



11167 - A Unique High Resolution Window to Two Strongly Lensed Lyman Break Galaxies

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

INVESTIGATORS

<i>Name</i>	<i>Institution</i>	<i>E-Mail</i>
Dr. Sahar S. Allam (PI)	Fermi National Accelerator Laboratory (FNAL)	sallam@fnal.gov
Dr. Douglas L. Tucker (CoI)	Fermi National Accelerator Laboratory (FNAL)	dtucker@fnal.gov
Dr. Huan Lin (CoI)	Fermi National Accelerator Laboratory (FNAL)	hlin@fnal.gov
Prof. Michael A. Strauss (CoI)	Princeton University	strauss@astro.princeton.edu
Prof. Andrew Baker (CoI)	Rutgers the State University of New Jersey	ajbaker@physics.rutgers.edu
Prof. C. S. Kochanek (CoI)	The Ohio State University Research Foundation	ckochanek@astronomy.ohio-state.edu
Prof. Alice E. Shapley (CoI)	Princeton University	aes@astro.princeton.edu
Dr. Jarle Brinchmann (CoI) (ESA Member)	Centro de Astrofisica da Universidade do Porto (CAUP) Portugal	jarle@astro.up.pt
Dr. Dieter Lutz (CoI) (ESA Member)	Max-Planck-Institut fur extraterrestrische Physik	lutz@mpe.mpg.de
Prof. Charles C. Steidel (CoI)	California Institute of Technology	ccs@astro.caltech.edu
Dr. Christy A. Tremonti (CoI)	University of Arizona	tremonti@as.arizona.edu
Dr. James Annis (CoI)	Fermi National Accelerator Laboratory (FNAL)	annis@fnal.gov
Dr. Elizabeth Buckley-Geer (CoI)	Fermi National Accelerator Laboratory (FNAL)	buckley@fnal.gov
Dr. Kyu-Hyun Chae (CoI)	Sejong University, Korea	chae@sejong.ac.kr
Dr. H. Thomas Diehl (CoI)	Fermi National Accelerator Laboratory (FNAL)	diehl@fnal.gov
Dr. Juan Estrada (CoI)	Fermi National Accelerator Laboratory (FNAL)	estrada@fnal.gov
Prof. Xiaohui Fan (CoI)	University of Arizona	fan@as.arizona.edu
Dr. David A. Finley (CoI)	Fermi National Accelerator Laboratory (FNAL)	finley@fnal.gov

<i>Name</i>	<i>Institution</i>	<i>E-Mail</i>
Prof. Joshua Frieman (CoI)	University of Chicago	frieman@fnal.gov
Prof. Michael D. Gladders (CoI)	University of Chicago	gladders@oddjob.uchicago.edu
Prof. Patrick B. Hall (CoI)	York University	phall@yorku.ca
Ms. D. Kubik (CoI)	Fermi National Accelerator Laboratory (FNAL)	kubic@fnal.gov
Dr. Jeffrey Kubo (CoI)	Fermi National Accelerator Laboratory (FNAL)	kubo@fnal.gov
Dr. Crystal Martin (CoI)	University of California - Santa Barbara	cmartin@physics.ucsb.edu
Dr. David McGinnis (CoI)	Fermi National Accelerator Laboratory (FNAL)	mcginnis@fnal.gov
Dr. Masamune Oguri (CoI)	Stanford University	oguri@slac.stanford.edu
Dr. Vic Scarpine (CoI)	Fermi National Accelerator Laboratory (FNAL)	scarpine@fnal.gov
Prof. J. Allyn Smith (CoI)	Austin Peay State University, USA/TN	smithj@apsu.edu
Prof. Donald P. Schneider (CoI)	The Pennsylvania State University	dps@astro.psu.edu
Mr. Min-Su Shin (CoI)	Princeton University	msshin@astro.princeton.edu

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) 8OCLOCKARC	WFPC2	2	17-Sep-2008 21:12:25.0	yes
02	(1) 8OCLOCKARC	WFPC2	2	17-Sep-2008 21:12:29.0	yes
03	(1) 8OCLOCKARC	WFPC2	2	17-Sep-2008 21:12:32.0	yes
04	(1) 8OCLOCKARC	NIC2	2	17-Sep-2008 21:12:35.0	yes
05	(1) 8OCLOCKARC	NIC2	2	17-Sep-2008 21:12:37.0	yes
06	(2) SDSSJ1206+5142ARC	WFPC2	2	17-Sep-2008 21:12:39.0	yes
07	(2) SDSSJ1206+5142ARC	WFPC2	2	17-Sep-2008 21:12:42.0	yes
08	(2) SDSSJ1206+5142ARC	WFPC2	2	17-Sep-2008 21:12:44.0	yes
09	(2) SDSSJ1206+5142ARC	NIC2	2	17-Sep-2008 21:12:46.0	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>
10	(2) SDSSJ1206+5142ARC	NIC2	2	17-Sep-2008 21:12:49.0	yes
12	(1) 8OCLOCKARC	WFPC2	1	17-Sep-2008 21:12:51.0	yes
14	(1) 8OCLOCKARC	NIC2	1	17-Sep-2008 21:12:52.0	yes
21	(1) 8OCLOCKARC	WFPC2	2	17-Sep-2008 21:12:54.0	yes
23	(1) 8OCLOCKARC	WFPC2	2	17-Sep-2008 21:12:56.0	yes

26 Total Orbits Used

ABSTRACT

On rare occasions, the otherwise very faint Lyman Break Galaxies (LBGs) are magnified by gravitational lensing to provide exceptional targets for detailed spectroscopic and imaging studies. We propose HST WFPC2 and NICMOS imaging of two strongly lensed Lyman Break Galaxies (LBGs) that were recently discovered by members of our team. These two LBGs -- the "8 O'Clock Arc" and the "SDSS J1206+5142 Arc" -- are currently the brightest known LBGs, roughly 3 times brighter than the former record-holder, MS1512-cB58 (a.k.a. "cB58"). The $z=2.73$ "8 O'Clock Arc" extends ~ 10 arcsec in length and is magnified by a factor of 12. The $z=2.00$ "SDSS J1206+5142 Arc" also extends ~ 10 arcsec in length and is magnified by a factor of 30. Due to their brightness and magnification, these two strongly lensed LBGs offer an unprecedented opportunity for the very detailed investigation of two individual galaxies at high redshift. We are currently pursuing a vigorous ground-based campaign to obtain multi-wavelength (UV, optical, NIR, radio) observations of these two LBGs, but our campaign currently lacks a means of obtaining high-resolution optical/NIR imaging -- a lack that currently only HST can address. Our prime objective for this proposal is to obtain high resolution HST images of these two systems with two-orbit WFPC2 images in the BVI bands and two-orbit NICMOS/NIC2 images in the J and H bands. These data will allow us to construct detailed lensing models, probe the mass and light profiles of the lenses and their environments, and constrain the star formation histories and rest-frame UV/optical spectral energy distributions of the LBGs.

