



11222 - Direct Detection and Mapping of Star Forming Regions in Nearby, Luminous Quasars

Cycle: 16, Proposal Category: GO
(Availability Mode: SUPPORTED)

INVESTIGATORS

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VISITS

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(1) PG-0026+129	WFPC2	6	18-Jan-2008 04:22:09.0	yes
02	(2) PG-0838+770	WFPC2	4	18-Jan-2008 04:22:30.0	yes
03	(4) PG-1307+085	WFPC2	3	18-Jan-2008 04:22:45.0	yes
04	(3) PG-1244+026	WFPC2	4	18-Jan-2008 04:22:58.0	yes
05	(5) PG-1448+273	WFPC2	6	18-Jan-2008 04:23:16.0	yes
06	(6) PG-1613+658	WFPC2	3	18-Jan-2008 04:23:34.0	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>
07	(7) PG-1626+554	WFPC2	6	18-Jan-2008 04:23:51.0	yes
08	(8) PG-2214+139	WFPC2	5	18-Jan-2008 04:24:07.0	yes
09	(1) PG-0026+129	NIC2	1	18-Jan-2008 04:24:23.0	yes
10	(2) PG-0838+770	NIC2	1	18-Jan-2008 04:24:35.0	yes
11	(4) PG-1307+085	NIC2	1	18-Jan-2008 04:24:43.0	yes
12	(3) PG-1244+026	NIC3	1	18-Jan-2008 04:24:51.0	yes
13	(5) PG-1448+273	NIC3	1	18-Jan-2008 04:25:02.0	yes
14	(6) PG-1613+658	NIC2	1	18-Jan-2008 04:25:10.0	yes
15	(7) PG-1626+554	NIC2	1	18-Jan-2008 04:25:18.0	yes
16	(8) PG-2214+139	NIC3	1	18-Jan-2008 04:25:36.0	yes
17	(10) N3202230216-PSF-STAR	WFPC2	3	18-Jan-2008 04:25:53.0	yes
18	(10) N3202230216-PSF-STAR	NIC2 NIC3	1	18-Jan-2008 04:26:19.0	yes

49 Total Orbits Used

ABSTRACT

We propose to carry out narrow-band emission line imaging observations of 8 quasars at $z=0.05-0.15$ with the WFPC2 ramp filters and with the NICMOS narrow-band filters. We will obtain images in the [O II], [O III], H-beta, and Pa-alpha emission line bands to carry out a series of diagnostic tests aimed at detecting and mapping out star-forming regions in the quasar host galaxies. This direct detection of star-forming regions will confirm indirect indications for star formation in quasar host galaxies. It will provide a crucial test for models of quasar and galaxy evolution, that predict the co-existence of starbursts and "monsters" and will solve the puzzle of why different indicators of star formation give contradictory results. A secondary science goal is to assess suggested correlations between quasar luminosity and the size of the narrow-line region.

OBSERVING DESCRIPTION

Our targets consist of 8 PG quasars drawn from the Spitzer IRS sample of Schweitzer et al. (2006). We selected all the objects at $z < 0.15$ whose redshifts are such that their Pa-alpha lines fall within one of the available NICMOS narrow-band filters. They have absolute V magnitudes between -22 to -24 and 2-10 keV X-ray luminosities of order 10^{43} - 10^{44} erg/s. At the distances of these objects 0.1 arcsec corresponds to 90-260 pc.

We propose to obtain narrow-band images in the [OII]3727, H-beta, [OIII]5007 lines, using the WFPC2 ramp filters (width=1%). In three cases we will be able to obtain [OII] images through the conventional narrow-band filters. The location of the target on the WFPC2 chips is set by the desired wavelength, therefore, we will mostly be using the WF chips (the resolution of our line-ratio maps, will be limited by the images with the lowest resolution). We will carry out sub-pixel dithering to improve the resolution as much as possible. We will also obtain Pa-alpha narrow-band images using NIC2 and NIC3 and the available filters (width=1%). The angular resolution element and angular pixel size of the NIC3 images will, unfortunately, be rather large and they will limit the resolution of the extinction maps produced via the Pa-alpha/H-beta ratio. The field of view of the WFPC2 ramp filters is ~ 10 arcsec, which is adequate for our purposes.

In addition to the on-band observations, we will also obtain off-band observations (for continuum subtraction) with medium-band filters and short observations of a PSF star with the same ramp filters and at the same detectors position as the quasars. An image in the WFPC2 F467M filter is suitable for continuum subtraction for all the optical emission-line images because this filter covers a band between the [O II] and H-beta lines. The only emission line of note within its passband is H-gamma, but its flux will be diluted so that it becomes negligible. Bennert et al. (2002) have shown that medium-band filters produce continuum images that are suitable for continuum subtraction (just as good as narrow-band images). The PSF star observations will be used for a careful subtraction of the unresolved quasar emission from the image. This is important for our goal of detecting star-forming regions very close to the active nucleus (a linear distance of 0.3 kpc, corresponding to 0.2-0.3 arcsec). Some of Our proposed targets were also imaged with WFPC2, ACS, and NICMOS with broad-band filters, namely WFPC2 F814W and ACS F550M or F625W). Thus we will be able to use those images of the host galaxies to verify and refine our background subtraction procedures (following Bennert et al. 2002).

To estimate the required exposure times, we used the FIR (8-1000 micron) luminosities listed in Table 1 to compute the H-beta fluxes. These two

quantities are related to the star-formation rate [equations (2) and (4) of Kennicutt (1998)] and are therefore connected to each other via $L(\text{H-beta}) = 0.017 L(\text{FIR})$. Furthermore, we assumed (conservatively) that $[\text{OII}]/[\text{OIII}] = [\text{OIII}]/\text{H-beta} = 1$ in order to estimate the $[\text{OII}]$ and $[\text{OIII}]$ fluxes. The Pa-alpha fluxes were estimated assuming that $\text{Pa-alpha}/\text{H-beta} = 0.47$ (Osterbrock 1989). Adopting these emission line fluxes and assuming that the emission-line regions are approximately 3 arcsec (~ 3 kpc) across, we used the WFPC2 exposure time calculator to compute the exposure time needed to reach a $S/N \sim 10$ per resolution element. This is the minimum S/N needed to distinguish between different excitation mechanisms in the BPT (line-ratio) diagrams at approximately the 3-sigma level. Our estimates are conservative because the star-forming regions are likely to have bright knots that are more easily detectable.

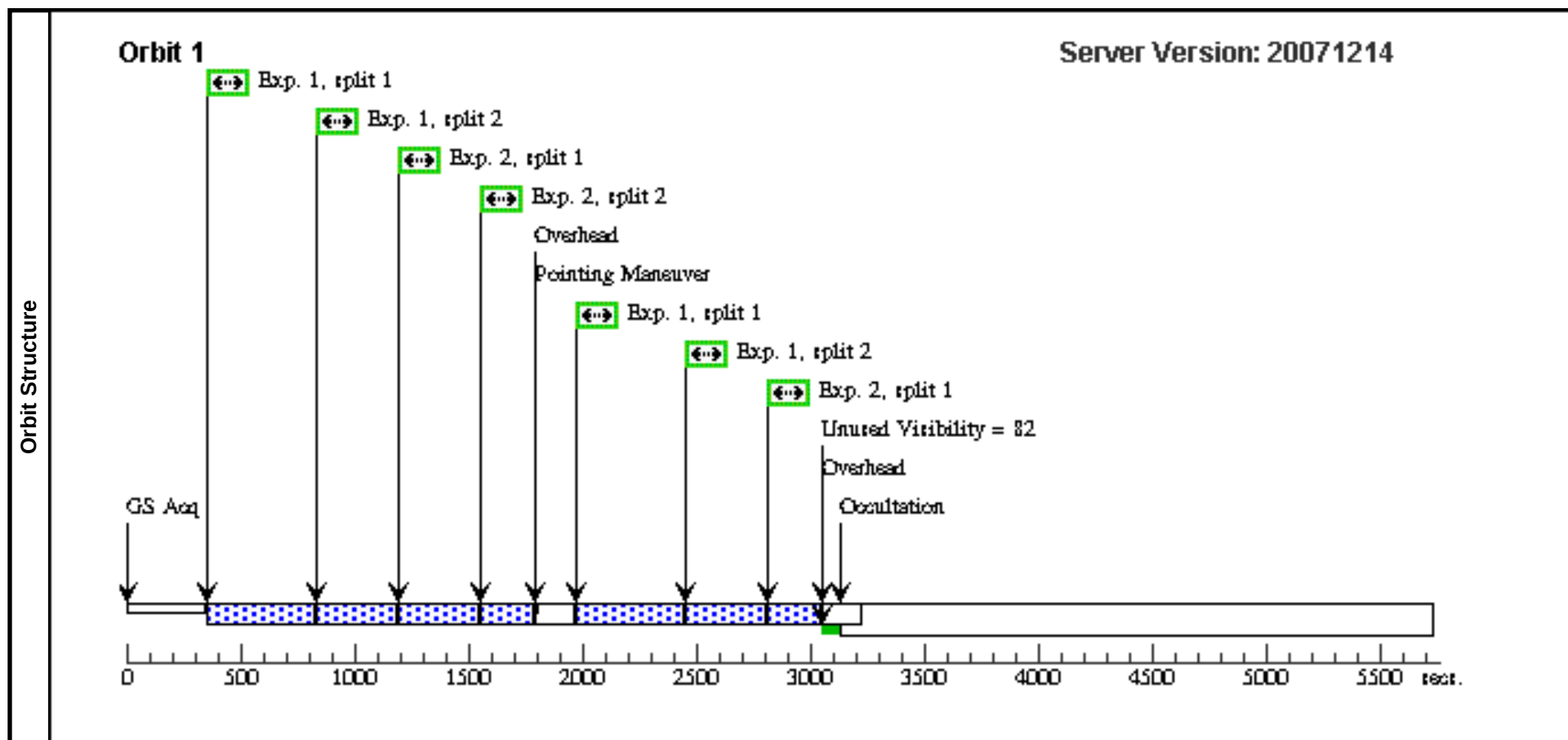
We find that in order to meet the above requirements, we need 2-4 orbits per object for the $[\text{OII}]$ images, 1-2 orbits per object for each of the $[\text{OIII}]$ and H-beta images, and 1 orbit per object for the Pa-alpha images. For two quasars (PG 0026+129 and PG 1307+085) we will use archival $[\text{OIII}]$ images (Bennert et al. 2002). Included in our orbit estimates is the time for on-band images in the emission-line filters and off-band images in medium filters (WFPC2 F467M, NIC2 F237M, and NIC3 F222M). The visibility periods of our targets range from 51 to 57 minutes, leaving approximately 31-36 minutes of exposure time per orbit. Thus, we expect to achieve $S/N \sim 10$ -16 per 0.1 arcsec bin in an integer number of orbits per object.

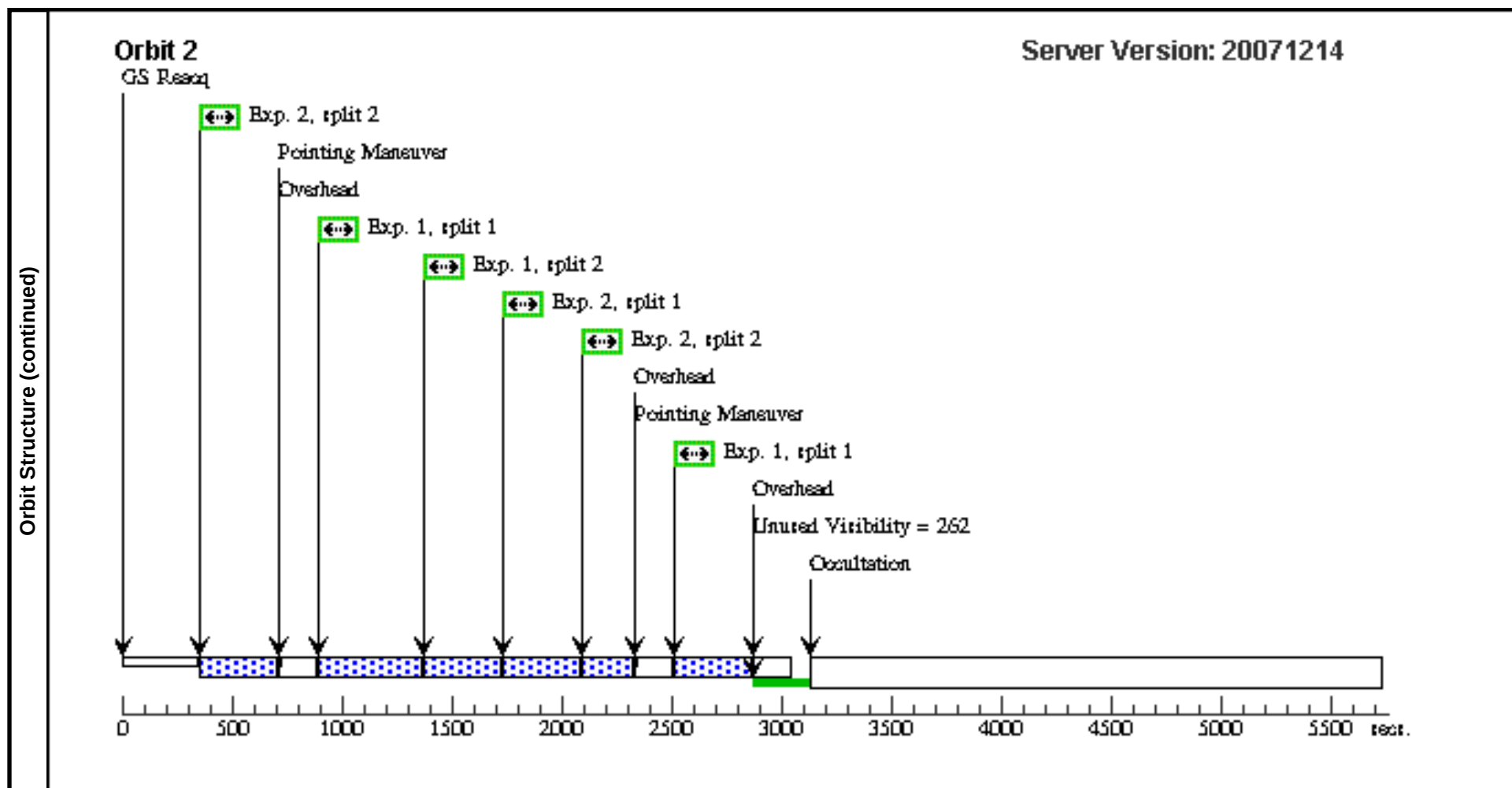
Proposal 11222 - Visit 01 - Direct Detection and Mapping of Star Forming Regions in Nearby, Luminous Quasars

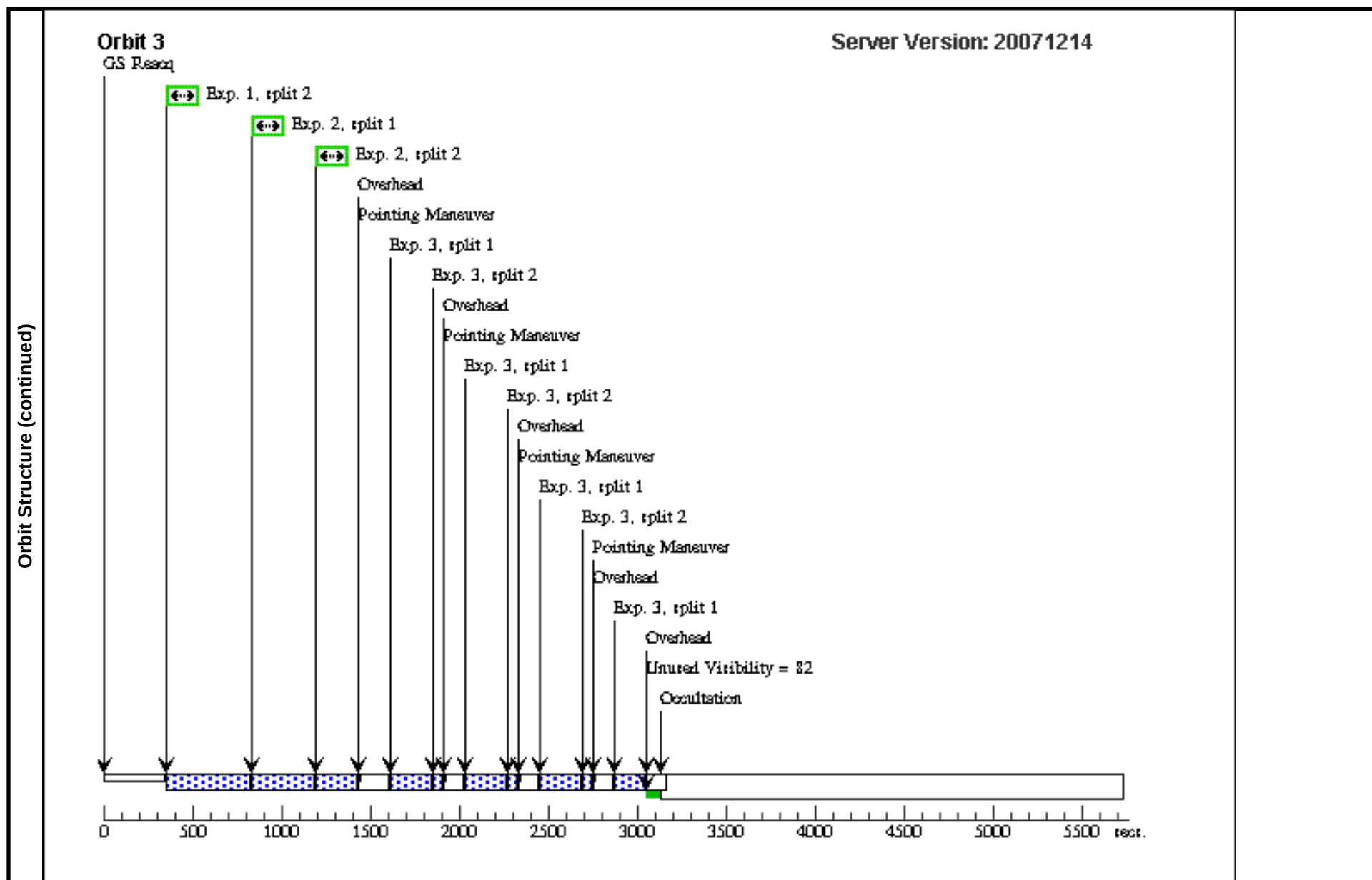
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	Scientific Instruments: WFPC2													
	Special Requirements: (none)													
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		Point Spacing=0.559017		Center Pattern=true										
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Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous				
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				Dec: +13 16 3.90 (13.26775d)										
				Equinox: J2000										
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.													
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit			
	1	Hb	(1) PG-0026+129	WFPC2, IMAGE, LRF	LRF	CR-SPLIT=0.5;		Pattern 1-2 (2)	400.0 Secs					
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									[==>(Pattern 1, Split 2)]					
									[==>(Pattern 2, Split 1)]					
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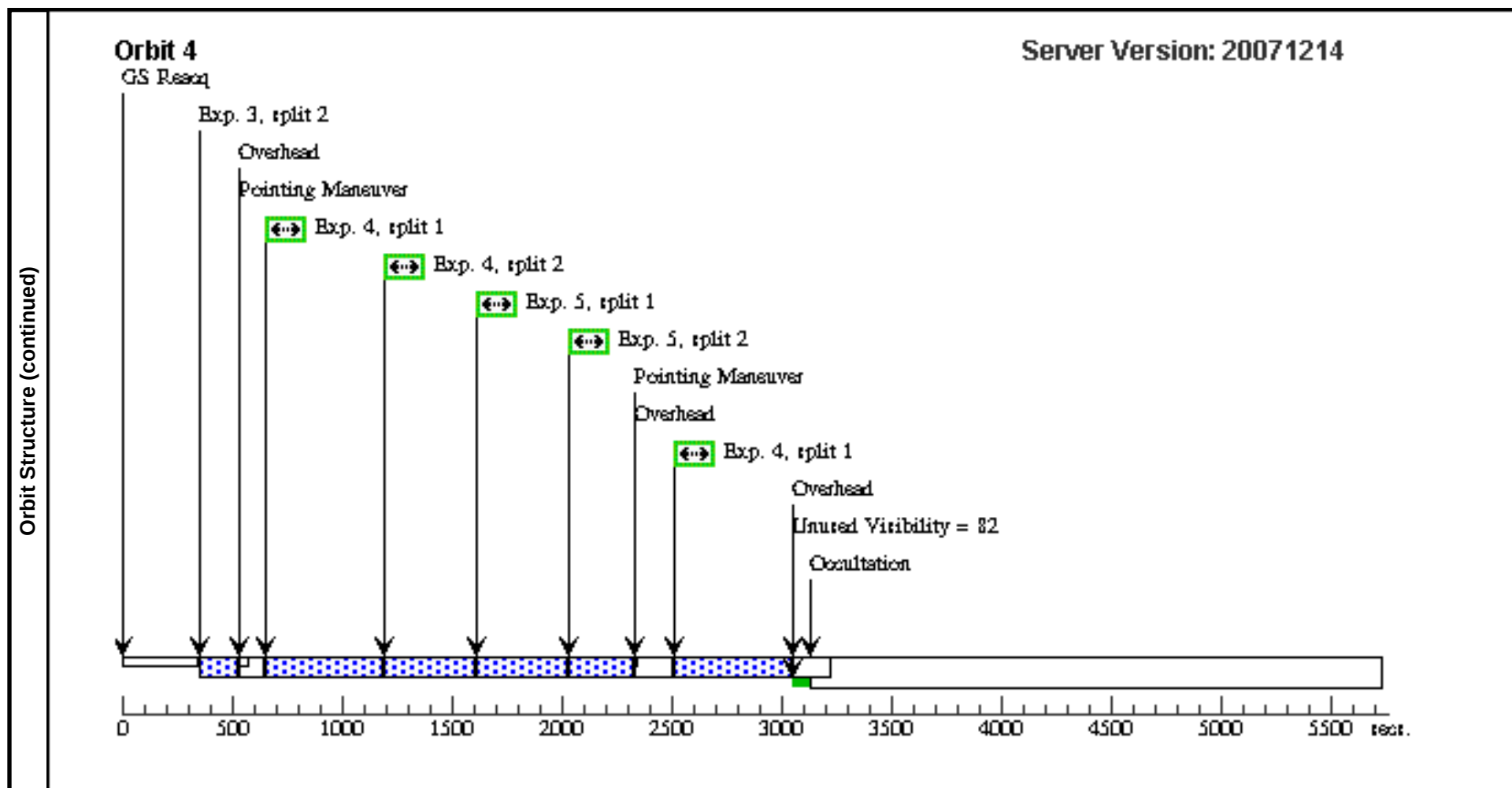
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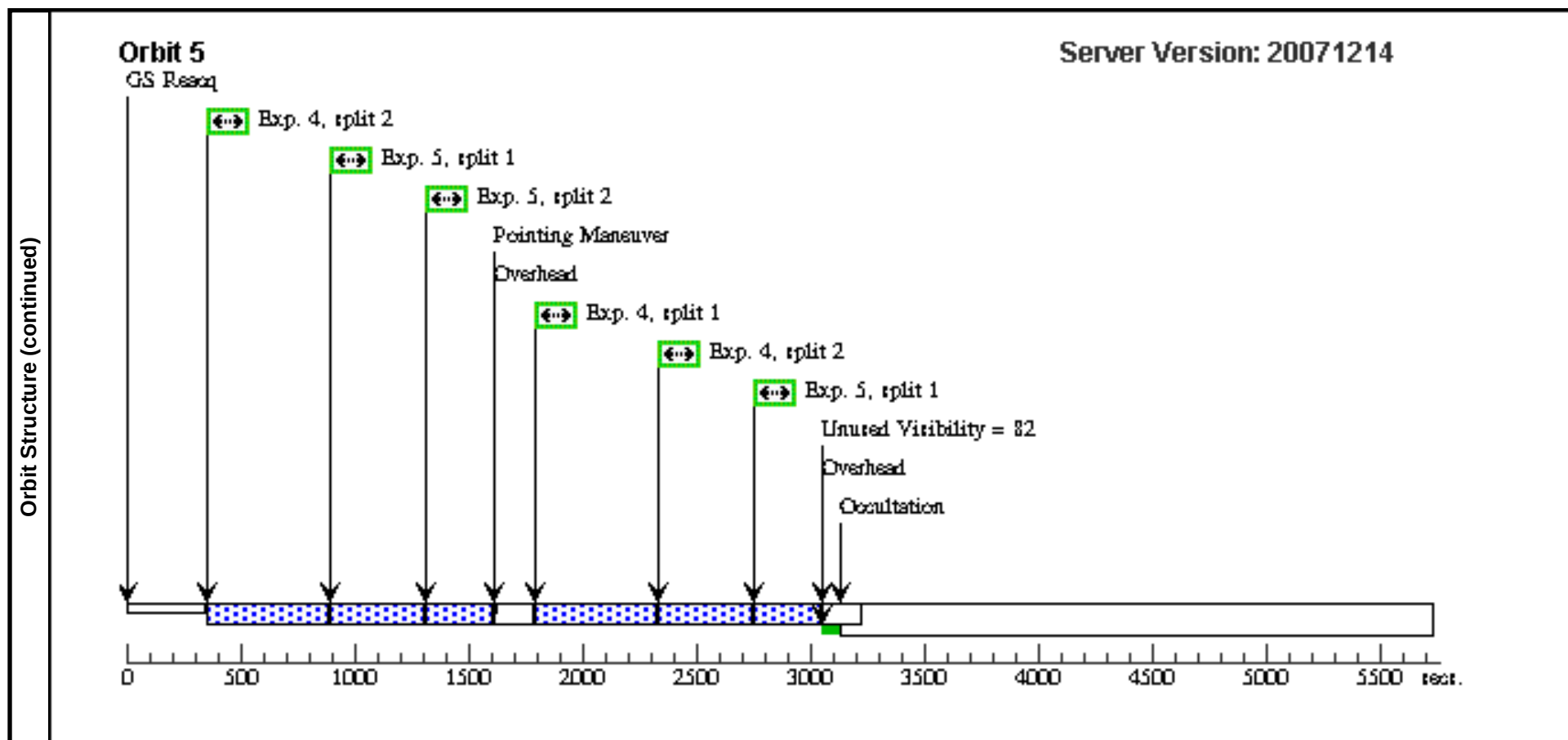
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									[==>(Pattern 2, Split 2)] [==>(Pattern 3, Split 1)] [==>(Pattern 3, Split 2)]	[2]
									[==>(Pattern 4, Split 1)] [==>(Pattern 4, Split 2)]	[3]
	3	continuum	(1) PG-0026+129	WFPC2, IMAGE, PC1	F467M	CR-SPLIT=0.5; CR-TOLERANCE=0		Pattern 3-3 (2)	46.0 Secs	
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									[==>(Pattern 4, Split 2)]	[4]
	4	[O II]	(1) PG-0026+129	WFPC2, IMAGE, LRF	LRF 4256.0 A	CR-SPLIT=0.5; CR-TOLERANCE=0		Pattern 4-5 (2)	520.0 Secs	
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									[==>(Pattern 4, Split 1)] [==>(Pattern 4, Split 2)]	[6]
	5	[O II]	(1) PG-0026+129	WFPC2, IMAGE, LRF	LRF 4256.0 A	CR-SPLIT=0.5; CR-TOLERANCE=0		Pattern 4-5 (2)	520.0 Secs	
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									[==>(Pattern 2, Split 1)] [==>(Pattern 2, Split 2)] [==>(Pattern 3, Split 1)]	[5]
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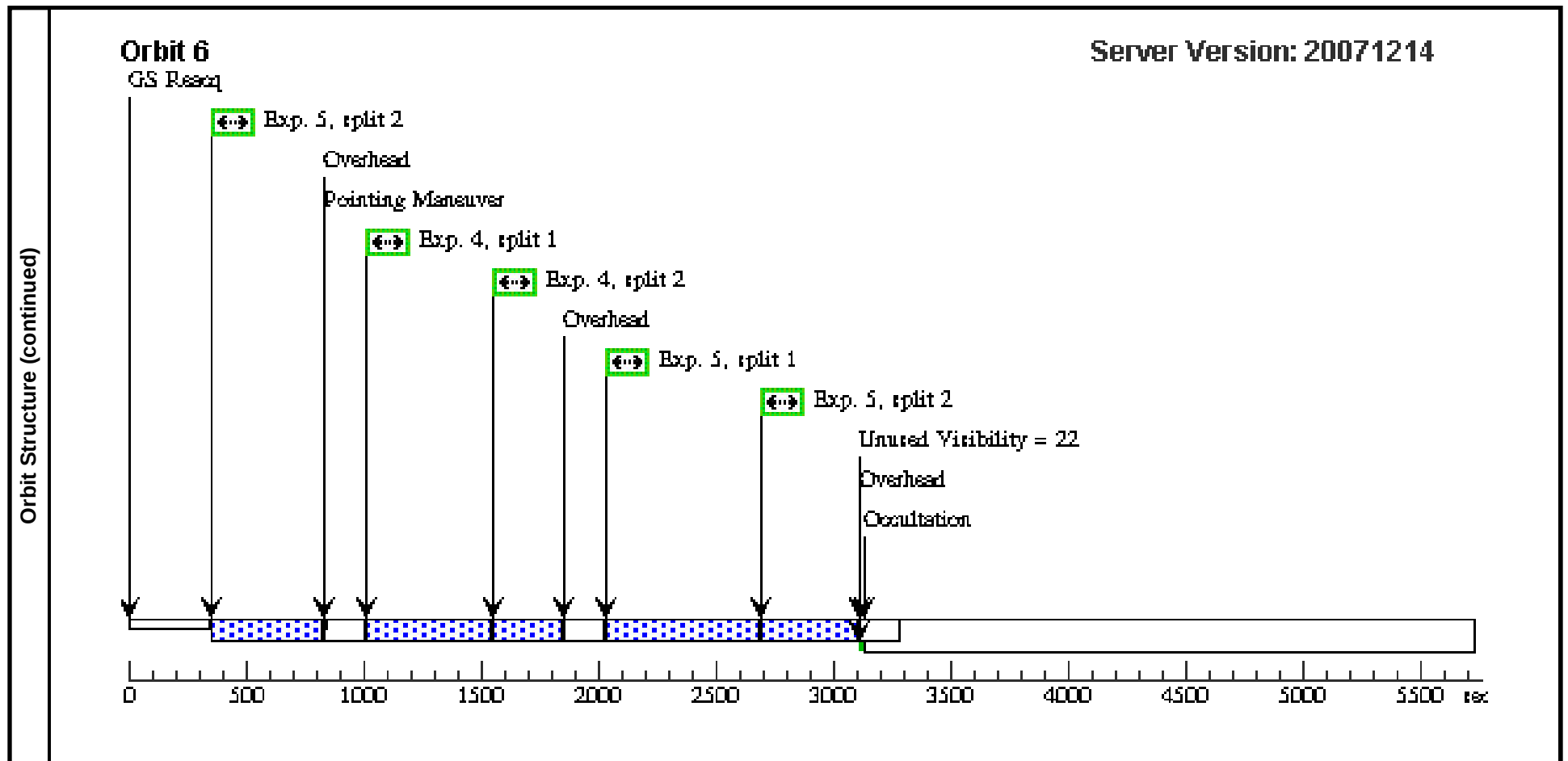










