



11997 - FUV Internal/External Wavelength Scale Monitor

Cycle: 17, Proposal Category: CAL/COS

(Availability Mode: RESTRICTED)

INVESTIGATORS

<i>Name</i>	<i>Institution</i>	<i>E-Mail</i>
Dr. Cristina Oliveira (PI)	The Johns Hopkins University	oliveira@stsci.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) SK191	COS/FUV	1	26-Jan-2010 21:14:21.0	yes
03	(1) SK191	COS/FUV	1	26-Jan-2010 21:14:29.0	yes
04	(1) SK191	COS/FUV	1	26-Jan-2010 21:14:38.0	yes
05	(1) SK191	COS/FUV	1	26-Jan-2010 21:14:44.0	yes
06	(1) SK191	COS/FUV	1	26-Jan-2010 21:14:50.0	yes
07	(1) SK191	COS/FUV	1	26-Jan-2010 21:14:56.0	yes
02	(2) CL-NGC-330-ROB-B37	COS/FUV	1	26-Jan-2010 21:15:02.0	yes
08	(2) CL-NGC-330-ROB-B37	COS/FUV	1	26-Jan-2010 21:15:09.0	yes
09	(2) CL-NGC-330-ROB-B37	COS/FUV	1	26-Jan-2010 21:15:15.0	yes
10	(2) CL-NGC-330-ROB-B37	COS/FUV	1	26-Jan-2010 21:15:20.0	yes
11	(2) CL-NGC-330-ROB-B37	COS/FUV	1	26-Jan-2010 21:15:25.0	yes
12	(2) CL-NGC-330-ROB-B37	COS/FUV	1	26-Jan-2010 21:15:30.0	yes

12 Total Orbits Used

ABSTRACT

This program monitors the offsets between the wavelength scale set by the internal wavecal versus that defined by absorption lines in external targets. This is accomplished by observing two external targets in the SMC: SK191 with G130M and G160M and Cl* NGC 330 ROB B37 with G140L (SK191 is too bright to be observed with G140L).

The cenwaves observed in this program are a subset of the ones used during Cycle 17. Observing all cenwaves would require a considerably larger number of orbits. Constraints on scheduling of each target are placed so that each target is observed once every ~2-3 months. Observing the two targets every month would also require a considerably larger number of orbits.

OBSERVING DESCRIPTION

This program monitors the offset between the internal and external wavelength scales: this offset is referred to as "DELTA" in the wavelength dispersion reference file and corrects for the shift between the WCA and PSA in TV03 versus the shift between the WCA and PSA in orbit : $(WCA-PSA_TV03 - (WCA - PSA)_orbit$. Analysis of TV data indicates that this DELTA (offset) is cenwave and FPPOS independent for a particular grating, but it is grating and stripe dependent. To verify and monitor this, this program observes some cenwaves at different FPPOS.

With the current setup each target/grating is observed 6 times (6 visits) throughout the Cycle 17 period, for a total of 12 orbits (12 visits) Scheduling constraints are employed to assure that the visits are spread throughout the cycle, taking also into account the visibility of the targets.

The scheduling constraints are as follows:

SK191 (G130M/G160M)

Visit 01: 30 Aug 09 - 17 Sep 09

Visit 03: 19 Oct 09 - 12 Nov 09

Visit 04: 11 Feb 10 - 22 Feb 10

Visit 05: 20 Apr 10 - 1 May 10

Visit 06: 10 Jun 10 - 24 Jun 10

Visit 07: 19 Sep 10 - 10 Oct 10

NGC330-B37 (G140L)

