12677 - COS/FUV Mapping of Stray PtNe Lamp Light Through FCA

Cycle: 18, Proposal Category: CAL/COS

(Availability Mode: RESTRICTED)

INVESTIGATORS

Name	*Institution*	*E-Mail*
Dr. Cristina Oliveira (PI)	**Space Telescope Science Institute**	**oliveira@stsci.edu**
Dr. Steven Osterman (CoI)	University of Colorado at Boulder	steven.osterman@colorado.edu
Dr. Steven V. Penton (CoI)	University of Colorado at Boulder	steven.penton@colorado.edu
Dr. David J. Sahnow (CoI)	The Johns Hopkins University	sahnow@pha.jhu.edu
Dr. Alessandra Aloisi (CoI)	Space Telescope Science Institute	aloisi@stsci.edu
Dr. Charles R. Proffitt (CoI)	Computer Sciences Corporation	proffitt@stsci.edu

VISITS

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
1N	NONE WAVE	COS COS/FUV	1	02-Sep-2011 21:18:55.0	yes
2N	NONE WAVE	COS COS/FUV	1	02-Sep-2011 21:19:04.0	yes
3N	NONE WAVE	COS COS/FUV	1	02-Sep-2011 21:19:12.0	yes
4N	NONE WAVE	COS COS/FUV	1	02-Sep-2011 21:19:21.0	yes
5N	NONE WAVE	COS COS/FUV	1	02-Sep-2011 21:19:28.0	yes

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
6N	NONE WAVE	COS COS/FUV	1	02-Sep-2011 21:19:36.0	yes
1S	NONE WAVE	COS COS/FUV	1	02-Sep-2011 21:19:43.0	yes
2S	NONE WAVE	COS COS/FUV	1	02-Sep-2011 21:19:50.0	yes
3S	NONE WAVE	COS COS/FUV	1	02-Sep-2011 21:19:59.0	yes
4S	NONE WAVE	COS COS/FUV	1	02-Sep-2011 21:20:10.0	yes
5S	NONE WAVE	COS COS/FUV	1	02-Sep-2011 21:20:17.0	yes
6S	NONE WAVE	COS COS/FUV	1	02-Sep-2011 21:20:24.0	yes
10	WAVE	COS/FUV	1	02-Sep-2011 21:20:32.0	yes
11	WAVE	COS/FUV	1	02-Sep-2011 21:20:36.0	yes
12	WAVE	COS/FUV	1	02-Sep-2011 21:20:40.0	yes
13	WAVE	COS/FUV	1	02-Sep-2011 21:20:46.0	yes

16 Total Orbits Used

ABSTRACT

This program determines which cross-dispersion locations lead to wavecal lamp (PtNe) light leaking through the flat-field calibration aperture (FCA). This unexpected effect, observed initially in program 12096, led to a shut down of the COS/FUV detector due to a global count rate violation in Segment A of the G140L/1230 setting. Detector threshold is 600,000 FEC counts in 10 seconds on each segment. If this level is exceeded, the detector shuts down the HV.

In program 12096, for the G140L/1230 setting, at +6" from the nominal position in the cross-dispersion direction, 180,000 cts/sec were observed through the FCA in Segment A, and 49,000 cts/sec in Segment B (PtNe/FCA). The corresponding wavecal count rate (PtNe/WCA) is 685 cts/sec in

Segment A, implying that there is a scale factor of 263 between the FCA and WCA count rates. This scale factor could not be verified for Segment B, given that the PtNe lamp does not produce counts at the short wavelengths seen by G140L/1230/FUVB. However, this scaling factor is expected to be the same for both segments.

The scaling factor derived from program 12096 is then used to predict the FCA count rates seen with all the gratings, in off-nominal positions where light might leak through the FCA in the current program.

There is no light leak between the nominal position and positions up to and including +3" (at least not in Mar 2010 when program 12096 executed), but somewhere above +3" and certainly at +6" the PtNe light starts leaking through the FCA.

Light is not predicted to leak at negative POS-TARG positions from the nominal, and the purpose of this program is to verify that as well.

Visits 1N to 6N take data at positions from +1.0" to +6.0", while visits 1S to 6S take data at positions from -1.0" to -6.0". Visits 10 through 13 take data at the nominal position, 0.0".

At each position in the detector data is taken with the following settings:

G130M/1055/1291/1327, G160M/1577/1623, and G140L/1280/1105, in this order.

LAMP2 with CURRENT=LOW is used in all of these visits. In addition, at each position, one exposure with LAMP1 CURRENT=MED is also taken with the G130M/1055 setting, which leads to total counts in 10 sec more than a factor of 10 below the 600,000 limit. This exposure is used so that the ratio of LAMP1/MED to LAMP2/LOW can be calculated for the FCA at each position (in conjunction with the data obtained in visits 11, 12, and 13; see below). In addition, the G130M/1055 exposures with LAMP1/MED and LAMP2/LOW will be used to determine if the lamp spot size is changing at each position.

Depending on the total counts estimated for each setting, either a typical wave exposure is taken or special flash commands are used. Details are given in each visit.

Exposures obtained with LAMP1/CURRENT=LOW are expected to have a ~20% smaller count rate than exposures obtained with LAMP1/CURRENT=MED. Exposures obtained with LAMP2/CURRENT=MED are expected to have count rates similar to those obtained with LAMP1/CURRENT=MED, and exposures obtained with LAMP2/CURRENT=LOW are expected to have a count rate which is ~1/7 of that obtained with LAMP2/CURRENT=MED.

VISIT 10 OBTAINS LAMP1/CURRENT=MED+ LOW SPECTRA AT ALL THE M SETTINGS USED IN THIS PROGRAM, AT THE NOMINAL POSITION (0.0").

VISIT 11 OBTAINS LAMP2/CURRENT=MED SPECTRA AT ALL THE M SETTINGS USED IN THIS PROGRAM, AT THE NOMINAL POSITION (0.0").
VISIT 12 OBTAINS LAMP2/CURRENT=LOW SPECTRA AT ALL THE M SETTINGS USED IN THIS PROGRAM, AT THE NOMINAL POSITION (0.0").
VISIT 13 OBTAINS LAMP1/CURRENT=MED, LOW AND LAMP2/CURRENT=MED, LOW SPECTRA AT ALL OF THE L SETTINGS USED IN THIS PROGRAM,
AT THE NOMINAL POSITION (0.0").

THE GOAL OF THESE VISITS IS TO DETERMINE THE RATIOS OF THE DIFFERENT LAMP SETTINGS AT DIFFERENT WAVELENGTHS, TO HELP IN ANALYZING THE DATA OBTAINED IN VISITS WHERE ONLY LAMP2/LOW IS USED.

ALSO, THESE DATA WILL BE USED TO PREDICT WHAT THE COUNTS WOULD BE WITH G140L/1280/LAMP1/MED AT THE +6.0" POSITION (VIS6N, WHERE LAMP2/LOW IS USED). THESE COUNTS WILL BE COMPARED WITH THE COUNTS OBTAINED IN PROGRAM 12096 WITH G140L/1230/LAMP1/MED, MORE THAN ONE YEAR AGO, TO LOOK FOR VARIABILITY, POSSIBLY INDICATING CHANGES TO THE LAMP SPOT SIZE.

Visits 10 through 13, all executed at the nominal position, pose no safety concerns.

CONSTRAINTS:
- Visits 1N, 2N, 3N can be executed back to back as no light is expected to leak through the FCA. Visit 1N should execute before visit 2N, which should execute before visit 3N.