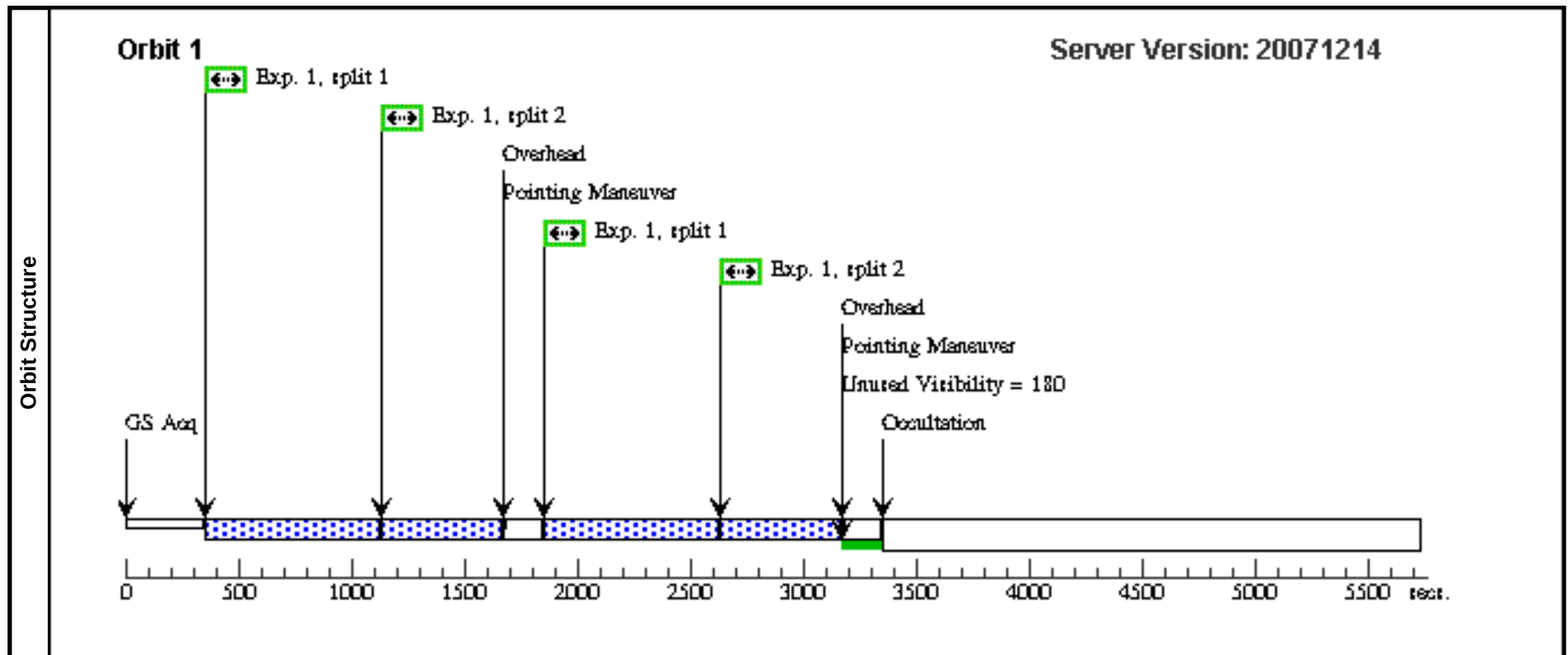


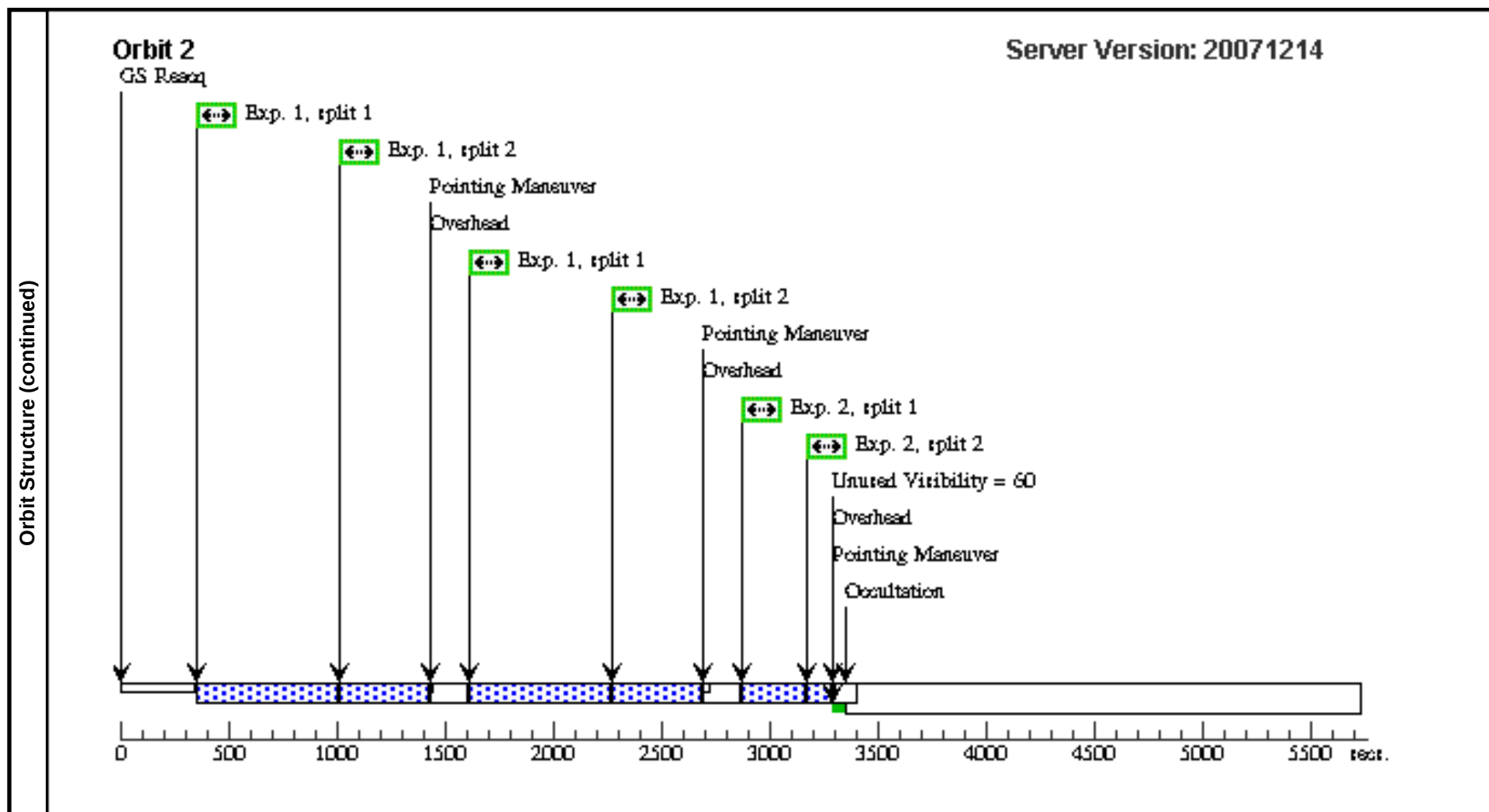
Proposal 11222 - Visit 02 - Direct Detection and Mapping of Star Forming Regions in Nearby, Luminous Quasars

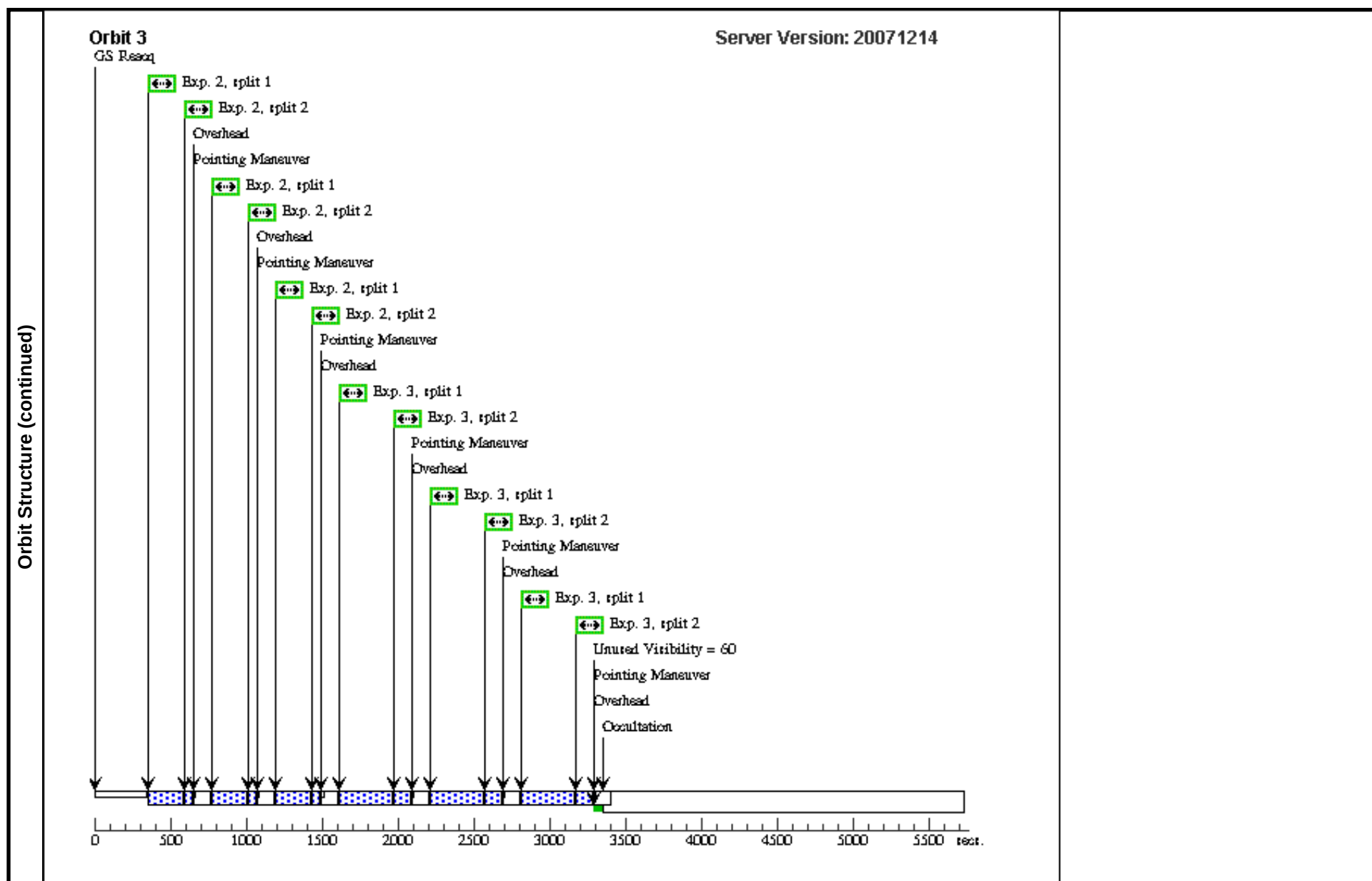
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	(Hb (02.003)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.												
Patterns	([O III] (02.004)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.												
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		Point Spacing=0.559017			Center Pattern=true								
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	(2)	PG-0838+770		RA: 08 44 45.6300 (131.1901250d)				V=15.7+/-0.2		Reference Frame: ICRS			
				Dec: +76 53 9.40 (76.88594d)									
				Equinox: J2000									
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	1	[O II]	(2) PG-0838+770	WFPC2, IMAGE, LRF		LRF	CR-SPLIT=0.5		Pattern 1-1 (2)	700.0 Secs			
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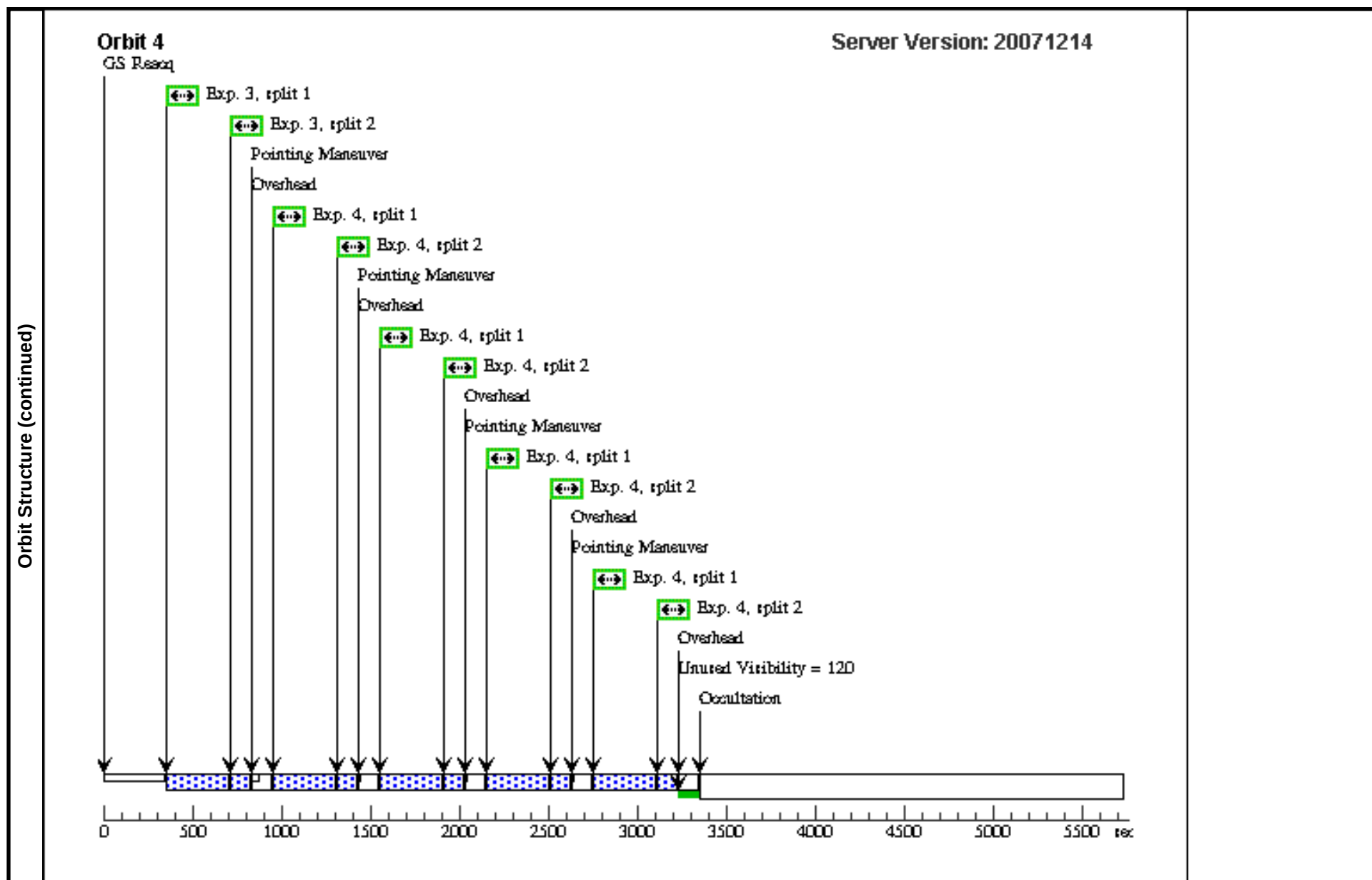
Proposal 11222 - Visit 02 - Direct Detection and Mapping of Star Forming Regions in Nearby, Luminous Quasars

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	3	Hb	(2) PG-0838+770	WFPC2, IMAGE, LRF	LRF 5498.0 A	CR-SPLIT=0.5		Pattern 3-3 (2)	200.0 Secs	
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	4	[O III]	(2) PG-0838+770	WFPC2, IMAGE, LRF	LRF 5663.0 A	CR-SPLIT=.5		Pattern 4-4 (2)	200.0 Secs	
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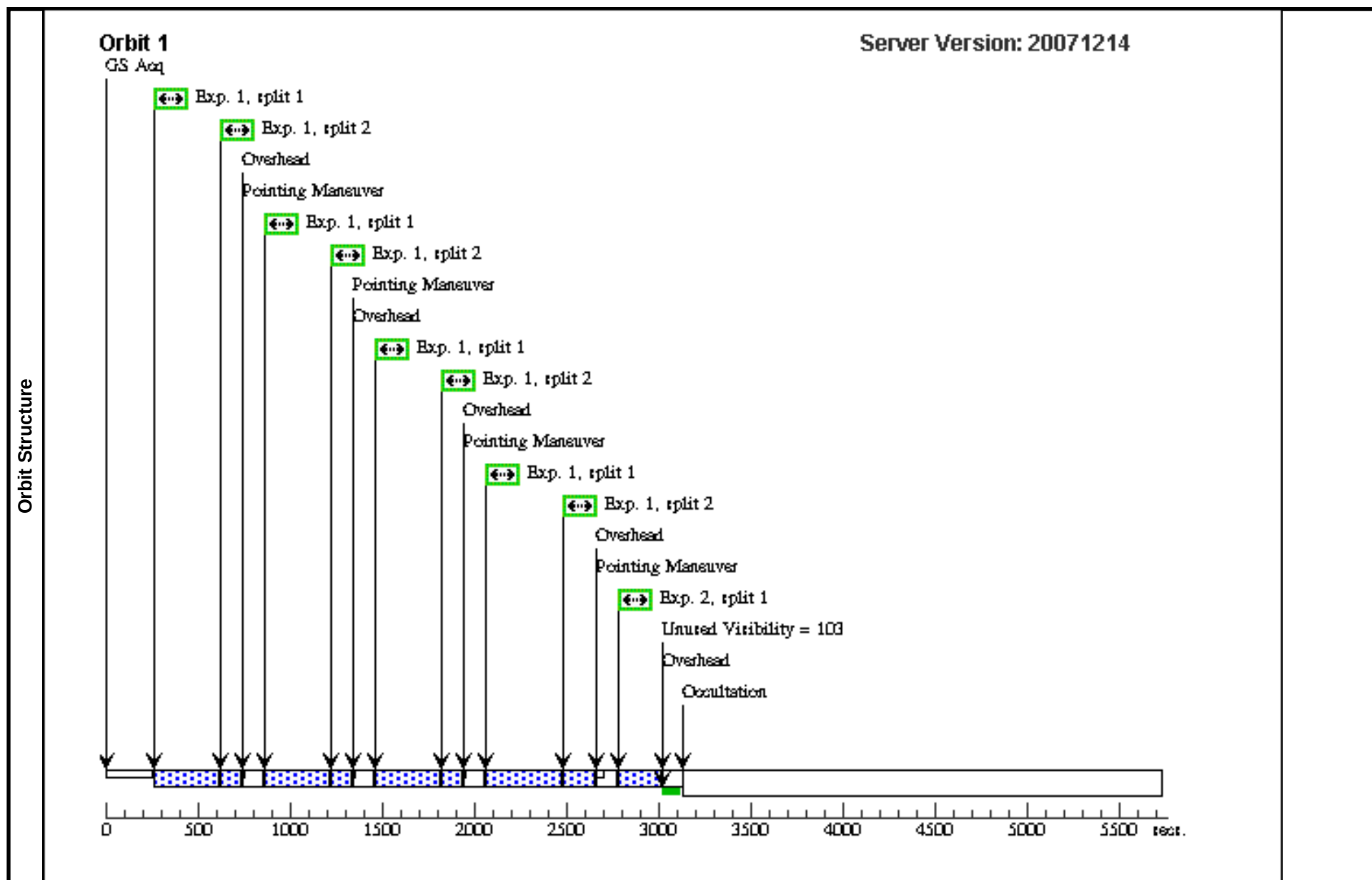


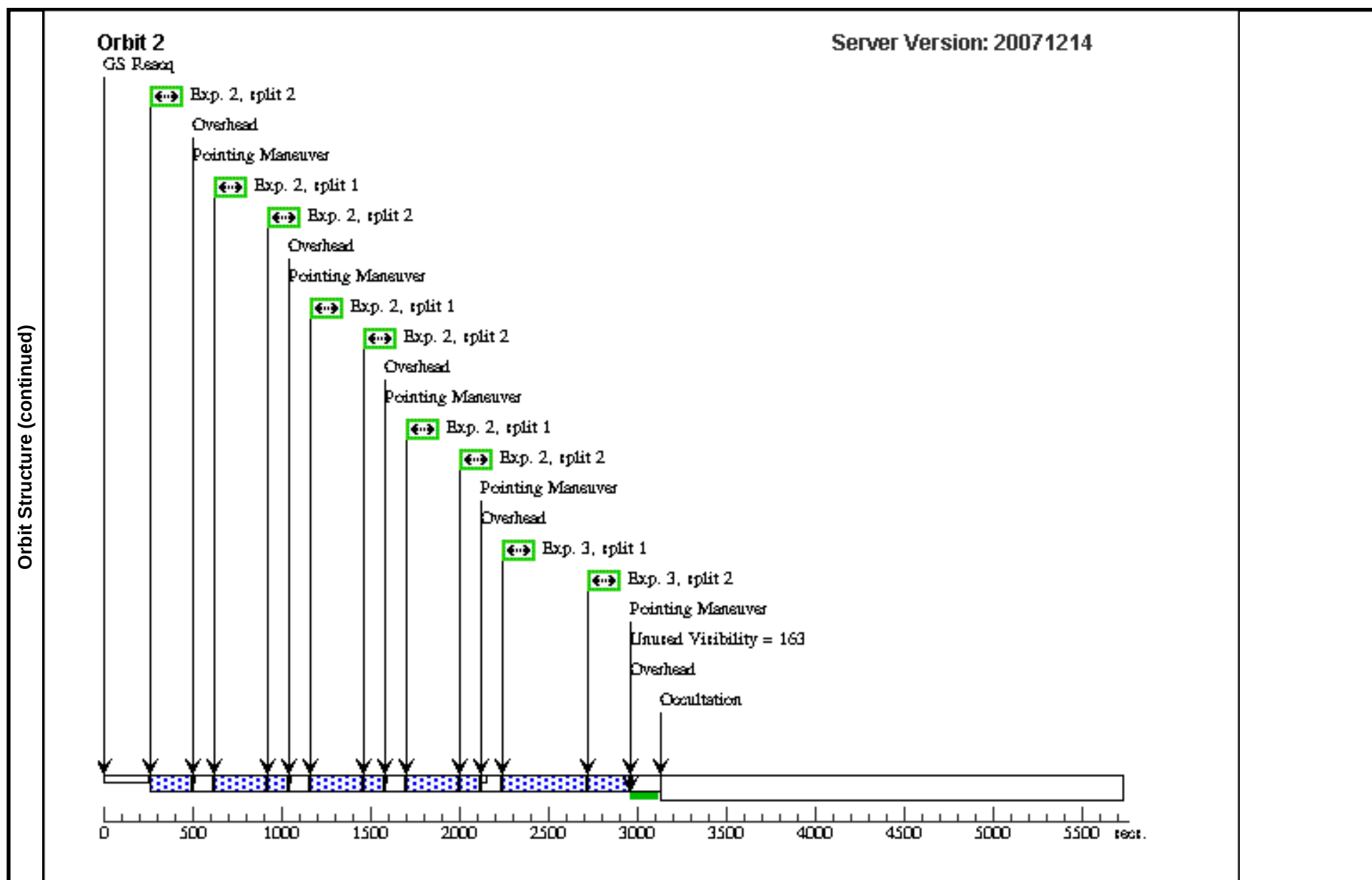
Proposal 11222 - Visit 03 - Direct Detection and Mapping of Star Forming Regions in Nearby, Luminous Quasars