OBSERVING DESCRIPTION

Deep multi band optical and NIR imaging using WEPC2 (F450W, F606W, F814W) and NICMOS/NIC2 (F110W, F160W) for the brightest strongly lensed Lyman Break galaxies, the 8 O'clock arc and SDSS J1206+5142 arc.

REAL TIME JUSTIFICATION

None

CALIBRATION JUSTIFICATION

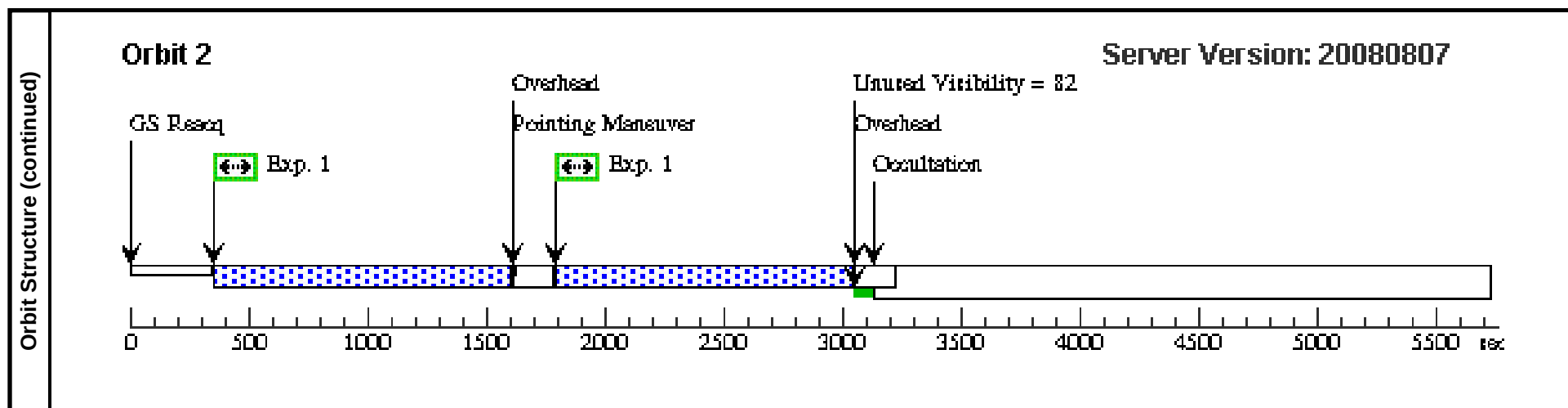
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ADDITIONAL COMMENTS

None

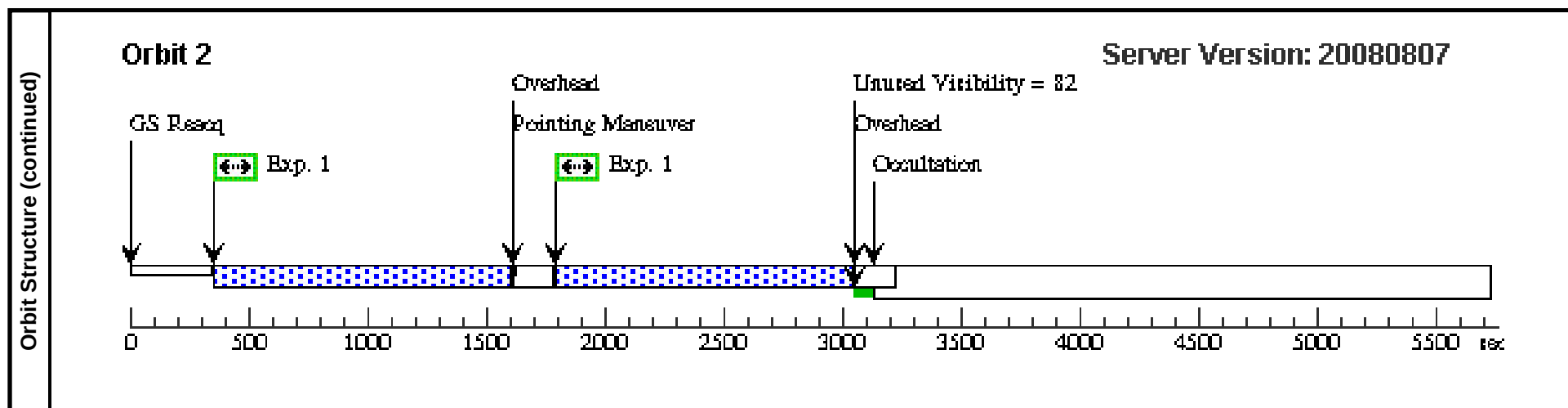
Proposal 11167 - Visit 01 - A Unique High Resolution Window to Two Strongly Lensed Lyman Break Galaxies