- Visits 1S, 2S, and 3S can be executed back to back and do not have constraints relative to the other visits. Visit 1S should execute before visit 2S, which should execute before visit 3S

- Visits 10, 11, 12, and 13 (data obtained at nominal position), can also be executed back to back and have no constraints relative to other visits. However, these visits should be scheduled as soon as possible, because results of data anaysis will be used to inform execution of program 12678.

- There should be an interval of at least two days between any of the visits mentioned above and the other visits in this program (4N, 5N, 6N, 4S, 5S,

6S) which could see light leaking through the FCA.

- Visits 4S and 4N can be scheduled in the same week, but they don't need to be.

- Visits 5S and 5N can be scheduled in the same week, but they don't need to be.

- There should be an interval of at least 3 weeks between visit 4N and visit 5N.

- Visits 6S and 6N can be scheduled in the same week, but they don't need to be.

- There should be an interval of at least 3 weeks between visit 5N and visit 6N.

- Visits 1S through 5S should be scheduled as soon as possible, the same is true for visits 1N to 4N.

OBSERVING DESCRIPTION

This program maps stray light from the PtNe lamp that goes through the FCA when the aperture is moved in the cross-dispersion direction.
Settings used in this program are:
G130M/1055/FP-POS=4
G130M/1291/FP-POS=3
G130M/1327/FP-POS=1

G140L/1105/FP-POS=4
G140L/1280/FP-POS=1

G160M/1577/FP-POS=4
G160M/1623/FP-POS=1

ADDITIONAL COMMENTS

ISQL is required to bypass calibration for exposures using G130M with the 1055 central wavelength. See exposure level comments.

Visit

Proposal 12677, Visit 1N, completed Sat Sep 03 01:20:51 GMT 2011

Diagnostic Status: Warning

Scientific Instruments: COS/FUV, COS

Special Requirements: (none)

Comments: GLOBAL SOFTWARE MONITOR SHUTS DOWN FUV DETECTOR IF IN ANY SEGMENT THE NUMBER OF FEC COUNTS INTEGRATED OVER A RUNNING BOX OF 10 SEC IS 600,000.
ALL THE TOTAL COUNTS GIVEN BELOW ARE CLOSE TO A FACTOR 0F 10 OR HIGHER BELOW THIS LIMIT

THIS VISIT EXECUTES AT THE +1.0" POSITION.
ALL GRATINGS ARE USED.
G130M/1055/4 - LAMP1/MED - 10 SEC EXPOSURE - 52,800 TOTAL CTS IN FUVA & 0 TOTAL CTS IN FUV B
G130M/1055/4 - LAMP2/LOW - 10 SEC EXPOSURE - 7543 TOTAL CTS IN FUVA & 0 TOTAL CTS IN FUVB
G130M/1291/3 - LAMP2/LOW - 8 SEC EXPOSURE - 65,170 TOTAL CTS IN FUVA & 37,413 TOTAL CTS IN FUVB
G130M/1327/1 - LAMP2/LOW - 8 SEC EXPOSURE - 65,472 TOTAL CTS IN FUVA & 55,515 TOTAL CTS IN FUVB
G160M/1577/4 - LAMP2/LOW - TWO 3 SEC FLASHES SPACED BY 11 SEC - TOTAL CTS IN 10 SEC: 21,723 FUVA & 64,491 FUVB
G160M/1623/1 - LAMP2/LOW - TWO 3 SEC FLASHES SPACED BY 11 SEC - TOTAL CTS IN 10 SEC: 24,891 FUVA & 62,229 FUVB
G140L/1280/1 - LAMP2/LOW - TWO 2 SEC FLASHES SPACED BY 11 SEC - TOTAL CTS IN 10 SEC: 55,063 FUVA & 1,923 FUVB
G140L/1105/4 - LAMP2/LOW - TWO 2 SEC FLASHES SPACED BY 11 SEC - TOTAL CTS IN 10 SEC: 57,175 FUVA & 0 FUVB

Diagnostics

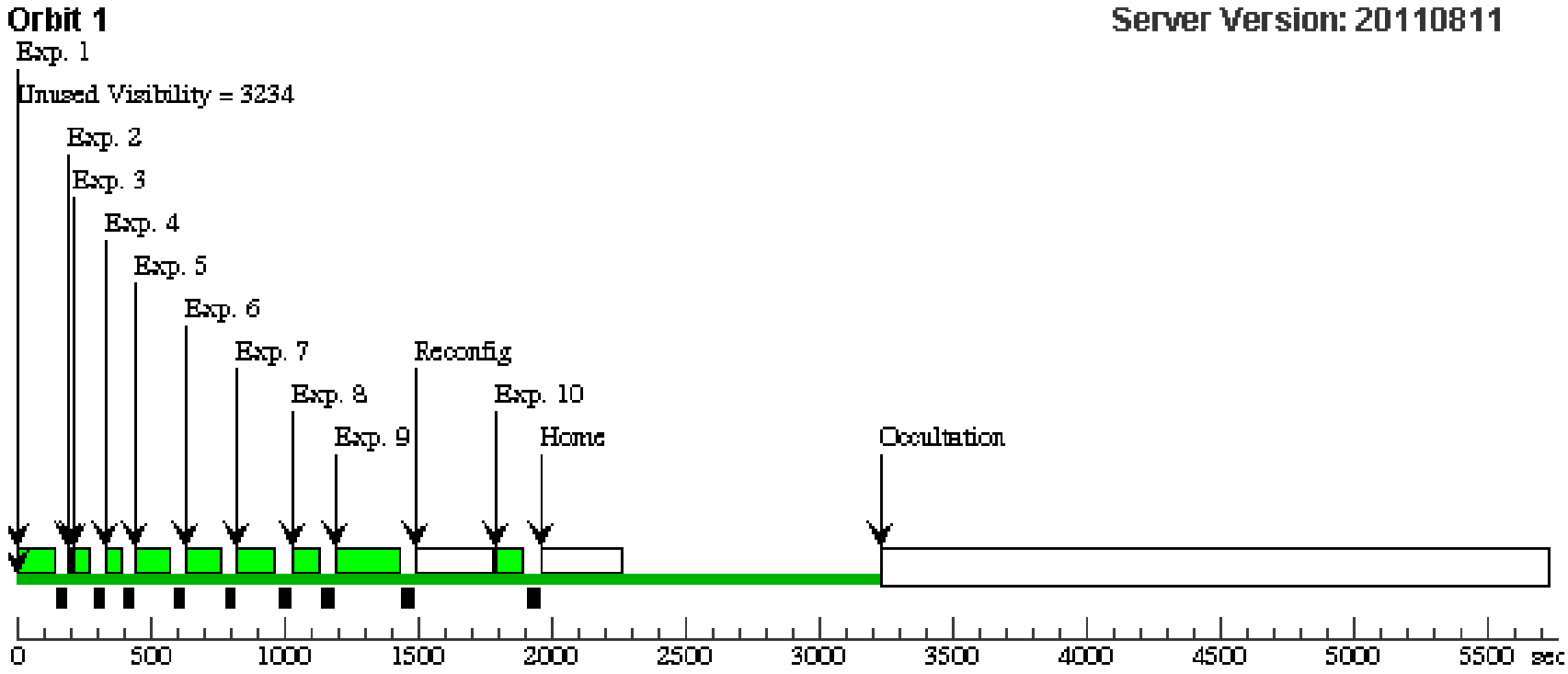
(Visit 1N) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	G130M-1055-FP4-LAM P1MED_0.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=4			10 Secs *[==>]*	***[1]***
	Comments: 10 SEC EXPOSURE AT NOMINAL POSITION, WITH NOMINAL LAMP/CURRENT SETTING LAMP ON FOR FULL 10 SEC NO SPECIAL FLASH COMMANDS USED. *ISQL is needed to bypass calibration.*								
2	Ap Lifetime Position +1.0 arcsec	NONE	COS, ALIGN/APER		XAPER=-21; YAPER=0			0.0 Secs *[==>]*	***[1]***
	Comments: Move aperture to +1.0" postarg to map FCA/PtNe light. This corresponds to displacement across dispersion of: +1.0 arcsec (21.x0.0476)								
3	G130M-1055-FP4-LAM P1MED_+1.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=4	SPEC COM INSTR ELNOAPMAIN		10 Secs *[==>]*	***[1]***
	Comments: LAMP ON FOR 10 SEC NO SPECIAL FLASH COMMANDS USED LAMP1 MEDIUM CURRENT USED. *ISQL is needed to bypass calibration.*								
4	G130M-1055-FP4-LAM P2LOW_+1.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=4; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		10 Secs *[==>]*	***[1]***
	Comments: LAMP ON FOR 10 SEC NO SPECIAL FLASH COMMANDS USED LAMP2 LOW CURRENT USED. *ISQL is needed to bypass calibration.*								
5	G130M-1291-FP3-LAM P2LOW_+1.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1291 A	FP-POS=3; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		8 Secs *[==>]*	***[1]***
	Comments: LAMP ON FOR 8 SEC NO SPECIAL FLASH COMMANDS USED LAMP2 LOW CURRENT USED								
6	G130M-1327-FP1-LAM P2LOW_+1.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1327 A	FP-POS=1; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		8 Secs *[==>]*	***[1]***
	Comments: LAMP ON FOR 8 SEC NO SPECIAL FLASH COMMANDS USED LAMP2 LOW CURRENT USED								
7	G160M-1577-FP4-LAM P2LOW_+1.0	WAVE	COS/FUV, TIME-TAG, WCA	G160M 1577 A	FP-POS=4; FLASH=S0011D003; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		15 Secs *[==>]*	***[1]***
	Comments: TWO 3 SEC FLASHES SEPARATED BY 11 SEC ARE USED LAMP2 LOW CURRENT USED								
8	G160M-1623-FP1-LAM P2LOW_+1.0	WAVE	COS/FUV, TIME-TAG, WCA	G160M 1623 A	FLASH=S0011D003; FP-POS=1; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		15 Secs *[==>]*	***[1]***
	Comments: TWO 3 SEC FLASHES SEPARATED BY 11 SEC ARE USED LAMP2 LOW CURRENT USED								