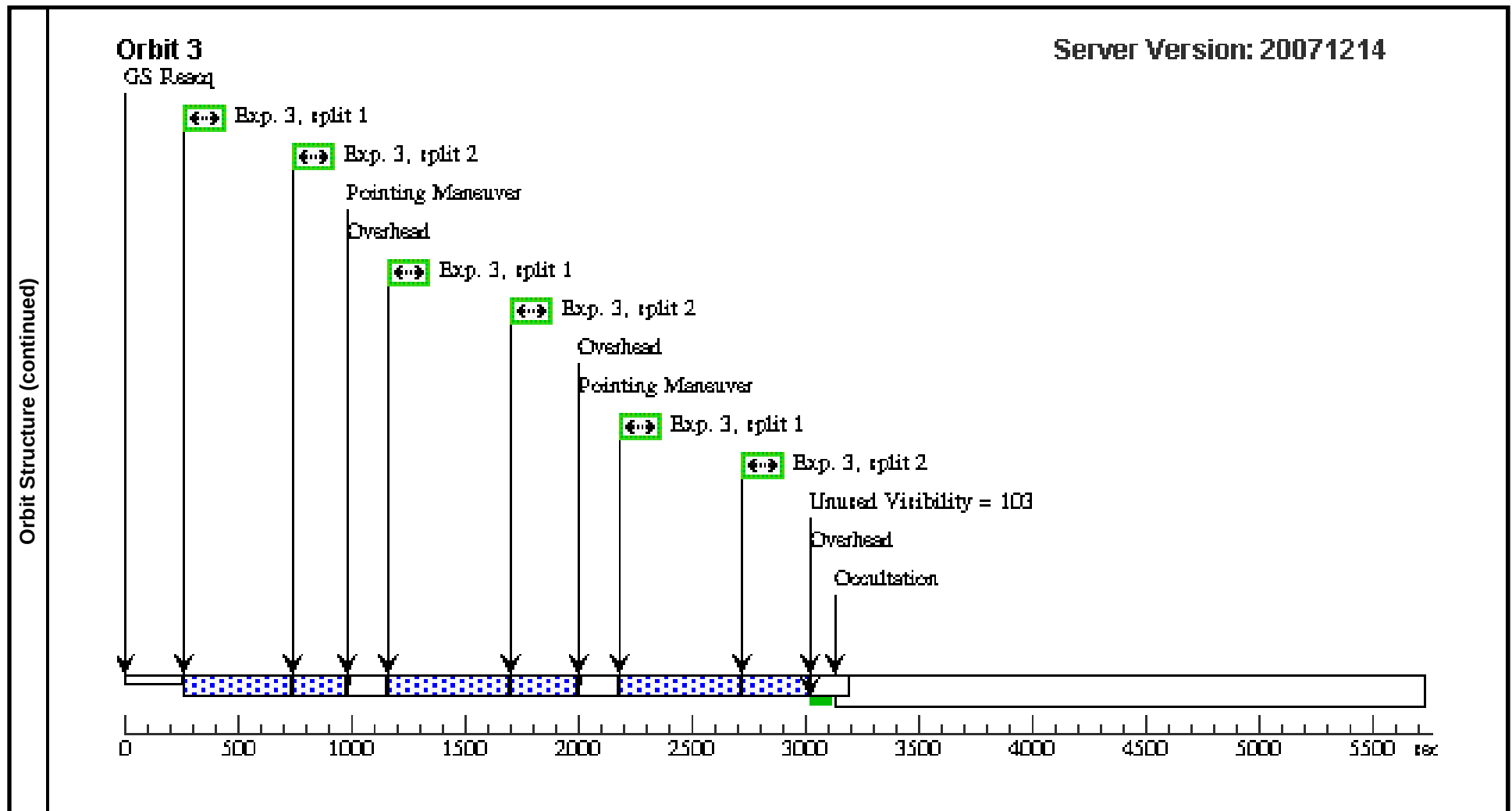
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	Special Requirements: (none)										
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Number Of Points=4		Angle Between Sides=143.1301									
Point Spacing=0.559017		Center Pattern=true									
Line Spacing=0.559017											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(4)	PG-1307+085	RA: 13 09 47.0300 (197.4459583d)				V=15.32+/-0.2		Reference Frame: ICRS		
			Dec: +08 19 49.30 (8.33036d)								
			Equinox: J2000								
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.											
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					5614.0 A	O SINGLE		[==>100.0 Secs (Pattern 1, Split 1)]			
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							[==>100.0 Secs (Pattern 2, Split 1)]				
							[==>100.0 Secs (Pattern 2, Split 2)]				
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Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
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									[==>(Pattern 2, Split 2)]	
									[==>(Pattern 3, Split 1)]	
									[==>(Pattern 3, Split 2)]	[2]
									[==>(Pattern 4, Split 1)]	
									[==>(Pattern 4, Split 2)]	
	3	[O II]	(4) PG-1307+085	WFPC2, IMAGE, LRF	LRF 4305.0 A	CR-SPLIT=.5		Pattern 3-3 (2)	400.0 Secs	
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									[==>(Pattern 2, Split 2)]	
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									[==>260.0 Secs (Pattern 3, Split 2)]	
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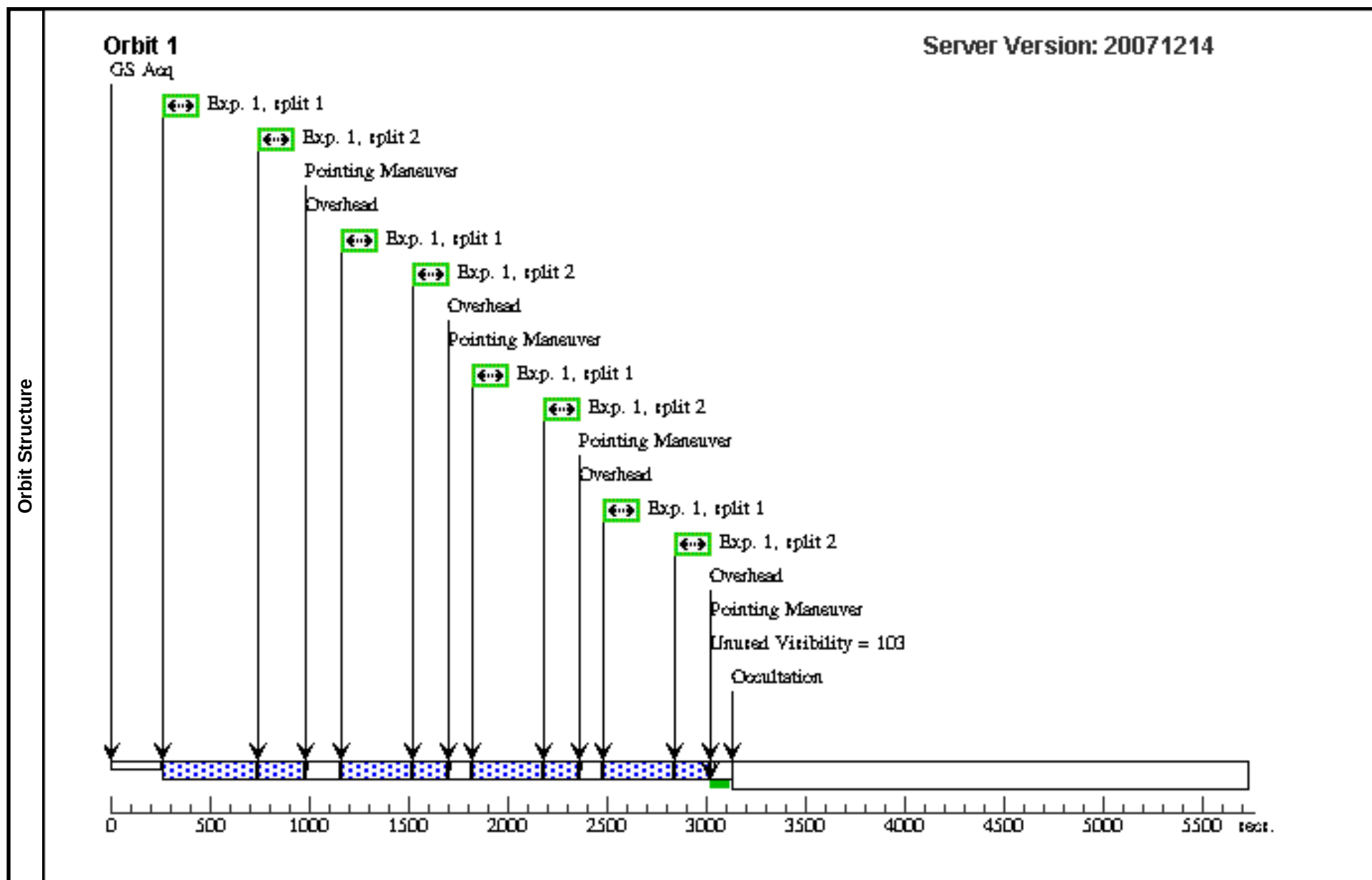


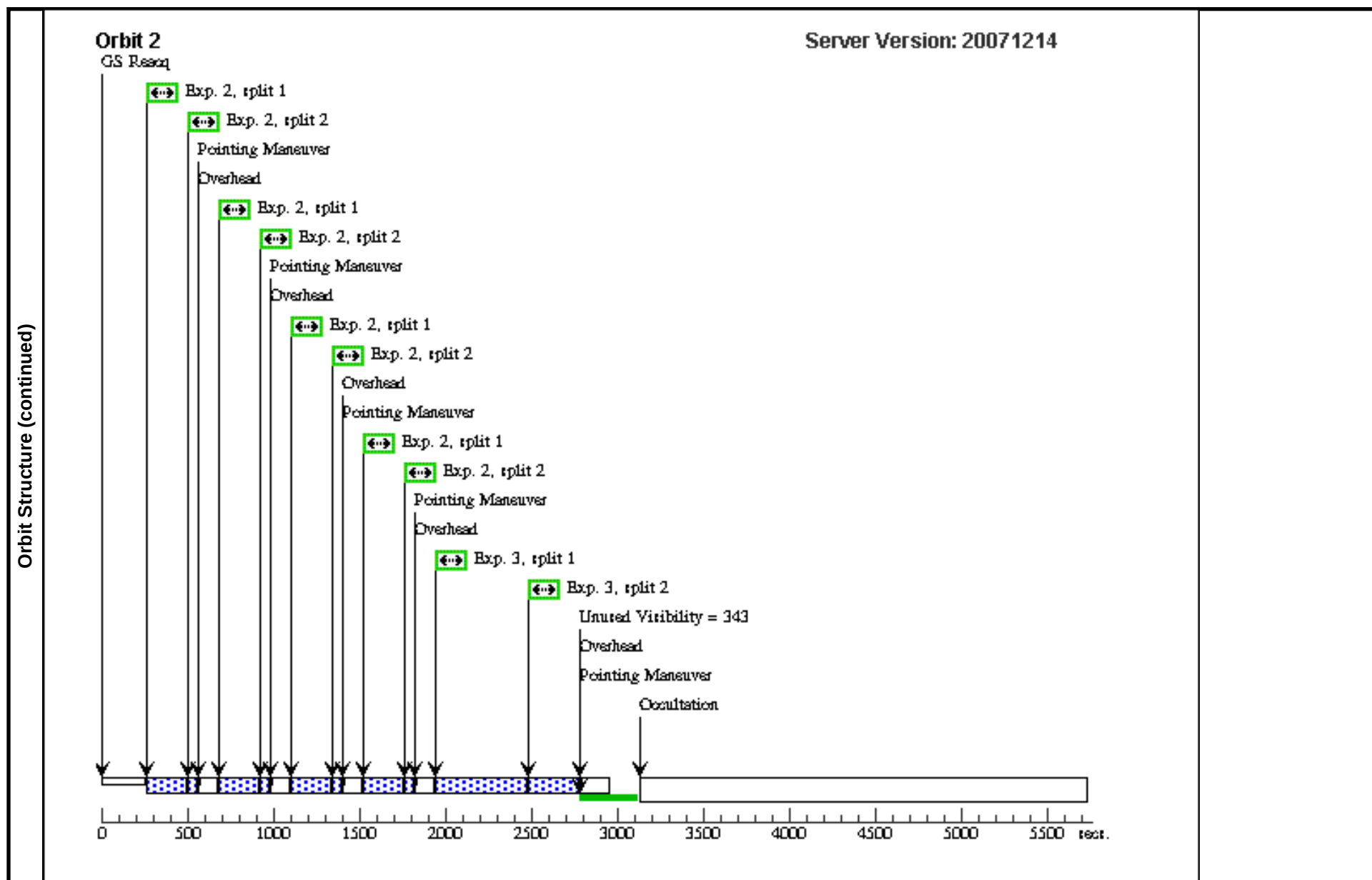
Proposal 11222 - Visit 04 - Direct Detection and Mapping of Star Forming Regions in Nearby, Luminous Quasars

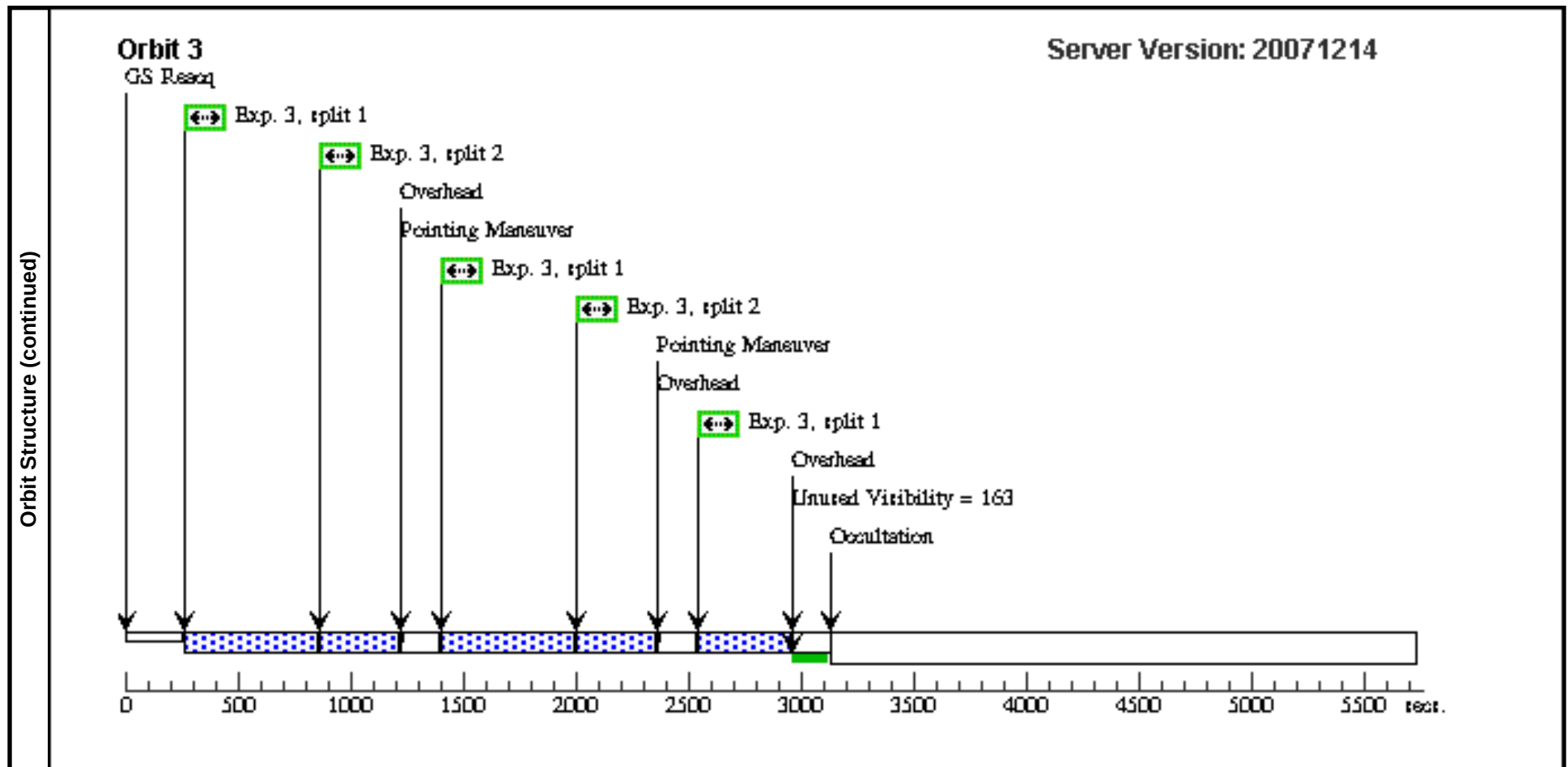
Visit	Proposal 11222, Visit 04, implementation										Fri Jan 18 09:26:31 GMT 2008		
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	Scientific Instruments: WFPC2												
	Special Requirements: (none)												
Diagnostics	([O III] (04.001)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.												
	(Hb (04.004)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.												
Patterns	#	Primary Pattern					Secondary Pattern				Exposures		
	(2)	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), (2), (3), (4)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous				
	(3)	PG-1244+026	RA: 12 46 35.2900 (191.6470417d) Dec: +02 22 8.30 (2.36897d) Equinox: J2000				V=16.2+/-0.2		Reference Frame: ICRS				
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.This object was generated by the targetselector and retrieved from the SIMBAD database.This object was generated by the targetselector and retrieved from the SIMBAD database.													
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit		
	1	[O III]	(3) PG-1244+026	WFPC2, IMAGE, LRF	LRF	CR-SPLIT=.5	GS ACQ SCENARI	Pattern 1-1 (2)	320.0 Secs				
										[==>200.0 Secs (Pattern 1, Split 1)]			
										[==>200.0 Secs (Pattern 1, Split 2)]			
										[==>(Pattern 2, Split 1)]			
										[==>(Pattern 2, Split 2)]			
										[==>(Pattern 3, Split 1)]			
										[==>(Pattern 3, Split 2)]			
										[==>(Pattern 4, Split 1)]			
									[==>(Pattern 4, Split 2)]				

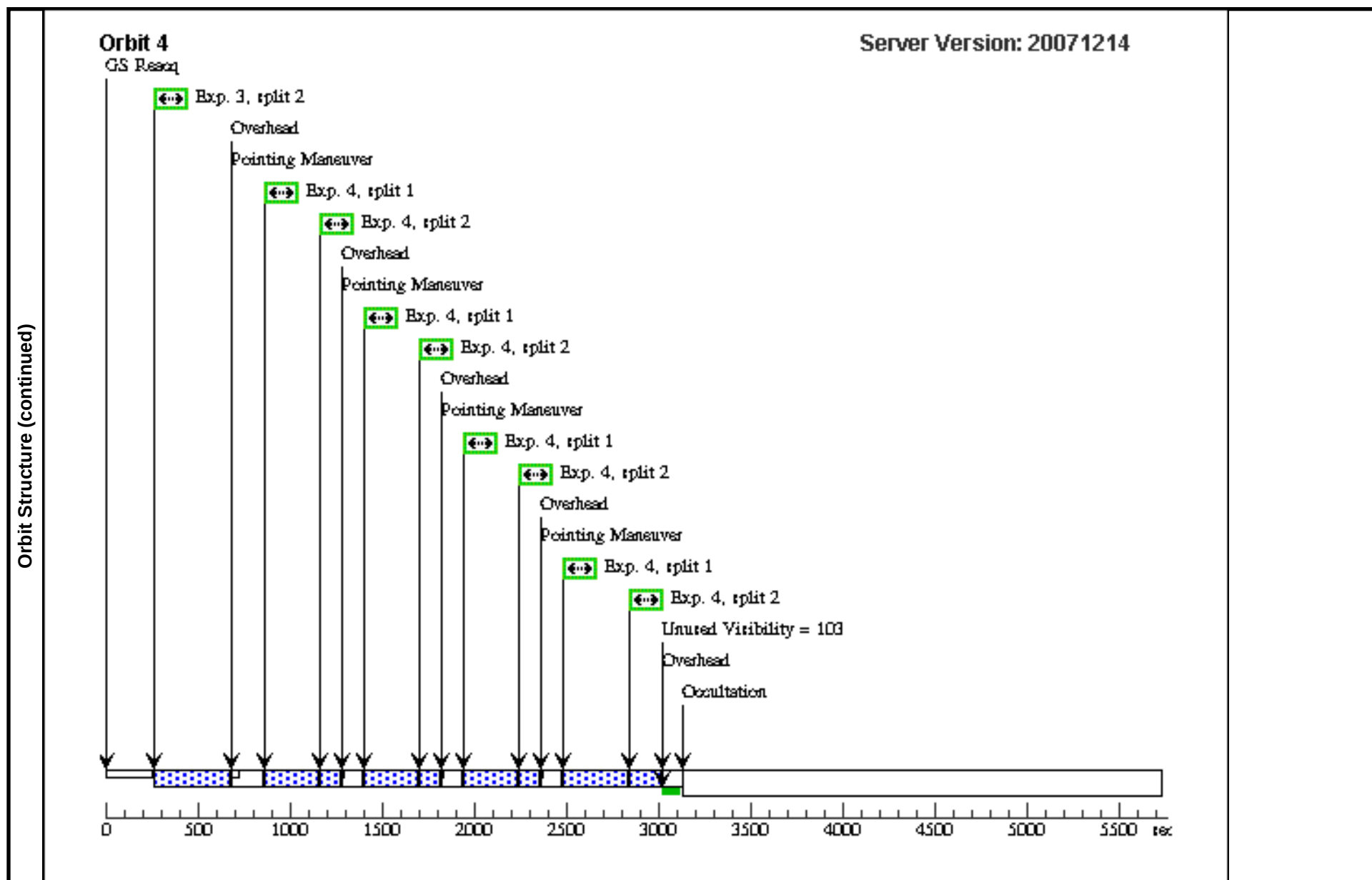
Proposal 11222 - Visit 04 - Direct Detection and Mapping of Star Forming Regions in Nearby, Luminous Quasars

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	2	continuum	(3) PG-1244+026	WFPC2, IMAGE, WF3	F467M	CR-SPLIT=.5		Pattern 2-2 (2)	60.0 Secs	
									[==>(Pattern 1, Split 1)] [==>(Pattern 1, Split 2)] [==>(Pattern 2, Split 1)] [==>(Pattern 2, Split 2)] [==>(Pattern 3, Split 1)] [==>(Pattern 3, Split 2)] [==>(Pattern 4, Split 1)] [==>(Pattern 4, Split 2)]	[2]
	3	[O II]	(3) PG-1244+026	WFPC2, IMAGE, WF3	FQUVN 3907.0 A	CR-SPLIT=0.5		Pattern 3-3 (2)	520.0 Secs	
									[==>(Pattern 1, Split 1)] [==>(Pattern 1, Split 2)] [==>300.0 Secs (Pattern 2, Split 1)] [==>300.0 Secs (Pattern 2, Split 2)] [==>300.0 Secs (Pattern 3, Split 1)] [==>300.0 Secs (Pattern 3, Split 2)] [==>(Pattern 4, Split 1)] [==>(Pattern 4, Split 2)]	[2] [3] [4]
	4	Hb	(3) PG-1244+026	WFPC2, IMAGE, LRF	LRF 5095.0 A	CR-SPLIT=.5		Pattern 4-4 (2)	200.0 Secs	
									[==>(Pattern 1, Split 1)] [==>(Pattern 1, Split 2)] [==>(Pattern 2, Split 1)] [==>(Pattern 2, Split 2)] [==>(Pattern 3, Split 1)] [==>(Pattern 3, Split 2)] [==>160.0 Secs (Pattern 4, Split 1)] [==>160.0 Secs (Pattern 4, Split 2)]	[4]







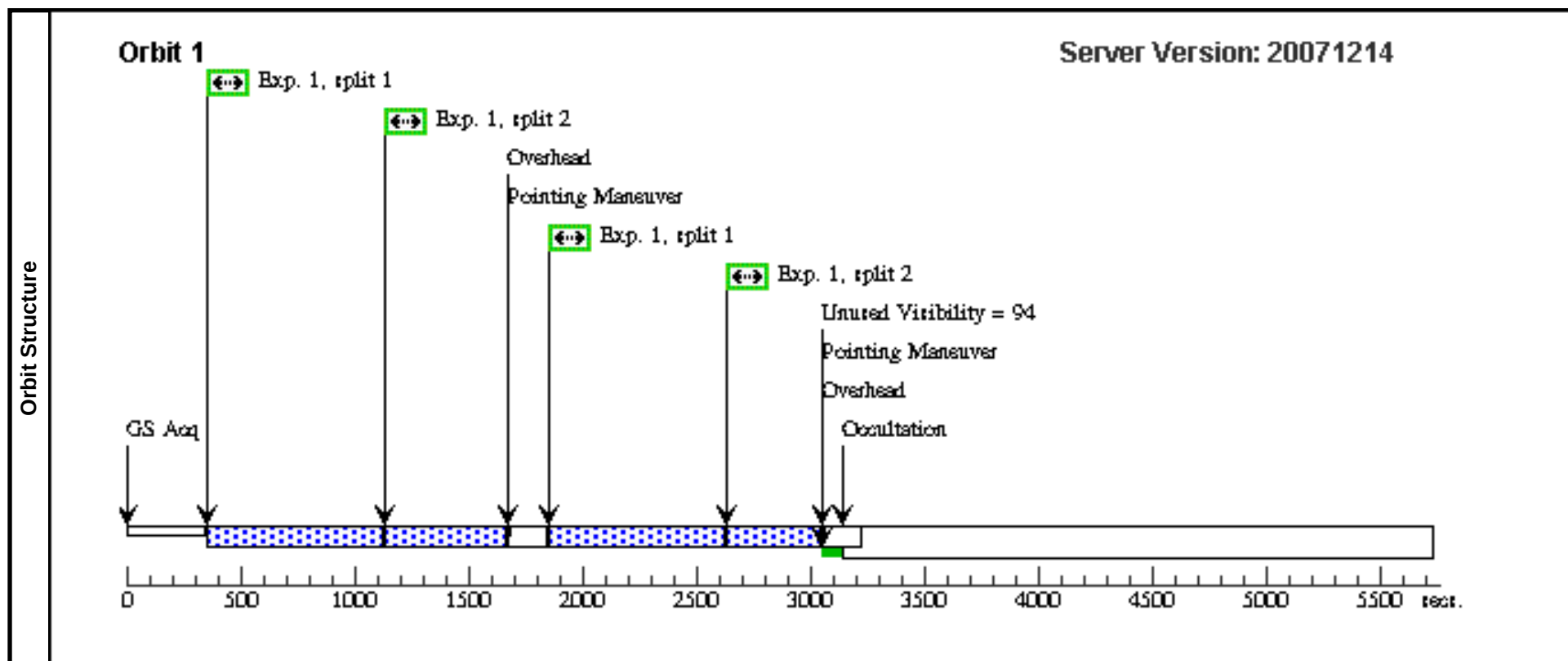


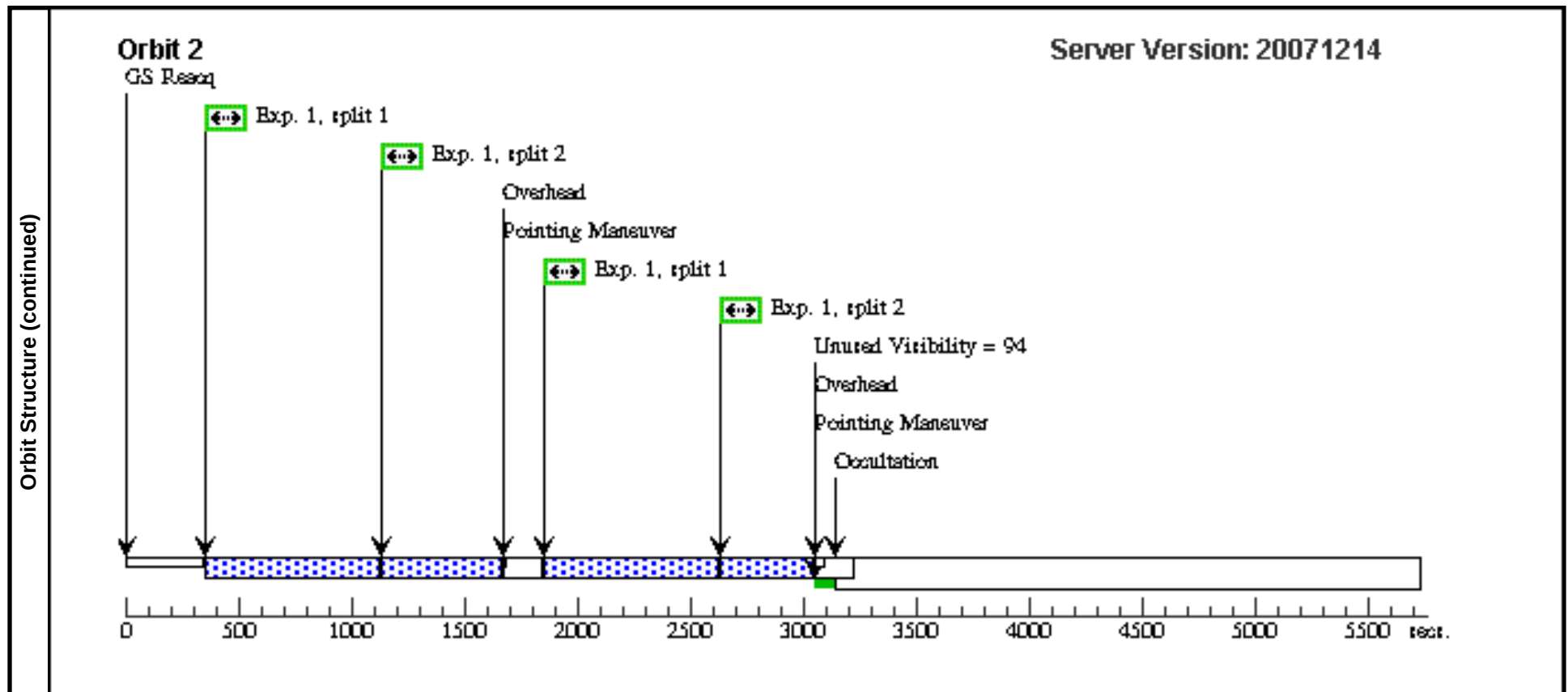
Proposal 11222 - Visit 05 - Direct Detection and Mapping of Star Forming Regions in Nearby, Luminous Quasars