Visit	Proposal 11167, Visit 01, failed					Thu Sep 18 01:12:59 GMT 2008					
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFPC2										
	Special Requirements: ORIENT 210.0D TO 260.0 D										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	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=false						(1)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	8OCLOCKARC	RA: 00 22 40.9100 (5.6704583d) Dec: +14 31 10.40 (14.51956d) Equinox: J2000		Redshift: 0.38		V=19.5+/-0.1 19.2 SDSS r		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(1) 8OCLOCKARC	WFPC2, IMAGE, WF3	F450W			Pattern 1-1 (1)	600.0 Secs		
									[==>1100.0 Secs (Pattern 1)]		[1]
									[==>1100.0 Secs (Pattern 2)]		
									[==>1100.0 Secs (Pattern 3)]		[2]
									[==>1100.0 Secs (Pattern 4)]		
Orbit Structure	Orbit 1										
	Server Version: 20080807										



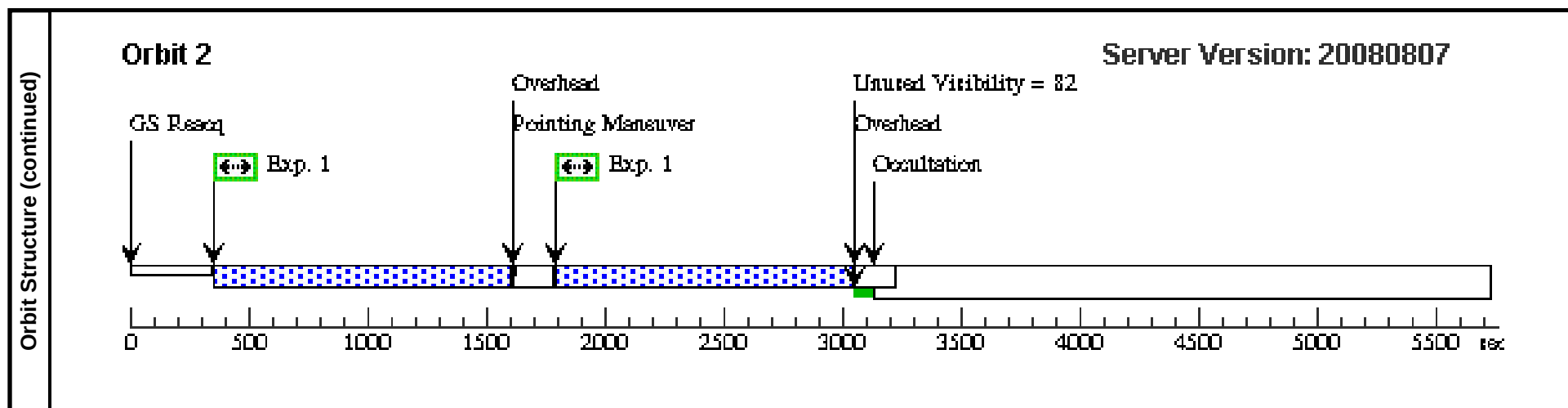
Proposal 11167 - Visit 02 - A Unique High Resolution Window to Two Strongly Lensed Lyman Break Galaxies

Visit	Proposal 11167, Visit 02, failed					Thu Sep 18 01:13:00 GMT 2008					
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFPC2										
	Special Requirements: SAME ORIENT AS 01										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	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=false						(1)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	8OCLOCKARC	RA: 00 22 40.9100 (5.6704583d) Dec: +14 31 10.40 (14.51956d) Equinox: J2000		Redshift: 0.38		V=19.5+/-0.1 19.2 SDSS r		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(1) 8OCLOCKARC	WFPC2, IMAGE, WF3	F606W			Pattern 1-1 (1)	600.0 Secs		
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									[==>1100.0 Secs (Pattern 2)]		
									[==>1100.0 Secs (Pattern 3)]		
									[==>1100.0 Secs (Pattern 4)]		[2]
Orbit Structure	Orbit 1 Server Version: 20080807 Unused Visibility = 82 Pointing Maneuver Overhead Pointing Maneuver Overhead Occultation GS Acq Exp. 1 Exp. 1										



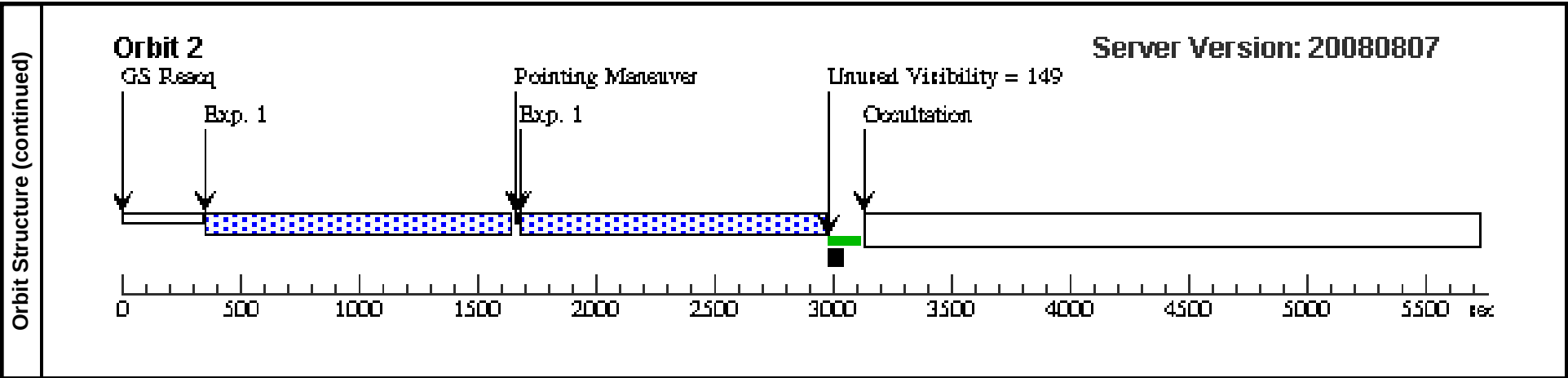
Proposal 11167 - Visit 03 - A Unique High Resolution Window to Two Strongly Lensed Lyman Break Galaxies