Visit 02: 30 Aug 09 - 19 Sep 09

Visit 08: 21 Oct 09 - 12 Nov 09

Visit 09: 13 Feb 10 - 25 Feb 10

Visit 10: 17 Apr 10 - 3 May 10

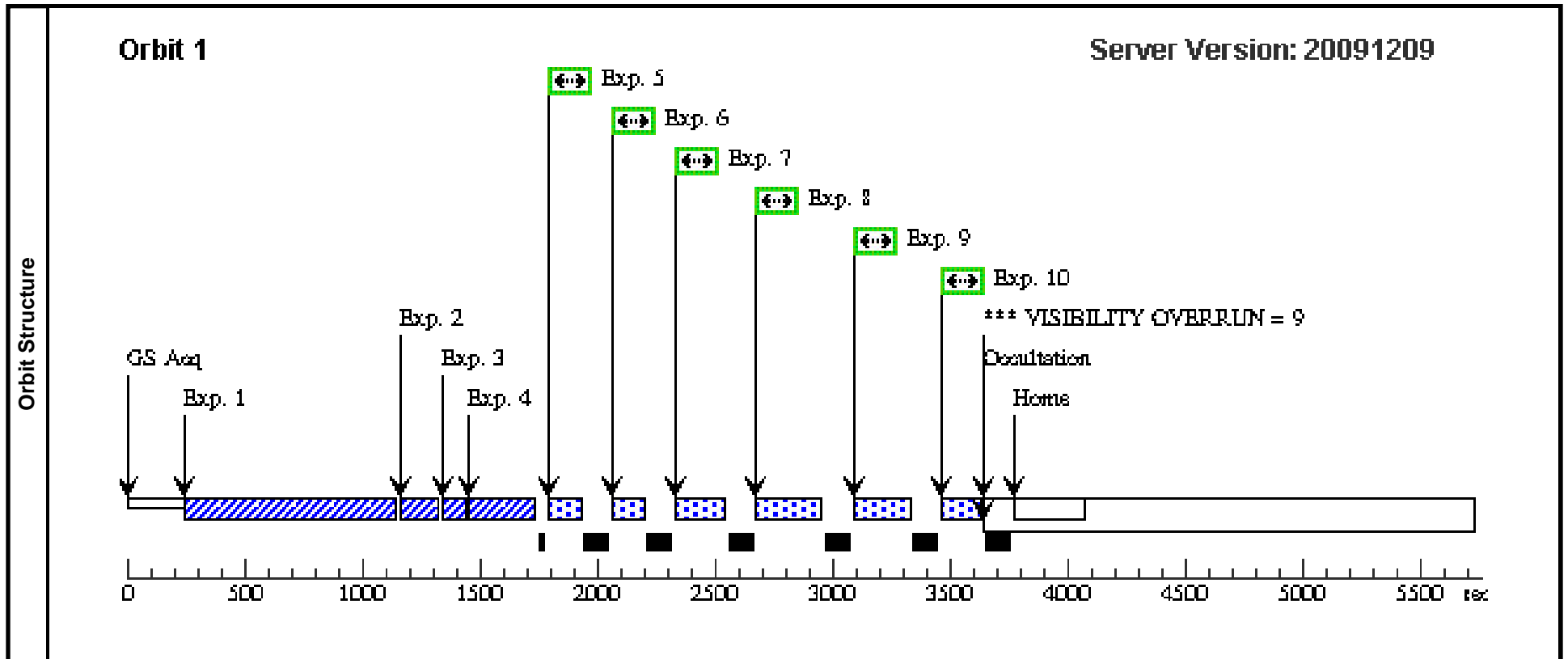
Visit 11: 11 Jun 10 - 24 Jun 10

Visit 12: 20 Sep 10 - 12 Oct 10

Proposal 11997 - Visit 01 - FUV Internal/External Wavelength Scale Monitor

Wed Jan 27 02:15:34 GMT 2010

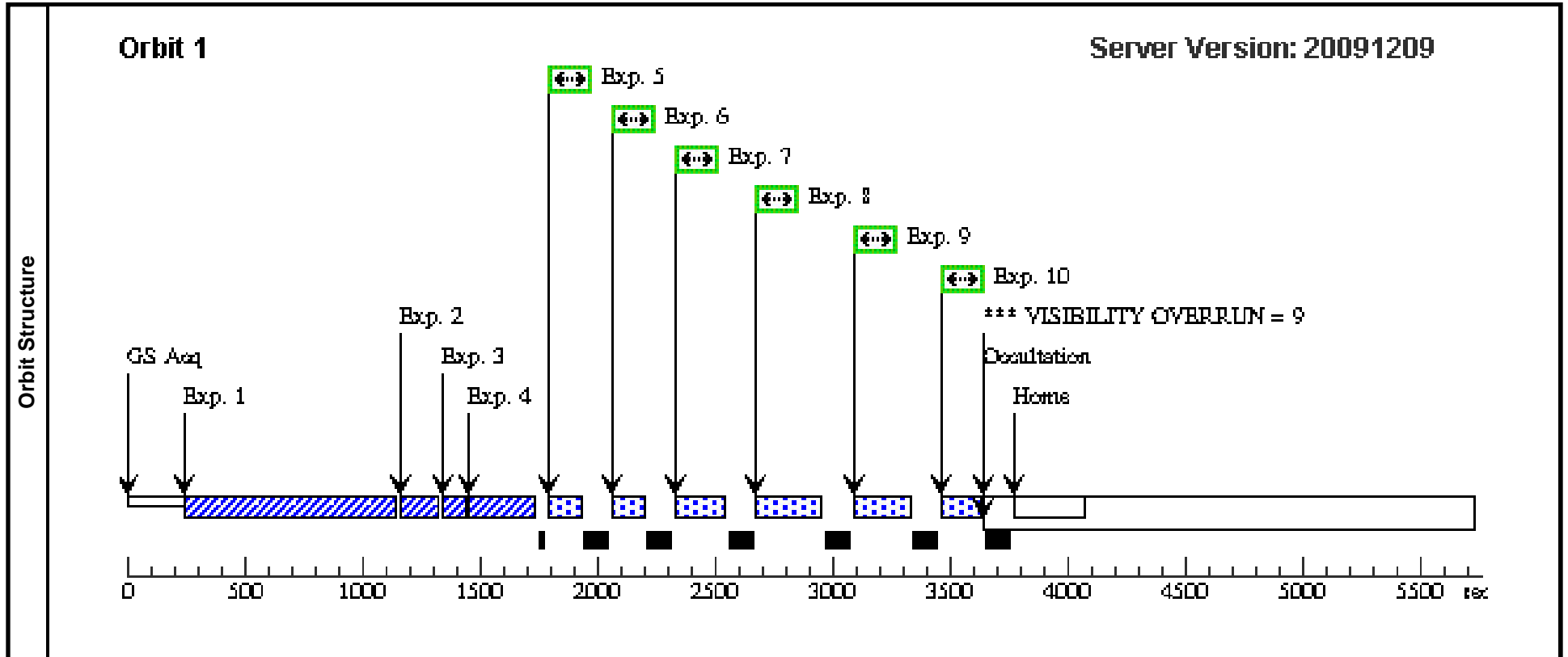
Visit	Proposal 11997, Visit 01, completed Diagnostic Status: Warning Scientific Instruments: COS/FUV Special Requirements: BETWEEN 30-AUG-2009:00:00:00 AND 17-SEP-2009:23:59:59																																																																																																														
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Proposal 11997 - Visit 03 - FUV Internal/External Wavelength Scale Monitor

Wed Jan 27 02:15:35 GMT 2010

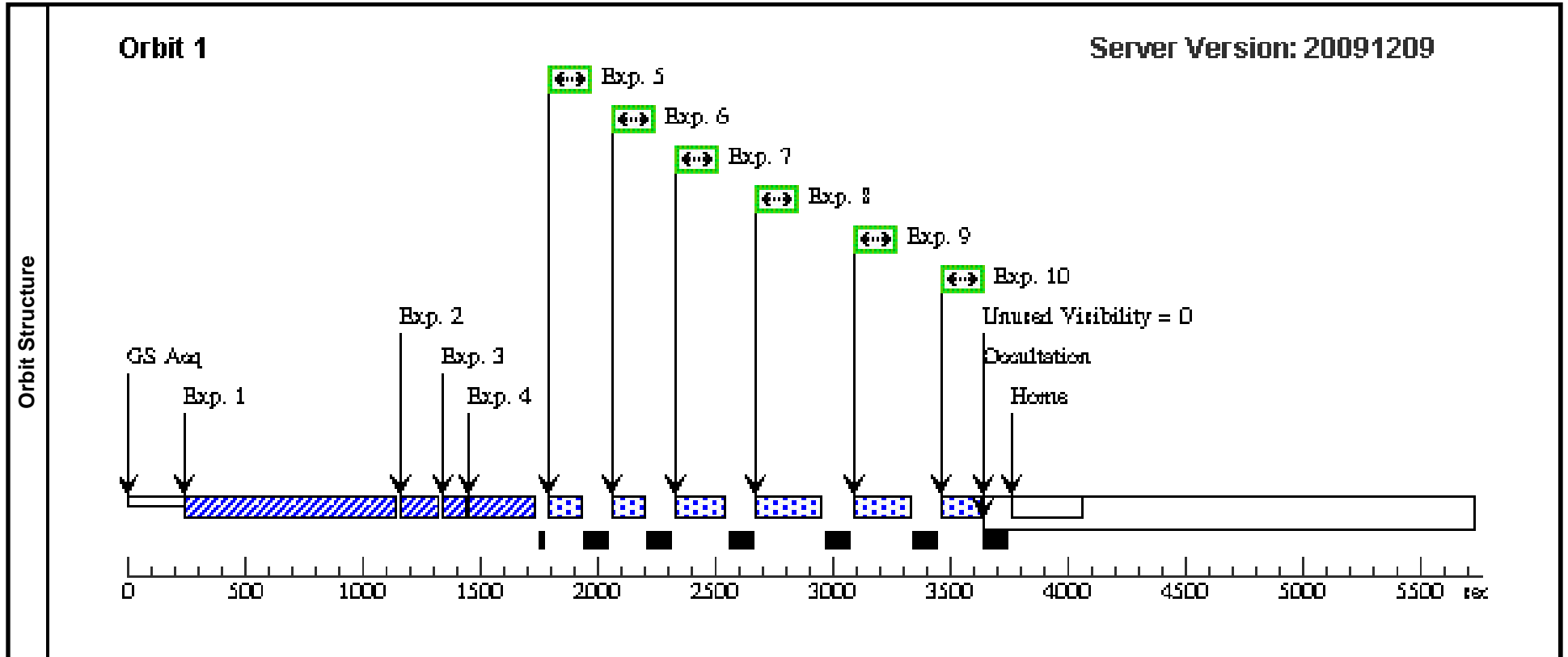
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Proposal 11997 - Visit 04 - FUV Internal/External Wavelength Scale Monitor