9	G140L-1280 WAVE -FP1-LAMP 2LOW_+1.0	COS/FUV, TIME-TAG, WCA	G140L 1280 A	FLASH=S0011D002 ; FP-POS=1; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELA MP LINE2	14 Secs *[==>]*	***[1]***
	Comments: TWO 3 SEC FLASHES SEPARATED BY 11 SEC ARE USED LAMP2 LOW CURRENT USED						
10	G140L-1105 WAVE -FP4-LAMP 2LOW_+1.0	COS/FUV, TIME-TAG, WCA	G140L 1105 A	FLASH=S0011D002 ; FP-POS=4; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELA MP LINE2	14 Secs *[==>]*	***[1]***
	Comments: TWO 2 SEC FLASHES SEPARATED BY 11 SEC ARE USED LAMP2 LOW CURRENT USED						

Orbit Structure



Visit

Proposal 12677, Visit 2N, completed Sat Sep 03 01:20:53 GMT 2011

Diagnostic Status: Warning

Scientific Instruments: COS/FUV, COS

Special Requirements: AFTER 1N BY 1 S TO 30 D

Comments: GLOBAL SOFTWARE MONITOR SHUTS DOWN FUV DETECTOR IF IN ANY SEGMENT THE NUMBER OF FEC COUNTS INTEGRATED OVER A RUNNING BOX OF 10 SEC IS 600,000.
ALL THE TOTAL COUNTS GIVEN BELOW ARE CLOSE TO A FACTOR 0F 10 OR HIGHER BELOW THIS LIMIT

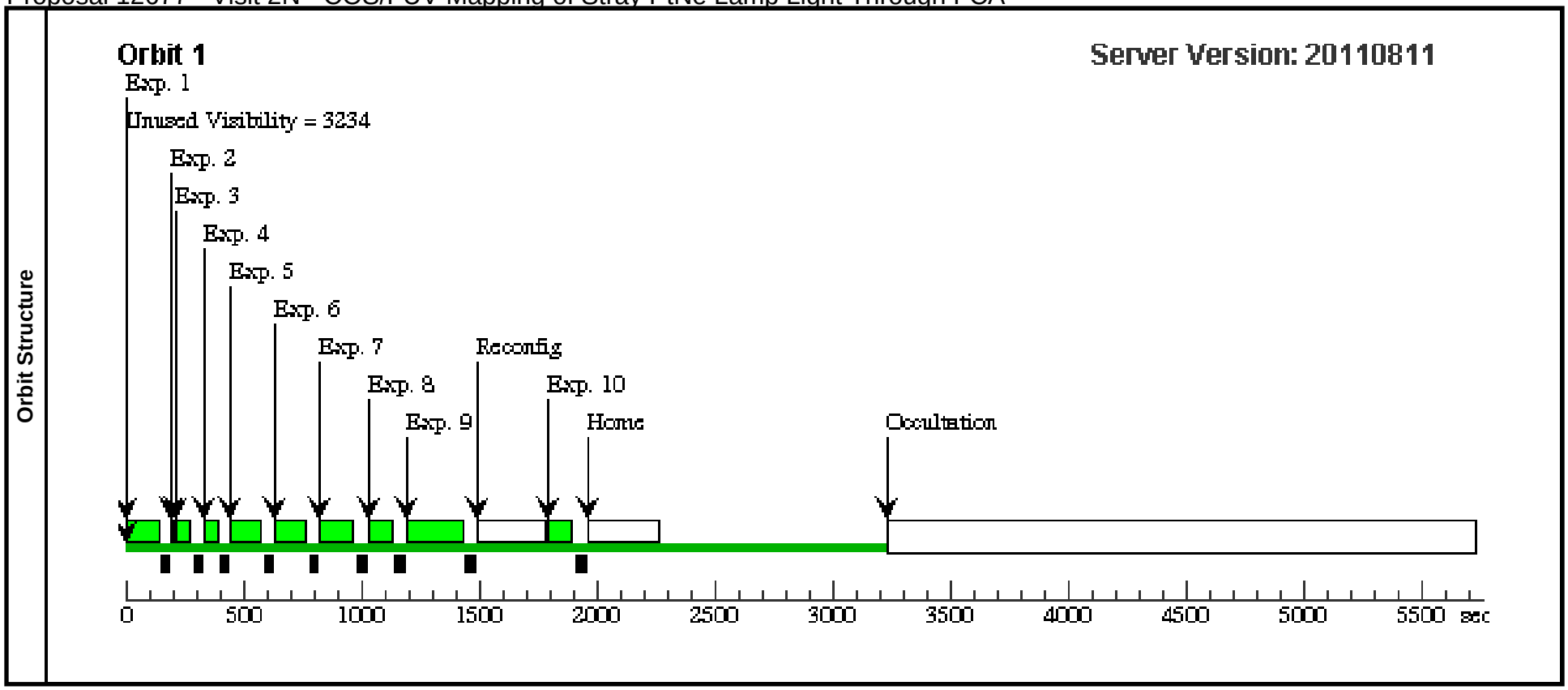
THIS VISIT EXECUTES AT THE +2.0" POSITION.
ALL GRATINGS ARE USED.
G130M/1055/4 - LAMP1/MED - 10 SEC EXPOSURE - 52,800 TOTAL CTS IN FUVA & 0 TOTAL CTS IN FUV B
G130M/1055/4 - LAMP2/LOW - 10 SEC EXPOSURE - 7543 TOTAL CTS IN FUVA & 0 TOTAL CTS IN FUVB
G130M/1291/3 - LAMP2/LOW - 8 SEC EXPOSURE - 65,170 TOTAL CTS IN FUVA & 37,413 TOTAL CTS IN FUVB
G130M/1327/1 - LAMP2/LOW - 8 SEC EXPOSURE - 65,472 TOTAL CTS IN FUVA & 55,515 TOTAL CTS IN FUVB
G160M/1577/4 - LAMP2/LOW - TWO 3 SEC FLASHES SPACED BY 11 SEC - TOTAL CTS IN 10 SEC: 21,723 FUVA & 64,491 FUVB
G160M/1623/1 - LAMP2/LOW - TWO 3 SEC FLASHES SPACED BY 11 SEC - TOTAL CTS IN 10 SEC: 24,891 FUVA & 62,229 FUVB
G140L/1280/1 - LAMP2/LOW - TWO 2 SEC FLASHES SPACED BY 11 SEC - TOTAL CTS IN 10 SEC: 55,063 FUVA & 1,923 FUVB
G140L/1105/4 - LAMP2/LOW - TWO 2 SEC FLASHES SPACED BY 11 SEC - TOTAL CTS IN 10 SEC: 57,175 FUVA & 0 FUVB