Visit	Proposal 11167, Visit 03, failed					Thu Sep 18 01:13:01 GMT 2008					
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFPC2										
	Special Requirements: SAME ORIENT AS 01										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(1)	Pattern Type=WFPC2-BOX		Coordinate Frame=POS-TARG						(1)	
Purpose=DITHER		Pattern Orientation=26.56505									
Number Of Points=4		Angle Between Sides=143.1301									
Point Spacing=0.559017		Center Pattern=false									
Line Spacing=0.559017											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	8OCLOCKARC	RA: 00 22 40.9100 (5.6704583d) Dec: +14 31 10.40 (14.51956d) Equinox: J2000		Redshift: 0.38		V=19.5+/-0.1 19.2 SDSS r		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(1) 8OCLOCKARC	WFPC2, IMAGE, WF3	F814W			Pattern 1-1 (1)	600.0 Secs		
									[=>1100.0 Secs (Pattern 1)]		[1]
									[=>1100.0 Secs (Pattern 2)]		
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Orbit Structure	Orbit 1 Server Version: 20080807										



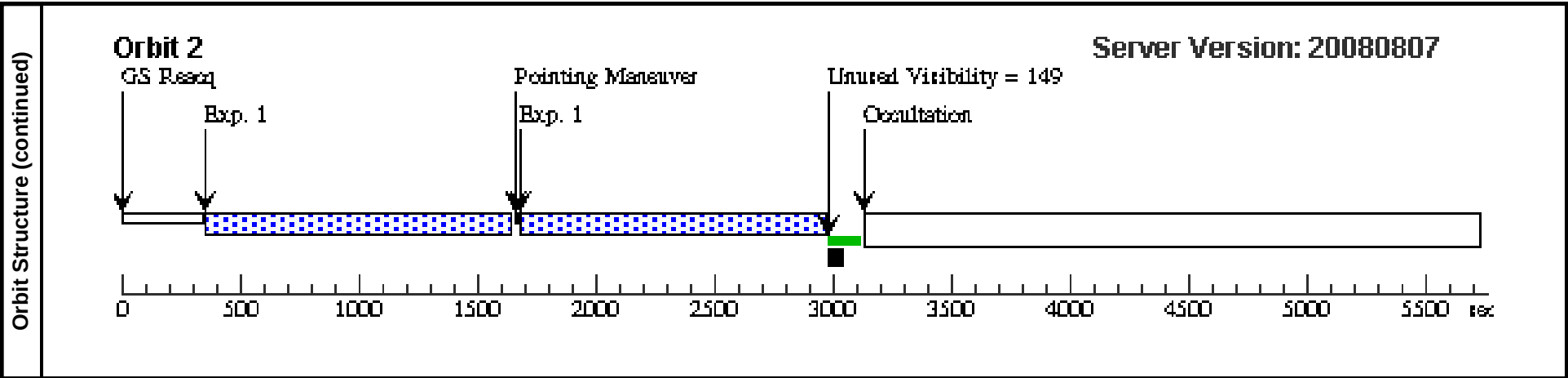
Proposal 11167 - Visit 04 - A Unique High Resolution Window to Two Strongly Lensed Lyman Break Galaxies

Visit	Proposal 11167, Visit 04, completed					Thu Sep 18 01:13:01 GMT 2008					
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: NIC2										
	Special Requirements: SAME ORIENT AS 01										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(2)	Pattern Type=NIC-SQUARE-WAVE-DITH Purpose=DITHER Number Of Points=4 Point Spacing=2.5 Line Spacing=2.5				Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides=270.0 Center Pattern=false				(1)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	8OCLOCKARC	RA: 00 22 40.9100 (5.6704583d) Dec: +14 31 10.40 (14.51956d) Equinox: J2000		Redshift: 0.38		V=19.5+/-0.1 19.2 SDSS r		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(1) 8OCLOCKARC	NIC2, MULTIACCUM, NIC2-FIX	F110W	NSAMP=7; SAMP-SEQ=SPAR S256		Pattern 1-1 (2)	[>=>(Pattern 1)]		[1]
									[>=>(Pattern 2)]		
									[>=>(Pattern 3)]		
								[>=>(Pattern 4)]		[2]	
Orbit Structure	Orbit 1 Server Version: 20080807 05001000150020002500300035004000450050005500sec.										



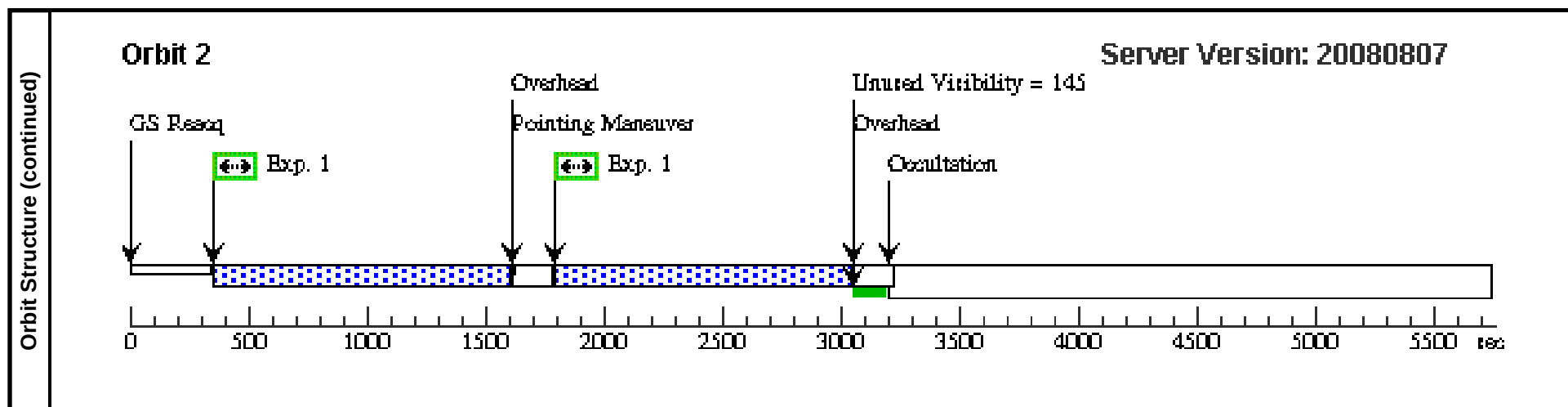
Proposal 11167 - Visit 05 - A Unique High Resolution Window to Two Strongly Lensed Lyman Break Galaxies

