



9806 - Properties of the Intergalactic Medium near the Epoch of HeII Reionization

Cycle: 12, Proposal Category: GO

(Availability Mode: SUPPORTED)

INVESTIGATORS

<i>Name</i>	<i>Institution</i>	<i>E-Mail</i>
Dr. Wei Zheng (PI)	The Johns Hopkins University	zheng@pha.jhu.edu
Prof. Scott Anderson (CoI)	University of Washington	anderson@astro.washington.edu
Prof. Craig Hogan (CoI)	University of Washington	hogan@astro.washington.edu
Prof. Donald G. York (CoI)	University of Chicago	don@odjjob.uchicago.edu
Prof. Donald P. Schneider (CoI)	The Pennsylvania State University	dps@astro.psu.edu
Prof. David Weinberg (CoI)	The Ohio State University Research Foundation	dhw@astronomy.ohio-state.edu
Dr. Gerard A. Kriss (CoI)	Space Telescope Science Institute	gak@stsci.edu

VISITS

<i>Visit</i>	<i>Targets</i>	<i>Configurations</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(1) SDSS2346-0016	ACS/SBC	1	18-Aug-2005 21:01:18.0	yes
02	(1) SDSS2346-0016	ACS/SBC	1	18-Aug-2005 21:01:26.0	yes
03	(1) SDSS2346-0016	ACS/SBC	1	18-Aug-2005 21:01:30.0	yes
04	(1) SDSS2346-0016	ACS/SBC	1	18-Aug-2005 21:01:35.0	yes
05	(1) SDSS2346-0016	ACS/SBC	1	18-Aug-2005 21:01:39.0	yes
06	(1) SDSS2346-0016	ACS/SBC	1	18-Aug-2005 21:01:43.0	yes
07	(1) SDSS2346-0016	ACS/SBC	1	18-Aug-2005 21:01:47.0	yes

Proposal 9806 - Overview

<i>Visit</i>	<i>Targets</i>	<i>Configurations</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
08	(1) SDSS2346-0016	ACS/SBC	1	18-Aug-2005 21:01:51.0	yes
09	(1) SDSS2346-0016	ACS/SBC	1	18-Aug-2005 21:01:55.0	yes
10	(1) SDSS2346-0016	ACS/SBC	1	18-Aug-2005 21:01:59.0	yes
11	(1) SDSS2346-0016	ACS/SBC	1	18-Aug-2005 21:02:04.0	yes
12	(1) SDSS2346-0016	ACS/SBC	1	18-Aug-2005 21:02:08.0	yes
13	(1) SDSS2346-0016	ACS/SBC	1	18-Aug-2005 21:02:12.0	yes
14	(1) SDSS2346-0016	ACS/SBC	1	18-Aug-2005 21:02:16.0	yes
15	(1) SDSS2346-0016	ACS/SBC	1	18-Aug-2005 21:02:20.0	yes
16	(1) SDSS2346-0016	ACS/SBC	1	18-Aug-2005 21:02:25.0	yes
17	(1) SDSS2346-0016	ACS/SBC	1	18-Aug-2005 21:02:29.0	yes
18	(1) SDSS2346-0016	ACS/SBC	1	18-Aug-2005 21:02:33.0	yes
19	(1) SDSS2346-0016	ACS/SBC	1	18-Aug-2005 21:02:37.0	yes
20	(1) SDSS2346-0016	ACS/SBC	1	18-Aug-2005 21:02:42.0	yes

20 Total Orbits Used

ABSTRACT

Our STIS spectral snapshot programs have found a rare case of a HeII Lyman-alpha absorption trough in a $z=3.51$, $V=17.6$ quasar. This is the highest redshift at which this feature has been observed. We propose to obtain a high-quality STIS spectrum that will enable us to (1) Investigate the evolution and properties of the intergalactic medium (IGM) over an epoch between $z=2.8$ and 3.5 ; (2) Search for signs of the reionization of the intergalactic helium; (3) Measure the intensity of the UV background radiation, and find clues toward its origin; and (4) Estimate the IGM baryonic density. The instrument has been changed from STIS to ASC prism.

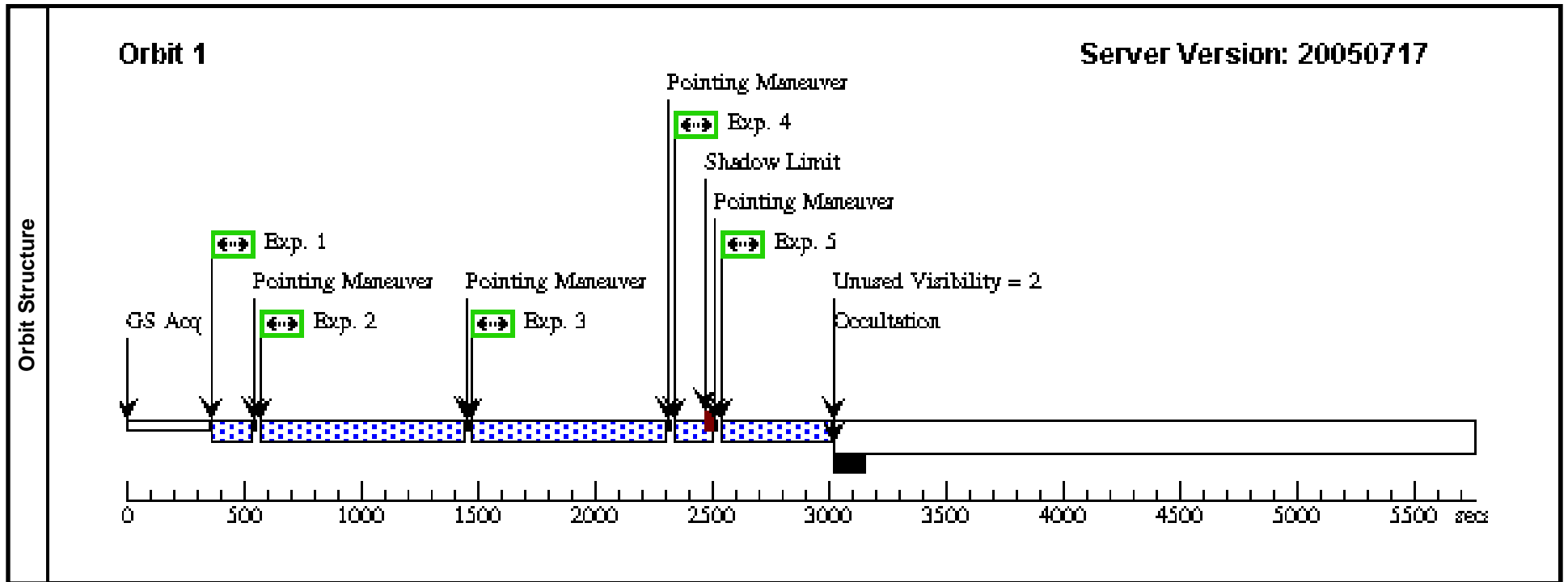
OBSERVING DESCRIPTION

This object was observed in our SNAP program with the same configuration, for 600 sec. We will carry out a longer exposure to improve the S/N.

Proposal 9806 - Visit 01 - Properties of the Intergalactic Medium near the Epoch of Hell Reionization

Fri Aug 19 01:02:44 GMT 2005

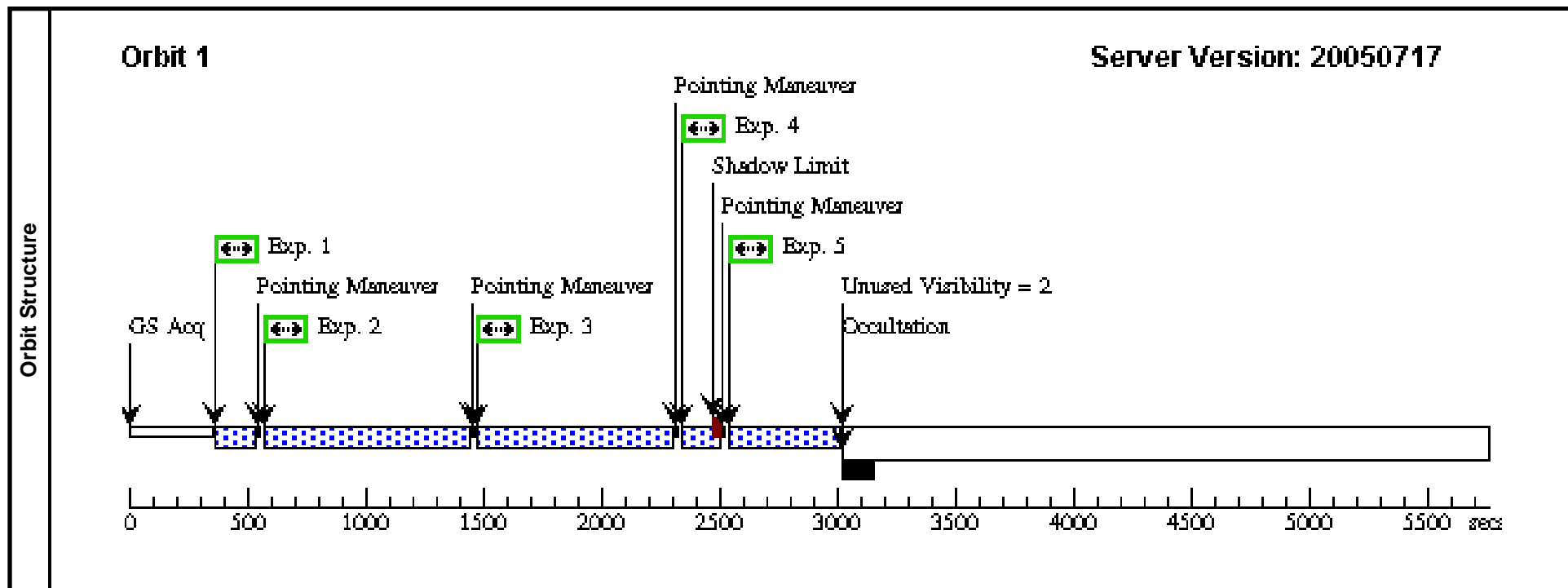
Visit	Proposal 9806, Visit 01 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/SBC Special Requirements: PCS MODE FINE; SCHED 100%									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	SDSS2346-0016	RA: 23 46 25.6700 (356.6069583d) Dec: -00 16 0.05 (-.26668d) Equinox: J2000 Plate Id: 02JI	Proper Motion RA: 0.0s/yr Proper Motion Dec: 0.0"/yr Parallax: 0.0" Epoch of Position:	V=17.5+/-0.3	Coordinate Source: HST_IMAGE				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	F150LP				100.0 Secs [==>]	[1]
	2		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L			SHADOW	805.0 Secs [==>]	[1]
	3		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L			POS TARG 0.017,0; SHADOW	805.0 Secs [==>]	[1]
	4		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	F150LP			POS TARG 0.017,0	100.0 Secs [==>]	[1]
	5		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L				410.0 Secs [==>]	[1]
	<i>Comments: Exposure 5 can be shortened.</i>									