Wed Jan 27 02:15:36 GMT 2010

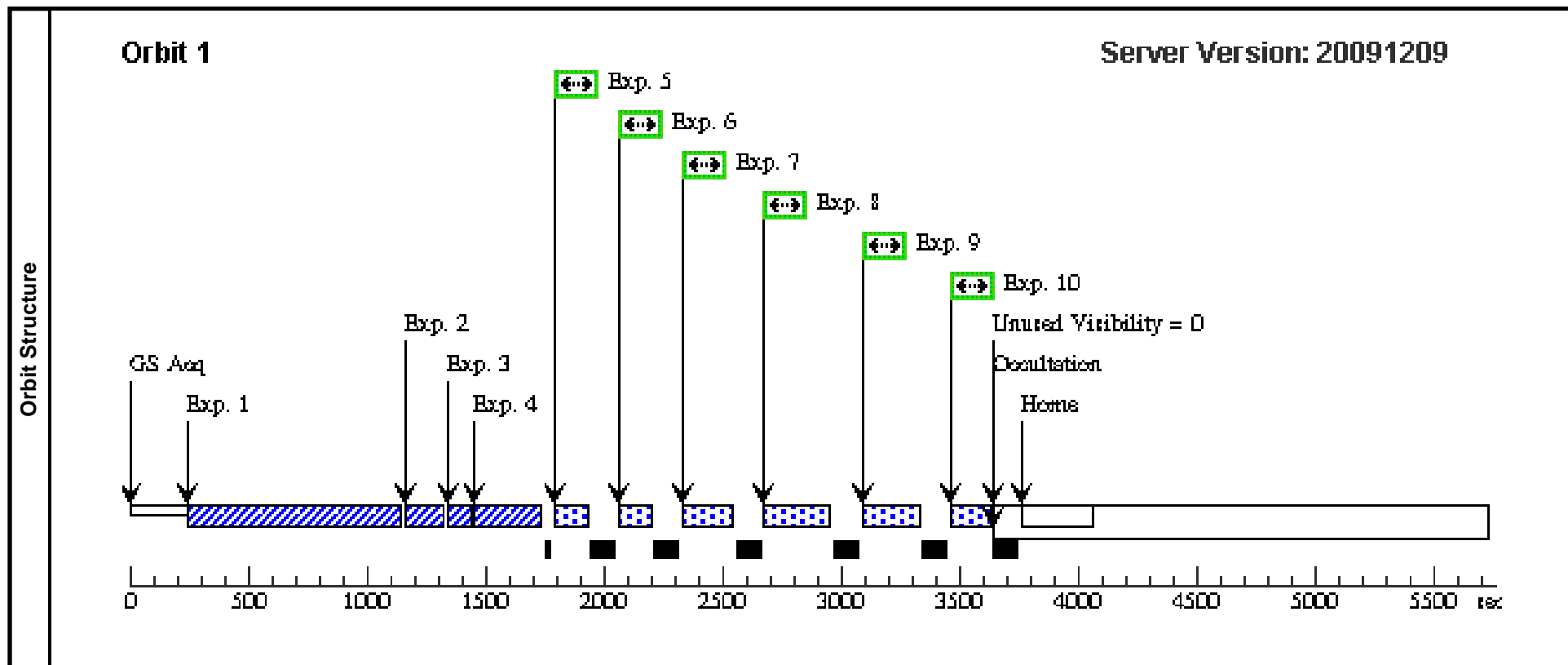
Visit	Proposal 11997, Visit 04, implementation Diagnostic Status: No Diagnostics Scientific Instruments: COS/FUV Special Requirements: BETWEEN 11-FEB-2010:00:00:00 AND 22-FEB-2010:23:59:59									
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	2		(1) SK191	COS/FUV, ACQ/SEARCH, PSA	G130M 1291 A	SCAN-SIZE=2; STEP-SIZE=1.767			2 Secs [==>]	[1]
	3		(1) SK191	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				2 Secs [==>]	[1]
	4		(1) SK191	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	NUM-POS=9; STEP-SIZE=1.			2 Secs [==>]	[1]
	5		(1) SK191	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=88; FP-POS=3			88 Secs [==>]	[1]
	6		(1) SK191	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=88; FP-POS=4			88 Secs [==>]	[1]
	7		(1) SK191	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=88; FP-POS=3			88 Secs [==>]	[1]
	8		(1) SK191	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=12 0; FP-POS=3			120 Secs [==>]	[1]
	9		(1) SK191	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=12 0; FP-POS=3			120 Secs [==>]	[1]
10		(1) SK191	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=12 0; FP-POS=4			111 Secs [==>]	[1]	



Proposal 11997 - Visit 05 - FUV Internal/External Wavelength Scale Monitor

Wed Jan 27 02:15:37 GMT 2010

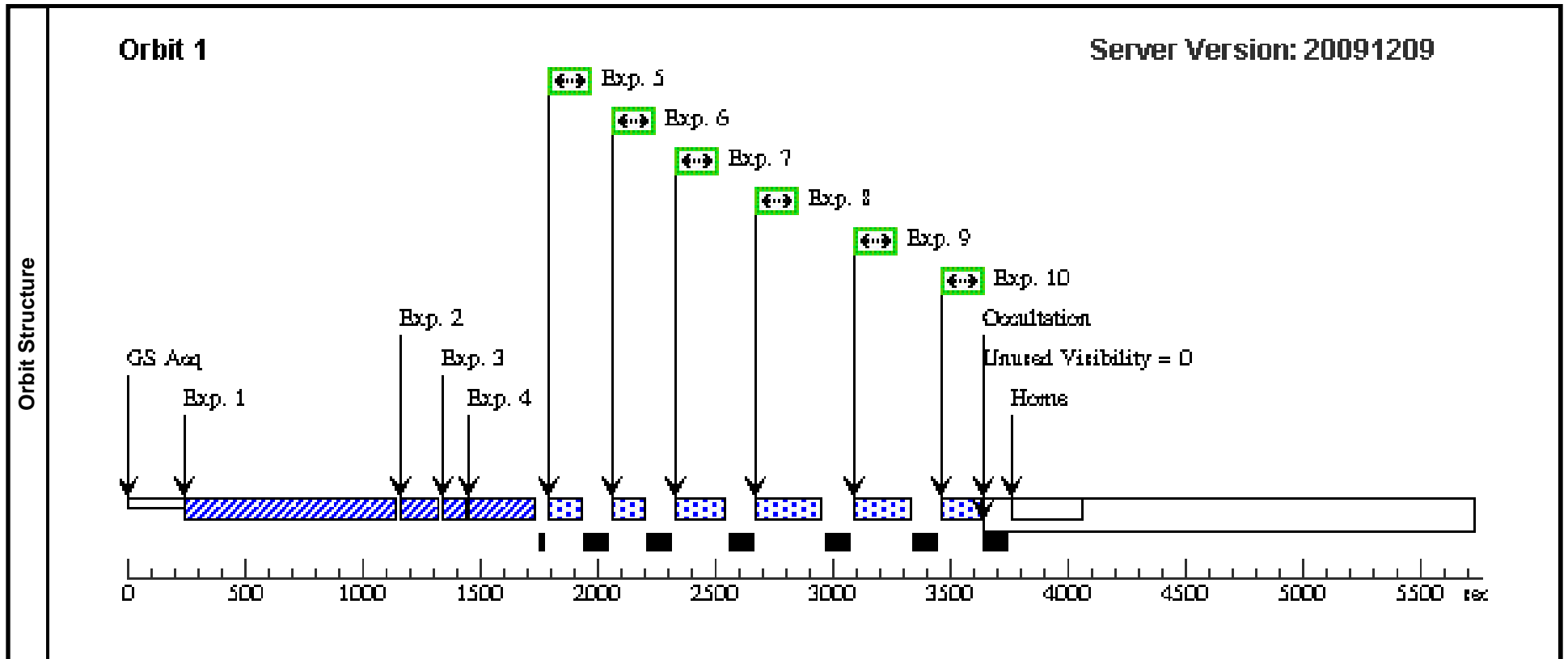
Visit	Proposal 11997, Visit 05, implementation Diagnostic Status: No Diagnostics Scientific Instruments: COS/FUV Special Requirements: BETWEEN 20-APR-2010:00:00:00 AND 01-MAY-2010:23:59:59									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	SK191	RA: 01 41 42.0723 (25.4253012d) Dec: -73 50 38.20 (-73.84394d) Equinox: J2000			V=11.84	Reference Frame: ICRS			
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(1) SK191	COS/FUV, ACQ/SEARCH, PSA	G130M 1291 A	SCAN-SIZE=5; STEP-SIZE=1.767			2 Secs [==>]	[1]
	2		(1) SK191	COS/FUV, ACQ/SEARCH, PSA	G130M 1291 A	SCAN-SIZE=2; STEP-SIZE=1.767			2 Secs [==>]	[1]
	3		(1) SK191	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				2 Secs [==>]	[1]
	4		(1) SK191	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	NUM-POS=9; STEP-SIZE=1.			2 Secs [==>]	[1]
	5		(1) SK191	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=88; FP-POS=3			88 Secs [==>]	[1]
	6		(1) SK191	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=88; FP-POS=4			88 Secs [==>]	[1]
	7		(1) SK191	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=88; FP-POS=3			88 Secs [==>]	[1]
	8		(1) SK191	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=12 0; FP-POS=3			120 Secs [==>]	[1]
	9		(1) SK191	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=12 0; FP-POS=3			120 Secs [==>]	[1]
10		(1) SK191	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=12 0; FP-POS=4			111 Secs [==>]	[1]	