Visit	Proposal 11167, Visit 05, completed					Thu Sep 18 01:13:02 GMT 2008					
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: NIC2										
	Special Requirements: SAME ORIENT AS 01										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(2)	Pattern Type=NIC-SQUARE-WAVE-DITH Purpose=DITHER Number Of Points=4 Point Spacing=2.5 Line Spacing=2.5				Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides=270.0 Center Pattern=false				(1)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	8OCLOCKARC	RA: 00 22 40.9100 (5.6704583d) Dec: +14 31 10.40 (14.51956d) Equinox: J2000		Redshift: 0.38		V=19.5+/-0.1 19.2 SDSS r		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(1) 8OCLOCKARC	NIC2, MULTIACCUM, NIC2-FIX	F160W	NSAMP=7; SAMP-SEQ=SPAR S256		Pattern 1-1 (2)	[=>(Pattern 1)]		[1]
									[=>(Pattern 2)]		
									[=>(Pattern 3)]		
								[=>(Pattern 4)]		[2]	
Orbit Structure	Orbit 1 Server Version: 20080807 GS Acq Bxp. 1 Pointing Maneuver Bxp. 1 Pointing Maneuver Occultation Unused Visibility = 124										



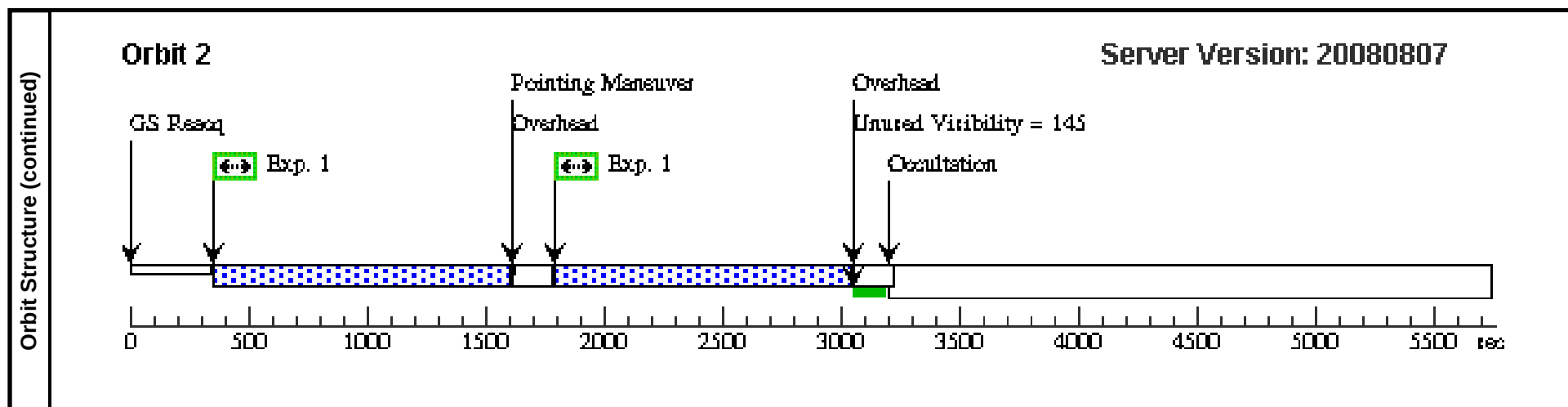
Proposal 11167 - Visit 06 - A Unique High Resolution Window to Two Strongly Lensed Lyman Break Galaxies

Visit	Proposal 11167, Visit 06, completed										Thu Sep 18 01:13:02 GMT 2008
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	Scientific Instruments: WFPC2										
	Special Requirements: ORIENT 240.0D TO 330.0 D										
Patterns	#	Primary Pattern					Secondary Pattern				Exposures
	(1)	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=false				(1)
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(2)	SDSSJ1206+5142ARC	RA: 12 06 2.0900 (181.5087083d) Dec: +51 42 29.50 (51.70819d) Equinox: J2000		Redshift: 0.42		V=19.5+/-0.2 19.2 SDSS r		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(2) SDSSJ1206+514 2ARC	WFPC2, IMAGE, WF2	F450W			Pattern 1-1 (1)	600.0 Secs		
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									[=>1100.0 Secs (Pattern 2)]		
									[=>1100.0 Secs (Pattern 3)]		[2]
Orbit Structure	Orbit 1 Server Version: 20080807										



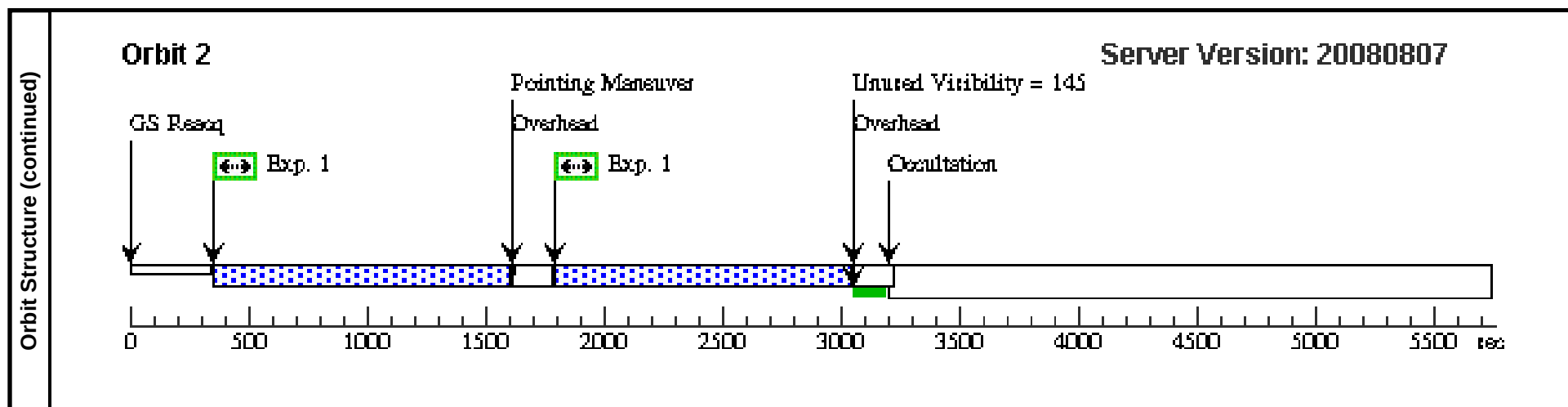
Proposal 11167 - Visit 07 - A Unique High Resolution Window to Two Strongly Lensed Lyman Break Galaxies