Proposal 9806 - Visit 02 - Properties of the Intergalactic Medium near the Epoch of Hell Reionization

Fri Aug 19 01:02:45 GMT 2005

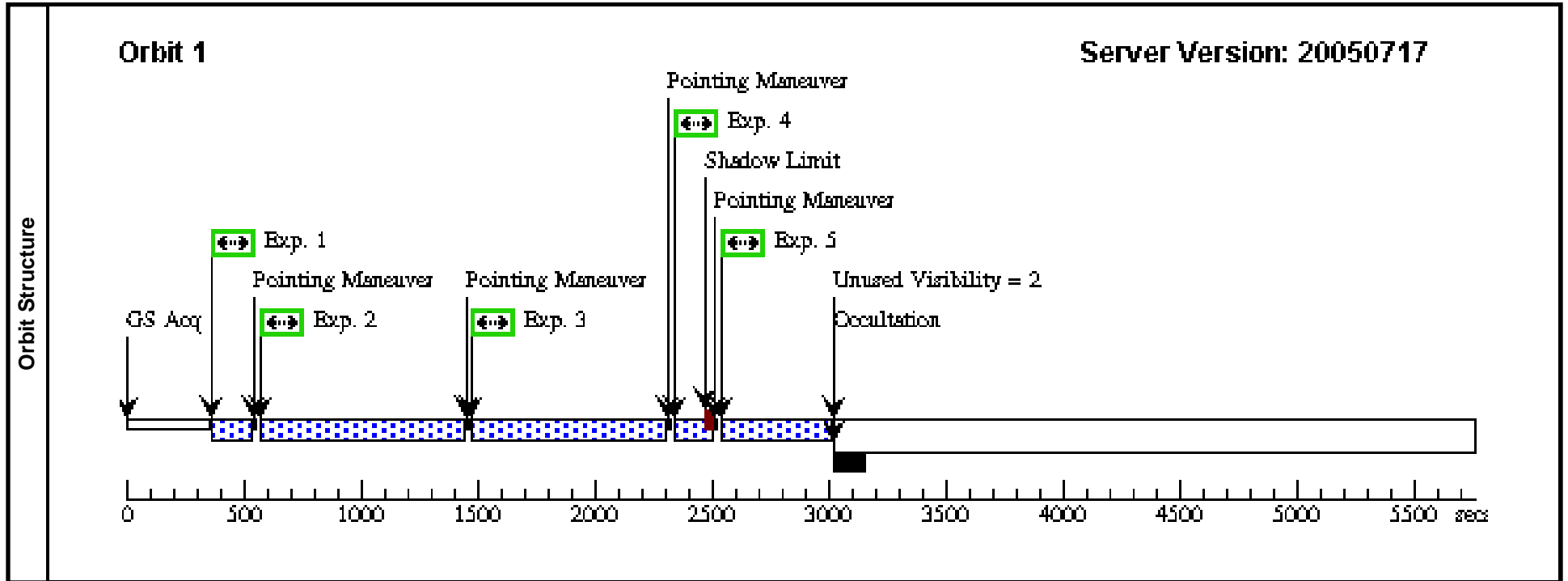
Visit	Proposal 9806, Visit 02 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/SBC Special Requirements: PCS MODE FINE; SCHED 100%; SAME ORIENT AS 01									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	SDSS2346-0016	RA: 23 46 25.6700 (356.6069583d) Dec: -00 16 0.05 (-.26668d) Equinox: J2000 Plate Id: 02JI	Proper Motion RA: 0.0s/yr Proper Motion Dec: 0.0"/yr Parallax: 0.0" Epoch of Position:	V=17.5+/-0.3	Coordinate Source: HST_IMAGE				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	F150LP				100.0 Secs [==>]	[1]
	2		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L			SHADOW	805.0 Secs [==>]	[1]
	3		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L			POS TARG 0.017,0; SHADOW	805.0 Secs [==>]	[1]
	4		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	F150LP			POS TARG 0.017,0	100.0 Secs [==>]	[1]
	5		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L				410.0 Secs [==>]	[1]
<i>Comments: Exposure 5 may be shortened.</i>										



Proposal 9806 - Visit 03 - Properties of the Intergalactic Medium near the Epoch of Hell Reionization

Fri Aug 19 01:02:45 GMT 2005

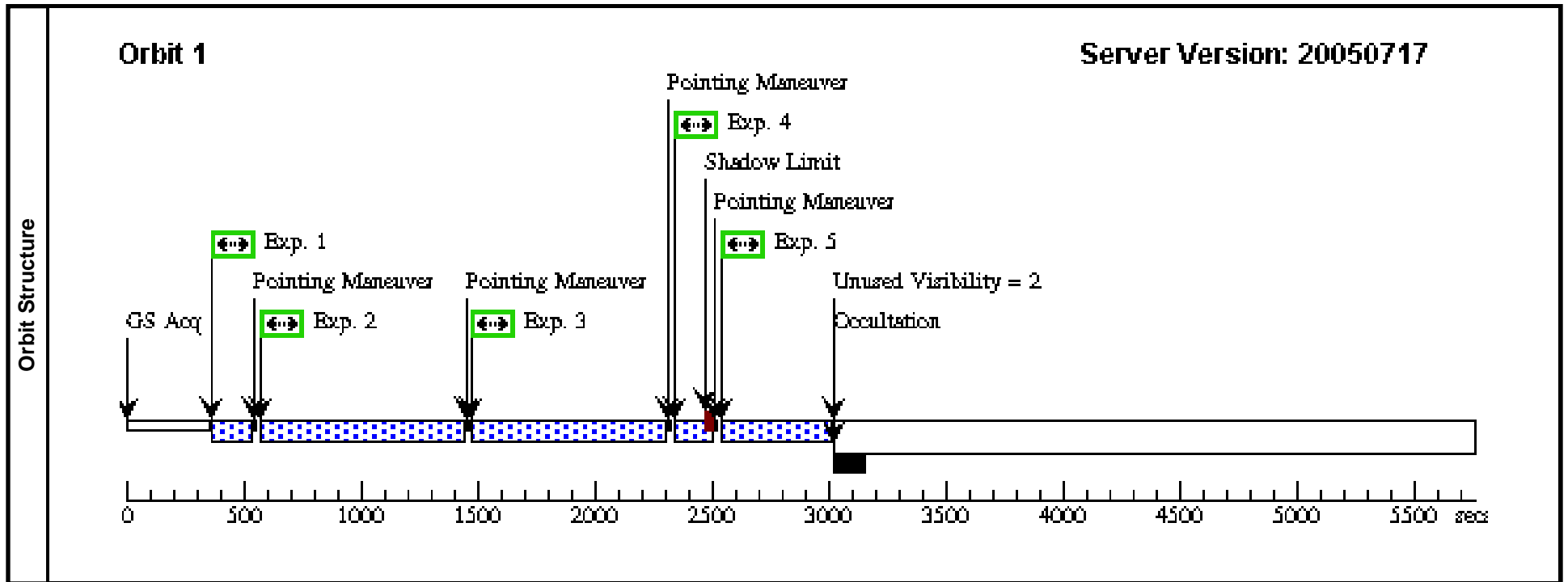
Visit	Proposal 9806, Visit 03 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/SBC Special Requirements: PCS MODE FINE; SCHED 100%; SAME ORIENT AS 01									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	SDSS2346-0016	RA: 23 46 25.6700 (356.6069583d) Dec: -00 16 0.05 (-.26668d) Equinox: J2000 Plate Id: 02JI	Proper Motion RA: 0.0s/yr Proper Motion Dec: 0.0"/yr Parallax: 0.0" Epoch of Position:	V=17.5+/-0.3	Coordinate Source: HST_IMAGE				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	F150LP				100.0 Secs [==>]	[1]
	2		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L			SHADOW	805.0 Secs [==>]	[1]
	3		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L			POS TARG 0.017,0; SHADOW	805.0 Secs [==>]	[1]
	4		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	F150LP			POS TARG 0.017,0	100.0 Secs [==>]	[1]
	5		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L				410.0 Secs [==>]	[1]
	<i>Comments: Exposure 5 may be shortened.</i>									



Proposal 9806 - Visit 04 - Properties of the Intergalactic Medium near the Epoch of Hell Reionization