Proposal 11997 - Visit 06 - FUV Internal/External Wavelength Scale Monitor

Wed Jan 27 02:15:37 GMT 2010

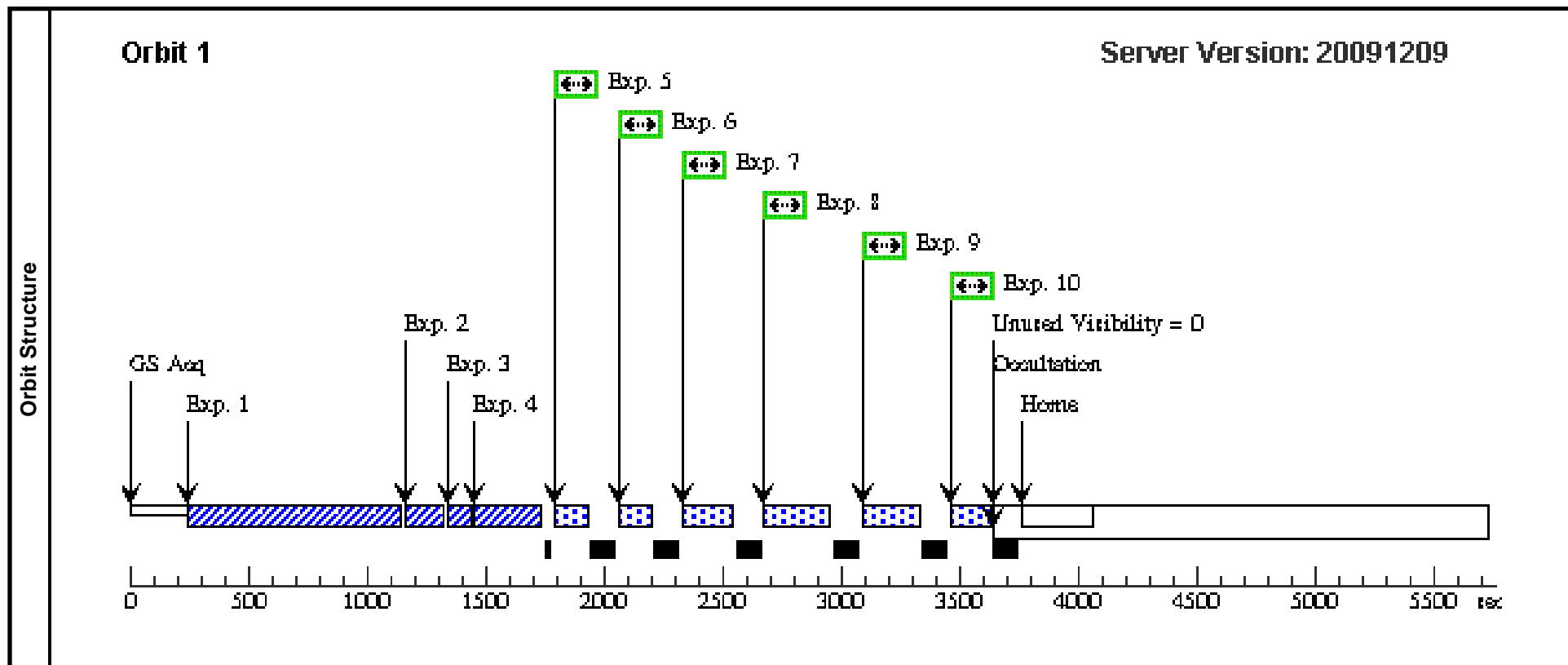
Visit	Proposal 11997, Visit 06, implementation Diagnostic Status: No Diagnostics Scientific Instruments: COS/FUV Special Requirements: BETWEEN 10-JUN-2010:00:00:00 AND 24-JUN-2010:23:59:59									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	SK191	RA: 01 41 42.0723 (25.4253012d) Dec: -73 50 38.20 (-73.84394d) Equinox: J2000		V=11.84	Reference Frame: ICRS				
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(1) SK191	(1) SK191	COS/FUV, ACQ/SEARCH, PSA	G130M 1291 A	SCAN-SIZE=5; STEP-SIZE=1.767			2 Secs [==>]	[1]
	2	(1) SK191	(1) SK191	COS/FUV, ACQ/SEARCH, PSA	G130M 1291 A	SCAN-SIZE=2; STEP-SIZE=1.767			2 Secs [==>]	[1]
	3	(1) SK191	(1) SK191	COS/FUV, ACQ/PEAKXD, PSA	G130M 1291 A				2 Secs [==>]	[1]
	4	(1) SK191	(1) SK191	COS/FUV, ACQ/PEAKD, PSA	G130M 1291 A	NUM-POS=9; STEP-SIZE=1.			2 Secs [==>]	[1]
	5	(1) SK191	(1) SK191	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=88; FP-POS=3			88 Secs [==>]	[1]
	6	(1) SK191	(1) SK191	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=88; FP-POS=4			88 Secs [==>]	[1]
	7	(1) SK191	(1) SK191	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=88; FP-POS=3			88 Secs [==>]	[1]
	8	(1) SK191	(1) SK191	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=12 0; FP-POS=3			120 Secs [==>]	[1]
	9	(1) SK191	(1) SK191	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=12 0; FP-POS=3			120 Secs [==>]	[1]
10	(1) SK191	(1) SK191	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=12 0; FP-POS=4			111 Secs [==>]	[1]	