Diagnostics

(Visit 2N) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	G130M-1055-FP4-LAM P1MED_0.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=4			10 Secs *[==>]*	 ***[1]***
	Comments: 10 SEC EXPOSURE AT NOMINAL POSITION, WITH NOMINAL LAMP/CURRENT SETTING LAMP ON FOR FULL 10 SEC NO SPECIAL FLASH COMMANDS USED. *ISQL is needed to bypass calibration.*								
2	Ap Lifetime Position +2.0 arcsec	NONE	COS, ALIGN/APER		XAPER=-42; YAPER=0			0.0 Secs *[==>]*	 ***[1]***
	Comments: Move aperture to +2.0" postarg to map FCA/PtNe light. This corresponds to displacement across dispersion of: +2.0 arcsec (42.x0.0476)								
3	G130M-1055-FP4-LAM P1MED_+2.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=4	SPEC COM INSTR ELNOAPMAIN		10 Secs *[==>]*	 ***[1]***
	Comments: WCA/PtNe light will be used to see how the resolution of the lamp changes as we move. *ISQL is needed to bypass calibration.*								
4	G130M-1055-FP4-LAM P2LOW_+2.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=4; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		10 Secs *[==>]*	 ***[1]***
	Comments: ISQL is needed to bypass calibration.								
5	G130M-1291-FP3-LAM P2LOW_+2.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1291 A	FP-POS=3; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		8 Secs *[==>]*	 ***[1]***
	Comments: WCA/PtNe light will be used to see how the resolution of the lamp changes as we move.								
6	G130M-1327-FP1-LAM P2LOW_+2.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1327 A	FP-POS=1; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		8 Secs *[==>]*	 ***[1]***
7	G160M-1577-FP4-LAM P2LOW_+2.0	WAVE	COS/FUV, TIME-TAG, WCA	G160M 1577 A	FP-POS=4; FLASH=S0011D003; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		15 Secs *[==>]*	 ***[1]***
8	G160M-1623-FP1-LAM P2LOW_+2.0	WAVE	COS/FUV, TIME-TAG, WCA	G160M 1623 A	FLASH=S0011D003; FP-POS=1; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		15 Secs *[==>]*	 ***[1]***
9	G140L-1280-FP1-LAMP 2LOW_+2.0	WAVE	COS/FUV, TIME-TAG, WCA	G140L 1280 A	FLASH=S0011D002; FP-POS=1; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		14 Secs *[==>]*	 ***[1]***
10	G140L-1105-FP4-LAMP 2LOW_+2.0	WAVE	COS/FUV, TIME-TAG, WCA	G140L 1105 A	FLASH=S0011D002; FP-POS=4; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		14 Secs *[==>]*	 ***[1]***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Visit

Proposal 12677, Visit 3N, completed Sat Sep 03 01:20:54 GMT 2011

Diagnostic Status: Warning

Scientific Instruments: COS/FUV, COS

Special Requirements: AFTER 2N BY 1 S TO 30 D

Comments: GLOBAL SOFTWARE MONITOR SHUTS DOWN FUV DETECTOR IF IN ANY SEGMENT THE NUMBER OF FEC COUNTS INTEGRATED OVER A RUNNING BOX OF 10 SEC IS 600,000.
ALL THE TOTAL COUNTS GIVEN BELOW ARE CLOSE TO A FACTOR 0F 10 OR HIGHER BELOW THIS LIMIT