Fri Aug 19 01:02:46 GMT 2005

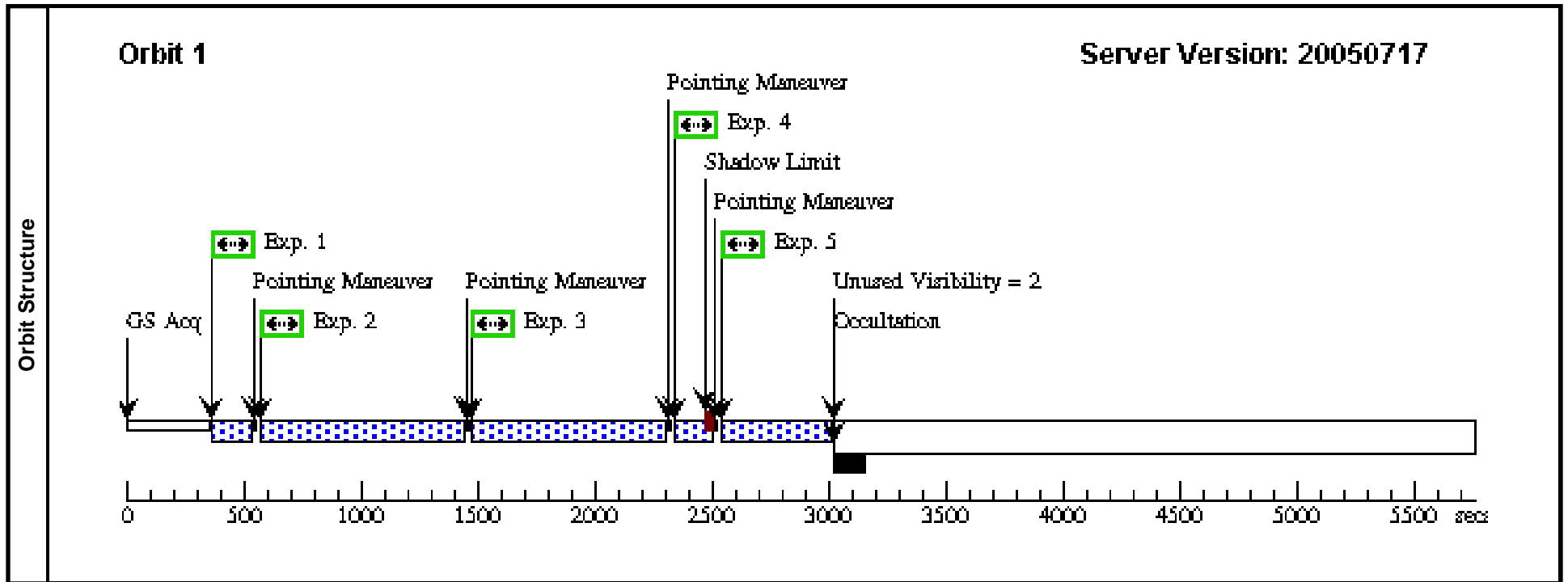
Visit	Proposal 9806, Visit 04 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/SBC Special Requirements: PCS MODE FINE; SCHED 100%; SAME ORIENT AS 01									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	SDSS2346-0016	RA: 23 46 25.6700 (356.6069583d) Dec: -00 16 0.05 (-.26668d) Equinox: J2000 Plate Id: 02JI	Proper Motion RA: 0.0s/yr Proper Motion Dec: 0.0"/yr Parallax: 0.0" Epoch of Position:	V=17.5+/-0.3	Coordinate Source: HST_IMAGE				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	F150LP				100.0 Secs [==>]	[1]
	2		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L			SHADOW	805.0 Secs [==>]	[1]
	3		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L			POS TARG 0.017,0; SHADOW	805.0 Secs [==>]	[1]
	4		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	F150LP			POS TARG 0.017,0	100.0 Secs [==>]	[1]
	5		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L				410.0 Secs [==>]	[1]
<i>Comments: Exposure 5 may be shortened.</i>										



Proposal 9806 - Visit 05 - Properties of the Intergalactic Medium near the Epoch of Hell Reionization

Fri Aug 19 01:02:46 GMT 2005

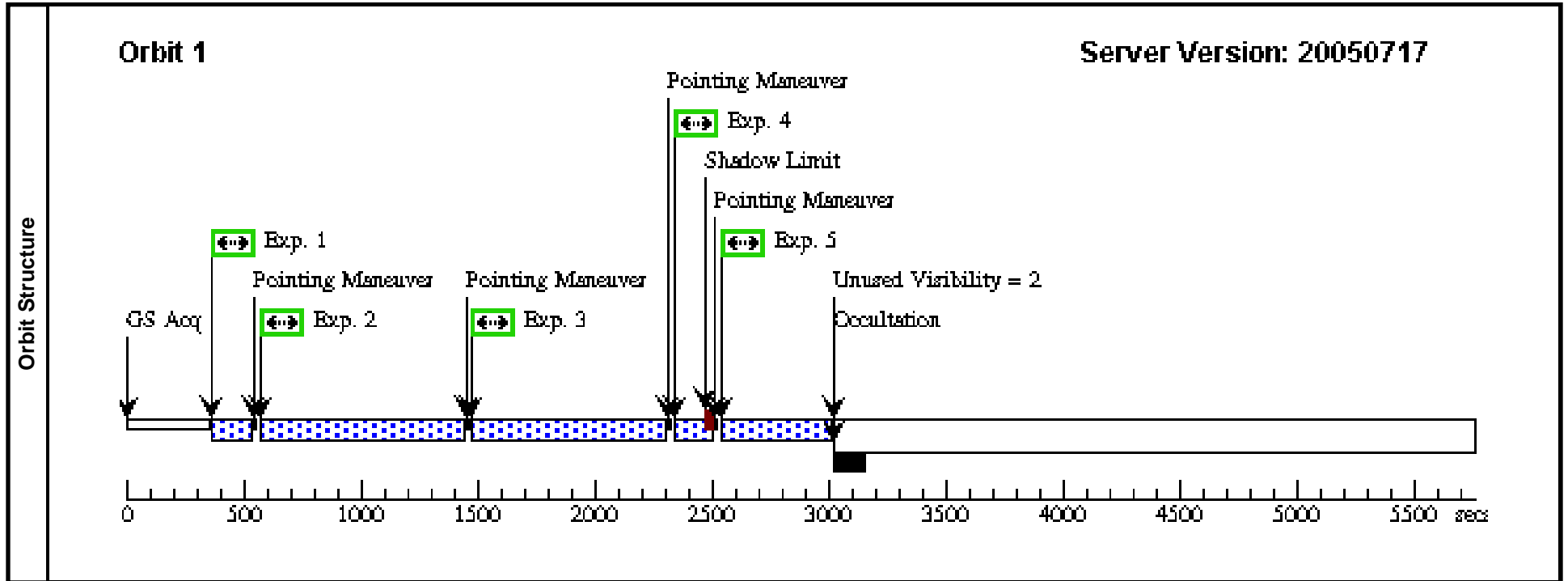
Visit	Proposal 9806, Visit 05 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/SBC Special Requirements: PCS MODE FINE; SCHED 100%; SAME ORIENT AS 01									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	SDSS2346-0016	RA: 23 46 25.6700 (356.6069583d) Dec: -00 16 0.05 (-.26668d) Equinox: J2000 Plate Id: 02JI	Proper Motion RA: 0.0s/yr Proper Motion Dec: 0.0"/yr Parallax: 0.0" Epoch of Position:	V=17.5+/-0.3	Coordinate Source: HST_IMAGE				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	F150LP				100.0 Secs [==>]	[1]
	2		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L			SHADOW	805.0 Secs [==>]	[1]
	3		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L			POS TARG 0.017,0; SHADOW	805.0 Secs [==>]	[1]
	4		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	F150LP			POS TARG 0.017,0	100.0 Secs [==>]	[1]
	5		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L				410.0 Secs [==>]	[1]
	<i>Comments: Exposure 5 may be shortened</i>									



Proposal 9806 - Visit 06 - Properties of the Intergalactic Medium near the Epoch of Hell Reionization

Fri Aug 19 01:02:48 GMT 2005

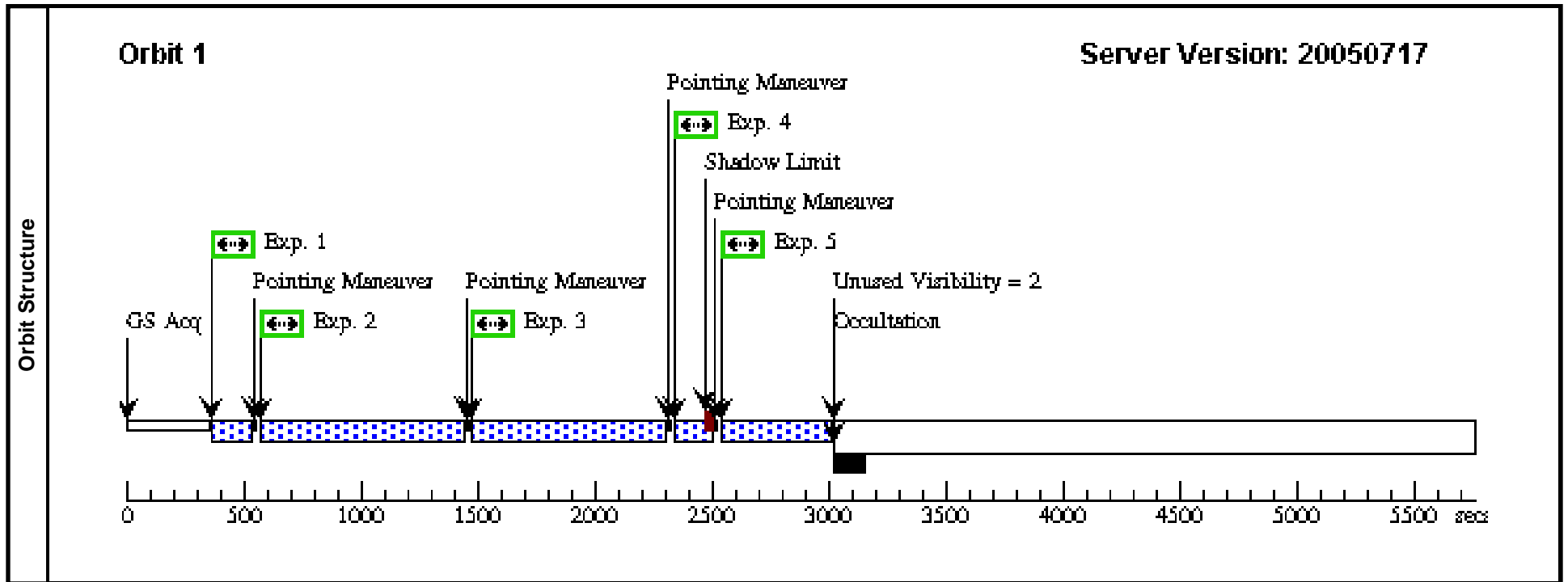
Visit	Proposal 9806, Visit 06 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/SBC Special Requirements: PCS MODE FINE; SCHED 100%; SAME ORIENT AS 01									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	SDSS2346-0016	RA: 23 46 25.6700 (356.6069583d) Dec: -00 16 0.05 (-.26668d) Equinox: J2000 Plate Id: 02JI	Proper Motion RA: 0.0s/yr Proper Motion Dec: 0.0"/yr Parallax: 0.0" Epoch of Position:	V=17.5+/-0.3	Coordinate Source: HST_IMAGE				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	F150LP				100.0 Secs [==>]	[1]
	2		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L			SHADOW	805.0 Secs [==>]	[1]
	3		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L			POS TARG 0.017,0; SHADOW	805.0 Secs [==>]	[1]
	4		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	F150LP			POS TARG 0.017,0	100.0 Secs [==>]	[1]
	5		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L				410.0 Secs [==>]	[1]
	<i>Comments: Exposure 5 may be shortened.</i>									