Proposal 11997 - Visit 07 - FUV Internal/External Wavelength Scale Monitor

Wed Jan 27 02:15:38 GMT 2010

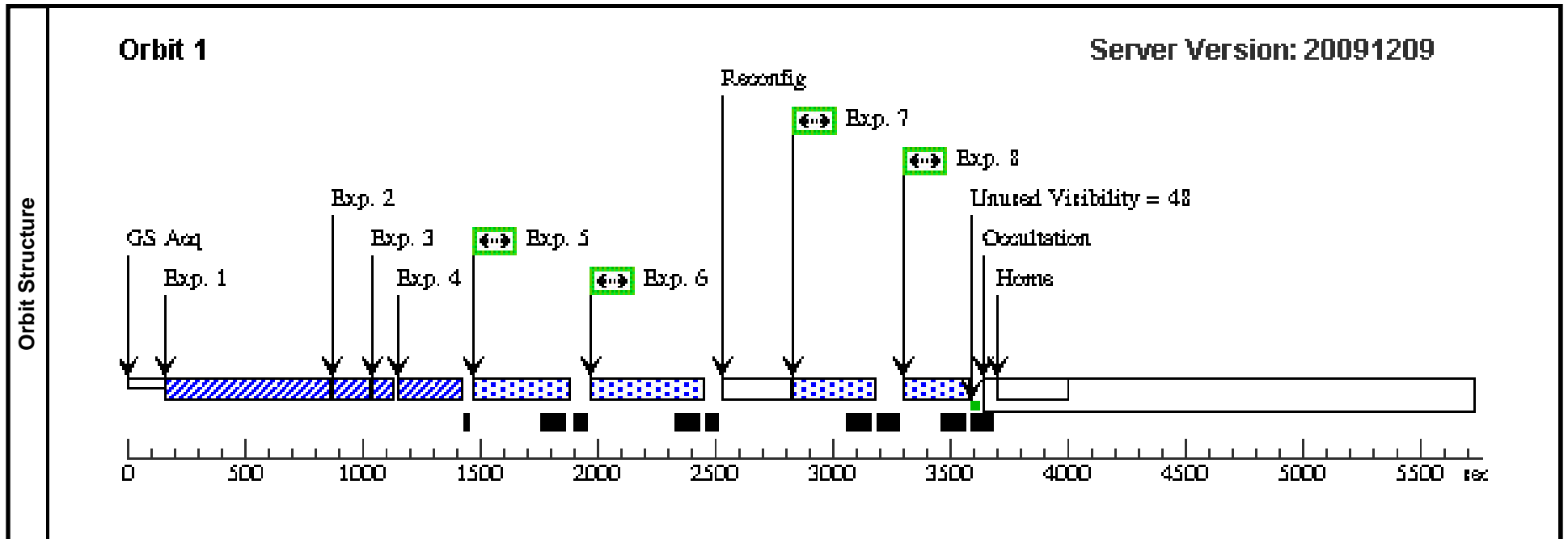
Visit		Proposal 11997, Visit 07, implementation Diagnostic Status: No Diagnostics Scientific Instruments: COS/FUV Special Requirements: BETWEEN 19-SEP-2010:00:00:00 AND 10-OCT-2010:23:59:59								
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
		(1)	SK191	RA: 01 41 42.0723 (25.4253012d) Dec: -73 50 38.20 (-73.84394d) Equinox: J2000		V=11.84	Reference Frame: ICRS			
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(1) SK191	COS/FUV, ACQ/SEARCH, PSA	G130M	SCAN-SIZE=5;			2 Secs	
					1291 A	STEP-SIZE=1.767			[==>]	[1]
	2		(1) SK191	COS/FUV, ACQ/SEARCH, PSA	G130M	SCAN-SIZE=2;			2 Secs	
					1291 A	STEP-SIZE=1.767			[==>]	[1]
	3		(1) SK191	COS/FUV, ACQ/PEAKXD, PSA	G130M				2 Secs	
					1291 A				[==>]	[1]
	4		(1) SK191	COS/FUV, ACQ/PEAKD, PSA	G130M	NUM-POS=9;			2 Secs	
					1291 A	STEP-SIZE=1.			[==>]	[1]
	5		(1) SK191	COS/FUV, TIME-TAG, PSA	G130M	BUFFER-TIME=88;			88 Secs	
				1291 A	FP-POS=3			[==>]	[1]	
6		(1) SK191	COS/FUV, TIME-TAG, PSA	G130M	BUFFER-TIME=88;			88 Secs		
				1291 A	FP-POS=4			[==>]	[1]	
7		(1) SK191	COS/FUV, TIME-TAG, PSA	G130M	BUFFER-TIME=88;			88 Secs		
				1309 A	FP-POS=3			[==>]	[1]	
8		(1) SK191	COS/FUV, TIME-TAG, PSA	G160M	BUFFER-TIME=12			120 Secs		
				1600 A	0;			[==>]	[1]	
					FP-POS=3					
9		(1) SK191	COS/FUV, TIME-TAG, PSA	G160M	BUFFER-TIME=12			120 Secs		
				1623 A	0;			[==>]	[1]	
					FP-POS=3					
10		(1) SK191	COS/FUV, TIME-TAG, PSA	G160M	BUFFER-TIME=12			111 Secs		
				1623 A	0;			[==>]	[1]	
					FP-POS=4					



Proposal 11997 - Visit 02 - FUV Internal/External Wavelength Scale Monitor

Wed Jan 27 02:15:38 GMT 2010

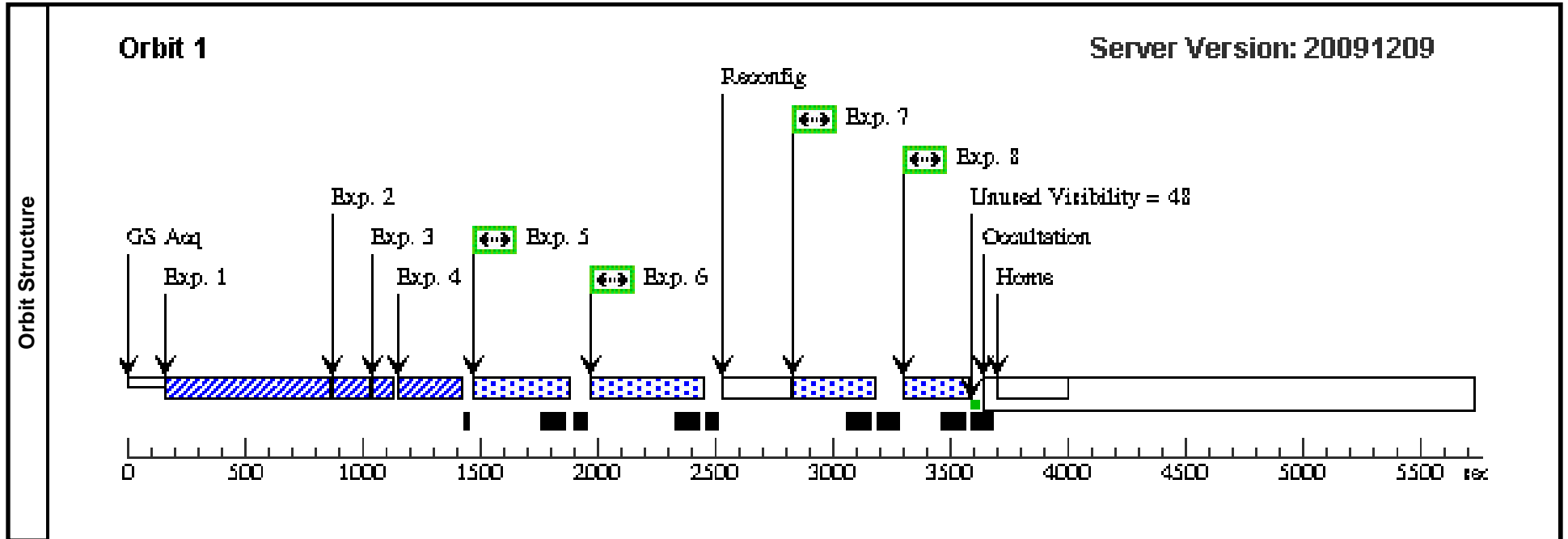
Visit		Proposal 11997, Visit 02, completed Diagnostic Status: No Diagnostics Scientific Instruments: COS/FUV Special Requirements: BETWEEN 30-AUG-2009:00:00:00 AND 19-SEP-2009:23:59:59								
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
		(2)	CL-NGC-330-ROB-B37	RA: 00 56 20.7900 (14.0866250d) Dec: -72 28 33.80 (-72.47606d) Equinox: J2000	Proper Motion RA: -0.00106s/yr Proper Motion Dec: 0.0015"/yr Epoch of Position: 2000	V=13.33 B-V=0.07	Reference Frame: ICRS			
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(2) CL-NGC-330-R OB-B37	COS/FUV, ACQ/SEARCH, PSA	G140L 1230 A	SCAN-SIZE=4; STEP-SIZE=1.767			1 Secs [==>]	[1]
	2		(2) CL-NGC-330-R OB-B37	COS/FUV, ACQ/SEARCH, PSA	G140L 1230 A	SCAN-SIZE=2; STEP-SIZE=1.767			1 Secs [==>]	[1]
	3		(2) CL-NGC-330-R OB-B37	COS/FUV, ACQ/PEAKXD, PSA	G140L 1230 A				1 Secs [==>]	[1]
	4		(2) CL-NGC-330-R OB-B37	COS/FUV, ACQ/PEAKD, PSA	G140L 1230 A	NUM-POS=9; STEP-SIZE=1			1 Secs [==>]	[1]
	5		(2) CL-NGC-330-R OB-B37	COS/FUV, TIME-TAG, PSA	G140L 1230 A	FP-POS=3; FLASH=YES; BUFFER-TIME=26 0			360 Secs [==>]	[1]
	6		(2) CL-NGC-330-R OB-B37	COS/FUV, TIME-TAG, PSA	G140L 1230 A	FP-POS=1; FLASH=YES; BUFFER-TIME=26 0			360 Secs [==>]	[1]
	7		(2) CL-NGC-330-R OB-B37	COS/FUV, TIME-TAG, PSA	G140L 1105 A	FP-POS=3; FLASH=YES; BUFFER-TIME=12 4			224 Secs [==>]	[1]
	8		(2) CL-NGC-330-R OB-B37	COS/FUV, TIME-TAG, PSA	G140L 1105 A	FP-POS=4; FLASH=YES; BUFFER-TIME=12 4			224 Secs [==>]	[1]