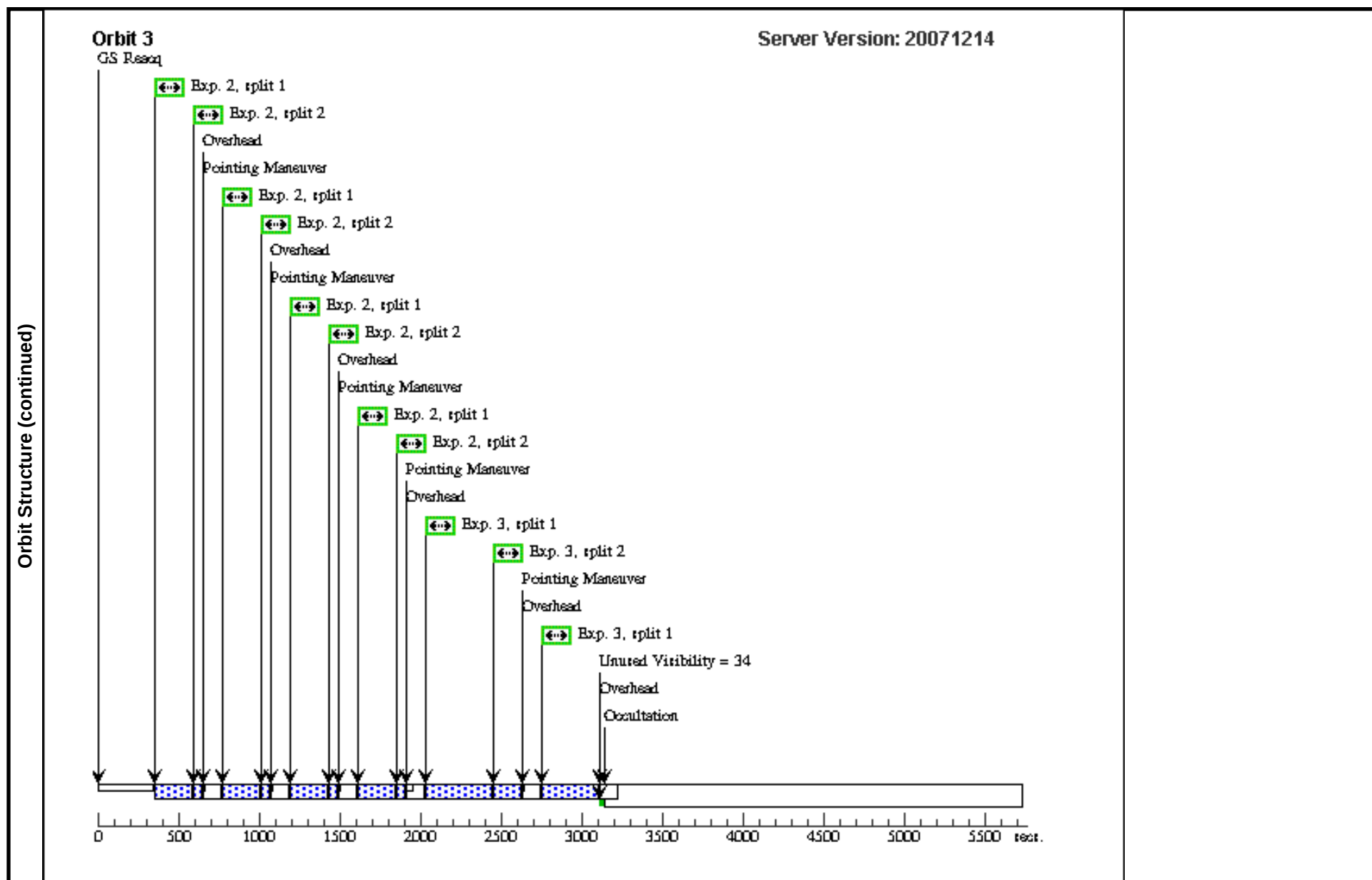
Visit	Proposal 11222, Visit 05, implementation					Fri Jan 18 09:26:32 GMT 2008					
	Diagnostic Status: Warning										
	Scientific Instruments: WFPC2										
	Special Requirements: (none)										
Diagnostics	(Visit 05) Warning (OP): EXPOSURE TIME DECREASED FOR WFPC										
	(Visit 05) Warning (OP): EXPOSURE TIME DECREASED FOR WFPC										
	(Visit 05) Warning (OP): EXPOSURE TIME DECREASED FOR WFPC										
	(Visit 05) Warning (OP): EXPOSURE TIME DECREASED FOR WFPC										
	(Visit 05) Warning (OP): EXPOSURE TIME DECREASED FOR WFPC										
	([O III] (05.003)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.										
(Hb (05.004)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(2)	Pattern Type=WFPC2-BOX		Coordinate Frame=POS-TARG						(1), (2), (3), (4)	
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		
	(5)	PG-1448+273	RA: 14 51 8.7800 (222.7865833d)				V=15.01+/-0.2		Reference Frame: ICRS		
	Dec: +27 09 26.70 (27.15742d)										
	Equinox: J2000										
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	[O II]	(5) PG-1448+273	WFPC2, IMAGE, WF2	FQUVN	CR-SPLIT=.5		Pattern 1-1 (2)	900.0 Secs		
										[==>500.0 Secs (Pattern 1, Split 1)]	[1]
										[==>500.0 Secs (Pattern 1, Split 2)]	
										[==>500.0 Secs (Pattern 2, Split 1)]	
										[==>400.0 Secs (Pattern 2, Split 2)]	[2]
										[==>500.0 Secs (Pattern 3, Split 1)]	
									[==>500.0 Secs (Pattern 3, Split 2)]		
									[==>500.0 Secs (Pattern 4, Split 1)]		
									[==>(Pattern 4, Split 2)]		

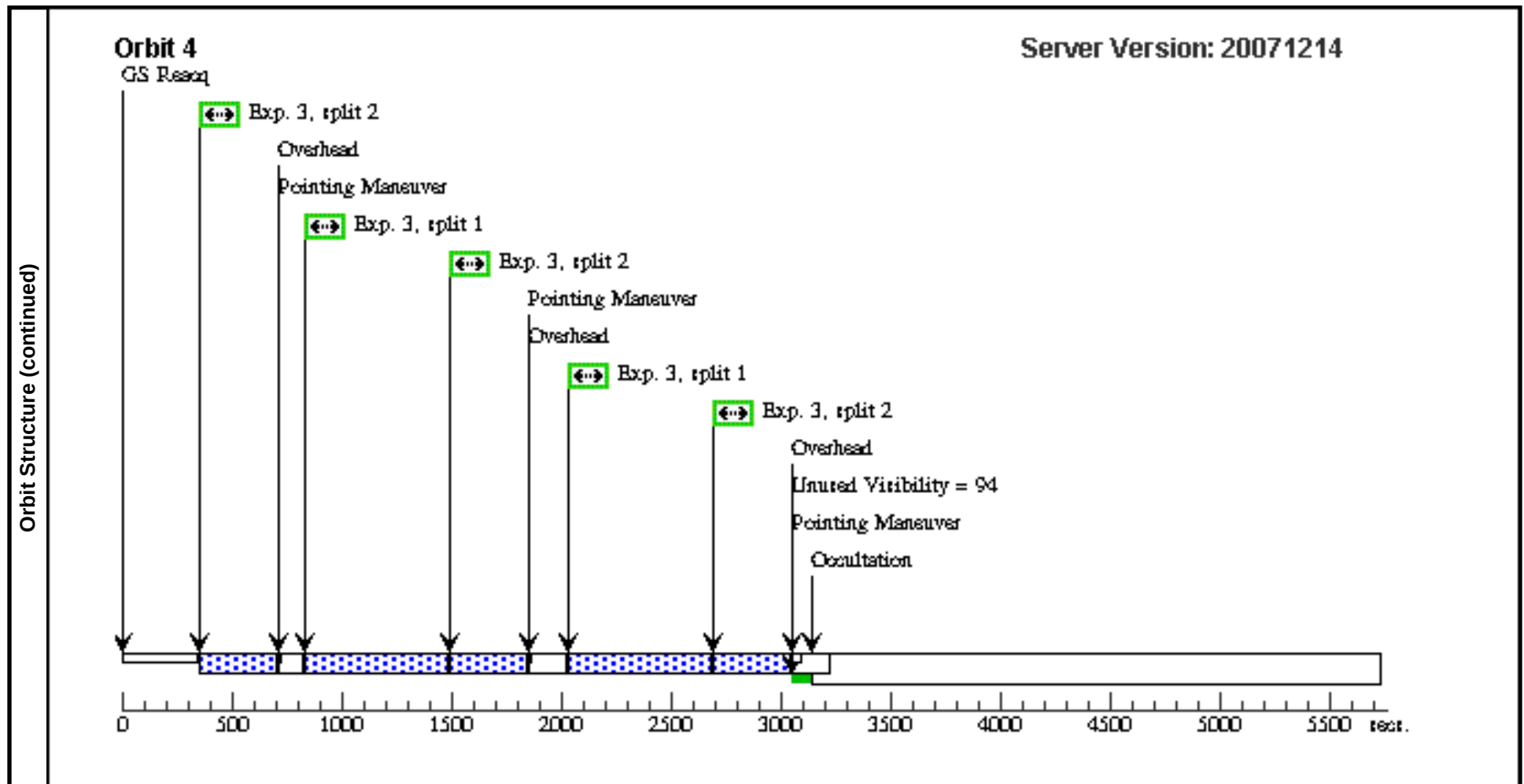
Proposal 11222 - Visit 05 - Direct Detection and Mapping of Star Forming Regions in Nearby, Luminous Quasars

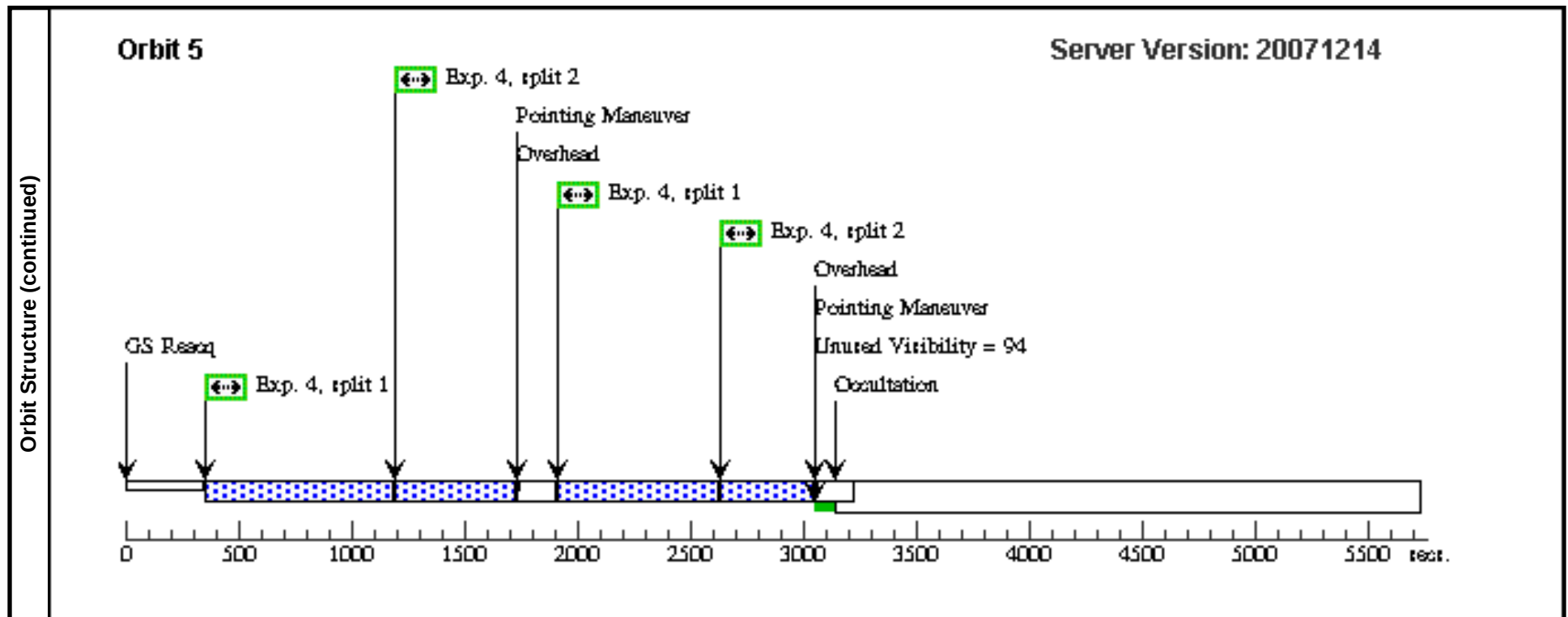
Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	2	continuum	(5) PG-1448+273	WFPC2, IMAGE, PC1	F467M	CR-SPLIT=.5		Pattern 2-2 (2)	80.0 Secs	
									[==>(Pattern 1, Split 1)]	
									[==>(Pattern 1, Split 2)]	
									[==>(Pattern 2, Split 1)]	
									[==>(Pattern 2, Split 2)]	
									[==>(Pattern 3, Split 1)]	[3]
									[==>(Pattern 3, Split 2)]	
									[==>(Pattern 4, Split 1)]	
									[==>(Pattern 4, Split 2)]	
	3	[O III]	(5) PG-1448+273	WFPC2, IMAGE, LRF	LRF 5332.0 A	CR-SPLIT=.5		Pattern 3-3 (2)	300.0 Secs	
									[==>(Pattern 1, Split 1)]	
									[==>(Pattern 1, Split 2)]	[3]
									[==>(Pattern 2, Split 1)]	
									[==>(Pattern 2, Split 2)]	
									[==>300.0 Secs (Pattern 3, Split 1)]	
									[==>300.0 Secs (Pattern 3, Split 2)]	[4]
									[==>300.0 Secs (Pattern 4, Split 1)]	
									[==>300.0 Secs (Pattern 4, Split 2)]	
	4	Hb	(5) PG-1448+273	WFPC2, IMAGE, LRF	LRF 5177.0 A	CR-SPLIT=.5		Pattern 4-4 (2)	800.0 Secs	
									[==>500.0 Secs (Pattern 1, Split 1)]	
									[==>500.0 Secs (Pattern 1, Split 2)]	[5]
									[==>(Pattern 2, Split 1)]	
									[==>(Pattern 2, Split 2)]	
									[==>500.0 Secs (Pattern 3, Split 1)]	
									[==>500.0 Secs (Pattern 3, Split 2)]	[6]
									[==>(Pattern 4, Split 1)]	
									[==>(Pattern 4, Split 2)]	

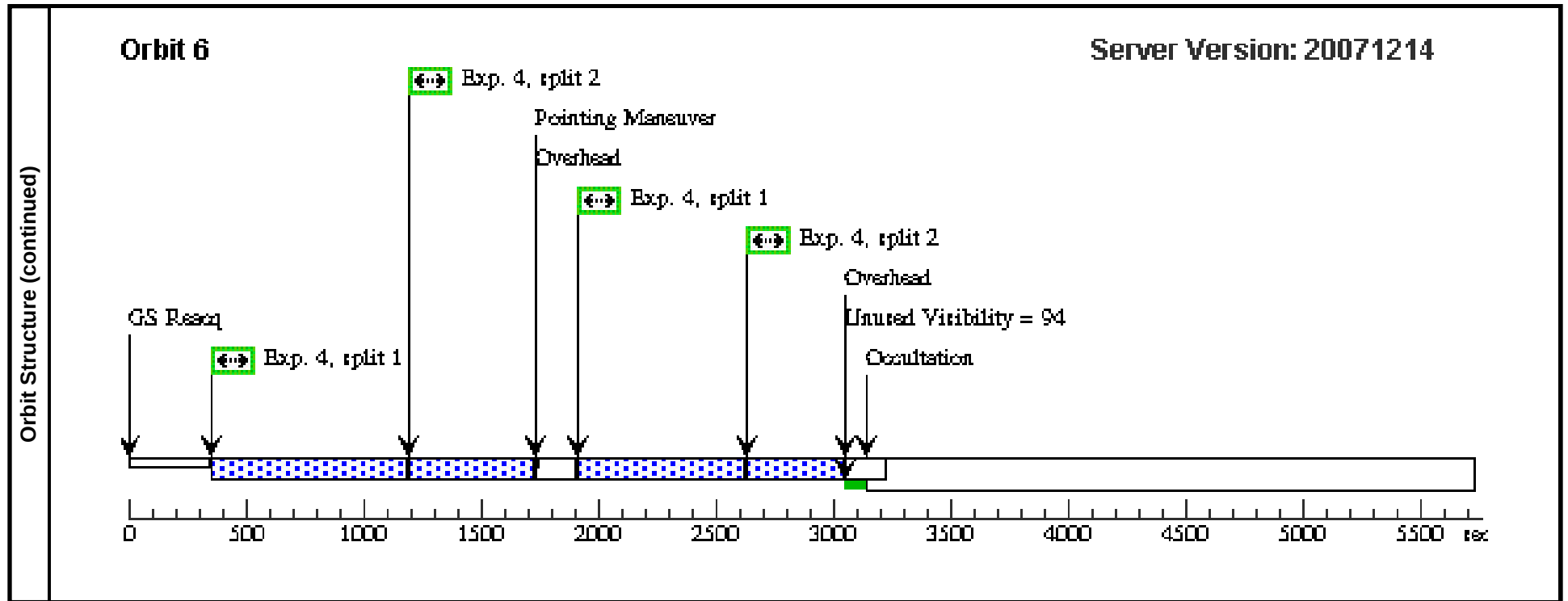










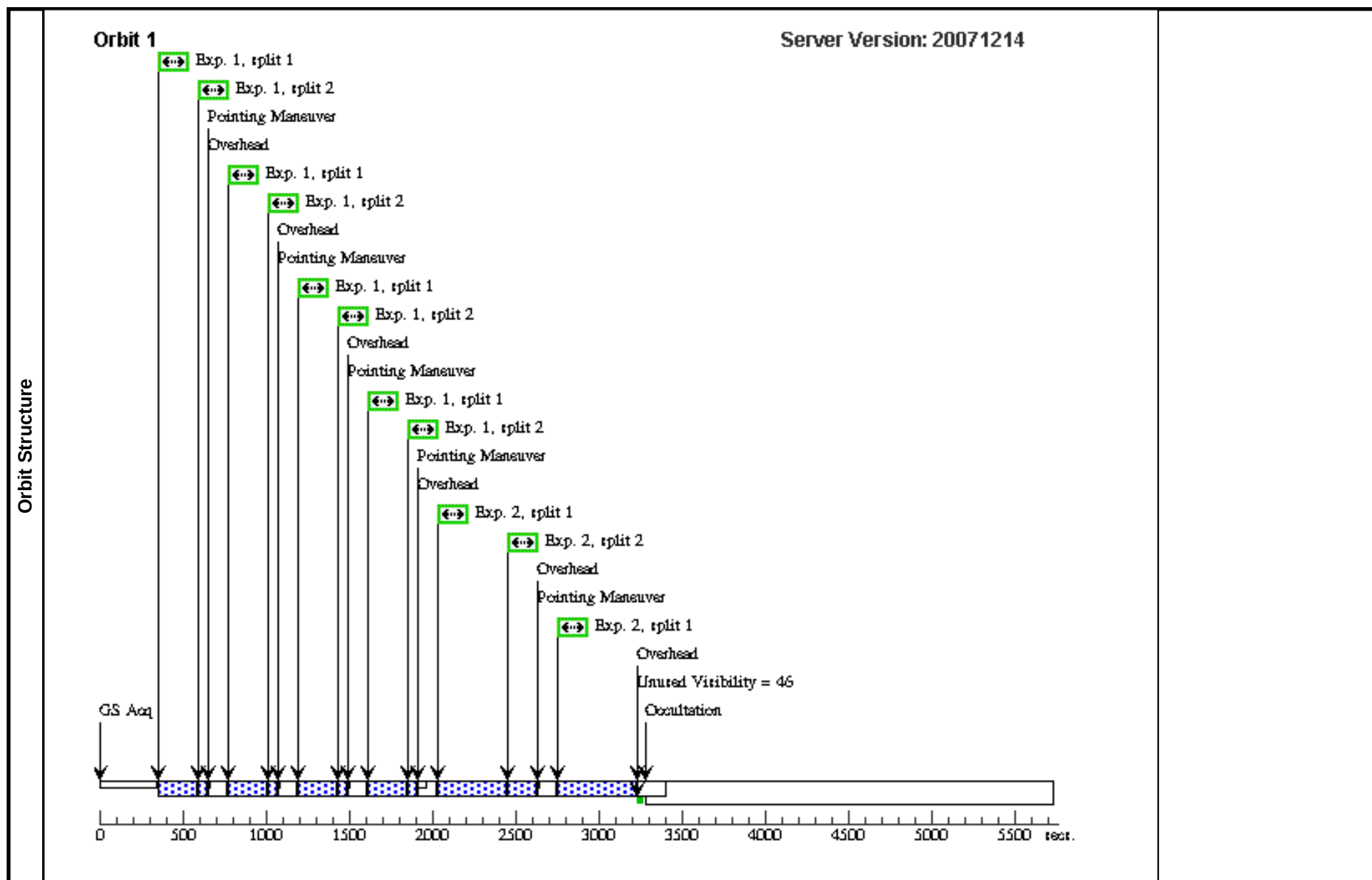


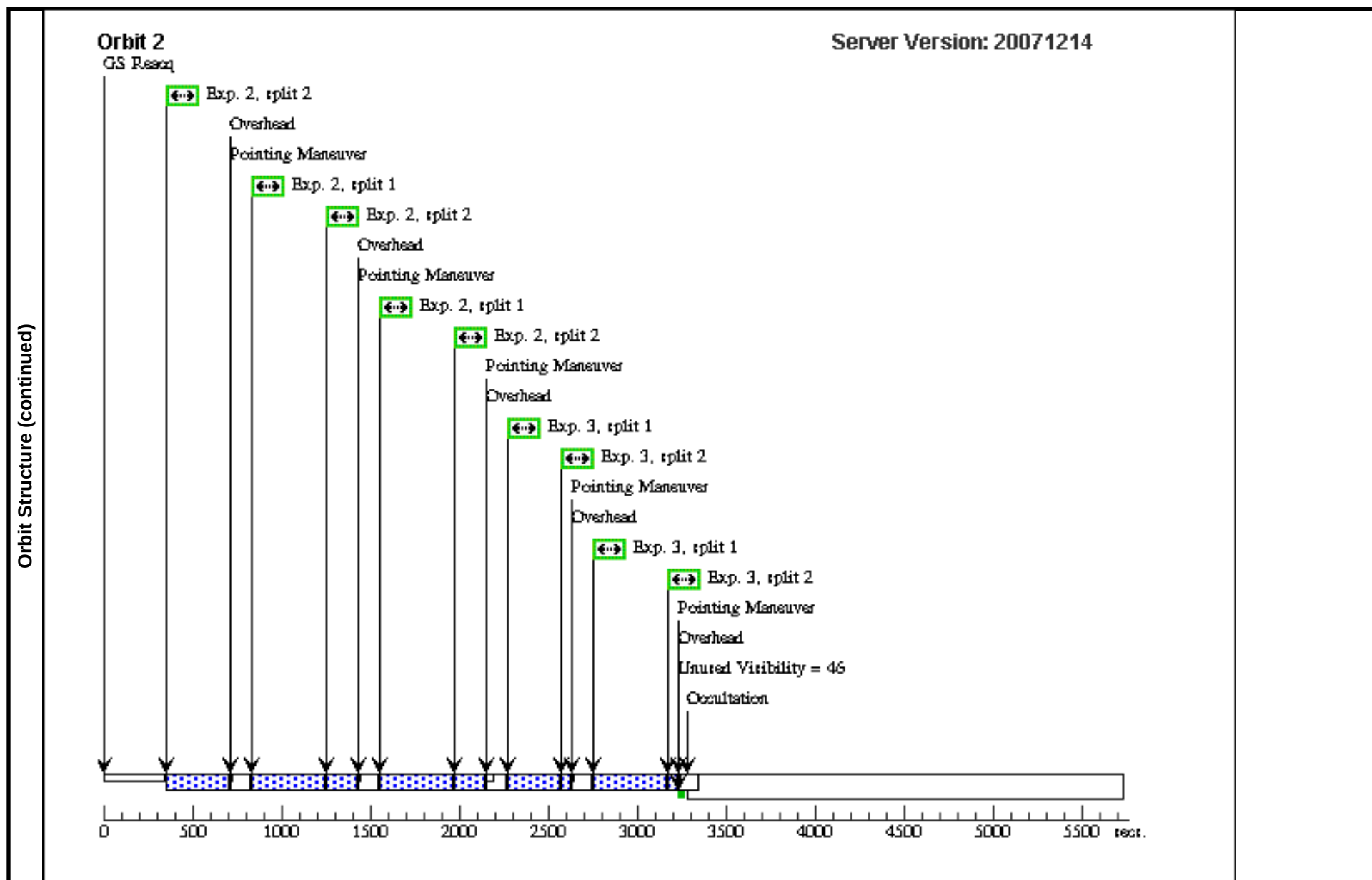
Proposal 11222 - Visit 06 - Direct Detection and Mapping of Star Forming Regions in Nearby, Luminous Quasars

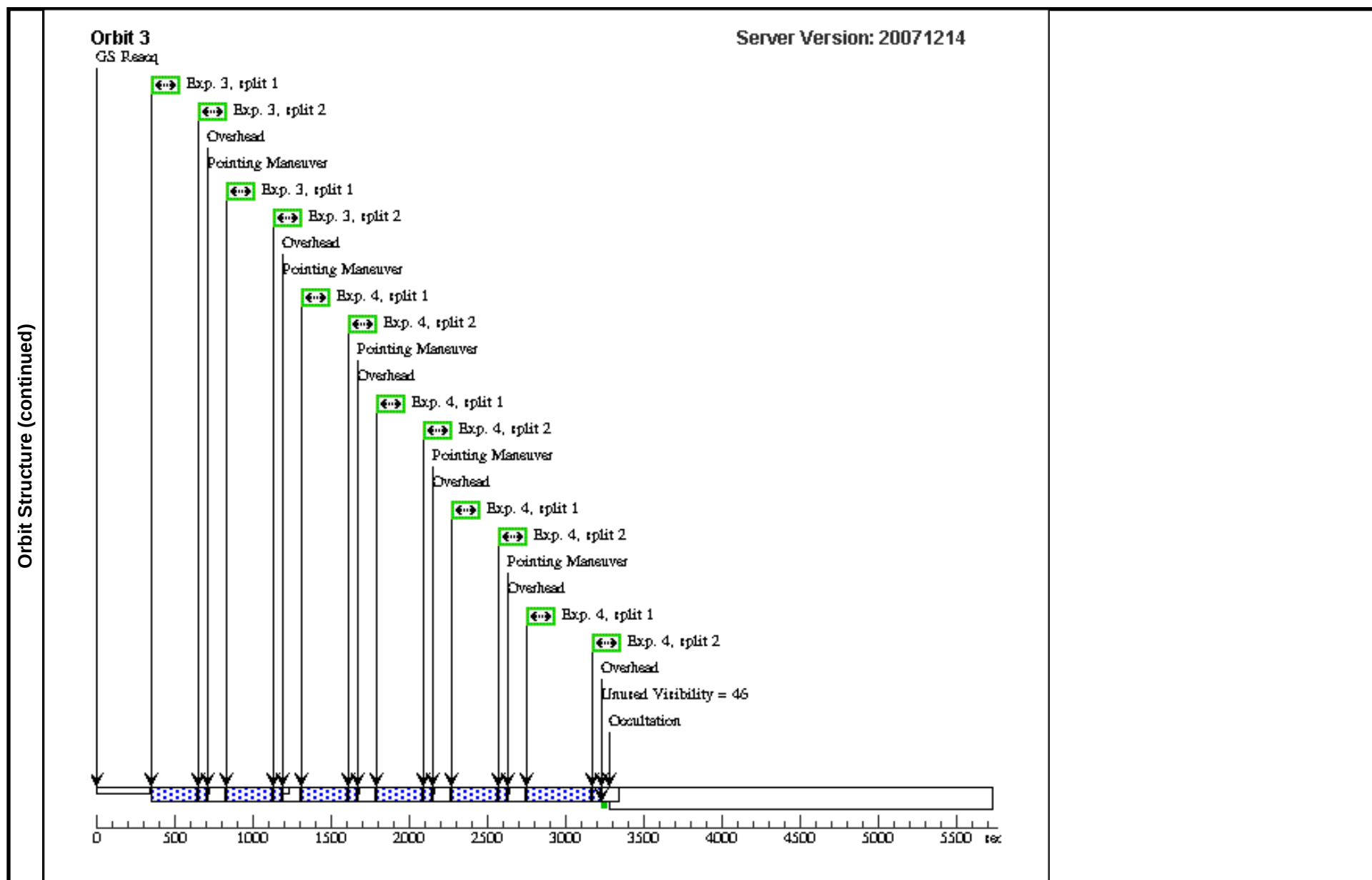
Visit	Proposal 11222, Visit 06, implementation										Fri Jan 18 09:26:33 GMT 2008	
	Diagnostic Status: Warning											
	Scientific Instruments: WFPC2											
	Special Requirements: (none)											
Diagnostics	([O II] (06.002)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.											
	(Hb (06.003)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.											
	([O III] (06.004)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures		
	(2)	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), (2), (3), (4)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(6)	PG-1613+658	RA: 16 13 57.2000 (243.4883333d) Dec: +65 43 10.00 (65.71944d) Equinox: J2000				V=15.49+/-0.2		Reference Frame: ICRS			
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit	
	1	continuum	(6) PG-1613+658	WFPC2, IMAGE, WF2	F467M	CR-SPLIT=.5		Pattern 1-1 (2)	60.0 Secs [==>(Pattern 1, Split 1)] [==>(Pattern 1, Split 2)] [==>(Pattern 2, Split 1)] [==>(Pattern 2, Split 2)] [==>(Pattern 3, Split 1)] [==>(Pattern 3, Split 2)] [==>(Pattern 4, Split 1)] [==>(Pattern 4, Split 2)]		[1]	

Proposal 11222 - Visit 06 - Direct Detection and Mapping of Star Forming Regions in Nearby, Luminous Quasars