Proposal 9806 - Visit 07 - Properties of the Intergalactic Medium near the Epoch of Hell Reionization

Fri Aug 19 01:02:48 GMT 2005

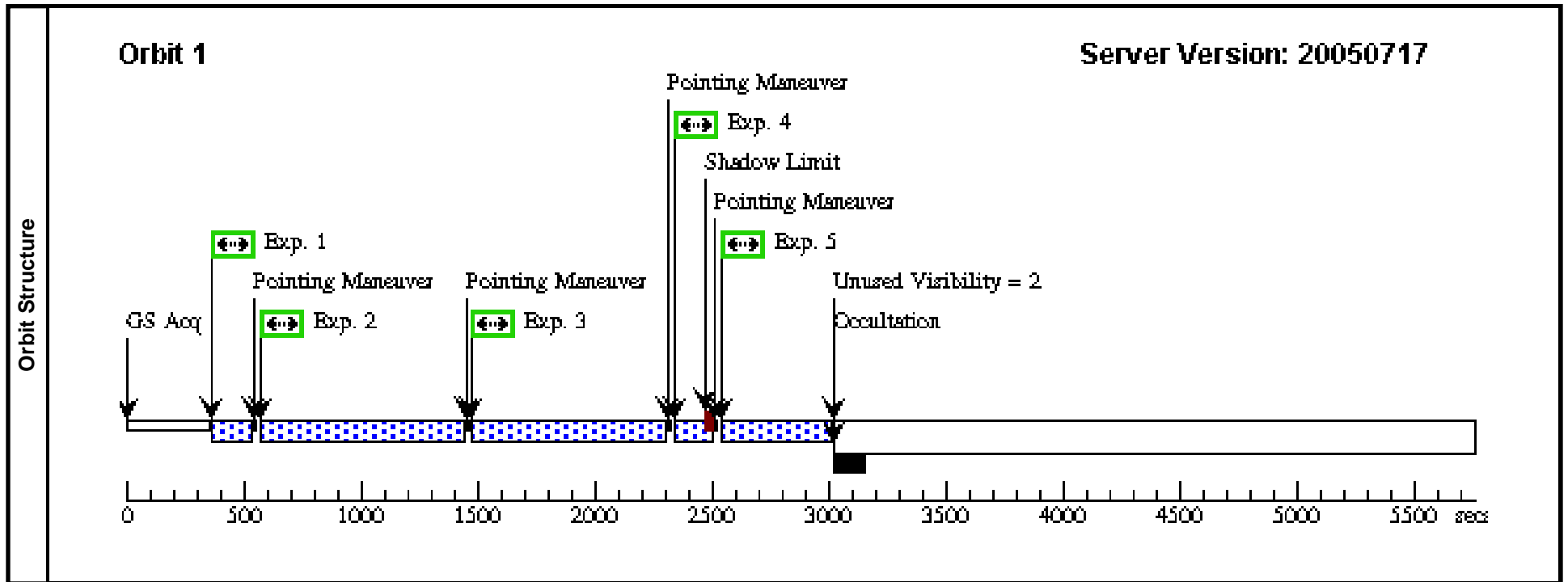
Visit	Proposal 9806, Visit 07 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/SBC Special Requirements: PCS MODE FINE; SCHED 100%; SAME ORIENT AS 01									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	SDSS2346-0016	RA: 23 46 25.6700 (356.6069583d) Dec: -00 16 0.05 (-.26668d) Equinox: J2000 Plate Id: 02JI	Proper Motion RA: 0.0s/yr Proper Motion Dec: 0.0"/yr Parallax: 0.0" Epoch of Position:	V=17.5+/-0.3	Coordinate Source: HST_IMAGE				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	F150LP				100.0 Secs [==>]	[1]
	2		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L			SHADOW	805.0 Secs [==>]	[1]
	3		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L			POS TARG 0.017,0; SHADOW	805.0 Secs [==>]	[1]
	4		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	F150LP			POS TARG 0.017,0	100.0 Secs [==>]	[1]
	5		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L				410.0 Secs [==>]	[1]
<i>Comments: Exposure 5 may be shortened.</i>										



Proposal 9806 - Visit 08 - Properties of the Intergalactic Medium near the Epoch of Hell Reionization

Fri Aug 19 01:02:49 GMT 2005

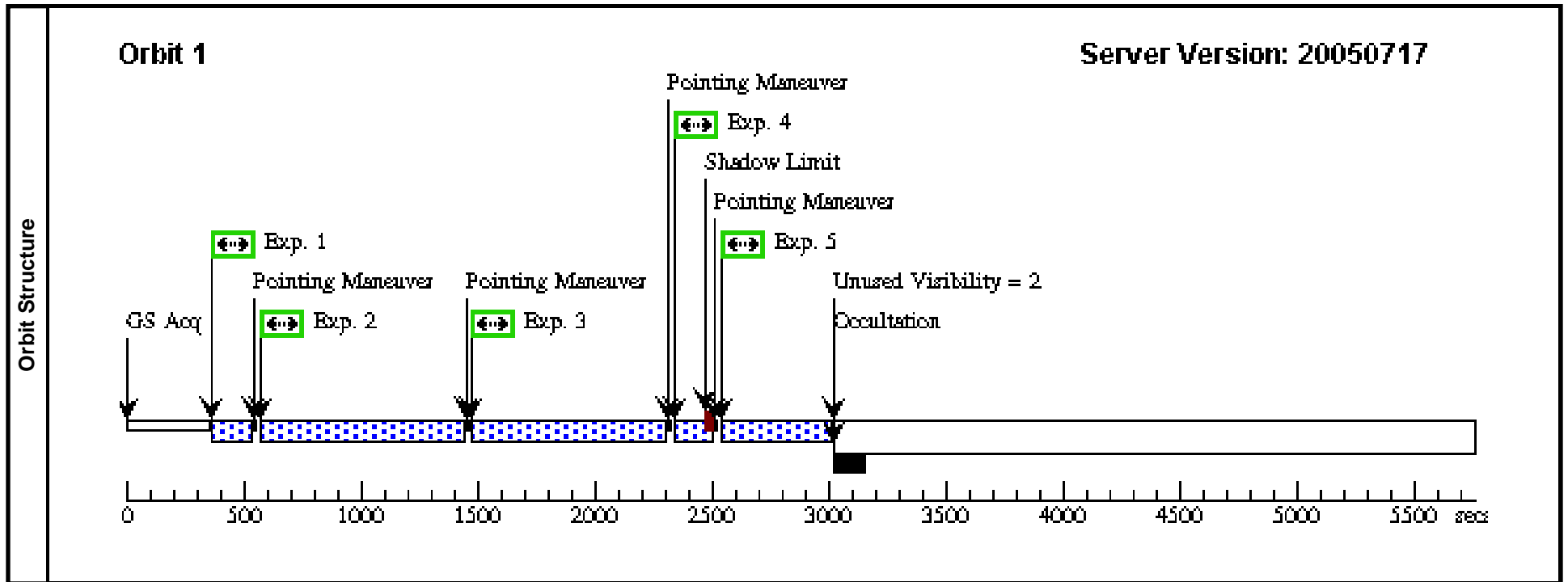
Visit	Proposal 9806, Visit 08 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/SBC Special Requirements: PCS MODE FINE; SCHED 100%; SAME ORIENT AS 01									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	SDSS2346-0016	RA: 23 46 25.6700 (356.6069583d) Dec: -00 16 0.05 (-.26668d) Equinox: J2000 Plate Id: 02JI	Proper Motion RA: 0.0s/yr Proper Motion Dec: 0.0"/yr Parallax: 0.0" Epoch of Position:	V=17.5+/-0.3	Coordinate Source: HST_IMAGE				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	F150LP				100.0 Secs [==>]	[1]
	2		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L			SHADOW	805.0 Secs [==>]	[1]
	3		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L			POS TARG 0.017,0; SHADOW	805.0 Secs [==>]	[1]
	4		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	F150LP			POS TARG 0.017,0	100.0 Secs [==>]	[1]
	5		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L				410.0 Secs [==>]	[1]
	<i>Comments: Exposure 5 may be shortened.</i>									



Proposal 9806 - Visit 09 - Properties of the Intergalactic Medium near the Epoch of Hell Reionization