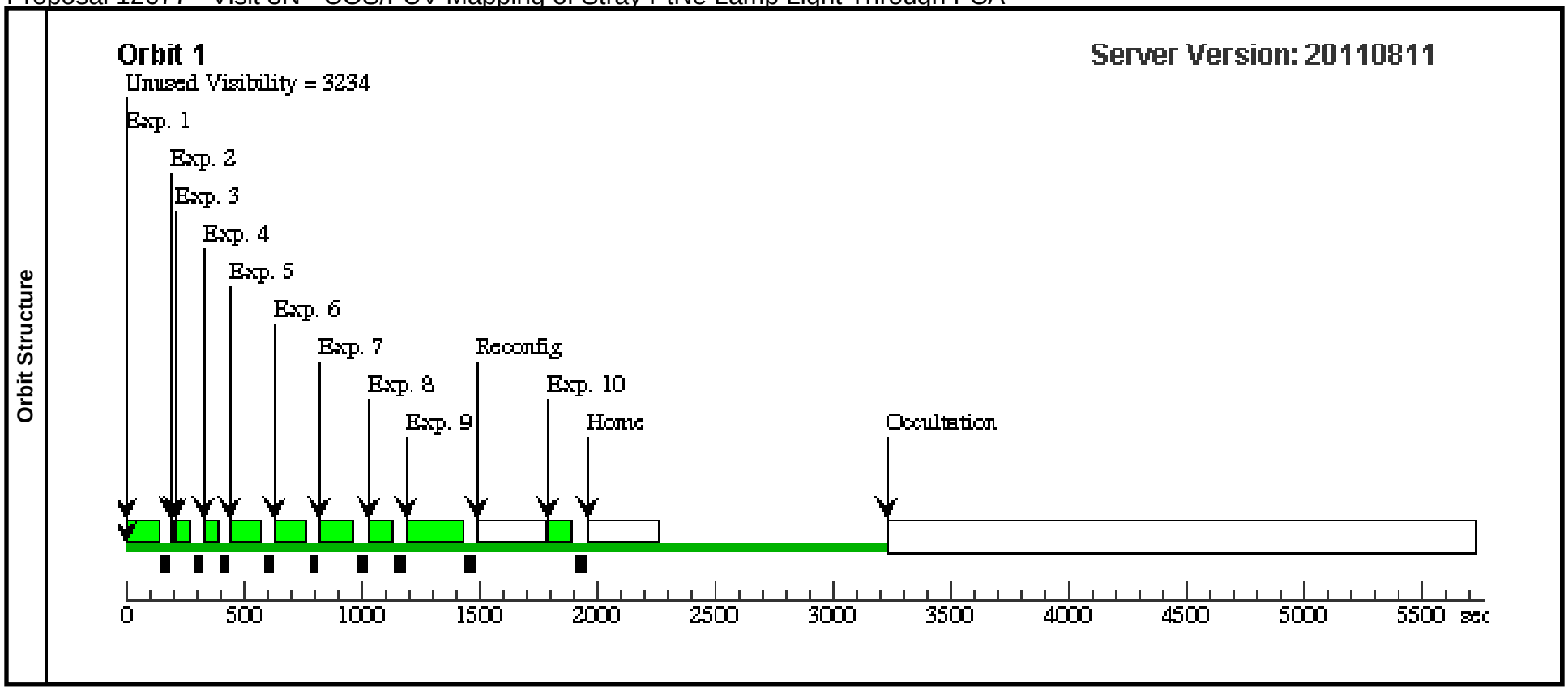
THIS VISIT EXECUTES AT THE +3.0" POSITION.
ALL GRATINGS ARE USED.
G130M/1055/4 - LAMP1/MED - 10 SEC EXPOSURE - 52,800 TOTAL CTS IN FUVA & 0 TOTAL CTS IN FUV B
G130M/1055/4 - LAMP2/LOW - 10 SEC EXPOSURE - 7543 TOTAL CTS IN FUVA & 0 TOTAL CTS IN FUVB
G130M/1291/3 - LAMP2/LOW - 8 SEC EXPOSURE - 65,170 TOTAL CTS IN FUVA & 37,413 TOTAL CTS IN FUVB
G130M/1327/1 - LAMP2/LOW - 8 SEC EXPOSURE - 65,472 TOTAL CTS IN FUVA & 55,515 TOTAL CTS IN FUVB
G160M/1577/4 - LAMP2/LOW - TWO 3 SEC FLASHES SPACED BY 11 SEC - TOTAL CTS IN 10 SEC: 21,723 FUVA & 64,491 FUVB
G160M/1623/1 - LAMP2/LOW - TWO 3 SEC FLASHES SPACED BY 11 SEC - TOTAL CTS IN 10 SEC: 24,891 FUVA & 62,229 FUVB
G140L/1280/1 - LAMP2/LOW - TWO 2 SEC FLASHES SPACED BY 11 SEC - TOTAL CTS IN 10 SEC: 55,063 FUVA & 1,923 FUVB
G140L/1105/4 - LAMP2/LOW - TWO 2 SEC FLASHES SPACED BY 11 SEC - TOTAL CTS IN 10 SEC: 57,175 FUVA & 0 FUVB

Diagnostics

(Visit 3N) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	G130M-1055-FP4-LAM P1MED_0.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=4			10 Secs *[==>]*	 ***[1]***
Comments: ISQL is needed to bypass calibration.									
2	Ap Lifetime Position +3.0 arcsec	NONE	COS, ALIGN/APER		XAPER=-63; YAPER=0			0.0 Secs *[==>]*	 ***[1]***
Comments: Move aperture to +3.0" postarg to map FCA/PtNe light. This corresponds to displacement across dispersion of: +3.0 arcsec (63.x0.0476)									
3	G130M-1055-FP4-LAM P1MED_+3.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=4	SPEC COM INSTR ELNOAPMAIN		10 Secs *[==>]*	 ***[1]***
Comments: WCA/PtNe light will be used to see how the resolution of the lamp changes as we move. *ISQL is needed to bypass calibration.*									
4	G130M-1055-FP4-LAM P2LOW_+3.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=4; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		10 Secs *[==>]*	 ***[1]***
Comments: ISQL is needed to bypass calibration.									
5	G130M-1291-FP3-LAM P2LOW_+3.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1291 A	FP-POS=3; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		8 Secs *[==>]*	 ***[1]***
6	G130M-1327-FP1-LAM P2LOW_+3.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1327 A	FP-POS=1; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		8 Secs *[==>]*	 ***[1]***
7	G160M-1577-FP4-LAM P2LOW_+3.0	WAVE	COS/FUV, TIME-TAG, WCA	G160M 1577 A	FP-POS=4; FLASH=S0011D003; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		15 Secs *[==>]*	 ***[1]***
8	G160M-1623-FP1-LAM P2LOW_+3.0	WAVE	COS/FUV, TIME-TAG, WCA	G160M 1623 A	FLASH=S0011D003; FP-POS=1; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		15 Secs *[==>]*	 ***[1]***
9	G140L-1280-FP1-LAMP 2LOW_+3.0	WAVE	COS/FUV, TIME-TAG, WCA	G140L 1280 A	FLASH=S0011D002; FP-POS=1; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		14 Secs *[==>]*	 ***[1]***
10	G140L-1105-FP4-LAMP 2LOW_+3.0	WAVE	COS/FUV, TIME-TAG, WCA	G140L 1105 A	FLASH=S0011D002; FP-POS=4; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		14 Secs *[==>]*	 ***[1]***


Orbit Structure
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Server Version: 20110811
Unused Visibility = 3234
Exp. 1
Exp. 2
Exp. 3
Exp. 4
Exp. 5
Exp. 6
Exp. 7
Exp. 8
Exp. 9
Reconfig
Exp. 10
Home
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Proposal 12677 - Visit 4N - COS/FUV Mapping of Stray PtNe Lamp Light Through FCA

Visit

Proposal 12677, Visit 4N, scheduled Sat Sep 03 01:20:55 GMT 2011

Diagnostic Status: Warning

Scientific Instruments: COS/FUV, COS

Special Requirements: AFTER 3N BY 2 D TO 30 D

Comments: GLOBAL SOFTWARE MONITOR SHUTS DOWN FUV DETECTOR IF IN ANY SEGMENT THE NUMBER OF FEC COUNTS INTEGRATED OVER A RUNNING BOX OF 10 SEC IS 600,000.
ALL THE TOTAL COUNTS GIVEN BELOW ARE CLOSE TO A FACTOR 0F 10 OR HIGHER BELOW THIS LIMIT