Proposal 11997 - Visit 08 - FUV Internal/External Wavelength Scale Monitor

Wed Jan 27 02:15:38 GMT 2010

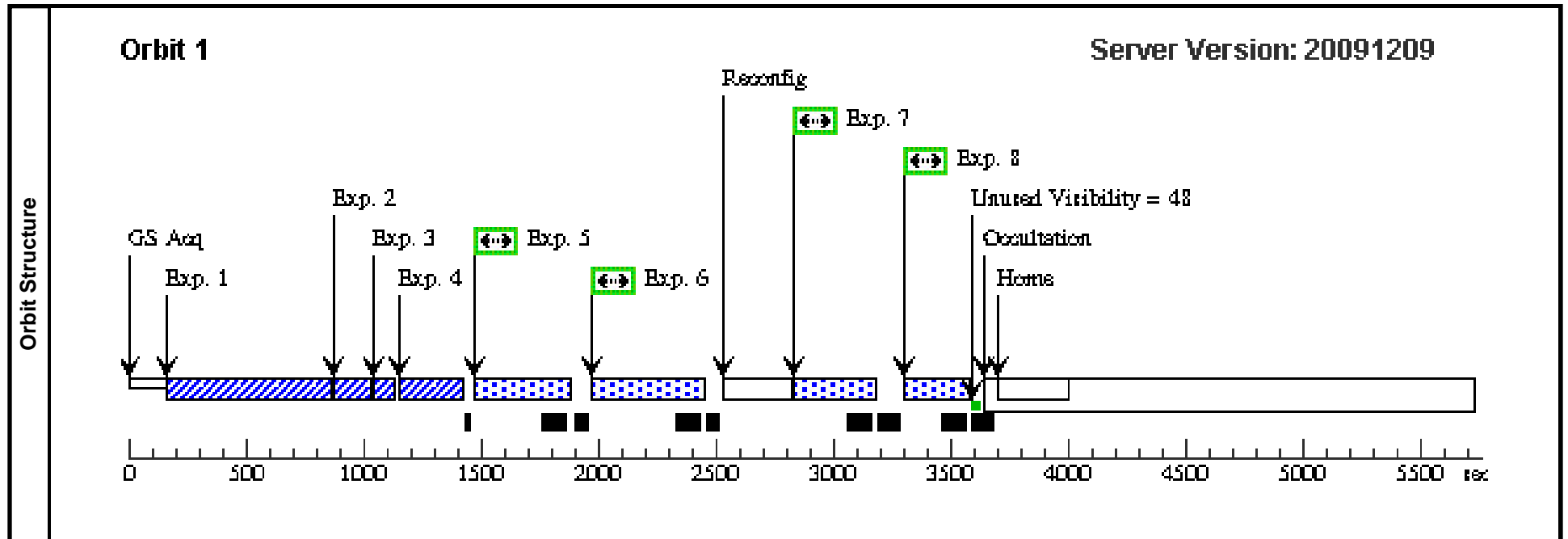
Visit	Proposal 11997, Visit 08, completed Diagnostic Status: No Diagnostics Scientific Instruments: COS/FUV Special Requirements: BETWEEN 21-OCT-2009:00:00:00 AND 12-NOV-2009:23:59:59									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(2)	CL-NGC-330-ROB-B37	RA: 00 56 20.7900 (14.0866250d) Dec: -72 28 33.80 (-72.47606d) Equinox: J2000	Proper Motion RA: -0.00106s/yr Proper Motion Dec: 0.0015"/yr Epoch of Position: 2000	V=13.33 B-V=0.07	Reference Frame: ICRS				
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(2) CL-NGC-330-R OB-B37	COS/FUV, ACQ/SEARCH, PSA	G140L 1230 A	SCAN-SIZE=4; STEP-SIZE=1.767			1 Secs [==>]	[1]
	2		(2) CL-NGC-330-R OB-B37	COS/FUV, ACQ/SEARCH, PSA	G140L 1230 A	SCAN-SIZE=2; STEP-SIZE=1.767			1 Secs [==>]	[1]
	3		(2) CL-NGC-330-R OB-B37	COS/FUV, ACQ/PEAKXD, PSA	G140L 1230 A				1 Secs [==>]	[1]
	4		(2) CL-NGC-330-R OB-B37	COS/FUV, ACQ/PEAKD, PSA	G140L 1230 A	NUM-POS=9; STEP-SIZE=1			1 Secs [==>]	[1]
	5		(2) CL-NGC-330-R OB-B37	COS/FUV, TIME-TAG, PSA	G140L 1230 A	FP-POS=3; FLASH=YES; BUFFER-TIME=26 0			360 Secs [==>]	[1]
	6		(2) CL-NGC-330-R OB-B37	COS/FUV, TIME-TAG, PSA	G140L 1230 A	FP-POS=1; FLASH=YES; BUFFER-TIME=26 0			360 Secs [==>]	[1]
	7		(2) CL-NGC-330-R OB-B37	COS/FUV, TIME-TAG, PSA	G140L 1105 A	FP-POS=3; FLASH=YES; BUFFER-TIME=12 4			224 Secs [==>]	[1]
8		(2) CL-NGC-330-R OB-B37	COS/FUV, TIME-TAG, PSA	G140L 1105 A	FP-POS=4; FLASH=YES; BUFFER-TIME=12 4			224 Secs [==>]	[1]	