Fri Aug 19 01:02:49 GMT 2005

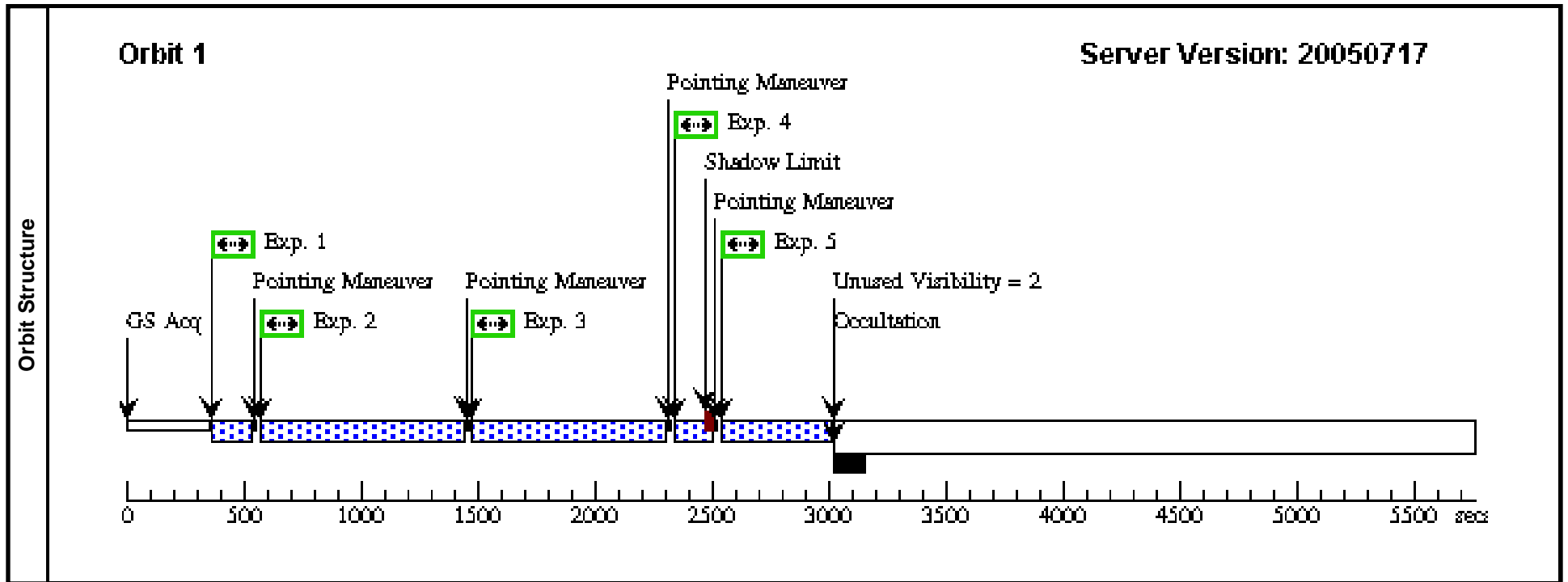
Visit	Proposal 9806, Visit 09 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/SBC Special Requirements: PCS MODE FINE; SCHED 100%; SAME ORIENT AS 01									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	SDSS2346-0016	RA: 23 46 25.6700 (356.6069583d) Dec: -00 16 0.05 (-.26668d) Equinox: J2000 Plate Id: 02JI	Proper Motion RA: 0.0s/yr Proper Motion Dec: 0.0"/yr Parallax: 0.0" Epoch of Position:	V=17.5+/-0.3	Coordinate Source: HST_IMAGE				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	F150LP				100.0 Secs [==>]	[1]
	2		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L			SHADOW	805.0 Secs [==>]	[1]
	3		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L			POS TARG 0.017,0; SHADOW	805.0 Secs [==>]	[1]
	4		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	F150LP			POS TARG 0.017,0	100.0 Secs [==>]	[1]
	5		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L				410.0 Secs [==>]	[1]
	<i>Comments: Exposure 5 may be shortened.</i>									



Proposal 9806 - Visit 10 - Properties of the Intergalactic Medium near the Epoch of Hell Reionization

Fri Aug 19 01:02:50 GMT 2005

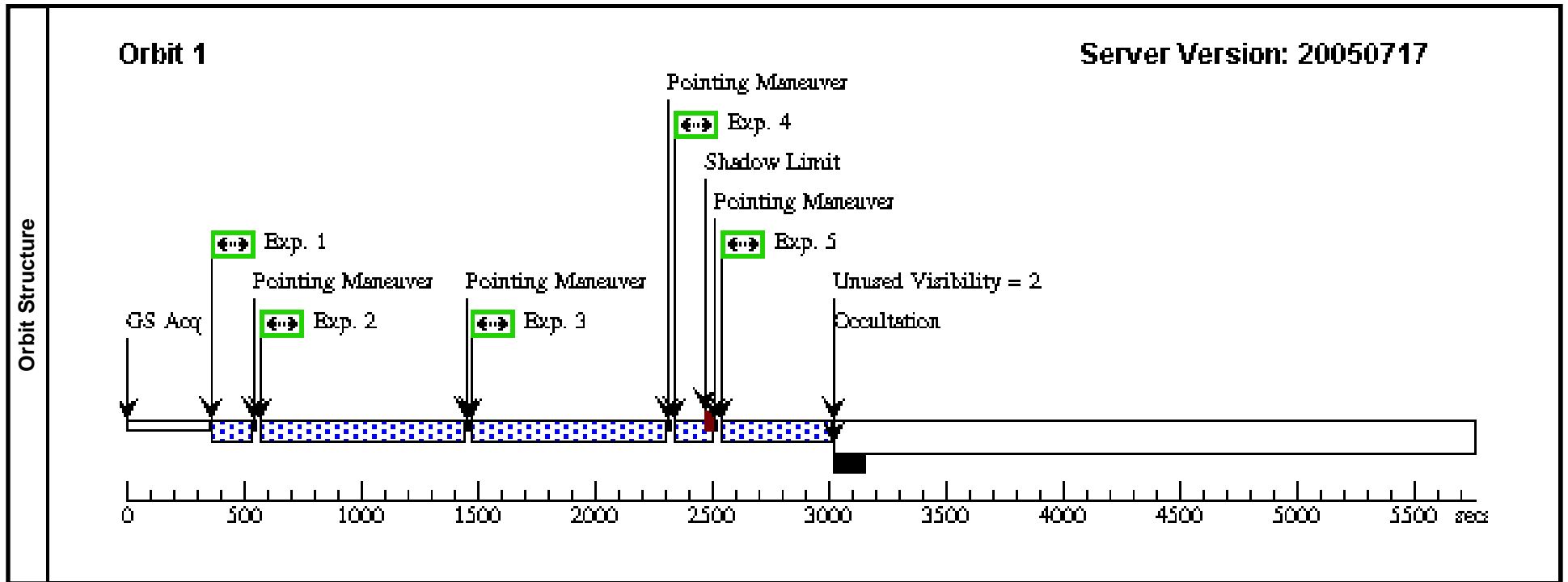
Visit	Proposal 9806, Visit 10 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/SBC Special Requirements: PCS MODE FINE; SCHED 100%; SAME ORIENT AS 01									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	SDSS2346-0016	RA: 23 46 25.6700 (356.6069583d) Dec: -00 16 0.05 (-.26668d) Equinox: J2000 Plate Id: 02JI	Proper Motion RA: 0.0s/yr Proper Motion Dec: 0.0"/yr Parallax: 0.0" Epoch of Position:	V=17.5+/-0.3	Coordinate Source: HST_IMAGE				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	F150LP				100.0 Secs [==>]	[1]
	2		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L			SHADOW	805.0 Secs [==>]	[1]
	3		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L			POS TARG 0.017,0; SHADOW	805.0 Secs [==>]	[1]
	4		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	F150LP			POS TARG 0.017,0	100.0 Secs [==>]	[1]
	5		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L				410.0 Secs [==>]	[1]
	<i>Comments: Exposure 5 may be shortened.</i>									



Proposal 9806 - Visit 11 - Properties of the Intergalactic Medium near the Epoch of Hell Reionization

Fri Aug 19 01:02:50 GMT 2005

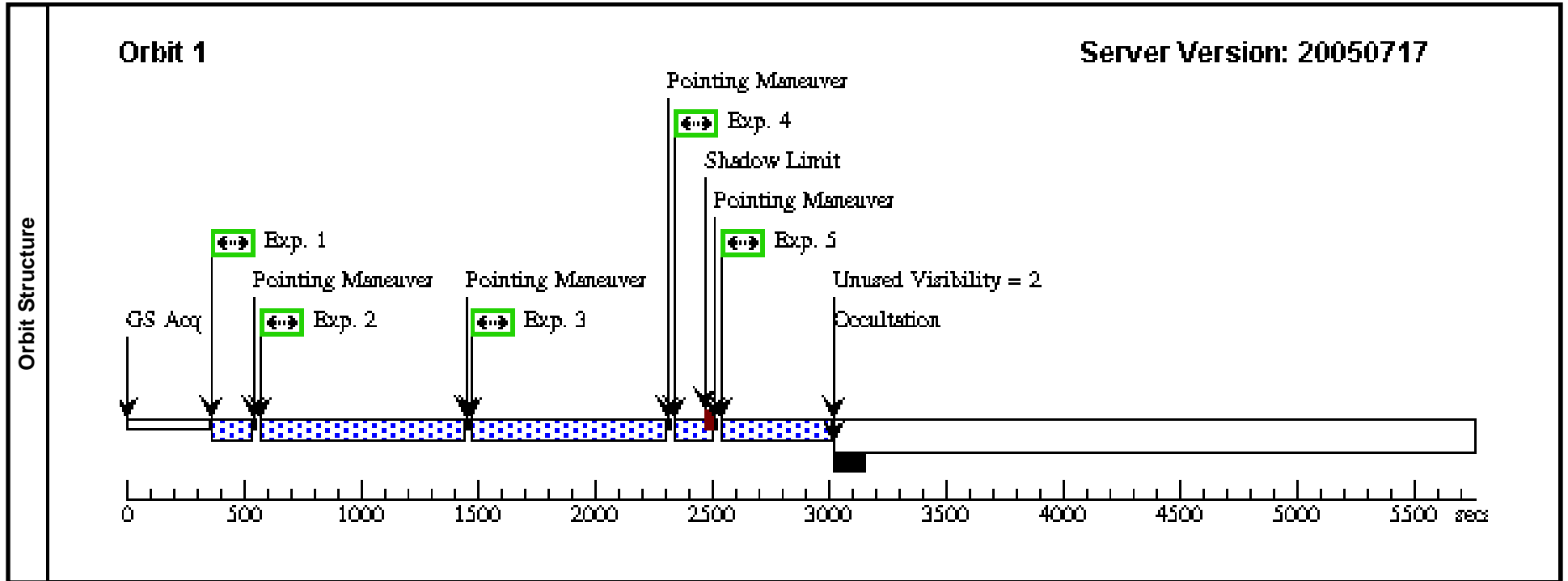
Visit	Proposal 9806, Visit 11 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/SBC Special Requirements: PCS MODE FINE; SCHED 100%; SAME ORIENT AS 01									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	SDSS2346-0016	RA: 23 46 25.6700 (356.6069583d) Dec: -00 16 0.05 (-.26668d) Equinox: J2000 Plate Id: 02JI	Proper Motion RA: 0.0s/yr Proper Motion Dec: 0.0"/yr Parallax: 0.0" Epoch of Position:	V=17.5+/-0.3	Coordinate Source: HST_IMAGE				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	F150LP				100.0 Secs [==>]	[1]
	2		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L			SHADOW	805.0 Secs [==>]	[1]
	3		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L			POS TARG 0.017,0; SHADOW	805.0 Secs [==>]	[1]
	4		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	F150LP			POS TARG 0.017,0	100.0 Secs [==>]	[1]
	5		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L				410.0 Secs [==>]	[1]
	<i>Comments: Exposure 5 may be shortened.</i>									