Visit	Proposal 11167, Visit 07, completed					Thu Sep 18 01:13:02 GMT 2008				
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFPC2									
	Special Requirements: SAME ORIENT AS 06									
Patterns	#	Primary Pattern			Secondary Pattern	Exposures				
	(1)	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=false	(1)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	SDSSJ1206+5142ARC	RA: 12 06 2.0900 (181.5087083d) Dec: +51 42 29.50 (51.70819d) Equinox: J2000	Redshift: 0.42	V=19.5+/-0.2 19.2 SDSS r	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(2) SDSSJ1206+5142ARC	WFPC2, IMAGE, WF2	F606W			Pattern 1-1 (1)	600.0 Secs	
									[=>1100.0 Secs (Pattern 1)]	[1]
									[=>1100.0 Secs (Pattern 2)]	
									[=>1100.0 Secs (Pattern 3)]	[2]
									[=>1100.0 Secs (Pattern 4)]	
Orbit Structure	Orbit 1									
	Server Version: 20080807									



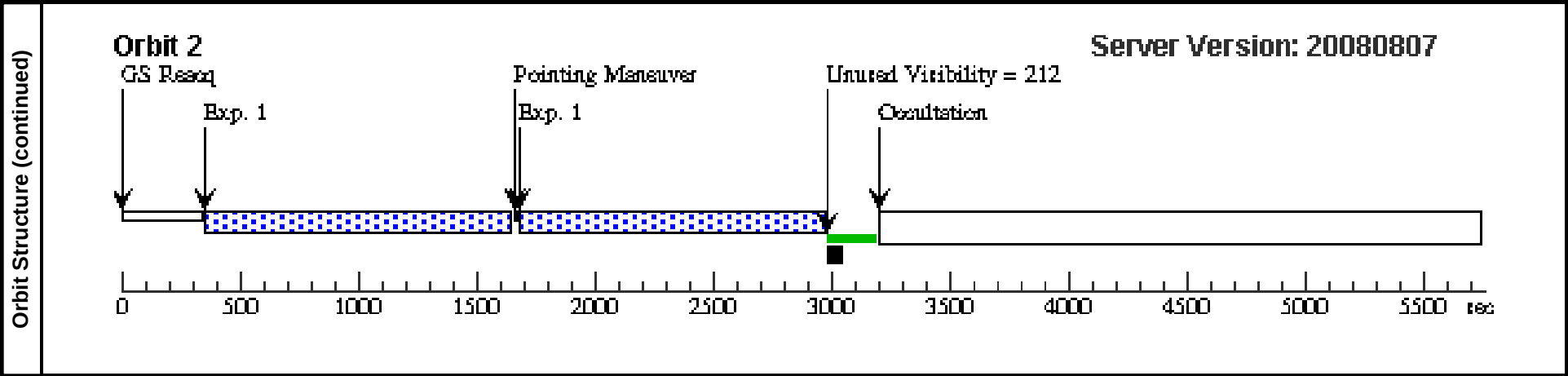
Proposal 11167 - Visit 08 - A Unique High Resolution Window to Two Strongly Lensed Lyman Break Galaxies

Visit	Proposal 11167, Visit 08, completed Thu Sep 18 01:13:03 GMT 2008				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: SAME ORIENT AS 06				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	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=false Line Spacing=0.559017			(1)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(2)	SDSSJ1206+5142ARC	RA: 12 06 2.0900 (181.5087083d) Dec: +51 42 29.50 (51.70819d) Equinox: J2000	Redshift: 0.42	V=19.5+/-0.2 19.2 SDSS r
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1		(2) SDSSJ1206+514 2ARC	WFPC2, IMAGE, WF2	F814W
					Opt. Params.
					Special Reqs.
					Groups
					Exp. Time/[Actual Dur.]
					Orbit
					600.0 Secs
					[=>1100.0 Secs (Pattern 1)]
					[=>1100.0 Secs (Pattern 2)]
					[=>1100.0 Secs (Pattern 3)]
					[=>1100.0 Secs (Pattern 4)]
Orbit Structure	Orbit 1 Server Version: 20080807				



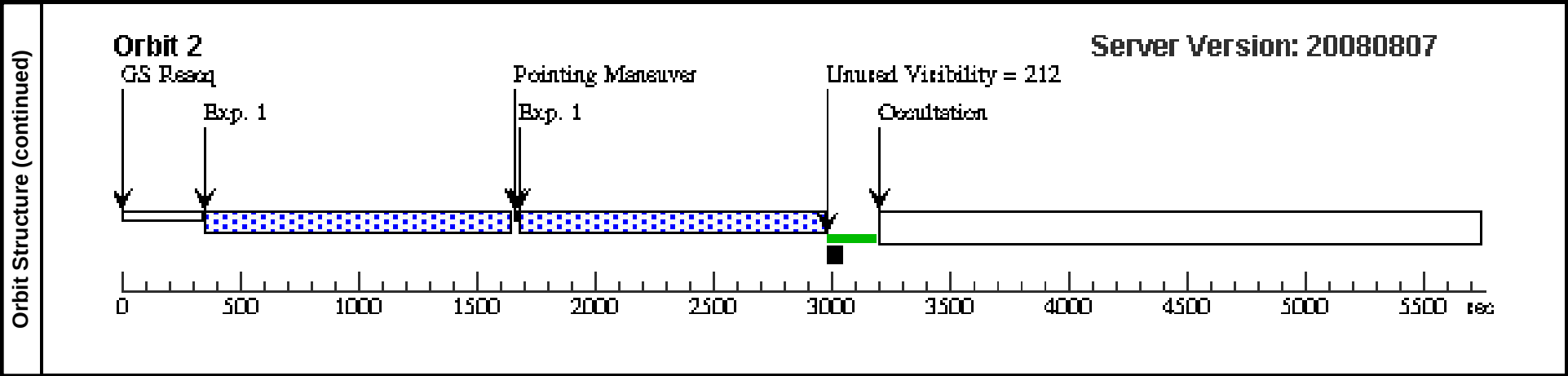
Proposal 11167 - Visit 09 - A Unique High Resolution Window to Two Strongly Lensed Lyman Break Galaxies