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	2	[O II]	(6) PG-1613+658	WFPC2, IMAGE, LRF	LRF 4208.0 A	CR-SPLIT=.5		Pattern 2-2 (2)	320.0 Secs	
									[==>(Pattern 1, Split 1)] [==>(Pattern 1, Split 2)] [==>260.0 Secs (Pattern 2, Split 1)]	[1]
									[==>(Pattern 2, Split 2)] [==>(Pattern 3, Split 1)] [==>(Pattern 3, Split 2)] [==>(Pattern 4, Split 1)] [==>(Pattern 4, Split 2)]	[2]
	3	Hb	(6) PG-1613+658	WFPC2, IMAGE, LRF	LRF 5488.0 A	CR-SPLIT=.5		Pattern 3-3 (2)	80.0 Secs	
									[==>(Pattern 1, Split 1)] [==>(Pattern 1, Split 2)] [==>160.0 Secs (Pattern 2, Split 1)] [==>(Pattern 2, Split 2)]	[2]
									[==>(Pattern 3, Split 1)] [==>(Pattern 3, Split 2)] [==>(Pattern 4, Split 1)] [==>(Pattern 4, Split 2)]	[3]
	4	[O III]	(6) PG-1613+658	WFPC2, IMAGE, LRF	LRF 5653.0 A	CR-SPLIT=.5		Pattern 4-4 (2)	80.0 Secs	
									[==>(Pattern 1, Split 1)] [==>(Pattern 1, Split 2)] [==>(Pattern 2, Split 1)] [==>(Pattern 2, Split 2)] [==>(Pattern 3, Split 1)] [==>(Pattern 3, Split 2)] [==>160.0 Secs (Pattern 4, Split 1)] [==>(Pattern 4, Split 2)]	[3]





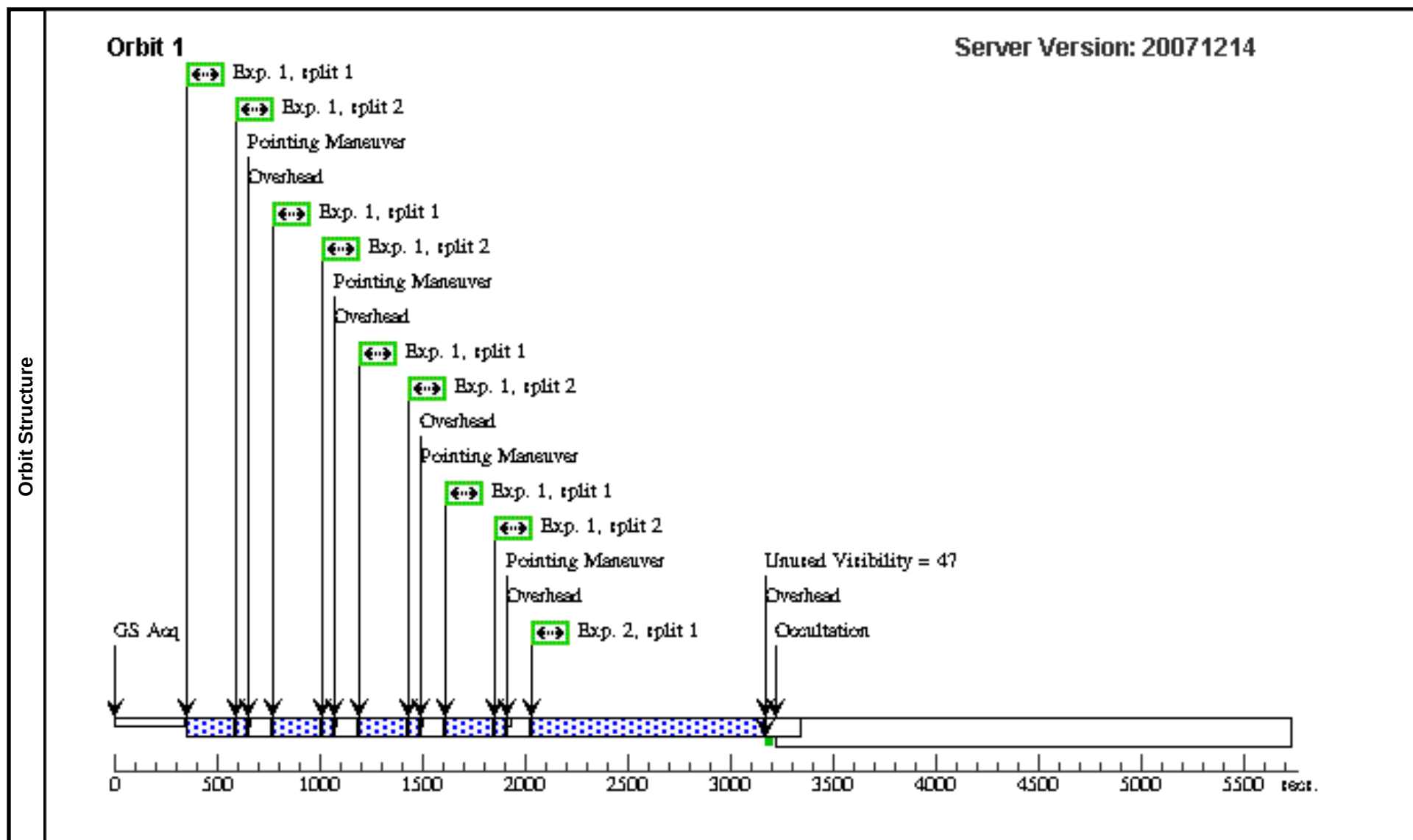


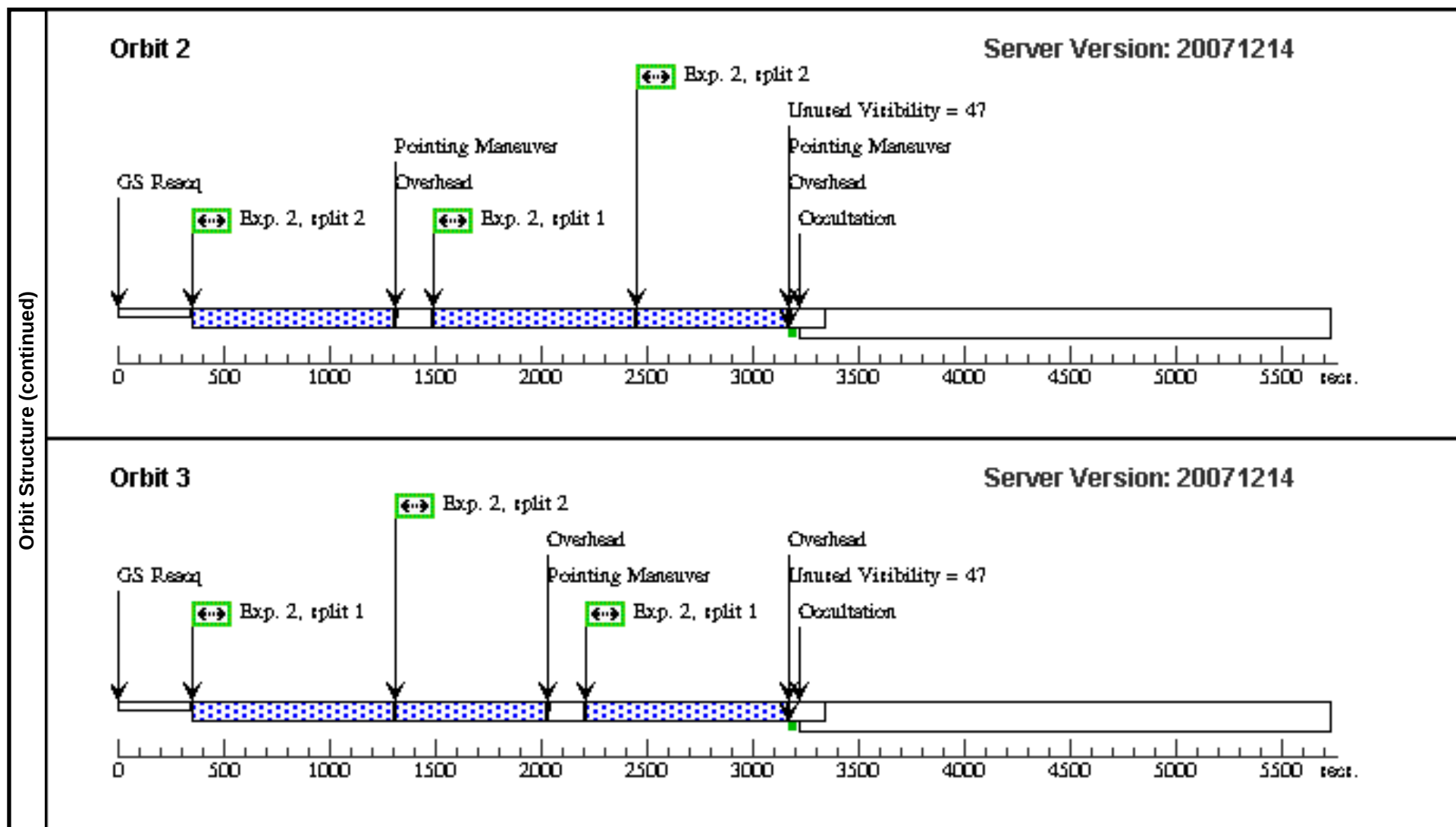
Proposal 11222 - Visit 07 - Direct Detection and Mapping of Star Forming Regions in Nearby, Luminous Quasars

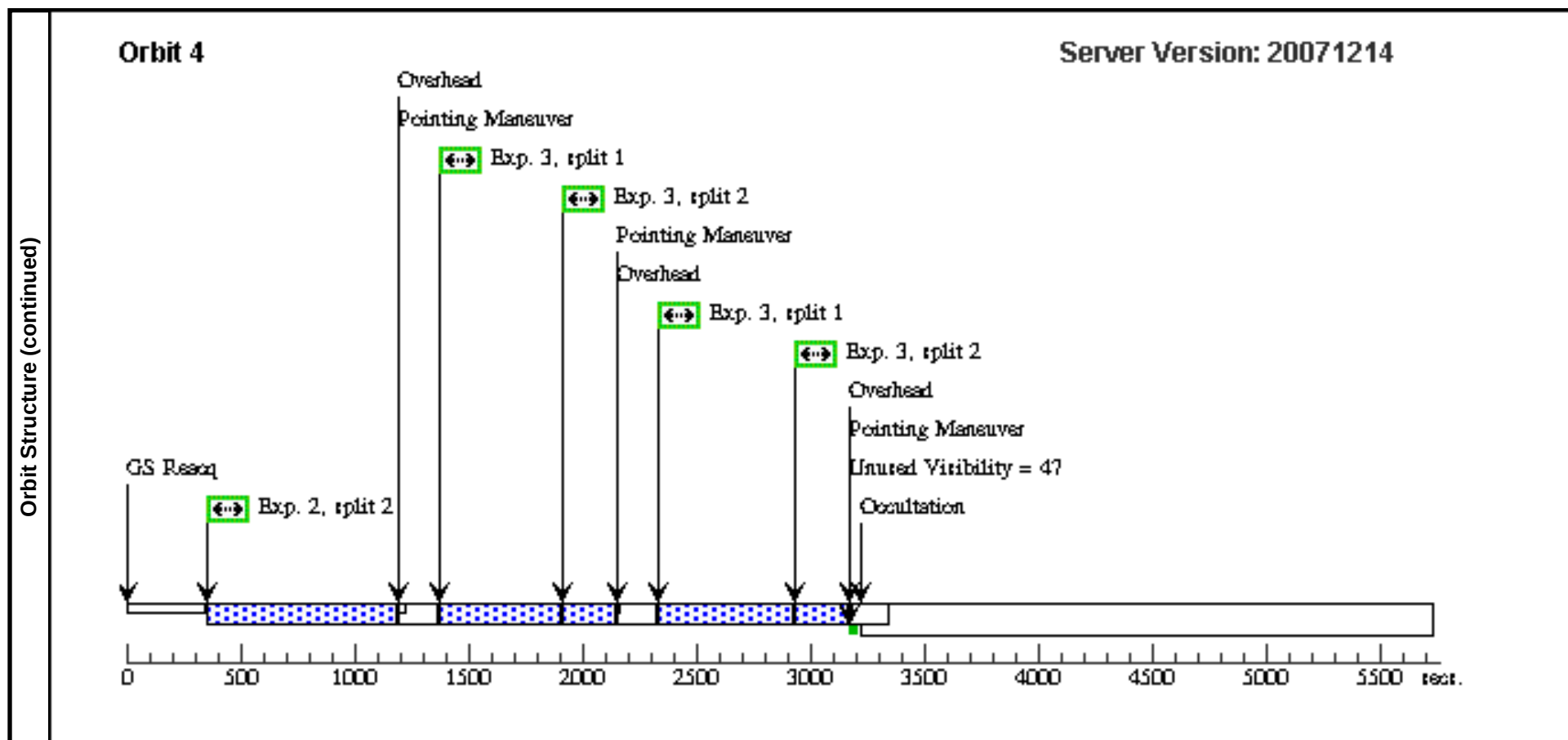
Visit	Proposal 11222, Visit 07, implementation										Fri Jan 18 09:26:34 GMT 2008		
	Diagnostic Status: Warning												
	Scientific Instruments: WFPC2												
	Special Requirements: (none)												
Diagnostics	([O II] (07.002)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.												
	(Hb (07.003)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.												
	([O III] (07.004)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(2)	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), (2), (3), (4)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections			Fluxes		Miscellaneous		
	(7)	PG-1626+554		RA: 16 27 56.0900 (246.9837083d)					V=16.17+/-0.2		Reference Frame: ICRS		
				Dec: +55 22 31.70 (55.37547d)									
				Equinox: J2000									
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.												
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit	
	1	continuum	(7) PG-1626+554	WFPC2, IMAGE, WF3		F467M	CR-SPLIT=.5		Pattern 1-1 (2)	60.0 Secs		[1]	
										[==>40.0 Secs (Pattern 1, Split 1)]			
										[==>40.0 Secs (Pattern 1, Split 2)]			
										[==>40.0 Secs (Pattern 2, Split 1)]			
										[==>40.0 Secs (Pattern 2, Split 2)]			
										[==>40.0 Secs (Pattern 3, Split 1)]			
										[==>40.0 Secs (Pattern 3, Split 2)]			
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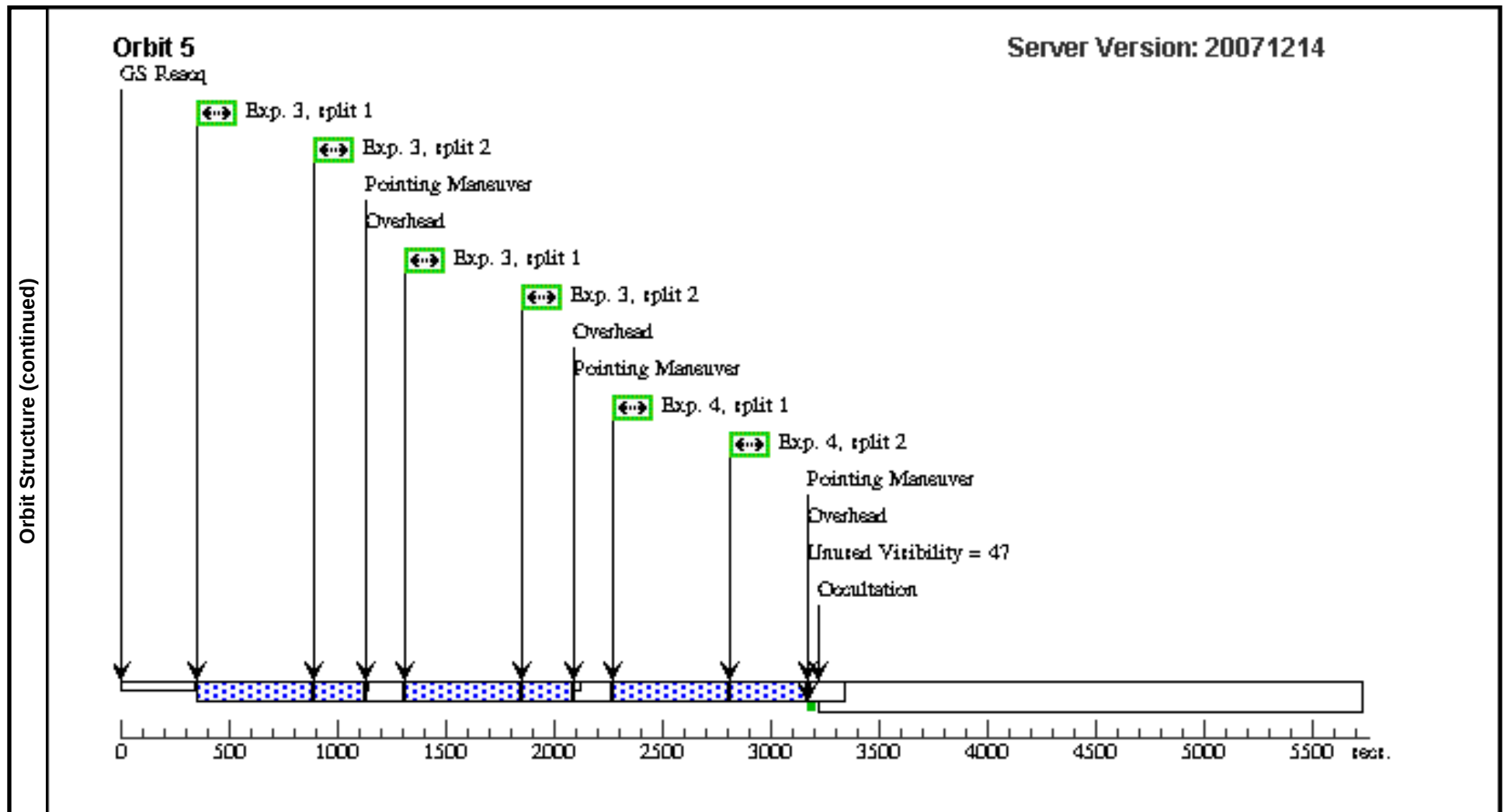
Proposal 11222 - Visit 07 - Direct Detection and Mapping of Star Forming Regions in Nearby, Luminous Quasars

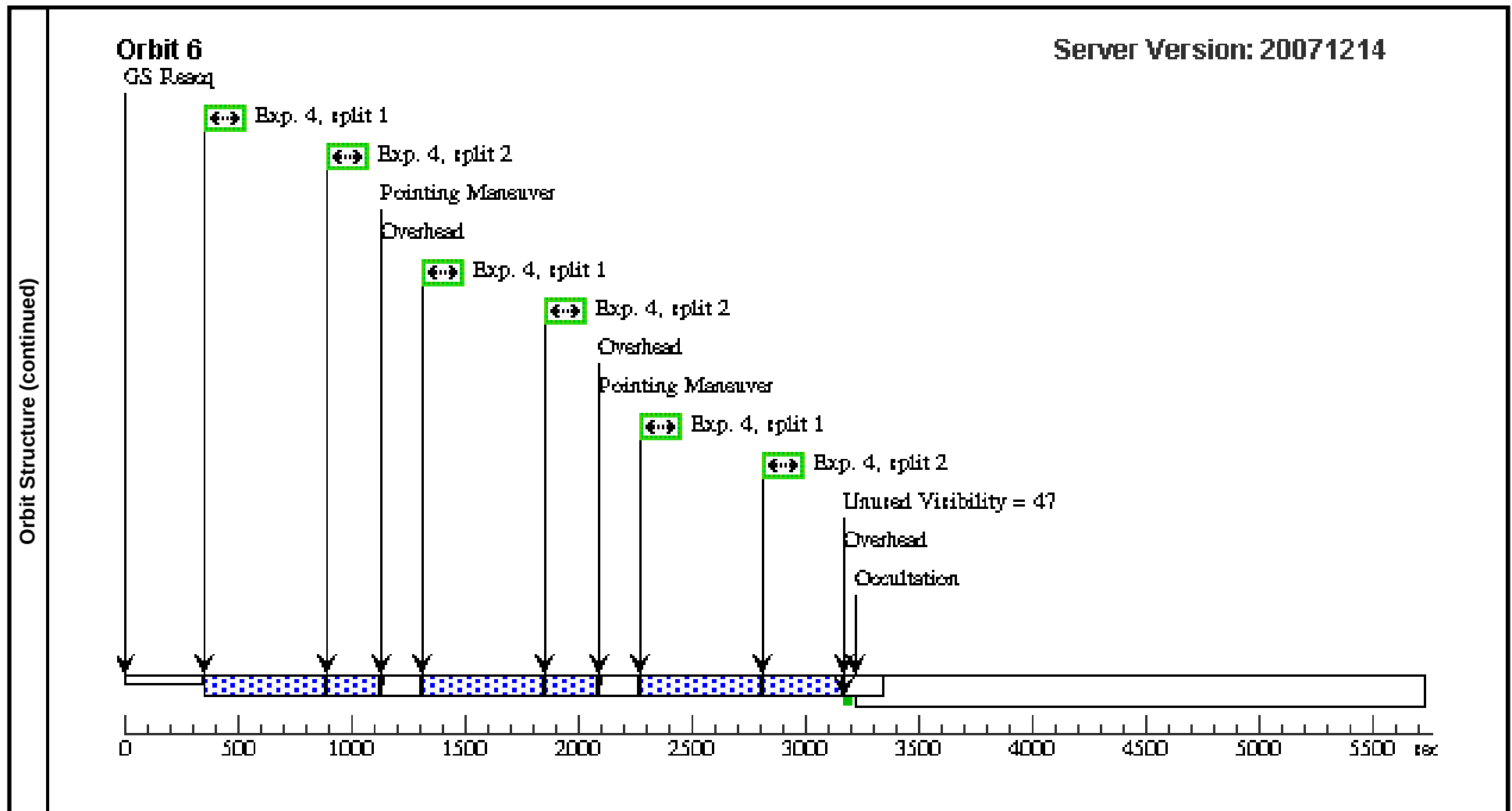
Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	2	[O II]	(7) PG-1626+554	WFPC2, IMAGE, LRF	LRF 4223.0 A	CR-SPLIT=.5		Pattern 2-2 (2)	1500.0 Secs	
									[==>1000.0 Secs (Pattern 1, Split 1)]	[1]
									[==>800.0 Secs (Pattern 1, Split 2)]	
									[==>700.0 Secs (Pattern 2, Split 1)]	[2]
									[==>700.0 Secs (Pattern 2, Split 2)]	
									[==>700.0 Secs (Pattern 3, Split 1)]	
									[==>700.0 Secs (Pattern 3, Split 2)]	[3]
									[==>800.0 Secs (Pattern 4, Split 1)]	
									[==>700.0 Secs (Pattern 4, Split 2)]	[4]
	3	Hb	(7) PG-1626+554	WFPC2, IMAGE, LRF	LRF 5508.0 A	CR-SPLIT=.5		Pattern 3-3 (2)	400.0 Secs	
									[==>200.0 Secs (Pattern 1, Split 1)]	
									[==>200.0 Secs (Pattern 1, Split 2)]	
									[==>260.0 Secs (Pattern 2, Split 1)]	[4]
									[==>200.0 Secs (Pattern 2, Split 2)]	
									[==>200.0 Secs (Pattern 3, Split 1)]	
									[==>200.0 Secs (Pattern 3, Split 2)]	
									[==>200.0 Secs (Pattern 4, Split 1)]	[5]
									[==>200.0 Secs (Pattern 4, Split 2)]	
	4	[O III]	(7) PG-1626+554	WFPC2, IMAGE, LRF	LRF 5673.0 A	CR-SPLIT=.5		Pattern 4-4 (2)	400.0 Secs	
									[==>200.0 Secs (Pattern 1, Split 1)]	
									[==>300.0 Secs (Pattern 1, Split 2)]	[5]
									[==>200.0 Secs (Pattern 2, Split 1)]	
									[==>200.0 Secs (Pattern 2, Split 2)]	
									[==>200.0 Secs (Pattern 3, Split 1)]	
									[==>200.0 Secs (Pattern 3, Split 2)]	
									[==>200.0 Secs (Pattern 4, Split 1)]	[6]
									[==>300.0 Secs (Pattern 4, Split 2)]	









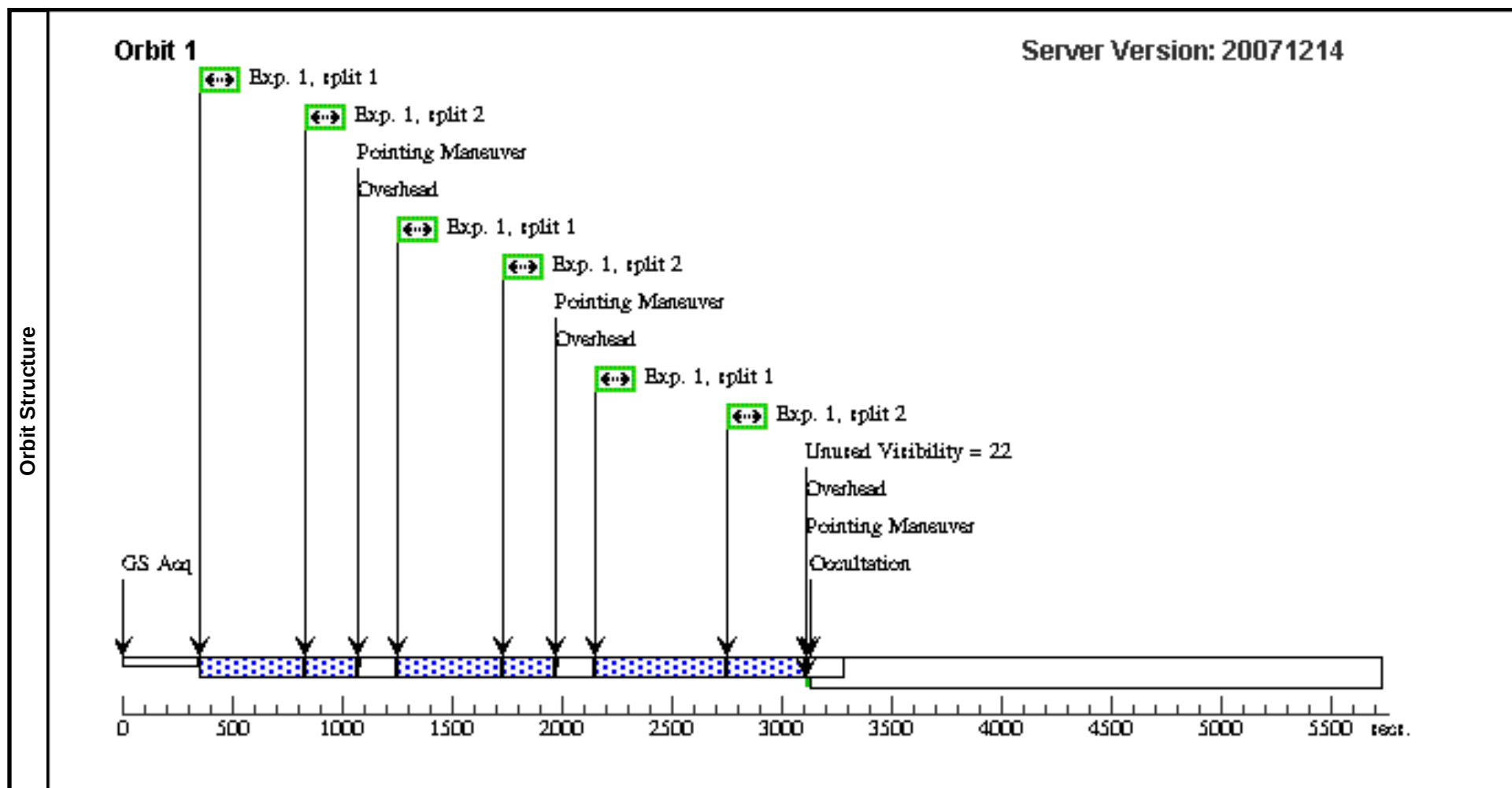


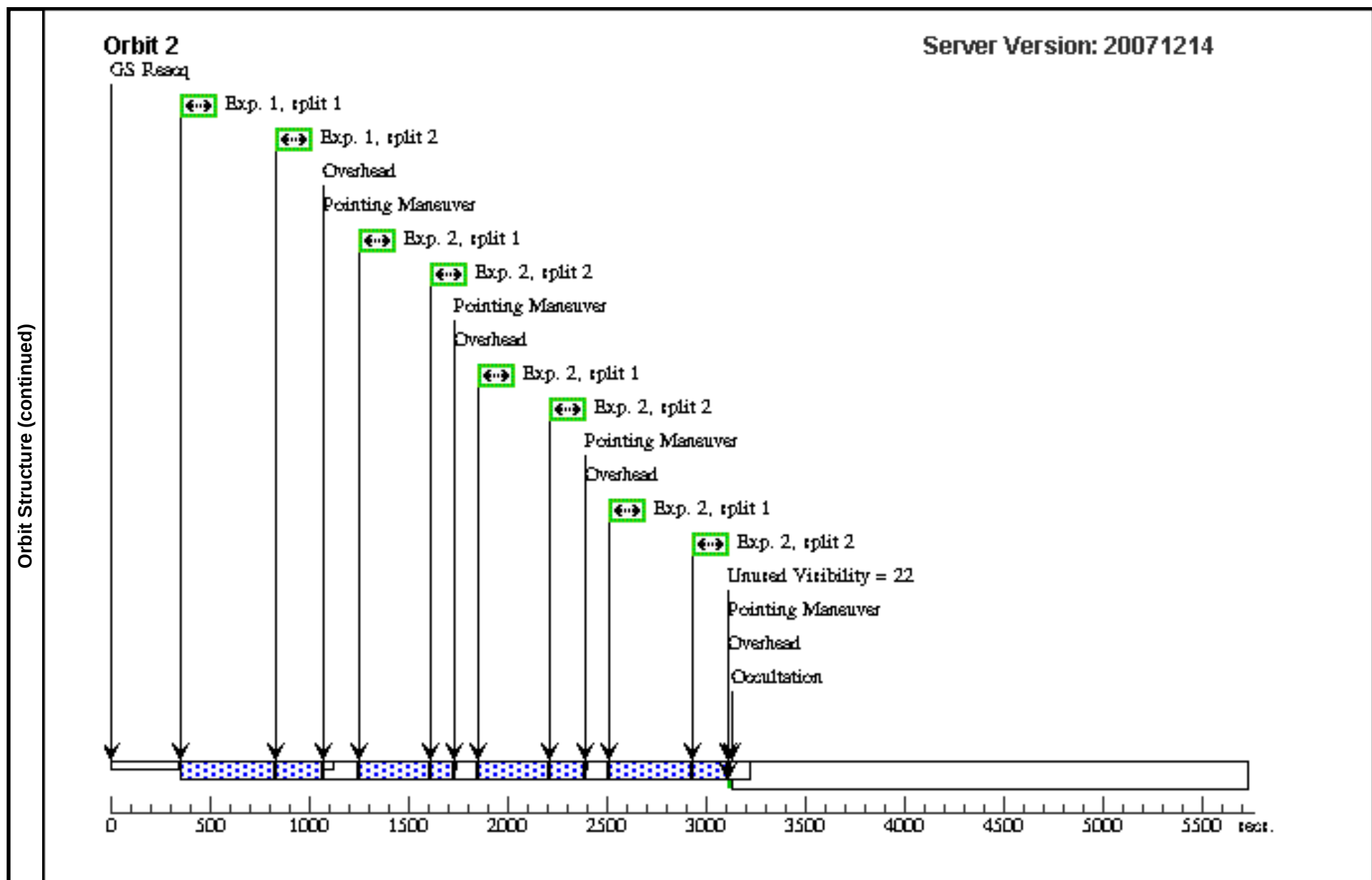
Proposal 11222 - Visit 08 - Direct Detection and Mapping of Star Forming Regions in Nearby, Luminous Quasars