Proposal 11997 - Visit 09 - FUV Internal/External Wavelength Scale Monitor

Wed Jan 27 02:15:39 GMT 2010

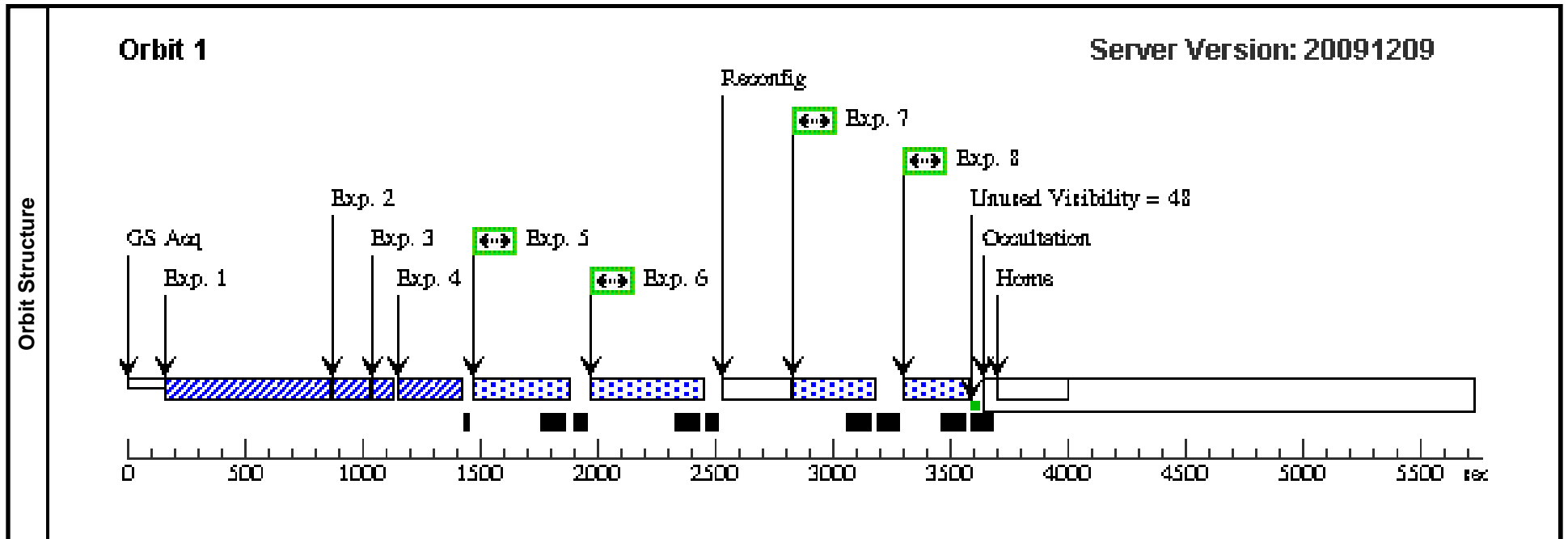
Visit		Proposal 11997, Visit 09, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: COS/FUV Special Requirements: BETWEEN 13-FEB-2010:00:00:00 AND 25-FEB-2010:23:59:59								
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
		(2)	CL-NGC-330-ROB-B37	RA: 00 56 20.7900 (14.0866250d) Dec: -72 28 33.80 (-72.47606d) Equinox: J2000	Proper Motion RA: -0.00106s/yr Proper Motion Dec: 0.0015"/yr Epoch of Position: 2000	V=13.33 B-V=0.07	Reference Frame: ICRS			
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(2) CL-NGC-330-R OB-B37	COS/FUV, ACQ/SEARCH, PSA	G140L 1230 A	SCAN-SIZE=4; STEP-SIZE=1.767			1 Secs [==>]	[1]
	2		(2) CL-NGC-330-R OB-B37	COS/FUV, ACQ/SEARCH, PSA	G140L 1230 A	SCAN-SIZE=2; STEP-SIZE=1.767			1 Secs [==>]	[1]
	3		(2) CL-NGC-330-R OB-B37	COS/FUV, ACQ/PEAKXD, PSA	G140L 1230 A				1 Secs [==>]	[1]
	4		(2) CL-NGC-330-R OB-B37	COS/FUV, ACQ/PEAKD, PSA	G140L 1230 A	NUM-POS=9; STEP-SIZE=1			1 Secs [==>]	[1]
	5		(2) CL-NGC-330-R OB-B37	COS/FUV, TIME-TAG, PSA	G140L 1230 A	FP-POS=3; FLASH=YES; BUFFER-TIME=26 0			360 Secs [==>]	[1]
	6		(2) CL-NGC-330-R OB-B37	COS/FUV, TIME-TAG, PSA	G140L 1230 A	FP-POS=1; FLASH=YES; BUFFER-TIME=26 0			360 Secs [==>]	[1]
	7		(2) CL-NGC-330-R OB-B37	COS/FUV, TIME-TAG, PSA	G140L 1105 A	FP-POS=3; FLASH=YES; BUFFER-TIME=12 4			224 Secs [==>]	[1]
	8		(2) CL-NGC-330-R OB-B37	COS/FUV, TIME-TAG, PSA	G140L 1105 A	FP-POS=4; FLASH=YES; BUFFER-TIME=12 4			224 Secs [==>]	[1]