Proposal 9806 - Visit 12 - Properties of the Intergalactic Medium near the Epoch of Hell Reionization

Fri Aug 19 01:02:50 GMT 2005

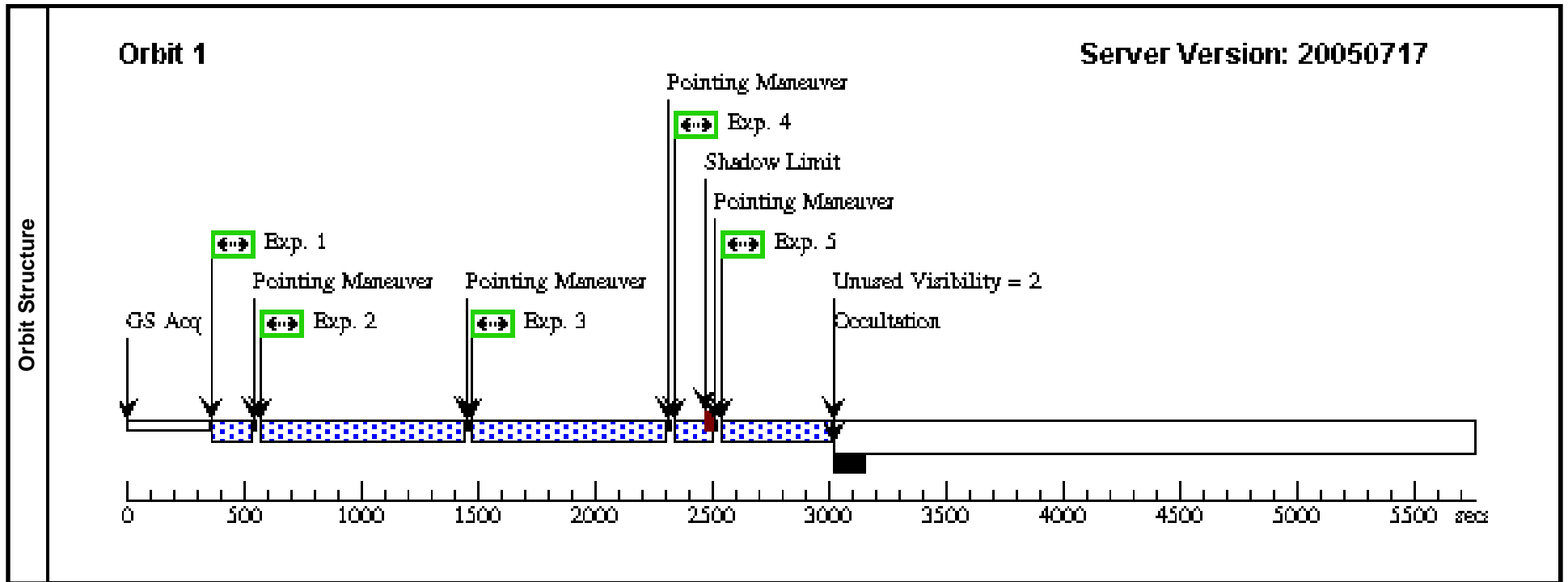
Visit	Proposal 9806, Visit 12 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/SBC Special Requirements: PCS MODE FINE; SCHED 100%; SAME ORIENT AS 01									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	SDSS2346-0016	RA: 23 46 25.6700 (356.6069583d) Dec: -00 16 0.05 (-.26668d) Equinox: J2000 Plate Id: 02JI	Proper Motion RA: 0.0s/yr Proper Motion Dec: 0.0"/yr Parallax: 0.0" Epoch of Position:	V=17.5+/-0.3	Coordinate Source: HST_IMAGE				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	F150LP				100.0 Secs [==>]	[1]
	2		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L			SHADOW	805.0 Secs [==>]	[1]
	3		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L			POS TARG 0.017,0; SHADOW	805.0 Secs [==>]	[1]
	4		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	F150LP			POS TARG 0.017,0	100.0 Secs [==>]	[1]
	5		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L				410.0 Secs [==>]	[1]
	<i>Comments: Exposure 5 may be shortened.</i>									



Proposal 9806 - Visit 13 - Properties of the Intergalactic Medium near the Epoch of Hell Reionization

Fri Aug 19 01:02:51 GMT 2005

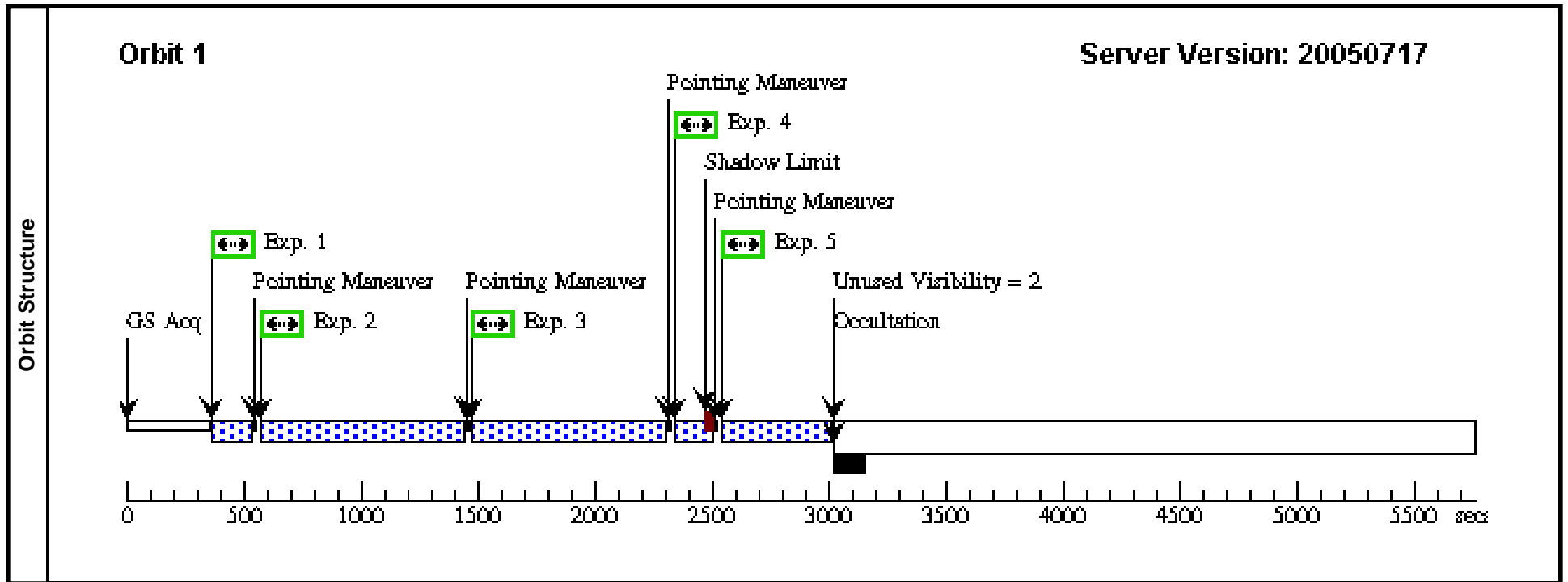
Visit	Proposal 9806, Visit 13 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/SBC Special Requirements: PCS MODE FINE; SCHED 100%; SAME ORIENT AS 01									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	SDSS2346-0016	RA: 23 46 25.6700 (356.6069583d) Dec: -00 16 0.05 (-.26668d) Equinox: J2000 Plate Id: 02JI	Proper Motion RA: 0.0s/yr Proper Motion Dec: 0.0"/yr Parallax: 0.0" Epoch of Position:	V=17.5+/-0.3	Coordinate Source: HST_IMAGE				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	F150LP				100.0 Secs [==>]	[1]
	2		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L			SHADOW	805.0 Secs [==>]	[1]
	3		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L			POS TARG 0.017,0; SHADOW	805.0 Secs [==>]	[1]
	4		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	F150LP			POS TARG 0.017,0	100.0 Secs [==>]	[1]
	5		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L				410.0 Secs [==>]	[1]
	<i>Comments: Exposure 5 may be shortened.</i>									



Proposal 9806 - Visit 14 - Properties of the Intergalactic Medium near the Epoch of Hell Reionization

