	ACS/WFC, ACCUM, WFCENTER	F814W	CR-SPLIT=NO	LOW-SKY	Pattern 1-2 (2) Prime + Parallel Group 1-2	1020.0 Secs		
									[==>(Pattern 1)]		[1]
									[==>1040.0 Secs (Pattern 2)]		
	[==>1100.0 Secs (Pattern 3)]		[2]								
	2	ANY	WFPC2, IMAGE, WF3	F606W	CR-SPLIT=NO		Pattern 1-2 (2) Prime + Parallel Group 1-2	900.0 Secs			
								[==>(Pattern 1)]		[1]	
								[==>1000.0 Secs (Pattern 2)]			
	[==>(Pattern 3)]		[2]								
	3	(75) NGC7814-HAL O-5	ACS/WFC, ACCUM, WFCENTER	F606W	CR-SPLIT=NO	LOW-SKY	Pattern 3-4 (2) Prime + Parallel Group 3-4	987.0 Secs			
								[==>(Pattern 1)]		[2]	
								[==>1100.0 Secs (Pattern 2)]			
								[==>1040.0 Secs (Pattern 3)]		[3]	
4	ANY	WFPC2, IMAGE, WF3	F606W	CR-SPLIT=NO		Pattern 3-4 (2) Prime + Parallel Group 3-4	900.0 Secs				
							[==>1000.0 Secs (Pattern 1)]		[2]		
							[==>(Pattern 2)]				
							[==>1000.0 Secs (Pattern 3)]		[3]		