Visit	Proposal 11167, Visit 09, completed										Thu Sep 18 01:13:03 GMT 2008
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: NIC2										
	Special Requirements: SAME ORIENT AS 06										
Patterns	#	Primary Pattern					Secondary Pattern				Exposures
	(2)	Pattern Type=NIC-SQUARE-WAVE-DITH Purpose=DITHER Number Of Points=4 Point Spacing=2.5 Line Spacing=2.5					Coordinate Frame=POS-TARG Pattern Orientation=90.0 Angle Between Sides=270.0 Center Pattern=false				(1)
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(2)	SDSSJ1206+5142ARC	RA: 12 06 2.0900 (181.5087083d) Dec: +51 42 29.50 (51.70819d) Equinox: J2000		Redshift: 0.42		V=19.5+/-0.2 19.2 SDSS r		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(2) SDSSJ1206+5142ARC	NIC2, MULTIACCUM, NIC2-FIX	F110W	NSAMP=7; SAMP-SEQ=SPAR S256		Pattern 1-1 (2)	[==>(Pattern 1)]		[1]
									[==>(Pattern 2)]		
									[==>(Pattern 3)]		
								[==>(Pattern 4)]		[2]	
Orbit Structure	Orbit 1 Server Version: 20080807 GS Acq Exp. 1 Pointing Maneuver Pointing Maneuver Pointing Maneuver Occultation Exp. 1 Unused Visibility = 187 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 sec.										



Proposal 11167 - Visit 10 - A Unique High Resolution Window to Two Strongly Lensed Lyman Break Galaxies

Visit	Proposal 11167, Visit 10, completed										Thu Sep 18 01:13:03 GMT 2008
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: NIC2										
	Special Requirements: SAME ORIENT AS 06										
Patterns	#	Primary Pattern					Secondary Pattern			Exposures	
	(2)	Pattern Type=NIC-SQUARE-WAVE-DITH Coordinate Frame=POS-TARG Pattern Orientation=90.0 Purpose=DITHER Angle Between Sides=270.0 Number Of Points=4 Center Pattern=false Point Spacing=2.5 Line Spacing=2.5								(1)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(2)	SDSSJ1206+5142ARC	RA: 12 06 2.0900 (181.5087083d) Dec: +51 42 29.50 (51.70819d) Equinox: J2000		Redshift: 0.42		V=19.5+/-0.2 19.2 SDSS r		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1		(2) SDSSJ1206+5142ARC	NIC2, MULTIACCUM, NIC2-FIX	F160W	NSAMP=7; SAMP-SEQ=SPAR S256		Pattern 1-1 (2)	[>=>(Pattern 1)]		[1]
									[>=>(Pattern 2)]		
									[>=>(Pattern 3)]		[2]
Orbit Structure	Orbit 1 Server Version: 20080807										



Proposal 11167 - Visit 12 - A Unique High Resolution Window to Two Strongly Lensed Lyman Break Galaxies

Visit	Proposal 11167, Visit 12, completed Thu Sep 18 01:13:04 GMT 2008									
	Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: SAME ORIENT AS 01 Comments: Repeat orbit 2 of visit 02.									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	8OCLOCKARC	RA: 00 22 40.9100 (5.6704583d) Dec: +14 31 10.40 (14.51956d) Equinox: J2000	Redshift: 0.38	V=19.5+/-0.1 19.2 SDSS r	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(1) 8OCLOCKARC	WFPC2, IMAGE, WF3	F606W			POS TARG 0.75,0.7 5		600 Secs	
									[=>1100 Secs]	[1]
	2	(1) 8OCLOCKARC	WFPC2, IMAGE, WF3	F606W			POS TARG 0.25,0.5		600.0 Secs	
									[=>1100 Secs]	[1]
Orbit Structure	Orbit 1 Server Version: 20080807									
	GS Acq Exp. 1 Pointing Maneuver Exp. 2 Overhead Unused Visibility = 82 Occultation 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 sec									

Proposal 11167 - Visit 14 - A Unique High Resolution Window to Two Strongly Lensed Lyman Break Galaxies

Visit	Proposal 11167, Visit 14, completed Thu Sep 18 01:13:04 GMT 2008									
	Diagnostic Status: No Diagnostics Scientific Instruments: NIC2 Special Requirements: SAME ORIENT AS 01 Comments: Repat first exposure of visit 04.									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	8OCLOCKARC	RA: 00 22 40.9100 (5.6704583d) Dec: +14 31 10.40 (14.51956d) Equinox: J2000	Redshift: 0.38	V=19.5+/-0.1 19.2 SDSS r	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(1) 8OCLOCKARC	NIC2, MULTIACCUM, NIC2-FIX	F110W	NSAMP=7; SAMP-SEQ=SPAR S256			[==>]	[1]
Orbit Structure	Orbit 1 GS Acq Exp. 1									
	Unused Visibility = 1475 Occultation Server Version: 20080807									