Proposal 11997 - Visit 10 - FUV Internal/External Wavelength Scale Monitor

Wed Jan 27 02:15:39 GMT 2010

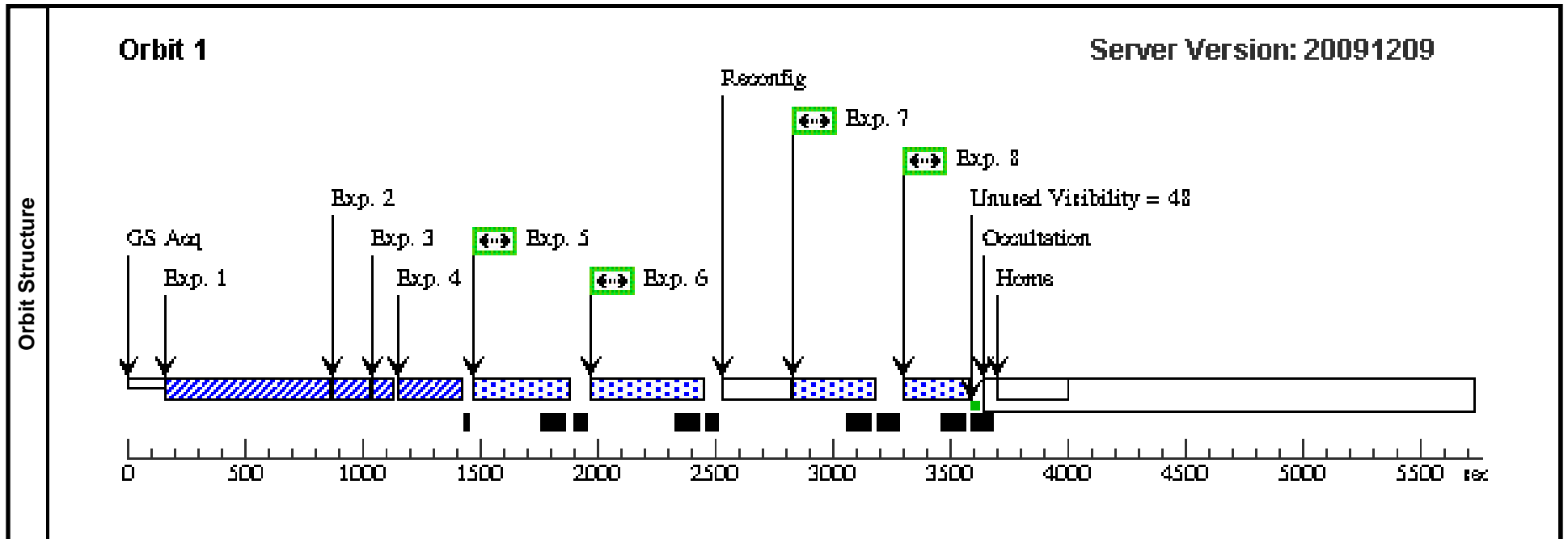
Visit	Proposal 11997, Visit 10, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: COS/FUV Special Requirements: BETWEEN 17-APR-2010:00:00:00 AND 03-MAY-2010:23:59:59									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(2)	CL-NGC-330-ROB-B37	RA: 00 56 20.7900 (14.0866250d) Dec: -72 28 33.80 (-72.47606d) Equinox: J2000	Proper Motion RA: -0.00106s/yr Proper Motion Dec: 0.0015"/yr Epoch of Position: 2000	V=13.33 B-V=0.07	Reference Frame: ICRS				
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(2) CL-NGC-330-R OB-B37	COS/FUV, ACQ/SEARCH, PSA	G140L 1230 A	SCAN-SIZE=4; STEP-SIZE=1.767				1 Secs [==>]	[1]
	2	(2) CL-NGC-330-R OB-B37	COS/FUV, ACQ/SEARCH, PSA	G140L 1230 A	SCAN-SIZE=2; STEP-SIZE=1.767				1 Secs [==>]	[1]
	3	(2) CL-NGC-330-R OB-B37	COS/FUV, ACQ/PEAKXD, PSA	G140L 1230 A					1 Secs [==>]	[1]
	4	(2) CL-NGC-330-R OB-B37	COS/FUV, ACQ/PEAKD, PSA	G140L 1230 A	NUM-POS=9; STEP-SIZE=1				1 Secs [==>]	[1]
	5	(2) CL-NGC-330-R OB-B37	COS/FUV, TIME-TAG, PSA	G140L 1230 A	FP-POS=3; FLASH=YES; BUFFER-TIME=26 0				360 Secs [==>]	[1]
	6	(2) CL-NGC-330-R OB-B37	COS/FUV, TIME-TAG, PSA	G140L 1230 A	FP-POS=1; FLASH=YES; BUFFER-TIME=26 0				360 Secs [==>]	[1]
	7	(2) CL-NGC-330-R OB-B37	COS/FUV, TIME-TAG, PSA	G140L 1105 A	FP-POS=3; FLASH=YES; BUFFER-TIME=12 4				224 Secs [==>]	[1]
	8	(2) CL-NGC-330-R OB-B37	COS/FUV, TIME-TAG, PSA	G140L 1105 A	FP-POS=4; FLASH=YES; BUFFER-TIME=12 4				224 Secs [==>]	[1]



Proposal 11997 - Visit 11 - FUV Internal/External Wavelength Scale Monitor

Wed Jan 27 02:15:40 GMT 2010

Visit	Proposal 11997, Visit 11, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: COS/FUV Special Requirements: BETWEEN 11-JUN-2010:00:00:00 AND 24-JUN-2010:23:59:59									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(2)	CL-NGC-330-ROB-B37	RA: 00 56 20.7900 (14.0866250d) Dec: -72 28 33.80 (-72.47606d) Equinox: J2000	Proper Motion RA: -0.00106s/yr Proper Motion Dec: 0.0015"/yr Epoch of Position: 2000	V=13.33 B-V=0.07	Reference Frame: ICRS				
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(2) CL-NGC-330-R OB-B37	COS/FUV, ACQ/SEARCH, PSA	G140L 1230 A	SCAN-SIZE=4; STEP-SIZE=1.767			1 Secs [==>]	[1]
	2		(2) CL-NGC-330-R OB-B37	COS/FUV, ACQ/SEARCH, PSA	G140L 1230 A	SCAN-SIZE=2; STEP-SIZE=1.767			1 Secs [==>]	[1]
	3		(2) CL-NGC-330-R OB-B37	COS/FUV, ACQ/PEAKXD, PSA	G140L 1230 A				1 Secs [==>]	[1]
	4		(2) CL-NGC-330-R OB-B37	COS/FUV, ACQ/PEAKD, PSA	G140L 1230 A	NUM-POS=9; STEP-SIZE=1			1 Secs [==>]	[1]
	5		(2) CL-NGC-330-R OB-B37	COS/FUV, TIME-TAG, PSA	G140L 1230 A	FP-POS=3; FLASH=YES; BUFFER-TIME=26 0			360 Secs [==>]	[1]
	6		(2) CL-NGC-330-R OB-B37	COS/FUV, TIME-TAG, PSA	G140L 1230 A	FP-POS=1; FLASH=YES; BUFFER-TIME=26 0			360 Secs [==>]	[1]
	7		(2) CL-NGC-330-R OB-B37	COS/FUV, TIME-TAG, PSA	G140L 1105 A	FP-POS=3; FLASH=YES; BUFFER-TIME=12 4			224 Secs [==>]	[1]
	8		(2) CL-NGC-330-R OB-B37	COS/FUV, TIME-TAG, PSA	G140L 1105 A	FP-POS=4; FLASH=YES; BUFFER-TIME=12 4			224 Secs [==>]	[1]



Proposal 11997 - Visit 12 - FUV Internal/External Wavelength Scale Monitor

Wed Jan 27 02:15:40 GMT 2010

Visit	Proposal 11997, Visit 12, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: COS/FUV Special Requirements: BETWEEN 20-SEP-2010:00:00:00 AND 12-OCT-2010:23:59:59									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(2)	CL-NGC-330-ROB-B37	RA: 00 56 20.7900 (14.0866250d) Dec: -72 28 33.80 (-72.47606d) Equinox: J2000	Proper Motion RA: -0.00106s/yr Proper Motion Dec: 0.0015"/yr Epoch of Position: 2000	V=13.33 B-V=0.07	Reference Frame: ICRS				
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(2) CL-NGC-330-R OB-B37	COS/FUV, ACQ/SEARCH, PSA	G140L 1230 A	SCAN-SIZE=4; STEP-SIZE=1.767			1 Secs [==>]	[1]
	2		(2) CL-NGC-330-R OB-B37	COS/FUV, ACQ/SEARCH, PSA	G140L 1230 A	SCAN-SIZE=2; STEP-SIZE=1.767			1 Secs [==>]	[1]
	3		(2) CL-NGC-330-R OB-B37	COS/FUV, ACQ/PEAKXD, PSA	G140L 1230 A				1 Secs [==>]	[1]
	4		(2) CL-NGC-330-R OB-B37	COS/FUV, ACQ/PEAKD, PSA	G140L 1230 A	NUM-POS=9; STEP-SIZE=1			1 Secs [==>]	[1]
	5		(2) CL-NGC-330-R OB-B37	COS/FUV, TIME-TAG, PSA	G140L 1230 A	FP-POS=3; FLASH=YES; BUFFER-TIME=26 0			360 Secs [==>]	[1]
	6		(2) CL-NGC-330-R OB-B37	COS/FUV, TIME-TAG, PSA	G140L 1230 A	FP-POS=1; FLASH=YES; BUFFER-TIME=26 0			360 Secs [==>]	[1]
	7		(2) CL-NGC-330-R OB-B37	COS/FUV, TIME-TAG, PSA	G140L 1105 A	FP-POS=3; FLASH=YES; BUFFER-TIME=12 4			224 Secs [==>]	[1]
	8		(2) CL-NGC-330-R OB-B37	COS/FUV, TIME-TAG, PSA	G140L 1105 A	FP-POS=4; FLASH=YES; BUFFER-TIME=12 4			224 Secs [==>]	[1]