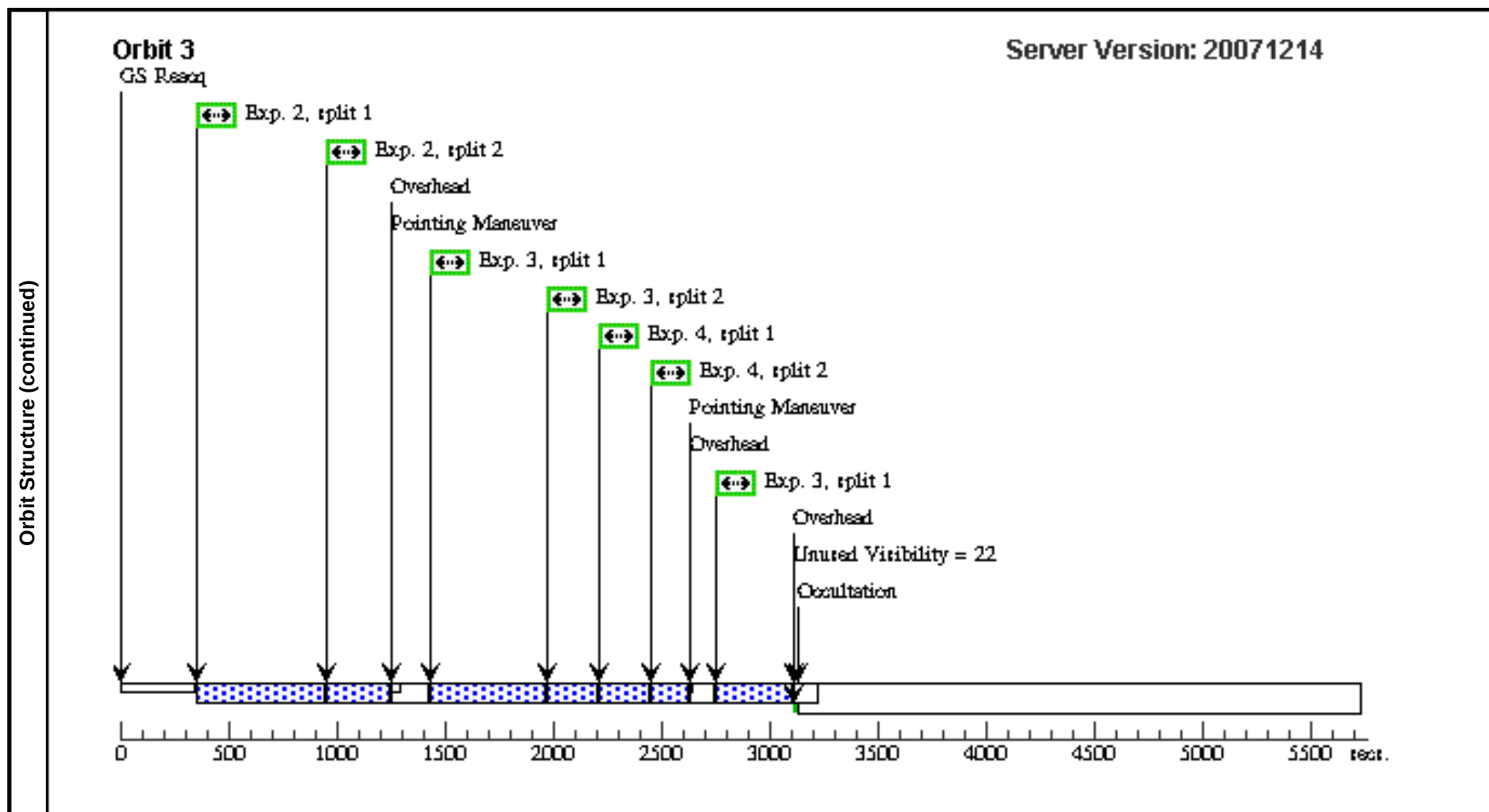
Visit	Proposal 11222, Visit 08, implementation										Fri Jan 18 09:26:36 GMT 2008			
	Diagnostic Status: Warning													
	Scientific Instruments: WFPC2													
	Special Requirements: (none)													
Diagnosics	([O III] (08.002)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures. (Hb (08.003)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures. (Hb (08.004)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.													
Patterns	#	Primary Pattern					Secondary Pattern					Exposures		
	(2)	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), (2), (3-4), (5)		
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous				
	(8)	PG-2214+139		RA: 22 17 12.2610 (334.3010875d) Dec: +14 14 21.06 (14.23918d) Equinox: J2000				V=14.66+/-0.2		Reference Frame: ICRS				
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.													
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit		
	1	[O II]	(8) PG-2214+139	WFPC2, IMAGE, WF2		FQUVN 3972.0 A	CR-SPLIT=.5		Pattern 1-1 (2)	400.0 Secs				
											[==>200.0 Secs (Pattern 1, Split 1)]	[1]		
											[==>200.0 Secs (Pattern 1, Split 2)]			
											[==>200.0 Secs (Pattern 2, Split 1)]			
											[==>200.0 Secs (Pattern 2, Split 2)]			
											[==>300.0 Secs (Pattern 3, Split 1)]			
											[==>300.0 Secs (Pattern 3, Split 2)]			
											[==>200.0 Secs (Pattern 4, Split 1)]	[2]		
											[==>200.0 Secs (Pattern 4, Split 2)]			

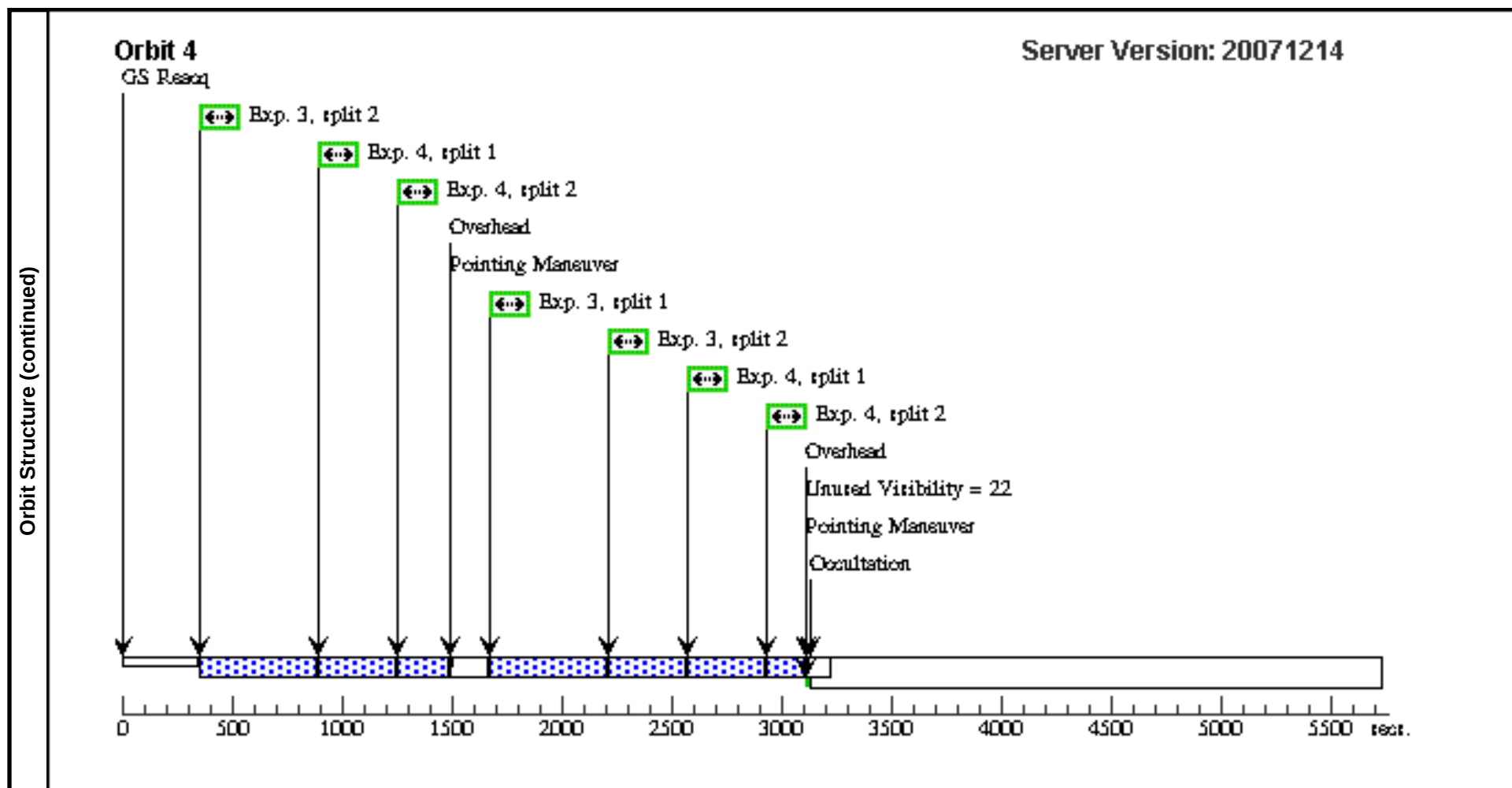
Proposal 11222 - Visit 08 - Direct Detection and Mapping of Star Forming Regions in Nearby, Luminous Quasars

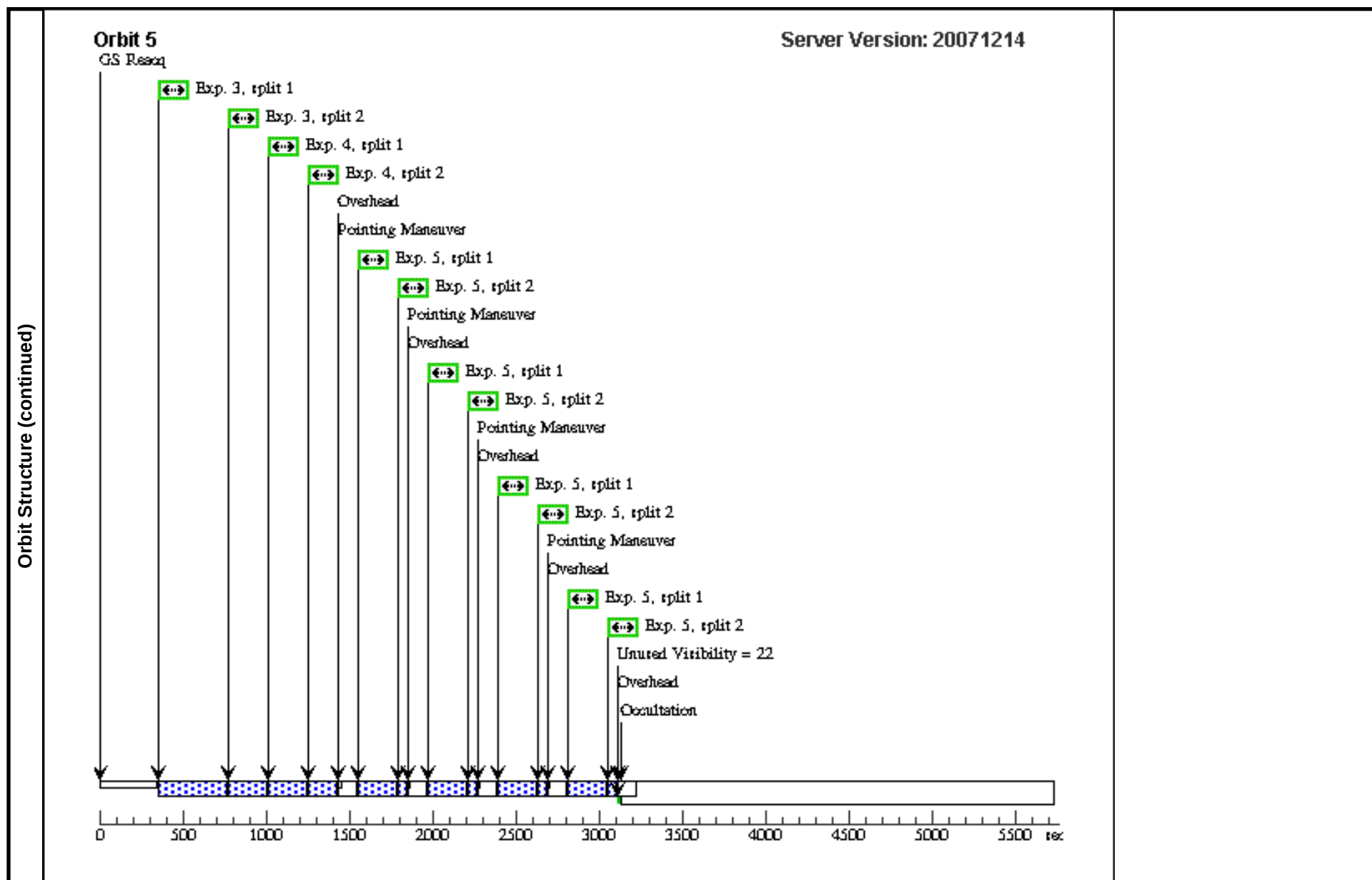
Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	2	[O III]	(8) PG-2214+139	WFPC2, IMAGE, LRF	LRF 5336.0 A	CR-SPLIT=.5		Pattern 2-2 (2)	200.0 Secs [==>100.0 Secs (Pattern 1, Split 1)] [==>100.0 Secs (Pattern 1, Split 2)] [==>100.0 Secs (Pattern 2, Split 1)] [==>160.0 Secs (Pattern 2, Split 2)] [==>160.0 Secs (Pattern 3, Split 1)] [==>160.0 Secs (Pattern 3, Split 2)]	[2]
									[==>260.0 Secs (Pattern 4, Split 1)] [==>260.0 Secs (Pattern 4, Split 2)]	[3]
	3	Hb	(8) PG-2214+139	WFPC2, IMAGE, LRF	LRF 5181.0 A	CR-SPLIT=.5		Pattern 3-4 (2)	320.0 Secs [==>200.0 Secs (Pattern 1, Split 1)] [==>160.0 Secs (Pattern 1, Split 2)] [==>160.0 Secs (Pattern 2, Split 1)]	[3]
									[==>200.0 Secs (Pattern 2, Split 2)] [==>200.0 Secs (Pattern 3, Split 1)] [==>200.0 Secs (Pattern 3, Split 2)]	[4]
									[==>160.0 Secs (Pattern 4, Split 1)] [==>160.0 Secs (Pattern 4, Split 2)]	[5]
	4	Hb	(8) PG-2214+139	WFPC2, IMAGE, LRF	LRF 5181.0 A	CR-SPLIT=.5		Pattern 3-4 (2)	320.0 Secs [==>160.0 Secs (Pattern 1, Split 1)] [==>160.0 Secs (Pattern 1, Split 2)]	[3]
									[==>200.0 Secs (Pattern 2, Split 1)] [==>200.0 Secs (Pattern 2, Split 2)] [==>200.0 Secs (Pattern 3, Split 1)] [==>160.0 Secs (Pattern 3, Split 2)]	[4]
									[==>160.0 Secs (Pattern 4, Split 1)] [==>160.0 Secs (Pattern 4, Split 2)]	[5]
	5	continuum	(8) PG-2214+139	WFPC2, IMAGE, PC1	F467M	CR-SPLIT=.5		Pattern 5-5 (2)	60.0 Secs [==>40.0 Secs (Pattern 1, Split 1)] [==>40.0 Secs (Pattern 1, Split 2)] [==>40.0 Secs (Pattern 2, Split 1)] [==>40.0 Secs (Pattern 2, Split 2)] [==>40.0 Secs (Pattern 3, Split 1)] [==>40.0 Secs (Pattern 3, Split 2)] [==>40.0 Secs (Pattern 4, Split 1)] [==>40.0 Secs (Pattern 4, Split 2)]	[5]









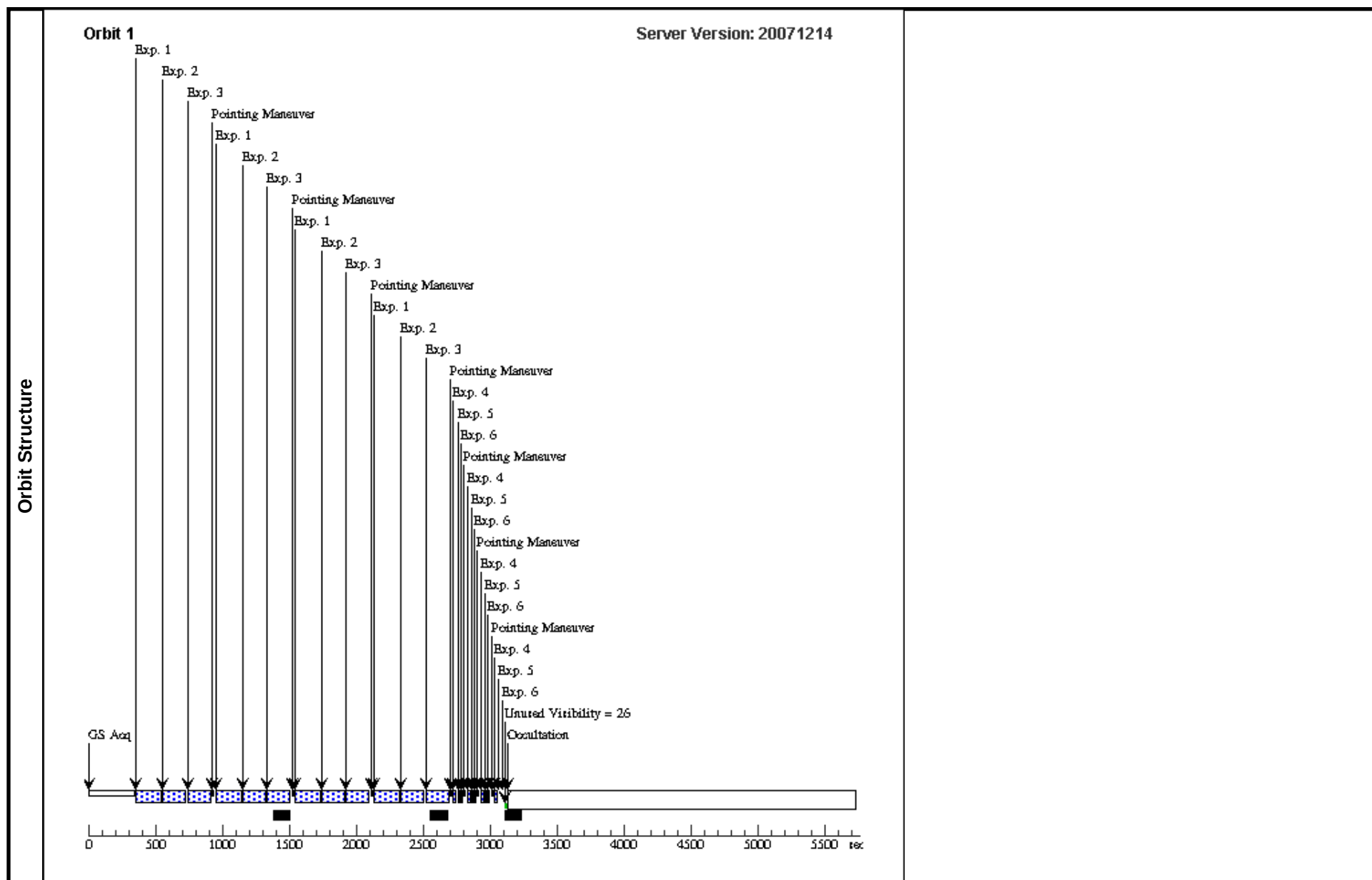


Proposal 11222 - Visit 09 - Direct Detection and Mapping of Star Forming Regions in Nearby, Luminous Quasars

Visit	Proposal 11222, Visit 09, implementation										Fri Jan 18 09:26:38 GMT 2008	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: NIC2											
	Special Requirements: (none)											
Patterns	#	Primary Pattern					Secondary Pattern				Exposures	
	(1)	Pattern Type=NIC-SPIRAL-DITH Purpose=BACKGROUND Number Of Points=4 Point Spacing=1.7 Line Spacing=			Coordinate Frame=POS-TARG Pattern Orientation=0.0 Angle Between Sides= Center Pattern=true						(1-3), (4-6)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	PG-0026+129		RA: 00 29 13.6900 (7.3070417d) Dec: +13 16 3.90 (13.26775d) Equinox: J2000				V=14.78+/-0.2		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.											
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	Pa-a	(1) PG-0026+129	NIC2, MULTIACCUM, NIC2		F215N	SAMP-SEQ=SPARS 16; NSAMP=13		Pattern 1-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]
	2	Pa-a	(1) PG-0026+129	NIC2, MULTIACCUM, NIC2		F215N	SAMP-SEQ=SPARS 16; NSAMP=13		Pattern 1-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]
	3	Pa-a	(1) PG-0026+129	NIC2, MULTIACCUM, NIC2		F215N	SAMP-SEQ=SPARS 16; NSAMP=13		Pattern 1-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]
	4	Pa-a cont	(1) PG-0026+129	NIC2, MULTIACCUM, NIC2		F237M	SAMP-SEQ=SPARS 4; NSAMP=5		Pattern 4-6 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]
	5	Pa-a cont	(1) PG-0026+129	NIC2, MULTIACCUM, NIC2		F237M	SAMP-SEQ=SPARS 4; NSAMP=5		Pattern 4-6 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]

Proposal 11222 - Visit 09 - Direct Detection and Mapping of Star Forming Regions in Nearby, Luminous Quasars

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Req.	Groups	Exp. Time/[Actual Dur.]	Orbit
	6	Pa-a cont	(1) PG-0026+129	NIC2, MULTIACCUM, NIC2	F237M	SAMP-SEQ=SPARS 4; NSAMP=5		Pattern 4-6 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]

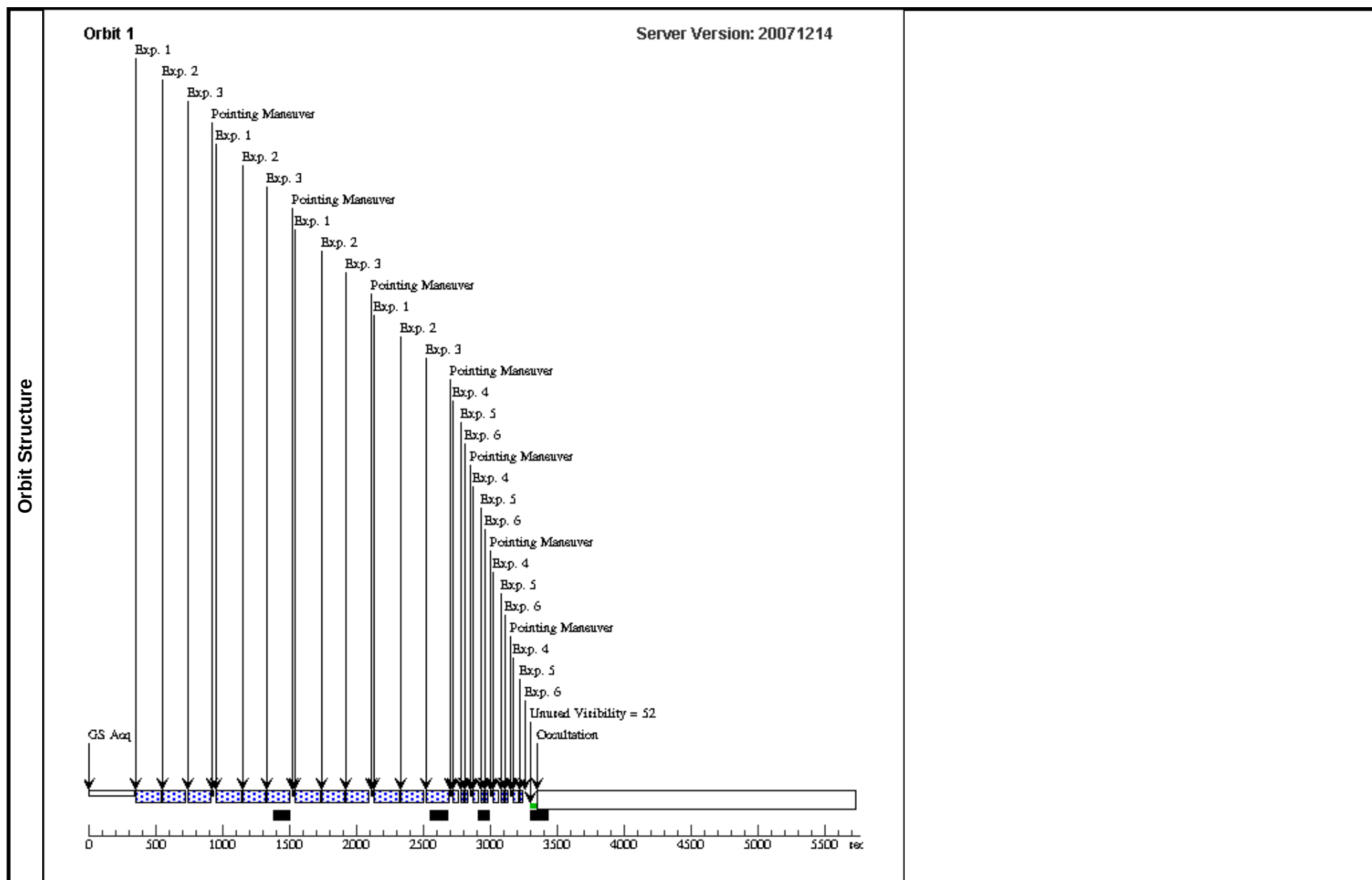


Proposal 11222 - Visit 10 - Direct Detection and Mapping of Star Forming Regions in Nearby, Luminous Quasars