Fri Aug 19 01:02:51 GMT 2005

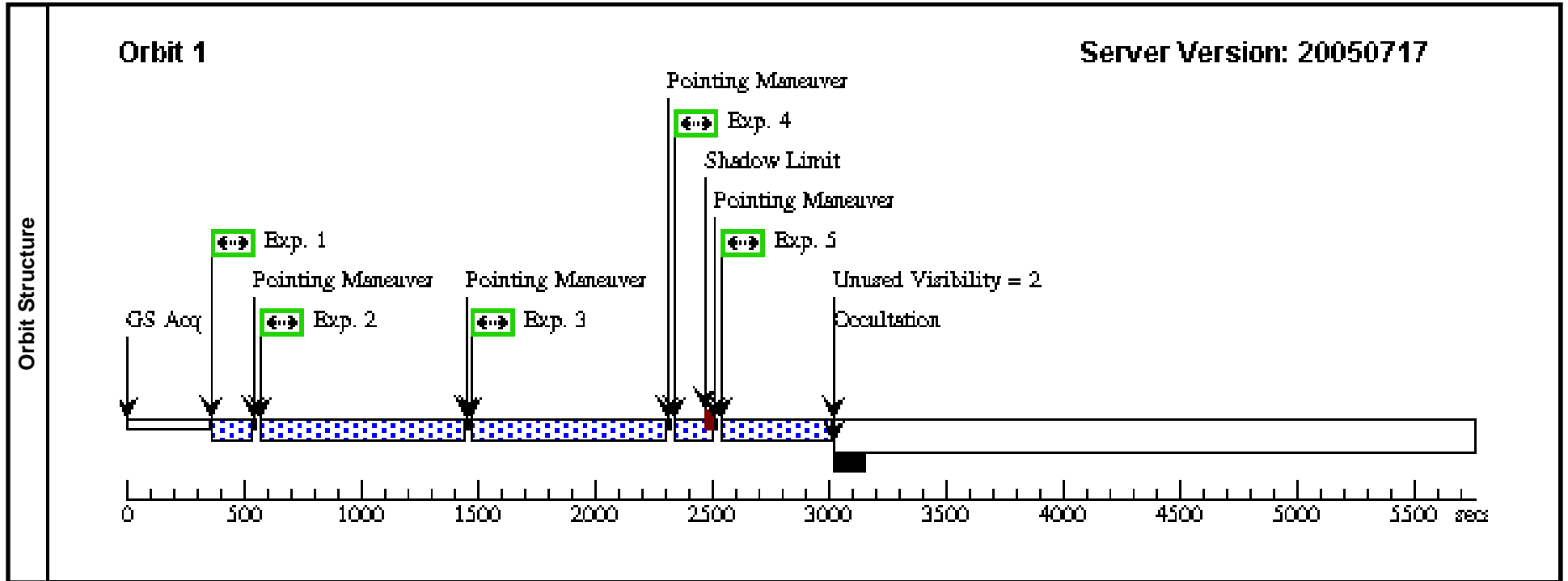
Visit	Proposal 9806, Visit 14 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/SBC Special Requirements: PCS MODE FINE; SCHED 100%; SAME ORIENT AS 01									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	SDSS2346-0016	RA: 23 46 25.6700 (356.6069583d) Dec: -00 16 0.05 (-.26668d) Equinox: J2000 Plate Id: 02JI	Proper Motion RA: 0.0s/yr Proper Motion Dec: 0.0"/yr Parallax: 0.0" Epoch of Position:	V=17.5+/-0.3	Coordinate Source: HST_IMAGE				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	F150LP				100.0 Secs [==>]	[1]
	2		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L			SHADOW	805.0 Secs [==>]	[1]
	3		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L			POS TARG 0.017,0; SHADOW	805.0 Secs [==>]	[1]
	4		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	F150LP			POS TARG 0.017,0	100.0 Secs [==>]	[1]
	5		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L				410.0 Secs [==>]	[1]
	<i>Comments: Exposure 5 may be shortened.</i>									



Proposal 9806 - Visit 15 - Properties of the Intergalactic Medium near the Epoch of Hell Reionization

Fri Aug 19 01:02:51 GMT 2005

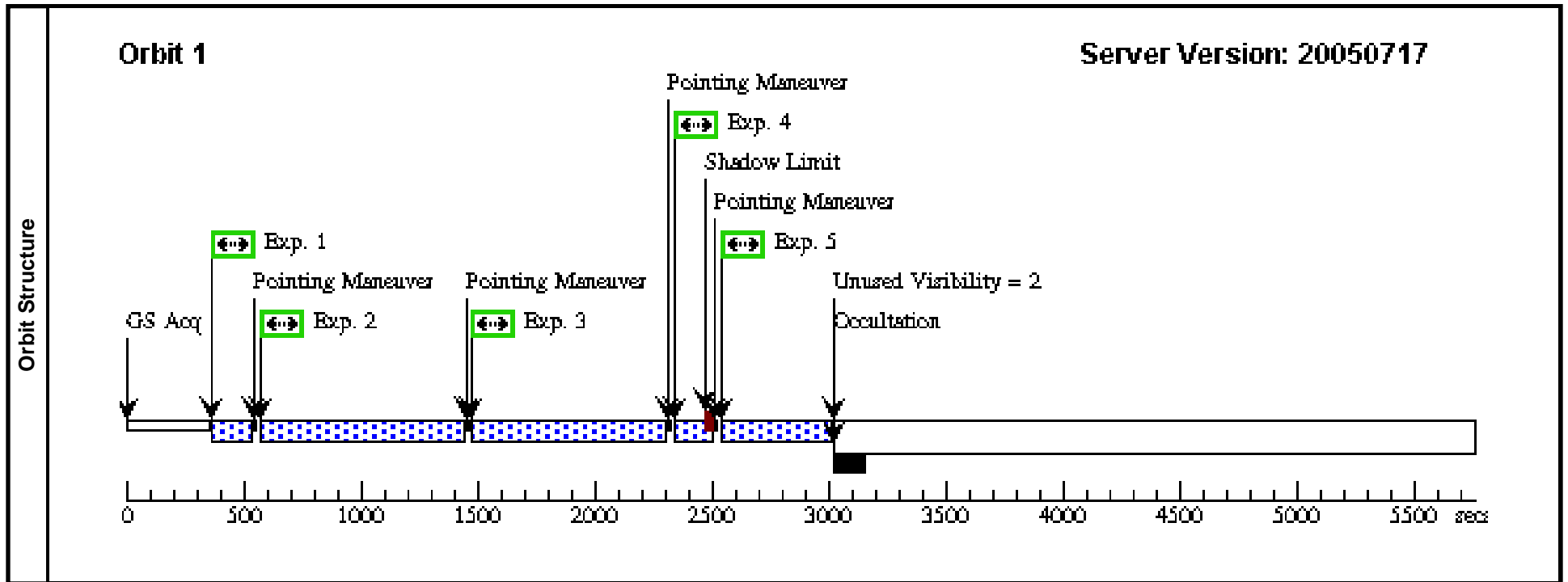
Visit	Proposal 9806, Visit 15 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/SBC Special Requirements: PCS MODE FINE; SCHED 100%; SAME ORIENT AS 01									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	SDSS2346-0016	RA: 23 46 25.6700 (356.6069583d) Dec: -00 16 0.05 (-.26668d) Equinox: J2000 Plate Id: 02JI	Proper Motion RA: 0.0s/yr Proper Motion Dec: 0.0"/yr Parallax: 0.0" Epoch of Position:	V=17.5+/-0.3	Coordinate Source: HST_IMAGE				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	F150LP				100.0 Secs [==>]	[1]
	2		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L			SHADOW	805.0 Secs [==>]	[1]
	3		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L			POS TARG 0.017,0; SHADOW	805.0 Secs [==>]	[1]
	4		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	F150LP			POS TARG 0.017,0	100.0 Secs [==>]	[1]
	5		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L				410.0 Secs [==>]	[1]
	<i>Comments: Exposure 5 may be shortened.</i>									



Proposal 9806 - Visit 16 - Properties of the Intergalactic Medium near the Epoch of Hell Reionization

Fri Aug 19 01:02:52 GMT 2005

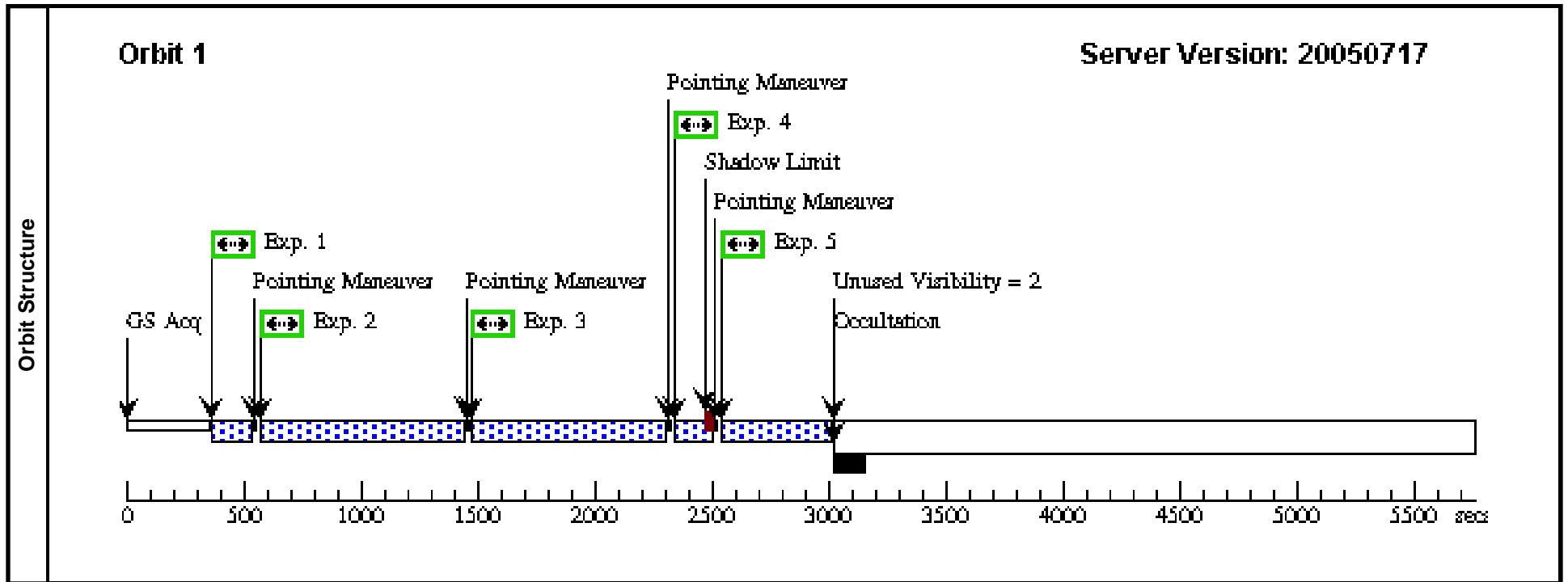
Visit	Proposal 9806, Visit 16 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/SBC Special Requirements: PCS MODE FINE; SCHED 100%; SAME ORIENT AS 01									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	SDSS2346-0016	RA: 23 46 25.6700 (356.6069583d) Dec: -00 16 0.05 (-.26668d) Equinox: J2000 Plate Id: 02JI	Proper Motion RA: 0.0s/yr Proper Motion Dec: 0.0"/yr Parallax: 0.0" Epoch of Position:	V=17.5+/-0.3	Coordinate Source: HST_IMAGE				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	F150LP				100.0 Secs [==>]	[1]
	2		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L			SHADOW	805.0 Secs [==>]	[1]
	3		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L			POS TARG 0.017,0; SHADOW	805.0 Secs [==>]	[1]
	4		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	F150LP			POS TARG 0.017,0	100.0 Secs [==>]	[1]
	5		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L				410.0 Secs [==>]	[1]
	<i>Comments: Exposure 5 may be shortened.</i>									



Proposal 9806 - Visit 17 - Properties of the Intergalactic Medium near the Epoch of Hell Reionization