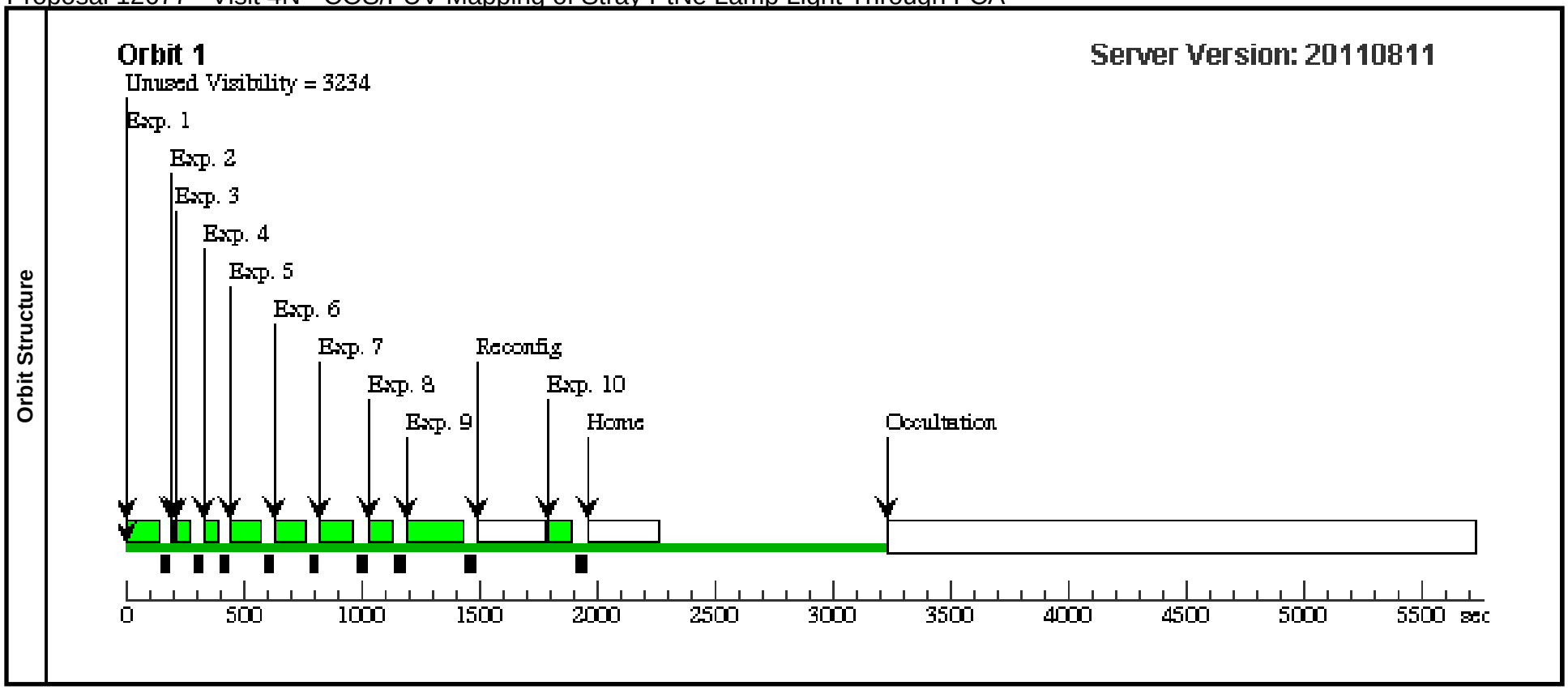
THIS VISIT EXECUTES AT THE +4.0" POSITION.
ALL GRATINGS ARE USED.
G130M/1055/4 - LAMP1/MED - 10 SEC EXPOSURE - 52,800 TOTAL CTS IN FUVA & 0 TOTAL CTS IN FUV B
G130M/1055/4 - LAMP2/LOW - 10 SEC EXPOSURE - 7543 TOTAL CTS IN FUVA & 0 TOTAL CTS IN FUVB
G130M/1291/3 - LAMP2/LOW - 8 SEC EXPOSURE - 65,170 TOTAL CTS IN FUVA & 37,413 TOTAL CTS IN FUVB
G130M/1327/1 - LAMP2/LOW - 8 SEC EXPOSURE - 65,472 TOTAL CTS IN FUVA & 55,515 TOTAL CTS IN FUVB
G160M/1577/4 - LAMP2/LOW - TWO 3 SEC FLASHES SPACED BY 11 SEC - TOTAL CTS IN 10 SEC: 21,723 FUVA & 64,491 FUVB
G160M/1623/1 - LAMP2/LOW - TWO 3 SEC FLASHES SPACED BY 11 SEC - TOTAL CTS IN 10 SEC: 24,891 FUVA & 62,229 FUVB
G140L/1280/1 - LAMP2/LOW - TWO 2 SEC FLASHES SPACED BY 11 SEC - TOTAL CTS IN 10 SEC: 55,063 FUVA & 1,923 FUVB
G140L/1105/4 - LAMP2/LOW - TWO 2 SEC FLASHES SPACED BY 11 SEC - TOTAL CTS IN 10 SEC: 57,175 FUVA & 0 FUVB

Diagnostics

(Visit 4N) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	G130M-1055-FP4-LAM P1MED_0.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=4			10 Secs *[==>]*	 ***[1]***
	Comments: 10 SEC EXPOSURE AT NOMINAL POSITION, WITH NOMINAL LAMP/CURRENT SETTING LAMP ON FOR FULL 10 SEC NO SPECIAL FLASH COMMANDS USED. *ISQL is needed to bypass calibration.*								
2	Ap Lifetime Position +4.0 arcsec	NONE	COS, ALIGN/APER		XAPER=-84; YAPER=0			0.0 Secs *[==>]*	 ***[1]***
	Comments: Move aperture to +4.0" postarg to map FCA/PtNe light. This corresponds to displacement across dispersion of: +4.0 arcsec (84.x0.0476)								
3	G130M-1055-FP4-LAM P1MED_+4.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=4	SPEC COM INSTR ELNOAPMAIN		10 Secs *[==>]*	 ***[1]***
	Comments: WCA/PtNe light will be used to see how the resolution of the lamp changes as we move. *ISQL is needed to bypass calibration.*								
4	G130M-1055-FP4-LAM P2LOW_+4.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=4; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		10 Secs *[==>]*	 ***[1]***
	Comments: ISQL is needed to bypass calibration.								
5	G130M-1291-FP3-LAM P2LOW_+4.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1291 A	FP-POS=3; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		8 Secs *[==>]*	 ***[1]***
6	G130M-1327-FP1-LAM P2LOW_+4.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1327 A	FP-POS=1; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		8 Secs *[==>]*	 ***[1]***
7	G160M-1577-FP4-LAM P2LOW_+4.0	WAVE	COS/FUV, TIME-TAG, WCA	G160M 1577 A	FP-POS=4; FLASH=S0011D003; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		15 Secs *[==>]*	 ***[1]***
8	G160M-1623-FP1-LAM P2LOW_+4.0	WAVE	COS/FUV, TIME-TAG, WCA	G160M 1623 A	FLASH=S0011D003; FP-POS=1; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		15 Secs *[==>]*	 ***[1]***
9	G140L-1280-FP1-LAMP 2LOW_+4.0	WAVE	COS/FUV, TIME-TAG, WCA	G140L 1280 A	FLASH=S0011D002; FP-POS=1; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		14 Secs *[==>]*	 ***[1]***
10	G140L-1105-FP4-LAMP 2LOW_+4.0	WAVE	COS/FUV, TIME-TAG, WCA	G140L 1105 A	FLASH=S0011D002; FP-POS=4; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		14 Secs *[==>]*	 ***[1]***


Orbit Structure
Orbit 1
Server Version: 20110811
Unused Visibility = 3234
Exp. 1
Exp. 2
Exp. 3
Exp. 4
Exp. 5
Exp. 6
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Exp. 8
Exp. 9
Reconfig
Exp. 10
Home
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 12677, Visit 5N, implementation Sat Sep 03 01:20:55 GMT 2011

Diagnostic Status: Warning

Scientific Instruments: COS/FUV, COS

Special Requirements: AFTER 4N BY 10 D TO 30 D

Comments: GLOBAL SOFTWARE MONITOR SHUTS DOWN FUV DETECTOR IF IN ANY SEGMENT THE NUMBER OF FEC COUNTS INTEGRATED OVER A RUNNING BOX OF 10 SEC IS 600,000.
ALL THE TOTAL COUNTS GIVEN BELOW ARE CLOSE TO A FACTOR 0F 10 OR HIGHER BELOW THIS LIMIT