Visit	Proposal 11222, Visit 10, implementation										Fri Jan 18 09:26:38 GMT 2008	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: NIC2											
	Special Requirements: (none)											
Patterns	#	Primary Pattern					Secondary Pattern				Exposures	
	(1)	Pattern Type=NIC-SPIRAL-DITH Purpose=BACKGROUND Number Of Points=4 Point Spacing=1.7 Line Spacing=			Coordinate Frame=POS-TARG Pattern Orientation=0.0 Angle Between Sides= Center Pattern=true						(1-3), (4-6)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(2)	PG-0838+770		RA: 08 44 45.6300 (131.1901250d) Dec: +76 53 9.40 (76.88594d) Equinox: J2000				V=15.7+/-0.2		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.											
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	Pa-a	(2) PG-0838+770	NIC2, MULTIACCUM, NIC2		F212N	SAMP-SEQ=SPARS 16; NSAMP=13		Pattern 1-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]
	2	Pa-a	(2) PG-0838+770	NIC2, MULTIACCUM, NIC2		F212N	SAMP-SEQ=SPARS 16; NSAMP=13		Pattern 1-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]
	3	Pa-a	(2) PG-0838+770	NIC2, MULTIACCUM, NIC2		F212N	SAMP-SEQ=SPARS 16; NSAMP=13		Pattern 1-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]
	4	Pa-a cont	(2) PG-0838+770	NIC2, MULTIACCUM, NIC2		F237M	SAMP-SEQ=SPARS 4; NSAMP=9		Pattern 4-6 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]
	5	Pa-a cont	(2) PG-0838+770	NIC2, MULTIACCUM, NIC2		F237M	SAMP-SEQ=SPARS 4; NSAMP=9		Pattern 4-6 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]

Proposal 11222 - Visit 10 - Direct Detection and Mapping of Star Forming Regions in Nearby, Luminous Quasars

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Req.	Groups	Exp. Time/[Actual Dur.]	Orbit
	6	Pa-a cont	(2) PG-0838+770	NIC2, MULTIACCUM, NIC2	F237M	SAMP-SEQ=SPARS 4; NSAMP=9		Pattern 4-6 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]

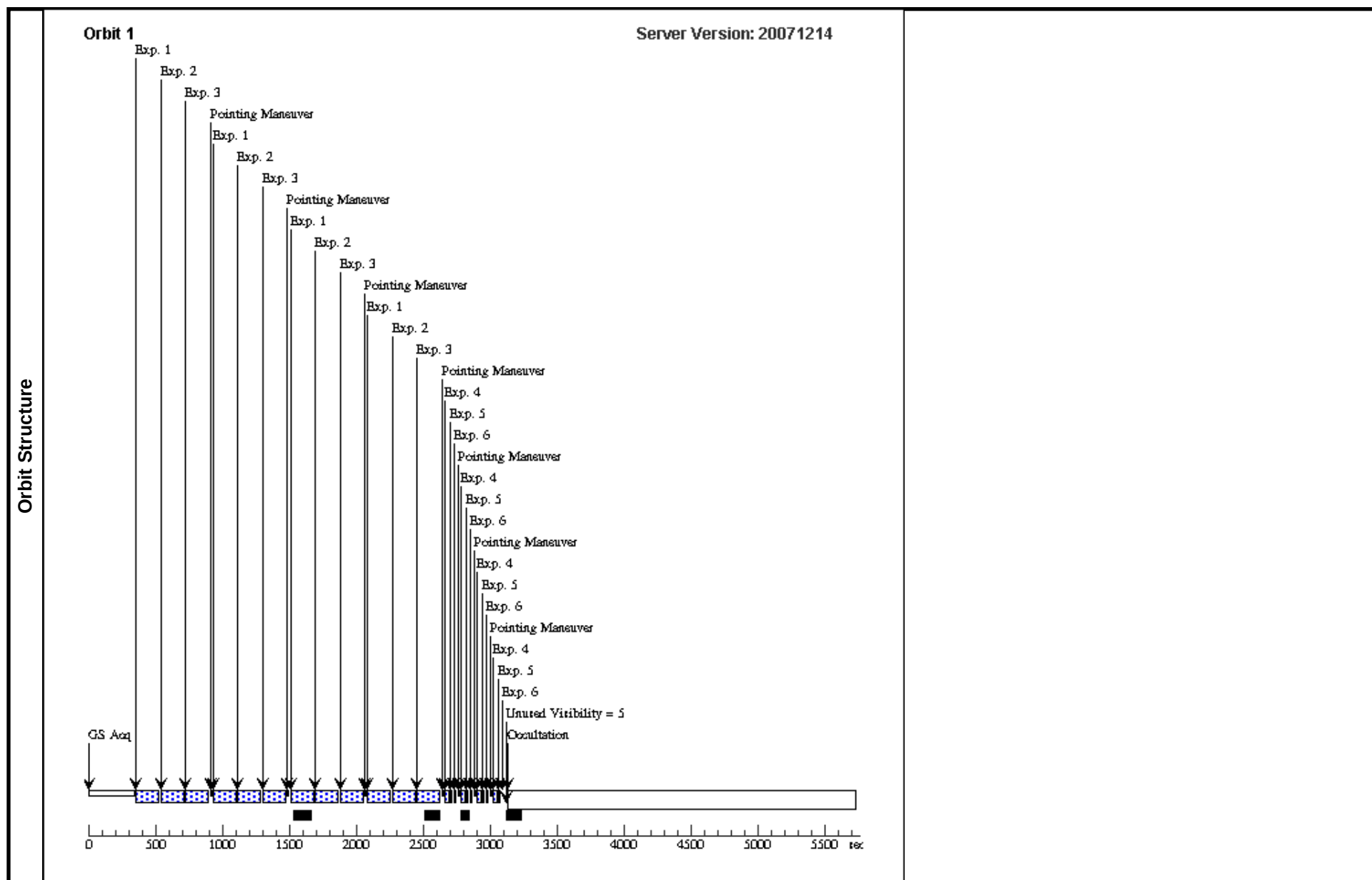


Proposal 11222 - Visit 11 - Direct Detection and Mapping of Star Forming Regions in Nearby, Luminous Quasars

Visit	Proposal 11222, Visit 11, implementation										Fri Jan 18 09:26:39 GMT 2008	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: NIC2											
	Special Requirements: (none)											
Patterns	#	Primary Pattern					Secondary Pattern				Exposures	
	(1)	Pattern Type=NIC-SPIRAL-DITH Purpose=BACKGROUND Number Of Points=4 Point Spacing=1.7 Line Spacing=			Coordinate Frame=POS-TARG Pattern Orientation=0.0 Angle Between Sides= Center Pattern=true						(1-3), (4-6)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(4)	PG-1307+085		RA: 13 09 47.0300 (197.4459583d) Dec: +08 19 49.30 (8.33036d) Equinox: J2000				V=15.32+/-0.2		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.											
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	Pa-a	(4) PG-1307+085	NIC2, MULTIACCUM, NIC2		F216N	SAMP-SEQ=SPARS 16; NSAMP=12		Pattern 1-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]
	2	Pa-a	(4) PG-1307+085	NIC2, MULTIACCUM, NIC2		F216N	SAMP-SEQ=SPARS 16; NSAMP=13		Pattern 1-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]
	3	Pa-a	(4) PG-1307+085	NIC2, MULTIACCUM, NIC2		F216N	SAMP-SEQ=SPARS 16; NSAMP=13		Pattern 1-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]
	4	Pa-a cont	(4) PG-1307+085	NIC2, MULTIACCUM, NIC2		F237M	SAMP-SEQ=SPARS 4; NSAMP=6		Pattern 4-6 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]
	5	Pa-a cont	(4) PG-1307+085	NIC2, MULTIACCUM, NIC2		F237M	SAMP-SEQ=SPARS 4; NSAMP=7		Pattern 4-6 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]

Proposal 11222 - Visit 11 - Direct Detection and Mapping of Star Forming Regions in Nearby, Luminous Quasars

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Req.	Groups	Exp. Time/[Actual Dur.]	Orbit
	6	Pa-a cont	(4) PG-1307+085	NIC2, MULTIACCUM, NIC2	F237M	SAMP-SEQ=SPARS 4; NSAMP=7		Pattern 4-6 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]

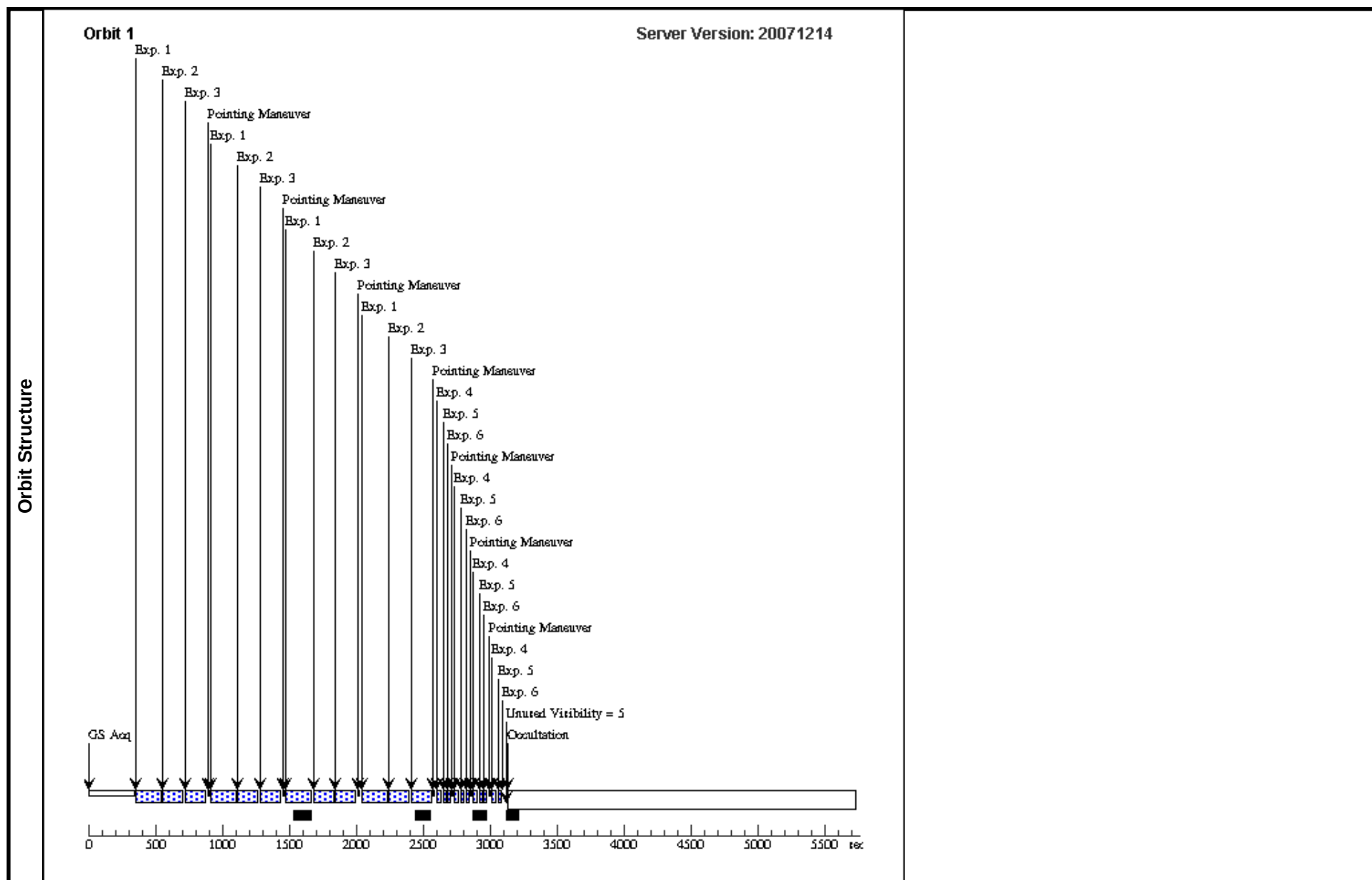


Proposal 11222 - Visit 12 - Direct Detection and Mapping of Star Forming Regions in Nearby, Luminous Quasars

Visit	Proposal 11222, Visit 12, implementation										Fri Jan 18 09:26:39 GMT 2008
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: NIC3										
	Special Requirements: (none)										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=NIC-SPIRAL-DITH Purpose=BACKGROUND Number Of Points=4 Point Spacing=1.7 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=0.0 Angle Between Sides= Center Pattern=true				(1-3), (4-6)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(3)	PG-1244+026	RA: 12 46 35.2900 (191.6470417d) Dec: +02 22 8.30 (2.36897d) Equinox: J2000				V=16.2+/-0.2		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.This object was generated by the targetselector and retrieved from the SIMBAD database.This object was generated by the targetselector and retrieved from the SIMBAD database.										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	Pa-a	(3) PG-1244+026	NIC3, MULTIACCUM, NIC3	F196N	SAMP-SEQ=SPARS 16; NSAMP=13		Pattern 1-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]
	2	Pa-a	(3) PG-1244+026	NIC3, MULTIACCUM, NIC3	F196N	SAMP-SEQ=SPARS 16; NSAMP=12		Pattern 1-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]
	3	Pa-a	(3) PG-1244+026	NIC3, MULTIACCUM, NIC3	F196N	SAMP-SEQ=SPARS 16; NSAMP=12		Pattern 1-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]
	4	Pa-a cont	(3) PG-1244+026	NIC3, MULTIACCUM, NIC3	F222M	SAMP-SEQ=SPARS 4; NSAMP=8		Pattern 4-6 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]
	5	Pa-a cont	(3) PG-1244+026	NIC3, MULTIACCUM, NIC3	F222M	SAMP-SEQ=SPARS 4; NSAMP=8		Pattern 4-6 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]

Proposal 11222 - Visit 12 - Direct Detection and Mapping of Star Forming Regions in Nearby, Luminous Quasars

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	6	Pa-a cont	(3) PG-1244+026	NIC3, MULTIACCUM, NIC3	F222M	SAMP-SEQ=SPARS 4; NSAMP=8		Pattern 4-6 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]

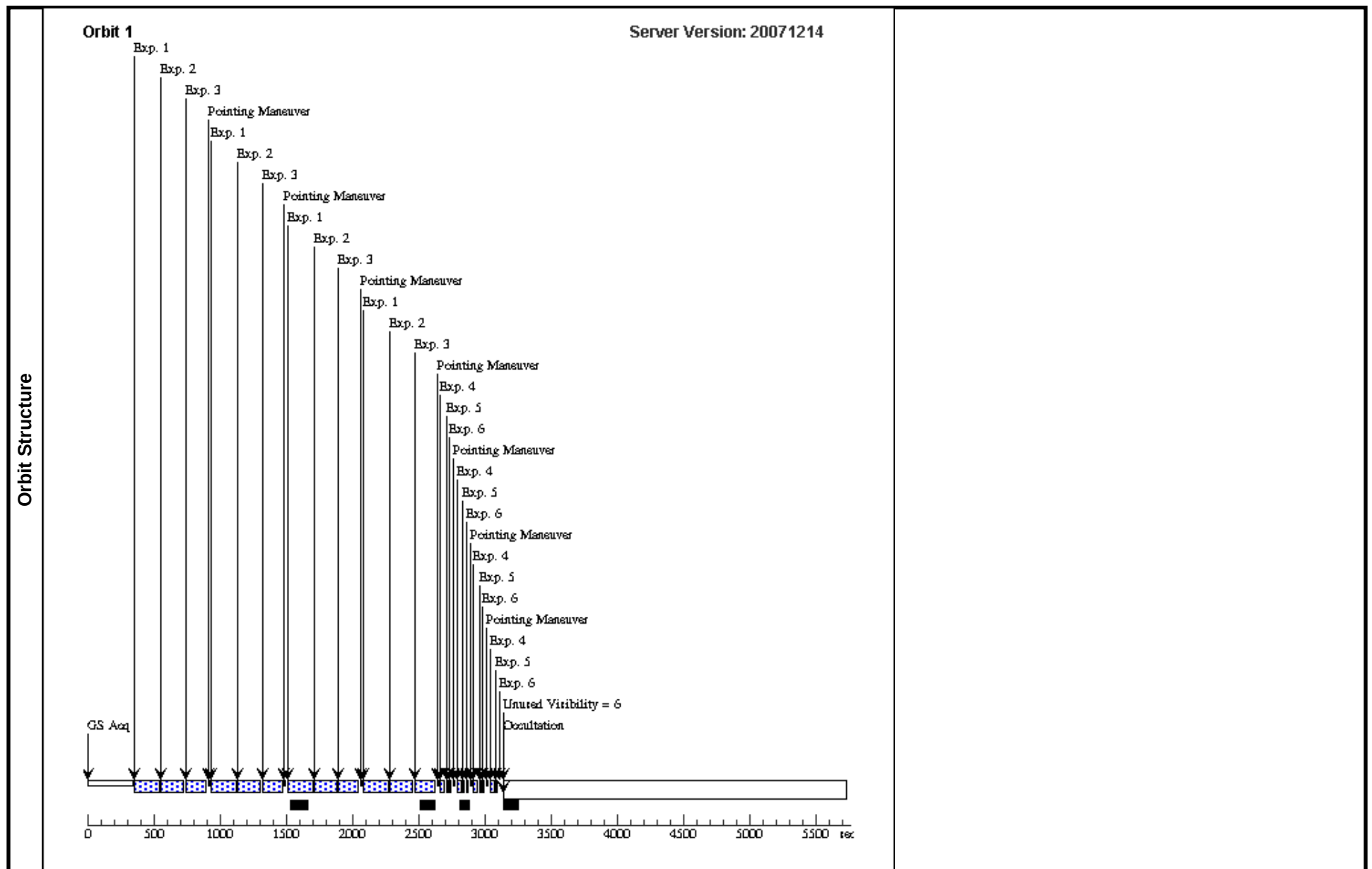


Proposal 11222 - Visit 13 - Direct Detection and Mapping of Star Forming Regions in Nearby, Luminous Quasars

Visit	Proposal 11222, Visit 13, implementation										Fri Jan 18 09:26:40 GMT 2008	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: NIC3											
	Special Requirements: (none)											
Patterns	#	Primary Pattern					Secondary Pattern				Exposures	
	(1)	Pattern Type=NIC-SPIRAL-DITH Purpose=BACKGROUND Number Of Points=4 Point Spacing=1.7 Line Spacing=			Coordinate Frame=POS-TARG Pattern Orientation=0.0 Angle Between Sides= Center Pattern=true						(1-3), (4-6)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(5)	PG-1448+273		RA: 14 51 8.7800 (222.7865833d) Dec: +27 09 26.70 (27.15742d) Equinox: J2000				V=15.01+/-0.2		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.											
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	Pa-a	(5) PG-1448+273	NIC3, MULTIACCUM, NIC3		F200N	SAMP-SEQ=SPARS 16; NSAMP=13		Pattern 1-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]
	2	Pa-a	(5) PG-1448+273	NIC3, MULTIACCUM, NIC3		F200N	SAMP-SEQ=SPARS 16; NSAMP=13		Pattern 1-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]
	3	Pa-a	(5) PG-1448+273	NIC3, MULTIACCUM, NIC3		F200N	SAMP-SEQ=SPARS 16; NSAMP=12		Pattern 1-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]
	4	Pa-a cont	(5) PG-1448+273	NIC3, MULTIACCUM, NIC3		F222M	SAMP-SEQ=SPARS 4; NSAMP=7		Pattern 4-6 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]
	5	Pa-a cont	(5) PG-1448+273	NIC3, MULTIACCUM, NIC3		F222M	SAMP-SEQ=SPARS 4; NSAMP=7		Pattern 4-6 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]

Proposal 11222 - Visit 13 - Direct Detection and Mapping of Star Forming Regions in Nearby, Luminous Quasars

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	6	Pa-a cont	(5) PG-1448+273	NIC3, MULTIACCUM, NIC3	F222M	SAMP-SEQ=SPARS 4; NSAMP=7		Pattern 4-6 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]

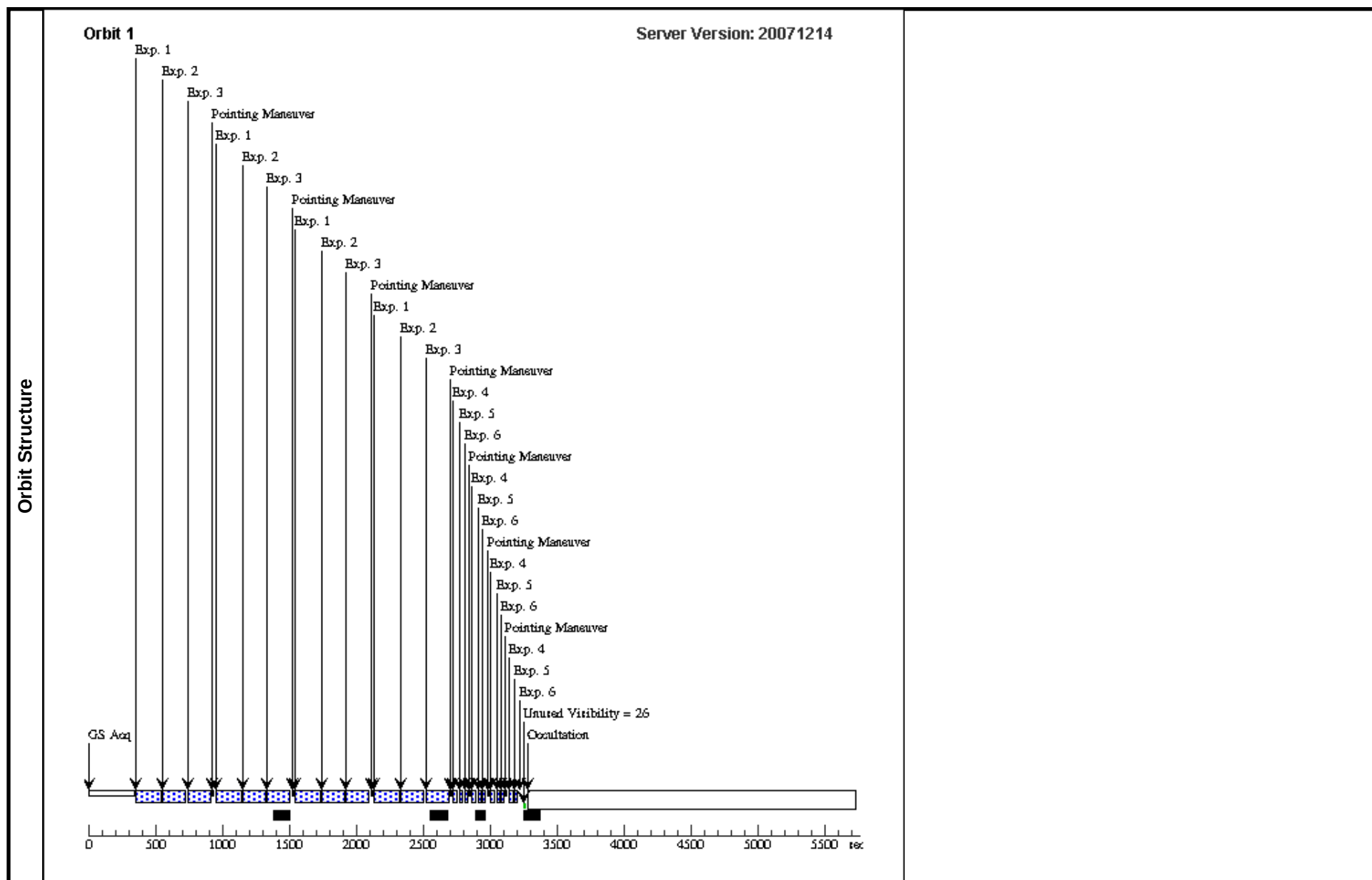


Proposal 11222 - Visit 14 - Direct Detection and Mapping of Star Forming Regions in Nearby, Luminous Quasars

Visit	Proposal 11222, Visit 14, implementation										Fri Jan 18 09:26:40 GMT 2008	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: NIC2											
	Special Requirements: (none)											
Patterns	#	Primary Pattern					Secondary Pattern				Exposures	
	(1)	Pattern Type=NIC-SPIRAL-DITH Purpose=BACKGROUND Number Of Points=4 Point Spacing=1.7 Line Spacing=			Coordinate Frame=POS-TARG Pattern Orientation=0.0 Angle Between Sides= Center Pattern=true						(1-3), (4-6)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(6)	PG-1613+658		RA: 16 13 57.2000 (243.4883333d) Dec: +65 43 10.00 (65.71944d) Equinox: J2000				V=15.49+/-0.2		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.											
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	Pa-a	(6) PG-1613+658	NIC2, MULTIACCUM, NIC2		F212N	SAMP-SEQ=SPARS 16; NSAMP=13		Pattern 1-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]
	2	Pa-a	(6) PG-1613+658	NIC2, MULTIACCUM, NIC2		F212N	SAMP-SEQ=SPARS 16; NSAMP=13		Pattern 1-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]
	3	Pa-a	(6) PG-1613+658	NIC2, MULTIACCUM, NIC2		F212N	SAMP-SEQ=SPARS 16; NSAMP=13		Pattern 1-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]
	4	Pa-a cont	(6) PG-1613+658	NIC2, MULTIACCUM, NIC2		F237M	SAMP-SEQ=SPARS 4; NSAMP=8		Pattern 4-6 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]
	5	Pa-a cont	(6) PG-1613+658	NIC2, MULTIACCUM, NIC2		F237M	SAMP-SEQ=SPARS 4; NSAMP=8		Pattern 4-6 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]

Proposal 11222 - Visit 14 - Direct Detection and Mapping of Star Forming Regions in Nearby, Luminous Quasars

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Req.	Groups	Exp. Time/[Actual Dur.]	Orbit
	6	Pa-a cont	(6) PG-1613+658	NIC2, MULTIACCUM, NIC2	F237M	SAMP-SEQ=SPARS 4; NSAMP=8		Pattern 4-6 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]

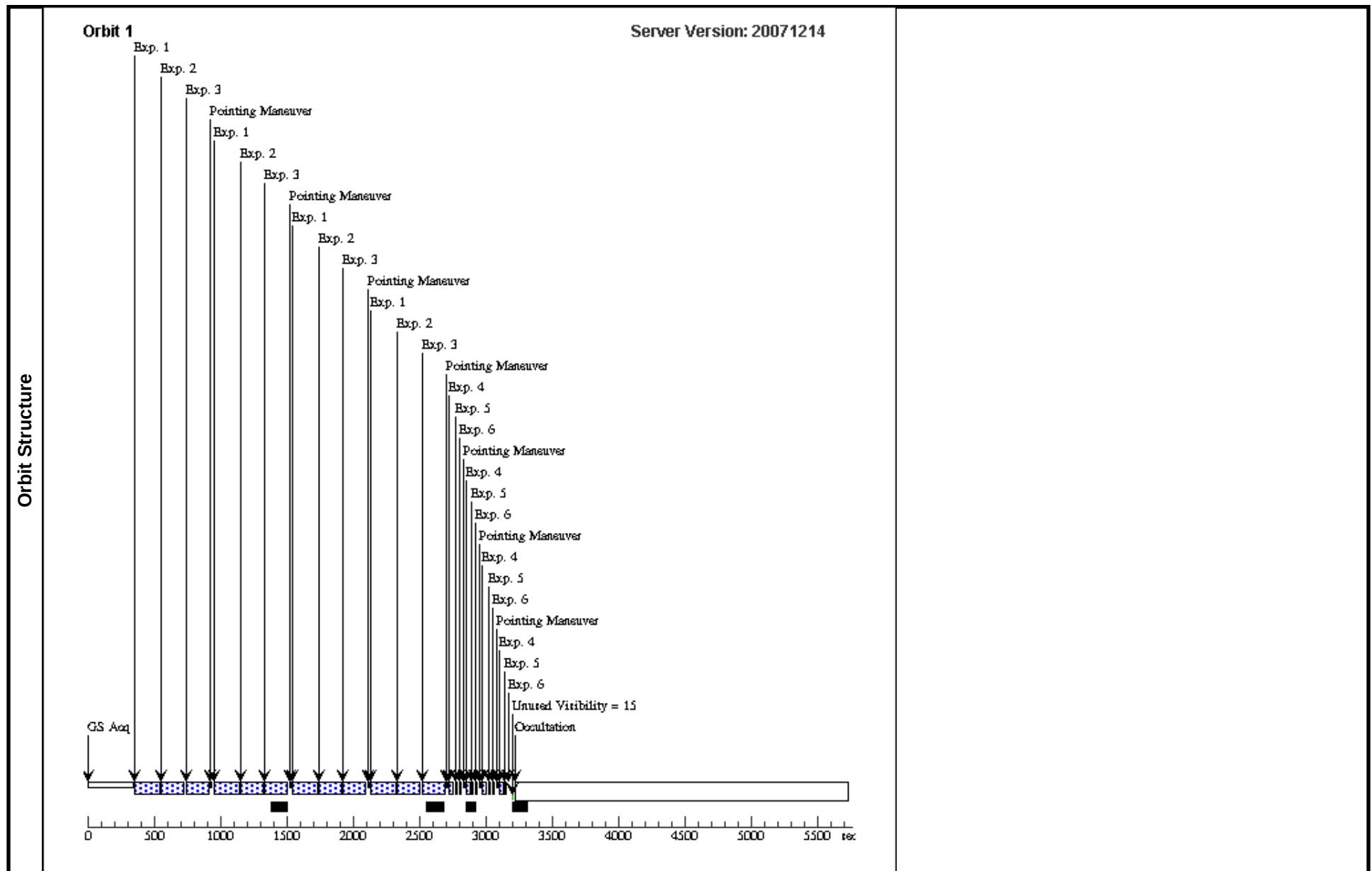


Proposal 11222 - Visit 15 - Direct Detection and Mapping of Star Forming Regions in Nearby, Luminous Quasars