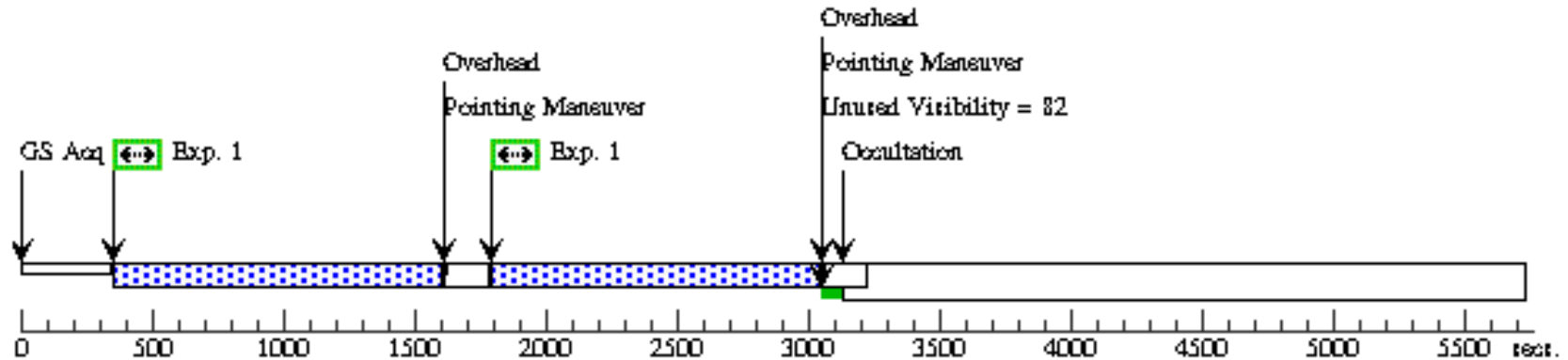
Proposal 11167 - Visit 21 - A Unique High Resolution Window to Two Strongly Lensed Lyman Break Galaxies

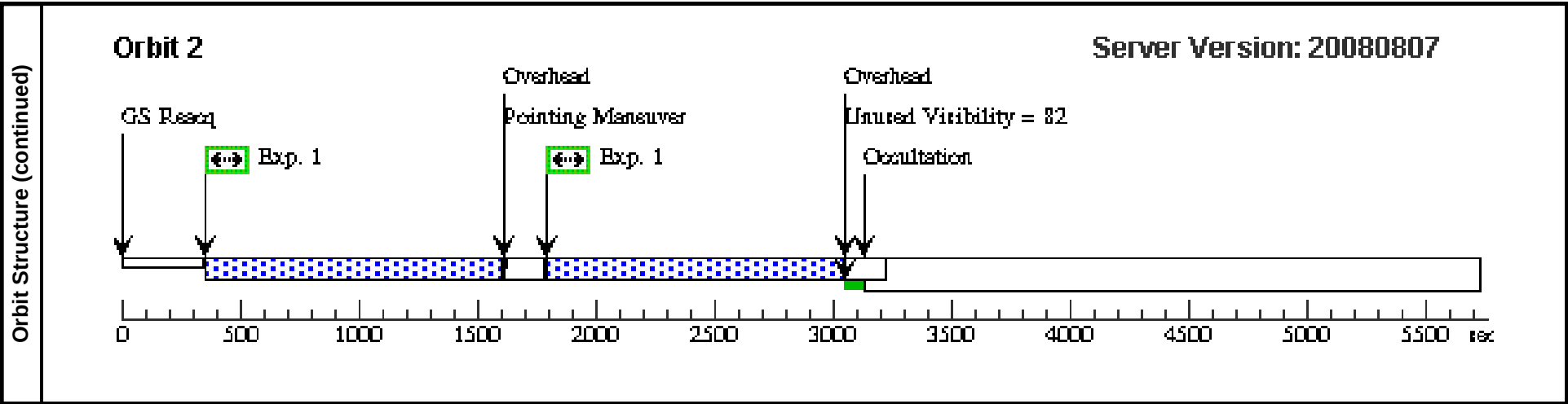
Thu Sep 18 01:13:04 GMT 2008

Visit	Proposal 11167, Visit 21, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: SAME ORIENT AS 01 Comments: Repeat of failed visit 01.				
Patterns	#	Primary Pattern		Secondary Pattern	Exposures
	(1)	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=false Line Spacing=0.559017			(1)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(1)	8OCLOCKARC	RA: 00 22 40.9100 (5.6704583d) Dec: +14 31 10.40 (14.51956d) Equinox: J2000	Redshift: 0.38	V=19.5+/-0.1 19.2 SDSS r
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.
	1		(1) 8OCLOCKARC	WFPC2, IMAGE, WF3	F450W
					Opt. Params.
					Special Reqs.
					Groups
					Pattern 1-1 (1)
					Exp. Time/[Actual Dur.]
					600.0 Secs
					Orbit
					[1]
					[2]
					[2]

Orbit 1

Server Version: 20080807





Proposal 11167 - Visit 23 - A Unique High Resolution Window to Two Strongly Lensed Lyman Break Galaxies

Thu Sep 18 01:13:04 GMT 2008

Visit	Proposal 11167, Visit 23, implementation										Thu Sep 18 01:13:04 GMT 2008
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: WFPC2										
	Special Requirements: SAME ORIENT AS 01										
	Comments: Repeat of failed visit 03.										
Patterns	#	Primary Pattern					Secondary Pattern			Exposures	
	(1)	Pattern Type=WFPC2-BOX		Coordinate Frame=POS-TARG						(1)	
Purpose=DITHER		Pattern Orientation=26.56505									
Number Of Points=4		Angle Between Sides=143.1301									
Point Spacing=0.559017		Center Pattern=false									
Line Spacing=0.559017											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	8OCLOCKARC	RA: 00 22 40.9100 (5.6704583d) Dec: +14 31 10.40 (14.51956d) Equinox: J2000		Redshift: 0.38		V=19.5+/-0.1 19.2 SDSS r		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	(1) 8OCLOCKARC	WFPC2, IMAGE, WF3	F814W				Pattern 1-1 (1)	600.0 Secs		
									[=>1100.0 Secs (Pattern 1)]	[1]	
									[=>1100.0 Secs (Pattern 2)]		
									[=>1100.0 Secs (Pattern 3)]	[2]	
								[=>1100.0 Secs (Pattern 4)]			
Orbit Structure	Orbit 1 Server Version: 20080807 GS Acq Exp. 1 Pointing Maneuver Overhead Exp. 1 Pointing Maneuver Overhead Occultation Pointing Maneuver Unused Visibility = 82 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 sec.										