THIS VISIT EXECUTES AT THE +5.0" POSITION.
ALL GRATINGS ARE USED.
G130M/1055/4 - LAMP1/MED - 10 SEC EXPOSURE - 52,800 TOTAL CTS IN FUVA & 0 TOTAL CTS IN FUV B
G130M/1055/4 - LAMP2/LOW - 10 SEC EXPOSURE - 7543 TOTAL CTS IN FUVA & 0 TOTAL CTS IN FUVB
G130M/1291/3 - LAMP2/LOW - 8 SEC EXPOSURE - 65,170 TOTAL CTS IN FUVA & 37,413 TOTAL CTS IN FUVB
G130M/1327/1 - LAMP2/LOW - 8 SEC EXPOSURE - 65,472 TOTAL CTS IN FUVA & 55,515 TOTAL CTS IN FUVB
G160M/1577/4 - LAMP2/LOW - TWO 3 SEC FLASHES SPACED BY 11 SEC - TOTAL CTS IN 10 SEC: 21,723 FUVA & 64,491 FUVB
G160M/1623/1 - LAMP2/LOW - TWO 3 SEC FLASHES SPACED BY 11 SEC - TOTAL CTS IN 10 SEC: 24,891 FUVA & 62,229 FUVB
G140L/1280/1 - LAMP2/LOW - TWO 2 SEC FLASHES SPACED BY 11 SEC - TOTAL CTS IN 10 SEC: 55,063 FUVA & 1,923 FUVB
G140L/1105/4 - LAMP2/LOW - TWO 2 SEC FLASHES SPACED BY 11 SEC - TOTAL CTS IN 10 SEC: 57,175 FUVA & 0 FUVB

Diagnostics

(Visit 5N) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

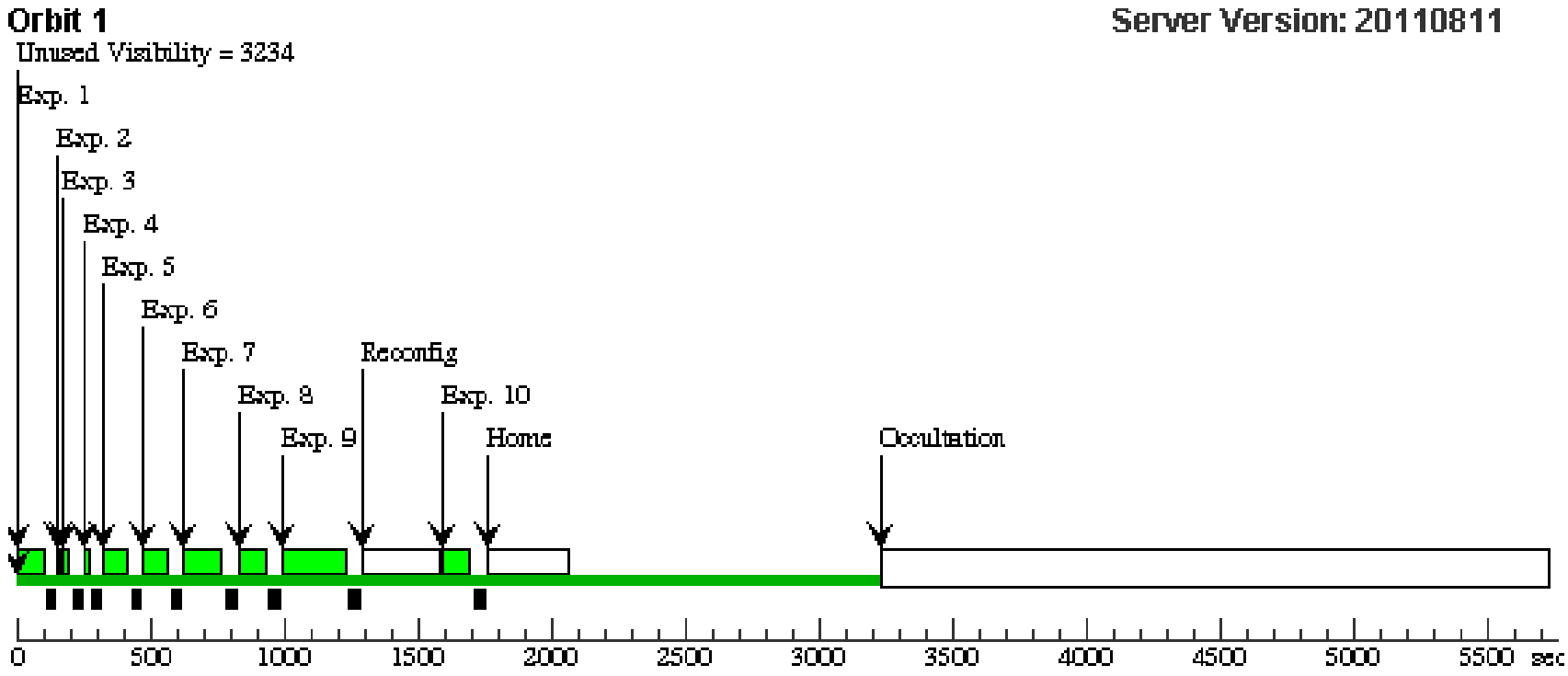
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	G130M-1055-FP4-LAM P1MED_0.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=4; FLASH=S0012D010			10 Secs *[==>]*	 ***[1]***
Comments: 10 SEC EXPOSURE AT NOMINAL POSITION, WITH NOMINAL LAMP/CURRENT SETTING LAMP ON FOR FULL 10 SEC *ISQL is needed to bypass calibration.*									
2	Ap Lifetime Position +5.0 arcsec	NONE	COS, ALIGN/APER		XAPER=-105; YAPER=0			0.0 Secs *[==>]*	 ***[1]***
Comments: Move aperture to +5.0" postarg to map FCA/PtNe light. This corresponds to displacement across dispersion of: +5.0 arcsec (105.x0.0476)									
3	G130M-1055-FP4-LAM P1MED_+5.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=4; FLASH=S0012D010	SPEC COM INSTR ELNOAPMAIN		10 Secs *[==>]*	 ***[1]***
Comments: ISQL is needed to bypass calibration.									
4	G130M-1055-FP4-LAM P2LOW_+5.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=4; CURRENT=LOW; FLASH=S0012D010	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		10 Secs *[==>]*	 ***[1]***
Comments: ISQL is needed to bypass calibration.									
5	G130M-1291-FP3-LAM P2LOW_+5.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1291 A	FP-POS=3; CURRENT=LOW; FLASH=S0010D008	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		8 Secs *[==>]*	 ***[1]***
Comments: ISQL is needed to bypass calibration.									
6	G130M-1327-FP1-LAM P2LOW_+5.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1327 A	FP-POS=1; CURRENT=LOW; FLASH=S0010D008	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		8 Secs *[==>]*	 ***[1]***
Comments: ISQL is needed to bypass calibration.									
7	G160M-1577-FP4-LAM P2LOW_+5.0	WAVE	COS/FUV, TIME-TAG, WCA	G160M 1577 A	FP-POS=4; FLASH=S0011D003; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		15 Secs *[==>]*	 ***[1]***
Comments: ISQL is needed to bypass calibration.									
8	G160M-1623-FP1-LAM P2LOW_+5.0	WAVE	COS/FUV, TIME-TAG, WCA	G160M 1623 A	FLASH=S0011D003; FP-POS=1; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		15 Secs *[==>]*	 ***[1]***
Comments: ISQL is needed to bypass calibration.									
9	G140L-1280-FP1-LAMP 2LOW_+5.0	WAVE	COS/FUV, TIME-TAG, WCA	G140L 1280 A	FLASH=S0011D002; FP-POS=1; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		14 Secs *[==>]*	 ***[1]***
Comments: ISQL is needed to bypass calibration.									

10	G140L-1105 WAVE -FP4-LAMP 2LOW_+5.0	COS/FUV, TIME-TAG, WCA	G140L 1105 A	FLASH=S0011D002 ; FP-POS=4; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2	14 Secs [==>]	[1]

Comments: ISQL is needed to bypass calibration.