Fri Aug 19 01:02:52 GMT 2005

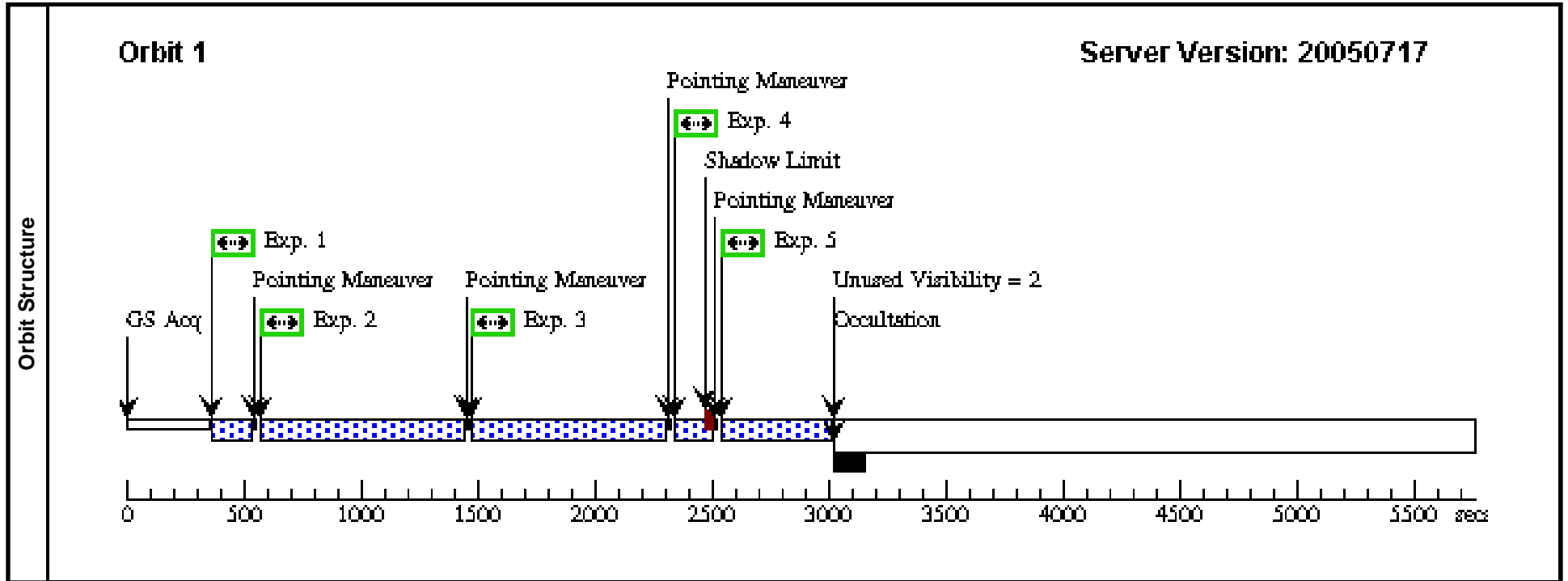
Visit	Proposal 9806, Visit 17 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/SBC Special Requirements: PCS MODE FINE; SCHED 100%; SAME ORIENT AS 01									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	SDSS2346-0016	RA: 23 46 25.6700 (356.6069583d) Dec: -00 16 0.05 (-.26668d) Equinox: J2000 Plate Id: 02JI	Proper Motion RA: 0.0s/yr Proper Motion Dec: 0.0"/yr Parallax: 0.0" Epoch of Position:	V=17.5+/-0.3	Coordinate Source: HST_IMAGE				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	F150LP				100.0 Secs [==>]	[1]
	2		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L			SHADOW	805.0 Secs [==>]	[1]
	3		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L			POS TARG 0.017,0; SHADOW	805.0 Secs [==>]	[1]
	4		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	F150LP			POS TARG 0.017,0	100.0 Secs [==>]	[1]
	5		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L				410.0 Secs [==>]	[1]
	<i>Comments: Exposure 5 may be shortened.</i>									



Proposal 9806 - Visit 18 - Properties of the Intergalactic Medium near the Epoch of Hell Reionization

Fri Aug 19 01:02:52 GMT 2005

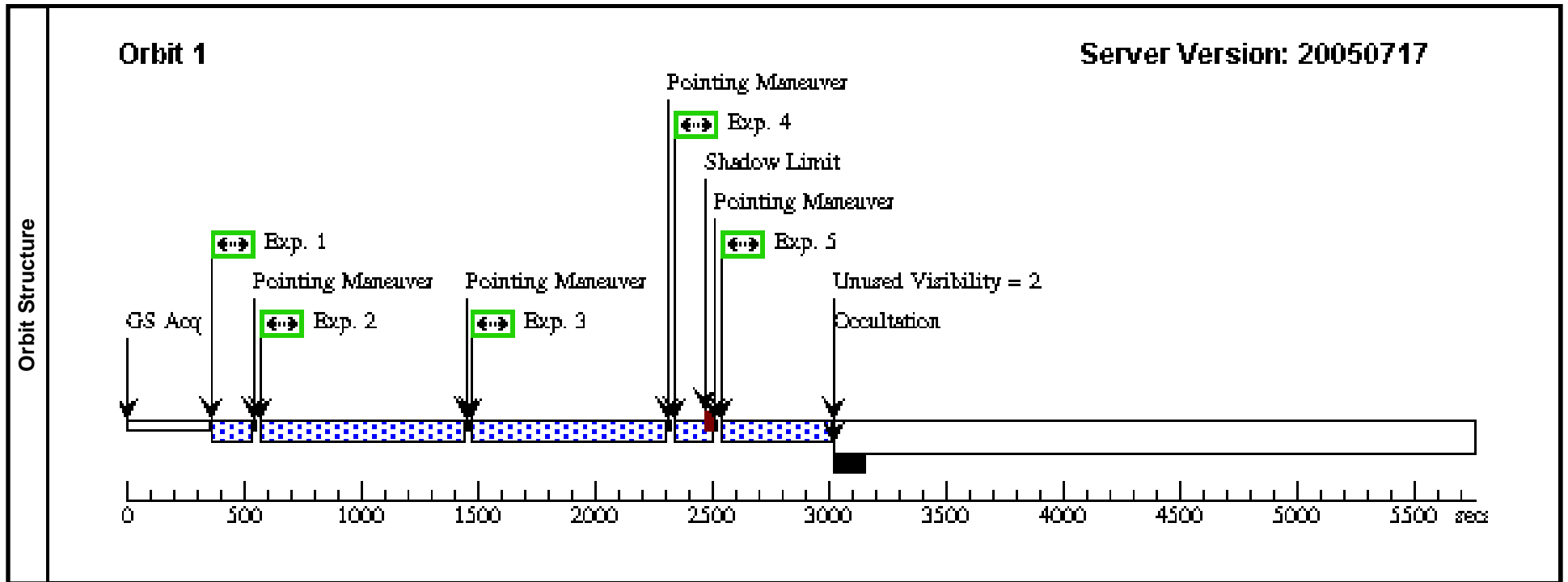
Visit	Proposal 9806, Visit 18 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/SBC Special Requirements: PCS MODE FINE; SCHED 100%; SAME ORIENT AS 01									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	SDSS2346-0016	RA: 23 46 25.6700 (356.6069583d) Dec: -00 16 0.05 (-.26668d) Equinox: J2000 Plate Id: 02JI	Proper Motion RA: 0.0s/yr Proper Motion Dec: 0.0"/yr Parallax: 0.0" Epoch of Position:	V=17.5+/-0.3	Coordinate Source: HST_IMAGE				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	F150LP				100.0 Secs [==>]	[1]
	2		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L			SHADOW	805.0 Secs [==>]	[1]
	3		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L			POS TARG 0.017,0; SHADOW	805.0 Secs [==>]	[1]
	4		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	F150LP			POS TARG 0.017,0	100.0 Secs [==>]	[1]
	5		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L				410.0 Secs [==>]	[1]
	<i>Comments: Exposure 5 may be shortened.</i>									



Proposal 9806 - Visit 19 - Properties of the Intergalactic Medium near the Epoch of Hell Reionization

Fri Aug 19 01:02:53 GMT 2005

Visit	Proposal 9806, Visit 19 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/SBC Special Requirements: PCS MODE FINE; SCHED 100%; SAME ORIENT AS 01									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	SDSS2346-0016	RA: 23 46 25.6700 (356.6069583d) Dec: -00 16 0.05 (-.26668d) Equinox: J2000 Plate Id: 02JI	Proper Motion RA: 0.0s/yr Proper Motion Dec: 0.0"/yr Parallax: 0.0" Epoch of Position:	V=17.5+/-0.3	Coordinate Source: HST_IMAGE				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	F150LP				100.0 Secs [==>]	[1]
	2		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L			SHADOW	805.0 Secs [==>]	[1]
	3		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L			POS TARG 0.017,0; SHADOW	805.0 Secs [==>]	[1]
	4		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	F150LP			POS TARG 0.017,0	100.0 Secs [==>]	[1]
	5		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L				410.0 Secs [==>]	[1]
	<i>Comments: Exposure 5 may be shortened.</i>									



Proposal 9806 - Visit 20 - Properties of the Intergalactic Medium near the Epoch of Hell Reionization

Fri Aug 19 01:02:53 GMT 2005

Visit	Proposal 9806, Visit 20 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/SBC Special Requirements: PCS MODE FINE; SCHED 100%; SAME ORIENT AS 01									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	SDSS2346-0016	RA: 23 46 25.6700 (356.6069583d) Dec: -00 16 0.05 (-.26668d) Equinox: J2000 Plate Id: 02JI	Proper Motion RA: 0.0s/yr Proper Motion Dec: 0.0"/yr Parallax: 0.0" Epoch of Position:	V=17.5+/-0.3	Coordinate Source: HST_IMAGE				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	F150LP				100.0 Secs [==>]	[1]
	2		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L			SHADOW	805.0 Secs [==>]	[1]
	3		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L			POS TARG 0.017,0; SHADOW	805.0 Secs [==>]	[1]
	4		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	F150LP			POS TARG 0.017,0	100.0 Secs [==>]	[1]
	5		(1) SDSS2346-0016	ACS/SBC, ACCUM, SBC	PR130L				410.0 Secs [==>]	[1]
	<i>Comments: Exposure 5 may be shortened.</i>									