Visit	Proposal 11222, Visit 15, implementation										Fri Jan 18 09:26:41 GMT 2008	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: NIC2											
	Special Requirements: (none)											
Patterns	#	Primary Pattern					Secondary Pattern				Exposures	
	(1)	Pattern Type=NIC-SPIRAL-DITH Purpose=BACKGROUND Number Of Points=4 Point Spacing=1.7 Line Spacing=			Coordinate Frame=POS-TARG Pattern Orientation=0.0 Angle Between Sides= Center Pattern=true						(1-3), (4-6)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(7)	PG-1626+554		RA: 16 27 56.0900 (246.9837083d) Dec: +55 22 31.70 (55.37547d) Equinox: J2000				V=16.17+/-0.2		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.											
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	Pa-a	(7) PG-1626+554	NIC2, MULTIACCUM, NIC2		F212N	SAMP-SEQ=SPARS 16; NSAMP=13		Pattern 1-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]
	2	Pa-a	(7) PG-1626+554	NIC2, MULTIACCUM, NIC2		F212N	SAMP-SEQ=SPARS 16; NSAMP=13		Pattern 1-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]
	3	Pa-a	(7) PG-1626+554	NIC2, MULTIACCUM, NIC2		F212N	SAMP-SEQ=SPARS 16; NSAMP=13		Pattern 1-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]
	4	Pa-a cont	(7) PG-1626+554	NIC2, MULTIACCUM, NIC2		F237M	SAMP-SEQ=SPARS 4; NSAMP=7		Pattern 4-6 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]
	5	Pa-a cont	(7) PG-1626+554	NIC2, MULTIACCUM, NIC2		F237M	SAMP-SEQ=SPARS 4; NSAMP=7		Pattern 4-6 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]

Proposal 11222 - Visit 15 - Direct Detection and Mapping of Star Forming Regions in Nearby, Luminous Quasars

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	6	Pa-a cont	(7) PG-1626+554	NIC2, MULTIACCUM, NIC2	F237M	SAMP-SEQ=SPARS 4; NSAMP=7		Pattern 4-6 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]

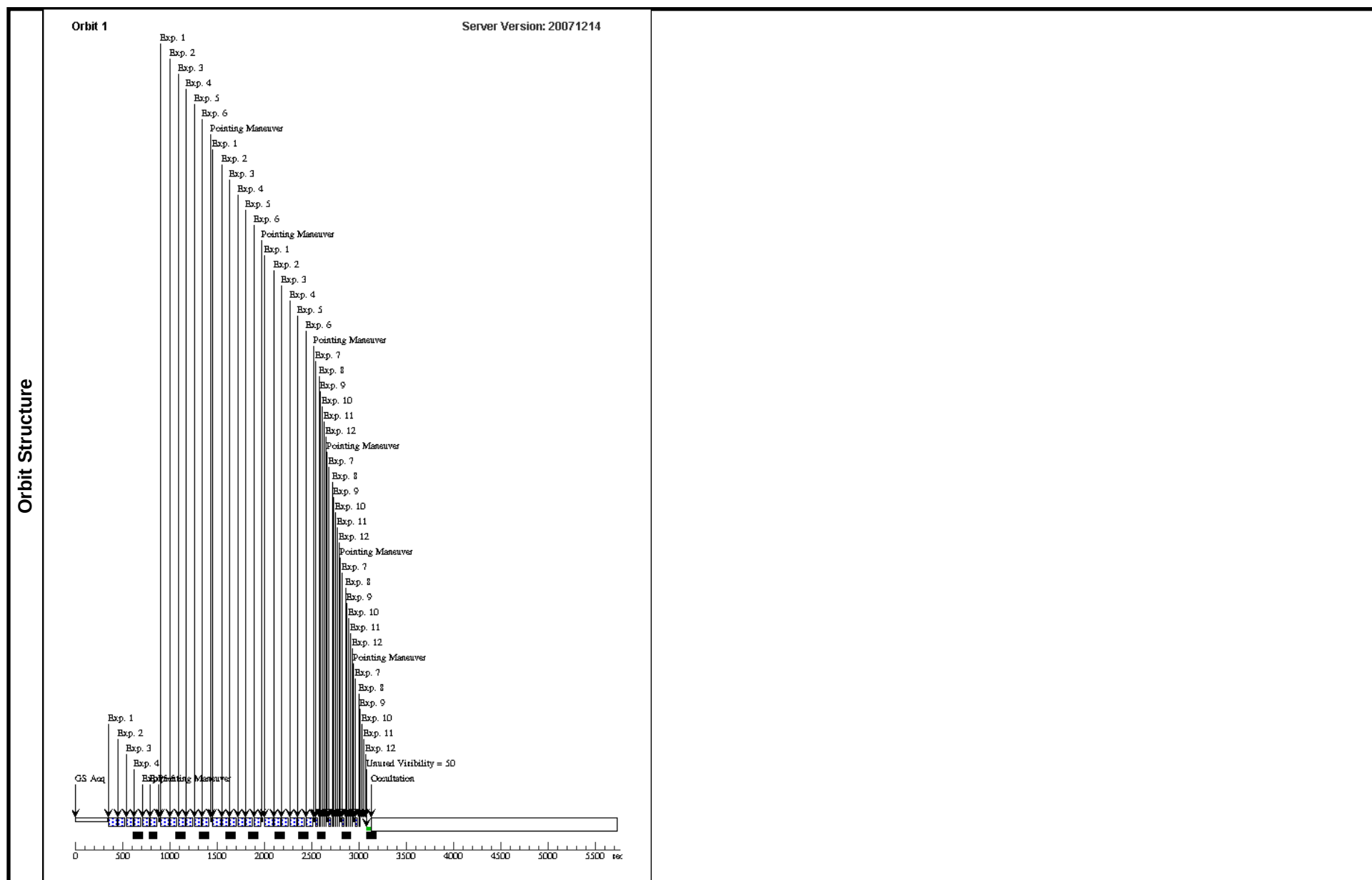


Proposal 11222 - Visit 16 - Direct Detection and Mapping of Star Forming Regions in Nearby, Luminous Quasars

Visit	Proposal 11222, Visit 16, implementation										Fri Jan 18 09:26:42 GMT 2008	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: NIC3											
	Special Requirements: (none)											
Patterns	#	Primary Pattern					Secondary Pattern				Exposures	
	(1)	Pattern Type=NIC-SPIRAL-DITH Purpose=BACKGROUND Number Of Points=4 Point Spacing=1.7 Line Spacing=			Coordinate Frame=POS-TARG Pattern Orientation=0.0 Angle Between Sides= Center Pattern=true						(1-6), (7-12)	
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(8)	PG-2214+139		RA: 22 17 12.2610 (334.3010875d) Dec: +14 14 21.06 (14.23918d) Equinox: J2000				V=14.66+/-0.2		Reference Frame: ICRS		
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.											
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	Pa-a	(8) PG-2214+139	NIC3, MULTIACCUM, NIC3		F200N	SAMP-SEQ=SPARS 4; NSAMP=21		Pattern 1-6 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]
	2	Pa-a	(8) PG-2214+139	NIC3, MULTIACCUM, NIC3		F200N	SAMP-SEQ=SPARS 4; NSAMP=21		Pattern 1-6 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]
	3	Pa-a	(8) PG-2214+139	NIC3, MULTIACCUM, NIC3		F200N	SAMP-SEQ=SPARS 4; NSAMP=21		Pattern 1-6 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]
	4	Pa-a	(8) PG-2214+139	NIC3, MULTIACCUM, NIC3		F200N	SAMP-SEQ=SPARS 4; NSAMP=21		Pattern 1-6 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]
	5	Pa-a	(8) PG-2214+139	NIC3, MULTIACCUM, NIC3		F200N	SAMP-SEQ=SPARS 4; NSAMP=21		Pattern 1-6 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]

Proposal 11222 - Visit 16 - Direct Detection and Mapping of Star Forming Regions in Nearby, Luminous Quasars

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	6	Pa-a	(8) PG-2214+139	NIC3, MULTIACCUM, NIC3	F200N	SAMP-SEQ=SPARS 4; NSAMP=21		Pattern 1-6 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	7	Pa-a cont	(8) PG-2214+139	NIC3, MULTIACCUM, NIC3	F222M	SAMP-SEQ=SPARS 4; NSAMP=4		Pattern 7-12 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	8	Pa-a cont	(8) PG-2214+139	NIC3, MULTIACCUM, NIC3	F222M	SAMP-SEQ=SPARS 4; NSAMP=4		Pattern 7-12 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	9	Pa-a cont	(8) PG-2214+139	NIC3, MULTIACCUM, NIC3	F222M	SAMP-SEQ=SPARS 4; NSAMP=4		Pattern 7-12 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	10	Pa-a cont	(8) PG-2214+139	NIC3, MULTIACCUM, NIC3	F222M	SAMP-SEQ=SPARS 4; NSAMP=4		Pattern 7-12 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	11	Pa-a cont	(8) PG-2214+139	NIC3, MULTIACCUM, NIC3	F222M	SAMP-SEQ=SPARS 4; NSAMP=4		Pattern 7-12 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	12	Pa-a cont	(8) PG-2214+139	NIC3, MULTIACCUM, NIC3	F222M	SAMP-SEQ=SPARS 4; NSAMP=4		Pattern 7-12 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]

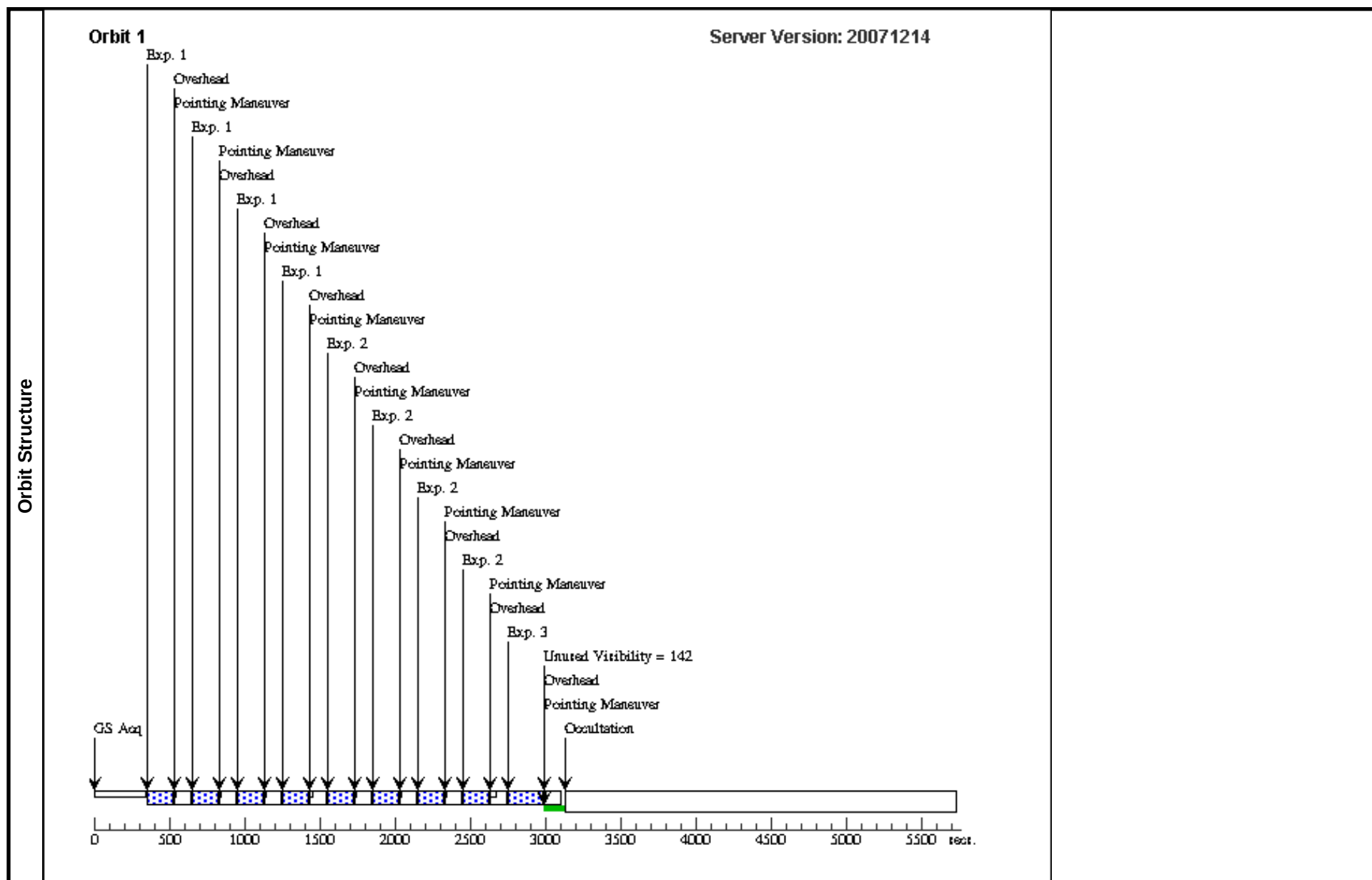


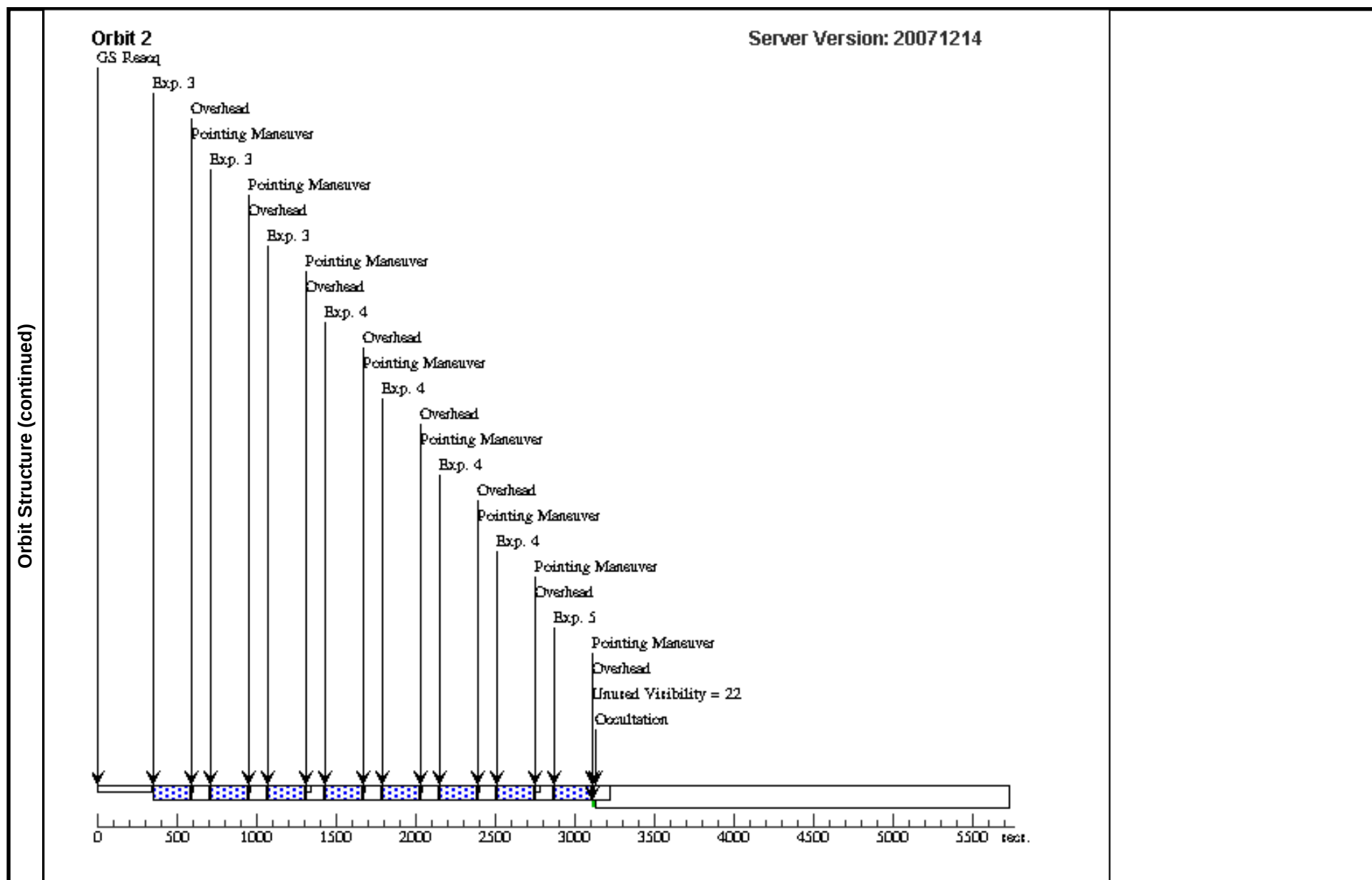
Proposal 11222 - Visit 17 - Direct Detection and Mapping of Star Forming Regions in Nearby, Luminous Quasars

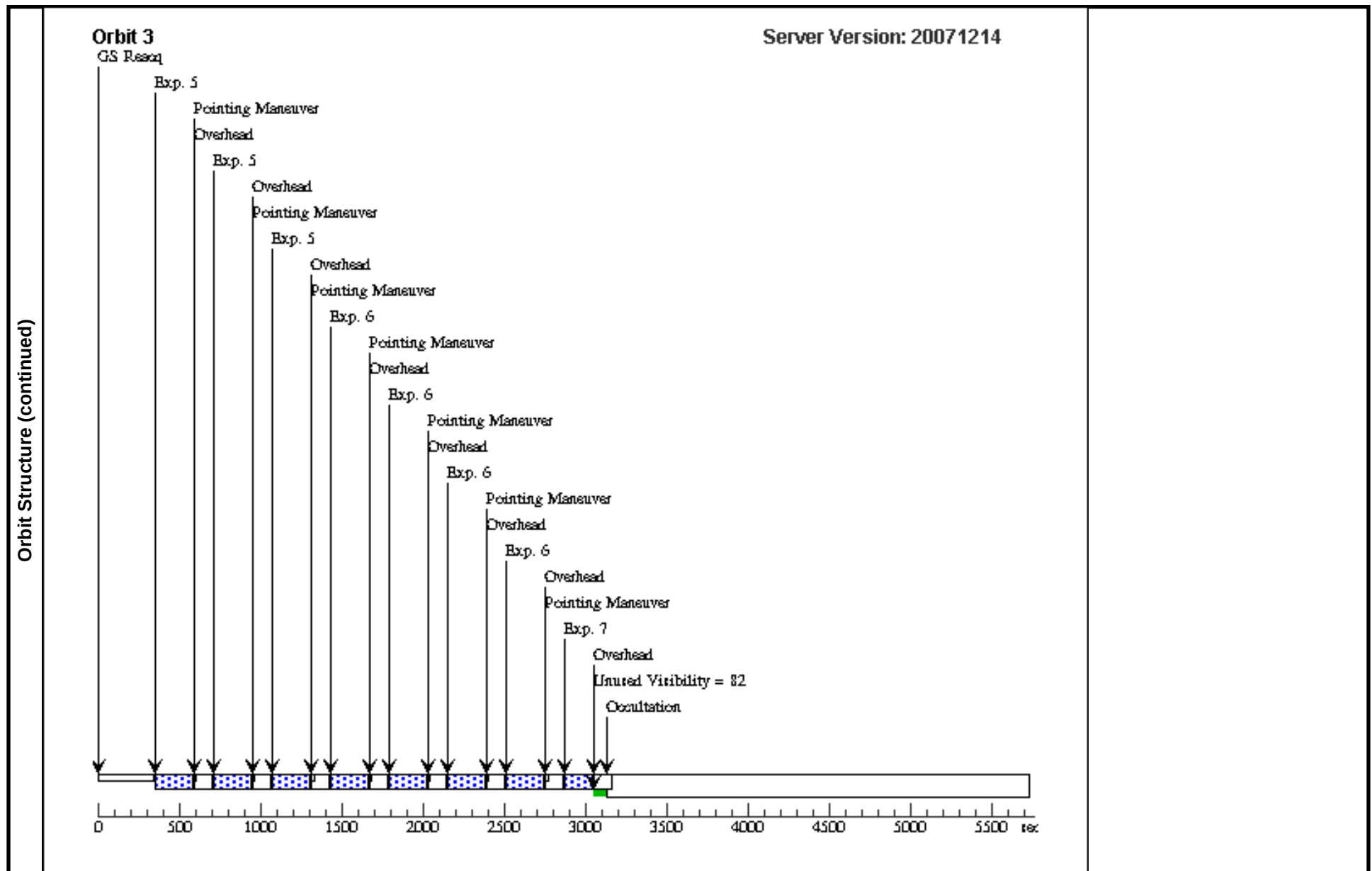
Visit	Proposal 11222, Visit 17, implementation										Fri Jan 18 09:26:42 GMT 2008		
	Diagnostic Status: Warning												
	Scientific Instruments: WFPC2												
	Special Requirements: (none)												
Diagnostics	(PSF WF 5095 (17.002)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.												
	(PSF WF 5488 (17.003)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.												
	(PSF WF 5614 (17.004)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.												
	(PSF PC 5718 (17.005)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.												
	(PSF PC 5181 (17.006)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS/WFPC2 ramp or WFC3 quad filters as central wavelengths & transmission efficiencies vary within the apertures.												
Patterns	#	Primary Pattern					Secondary Pattern					Exposures	
	(2)	Pattern Type=WFPC2-BOX		Coordinate Frame=POS-TARG								(1), (2), (3), (4), (5), (6)	
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				
	(10)	N3202230216-PSF-STAR	RA: 00 29 0.1459 (7.2506079d)				V=11.36+/-0.1		Reference Frame: ICRS				
	Alt Name1: GS60200264		Dec: +13 14 29.95 (13.24165d)				B=12.51+/-0.23; K=8.65						
	Alt Name2: NB70000216		Equinox: J2000										
Comments: This object was generated by the targetselector and retrieved from the GSC 2.3 database.													
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit	
	1	PSF WF 396 9	(10) N3202230216-P SF-STAR	WFPC2, IMAGE, WF2	FQUVN 3969.0 A	CR-SPLIT=NO		Pattern 1-1 (2)	30.0 Secs		[1]		
									[==>(Pattern 1)]				
									[==>(Pattern 2)]				
									[==>(Pattern 3)]				
	[==>(Pattern 4)]												
2	PSF WF 509 5	(10) N3202230216-P SF-STAR	WFPC2, IMAGE, LRF	LRF 5095.0 A	CR-SPLIT=NO		Pattern 2-2 (2)	10.0 Secs		[1]			
								[==>(Pattern 1)]					
								[==>(Pattern 2)]					
								[==>(Pattern 3)]					
[==>(Pattern 4)]													

Proposal 11222 - Visit 17 - Direct Detection and Mapping of Star Forming Regions in Nearby, Luminous Quasars

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	3	PSF WF 548 8	(10) N3202230216-P SF-STAR	WFPC2, IMAGE, LRF	LRF 5488.0 A	CR-SPLIT=NO		Pattern 3-3 (2)	10.0 Secs	
									[==>(Pattern 1)]	[1]
									[==>(Pattern 2)]	
									[==>(Pattern 3)]	[2]
									[==>(Pattern 4)]	
	4	PSF WF 561 4	(10) N3202230216-P SF-STAR	WFPC2, IMAGE, LRF	LRF 5614.0 A	CR-SPLIT=NO		Pattern 4-4 (2)	10.0 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	
									[==>(Pattern 3)]	[2]
									[==>(Pattern 4)]	
	5	PSF PC 571 8	(10) N3202230216-P SF-STAR	WFPC2, IMAGE, LRF	LRF 5718.0 A	CR-SPLIT=NO		Pattern 5-5 (2)	10.0 Secs	
									[==>(Pattern 1)]	[2]
									[==>(Pattern 2)]	
									[==>(Pattern 3)]	[3]
									[==>(Pattern 4)]	
	6	PSF PC 518 1	(10) N3202230216-P SF-STAR	WFPC2, IMAGE, LRF	LRF 5181.0 A	CR-SPLIT=NO		Pattern 6-6 (2)	10.0 Secs	
									[==>(Pattern 1)]	
									[==>(Pattern 2)]	
									[==>(Pattern 3)]	[3]
									[==>(Pattern 4)]	
	7	PSF PC F46 7M	(10) N3202230216-P SF-STAR	WFPC2, IMAGE, PC1	F467M	CR-SPLIT=NO			7.0 Secs	
									[==>]	[3]







Proposal 11222 - Visit 18 - Direct Detection and Mapping of Star Forming Regions in Nearby, Luminous Quasars

Visit	Proposal 11222, Visit 18, implementation										Fri Jan 18 09:26:44 GMT 2008			
	Diagnostic Status: No Diagnostics													
	Scientific Instruments: NIC2, NIC3													
	Special Requirements: (none)													
Patterns	#	Primary Pattern					Secondary Pattern					Exposures		
	(1)	Pattern Type=NIC-SPIRAL-DITH Purpose=BACKGROUND Number Of Points=4 Point Spacing=1.7 Line Spacing=					Coordinate Frame=POS-TARG Pattern Orientation=0.0 Angle Between Sides= Center Pattern=true					(1), (2-3), (4-5), (6-7), (8-9), (10-11), (12-13)		
Fixed Targets	#	Name		Target Coordinates		Targ. Coord. Corrections			Fluxes		Miscellaneous			
	(10)	N3202230216-PSF-STAR		RA: 00 29 0.1459 (7.2506079d)					V=11.36+/-0.1		Reference Frame: ICRS			
	Alt Name1: GS60200264		Dec: +13 14 29.95 (13.24165d)					B=12.51+/-0.23; K=8.65						
Alt Name2: NB70000216														
Comments: This object was generated by the targetselector and retrieved from the GSC 2.3 database.														
Exposures	#	Label	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit		
	1	PSF N2 F21 2N	(10) N3202230216-P SF-STAR	NIC2, MULTIACCUM, NIC2		F212N	SAMP-SEQ=STEP1 ; NSAMP=14		Pattern 1-1 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]		
	2	PSF N2 F21 5N	(10) N3202230216-P SF-STAR	NIC2, MULTIACCUM, NIC2		F215N	SAMP-SEQ=STEP1 ; NSAMP=14		Pattern 2-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]		
	3	PSF N2 F21 5N	(10) N3202230216-P SF-STAR	NIC2, MULTIACCUM, NIC2		F215N	SAMP-SEQ=STEP1 ; NSAMP=14		Pattern 2-3 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]		
	4	PSF N2 F21 6N	(10) N3202230216-P SF-STAR	NIC2, MULTIACCUM, NIC2		F216N	SAMP-SEQ=STEP1 ; NSAMP=14		Pattern 4-5 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]		
	5	PSF N2 F21 6N	(10) N3202230216-P SF-STAR	NIC2, MULTIACCUM, NIC2		F216N	SAMP-SEQ=STEP1 ; NSAMP=14		Pattern 4-5 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]		

Proposal 11222 - Visit 18 - Direct Detection and Mapping of Star Forming Regions in Nearby, Luminous Quasars

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	6	PSF N2 F23 7M	(10) N3202230216-P SF-STAR	NIC2, MULTIACCUM, NIC2	F237M	SAMP-SEQ=STEP1 ; NSAMP=5		Pattern 6-7 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	7	PSF N2 F23 7M	(10) N3202230216-P SF-STAR	NIC2, MULTIACCUM, NIC2	F237M	SAMP-SEQ=STEP1 ; NSAMP=5		Pattern 6-7 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	8	PSF N3 F20 0N	(10) N3202230216-P SF-STAR	NIC3, MULTIACCUM, NIC3	F196N	SAMP-SEQ=STEP1 ; NSAMP=6		Pattern 8-9 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	9	PSF N3 F20 0N	(10) N3202230216-P SF-STAR	NIC3, MULTIACCUM, NIC3	F196N	SAMP-SEQ=STEP1 ; NSAMP=6		Pattern 8-9 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	10	PSF N3 F19 6N	(10) N3202230216-P SF-STAR	NIC3, MULTIACCUM, NIC3	F200N	SAMP-SEQ=STEP1 ; NSAMP=6		Pattern 10-11 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	11	PSF N3 F19 6N	(10) N3202230216-P SF-STAR	NIC3, MULTIACCUM, NIC3	F200N	SAMP-SEQ=STEP1 ; NSAMP=6		Pattern 10-11 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	12	PSF N3 F22 2M	(10) N3202230216-P SF-STAR	NIC3, MULTIACCUM, NIC3	F222M	SAMP-SEQ=STEP1 ; NSAMP=2		Pattern 12-13 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	13	PSF N3 F22 2M	(10) N3202230216-P SF-STAR	NIC3, MULTIACCUM, NIC3	F222M	SAMP-SEQ=STEP1 ; NSAMP=2		Pattern 12-13 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]