Orbit Structure



Visit

Proposal 12677, Visit 6N, scheduling Sat Sep 03 01:20:56 GMT 2011

Diagnostic Status: Warning

Scientific Instruments: COS/FUV, COS

Special Requirements: AFTER 5N BY 21 D TO 30 D

Comments: GLOBAL SOFTWARE MONITOR SHUTS DOWN FUV DETECTOR IF IN ANY SEGMENT THE NUMBER OF FEC COUNTS INTEGRATED OVER A RUNNING BOX OF 10 SEC IS 600,000.
ALL THE TOTAL COUNTS GIVEN BELOW ARE CLOSE TO A FACTOR 0F 10 OR HIGHER BELOW THIS LIMIT

THIS VISIT EXECUTES AT THE +6.0" POSITION.
ALL GRATINGS ARE USED.
G130M/1055/4 - LAMP1/MED - 10 SEC EXPOSURE - 52,800 TOTAL CTS IN FUVA & 0 TOTAL CTS IN FUV B
G130M/1055/4 - LAMP2/LOW - 10 SEC EXPOSURE - 7543 TOTAL CTS IN FUVA & 0 TOTAL CTS IN FUVB
G130M/1291/3 - LAMP2/LOW - 8 SEC EXPOSURE - 65,170 TOTAL CTS IN FUVA & 37,413 TOTAL CTS IN FUVB
G130M/1327/1 - LAMP2/LOW - 8 SEC EXPOSURE - 65,472 TOTAL CTS IN FUVA & 55,515 TOTAL CTS IN FUVB
G160M/1577/4 - LAMP2/LOW - TWO 3 SEC FLASHES SPACED BY 11 SEC - TOTAL CTS IN 10 SEC: 21,723 FUVA & 64,491 FUVB
G160M/1623/1 - LAMP2/LOW - TWO 3 SEC FLASHES SPACED BY 11 SEC - TOTAL CTS IN 10 SEC: 24,891 FUVA & 62,229 FUVB
G140L/1280/1 - LAMP2/LOW - TWO 2 SEC FLASHES SPACED BY 11 SEC - TOTAL CTS IN 10 SEC: 55,063 FUVA & 1,923 FUVB
G140L/1105/4 - LAMP2/LOW - TWO 2 SEC FLASHES SPACED BY 11 SEC - TOTAL CTS IN 10 SEC: 57,175 FUVA & 0 FUVB

Diagnostics

(Visit 6N) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

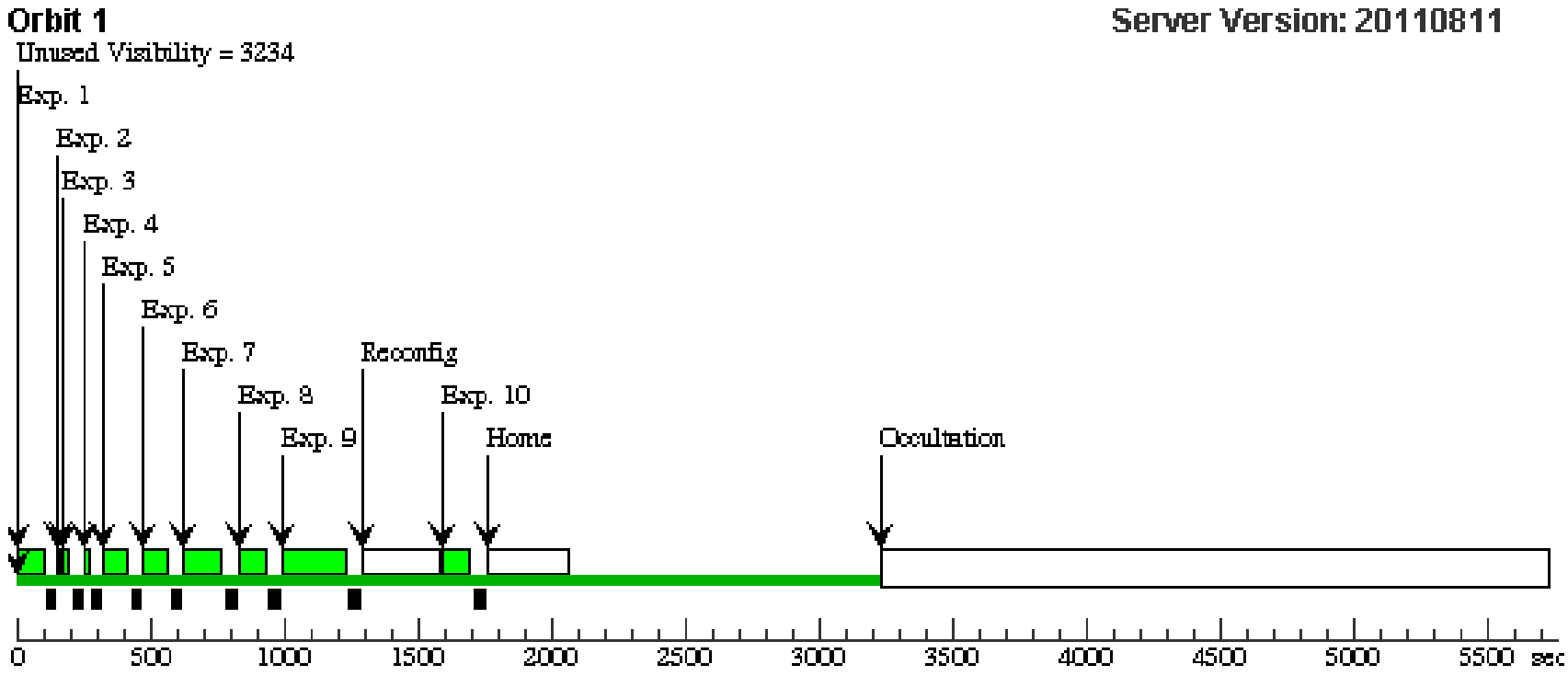
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	G130M-1055-FP4-LAM P1MED_0.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=4; FLASH=S0012D010			10 Secs *[==>]*	 ***[1]***
	Comments: 10 SEC EXPOSURE AT NOMINAL POSITION, WITH NOMINAL LAMP/CURRENT SETTING LAMP ON FOR FULL 10 SEC *ISQL is needed to bypass calibration.*								
2	Ap Lifetime Position +6.0 arcsec	NONE	COS, ALIGN/APER		XAPER=-126; YAPER=0			0.0 Secs *[==>]*	 ***[1]***
	Comments: Move aperture to +6.0" postarg to map FCA/PtNe light. This corresponds to displacement across dispersion of: +6.0 arcsec (126x0.0476)								
3	G130M-1055-FP4-LAM P1MED_+6.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=4; FLASH=S0012D010	SPEC COM INSTR ELNOAPMAIN		10 Secs *[==>]*	 ***[1]***
	Comments: ISQL is needed to bypass calibration.								
4	G130M-1055-FP4-LAM P2LOW_+6.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=4; CURRENT=LOW; FLASH=S0012D010	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		10 Secs *[==>]*	 ***[1]***
	Comments: ISQL is needed to bypass calibration.								
5	G130M-1291-FP3-LAM P2LOW_+6.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1291 A	FP-POS=3; CURRENT=LOW; FLASH=S0010D008	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		8 Secs *[==>]*	 ***[1]***
	Comments: ISQL is needed to bypass calibration.								
6	G130M-1327-FP1-LAM P2LOW_+6.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1327 A	FP-POS=1; CURRENT=LOW; FLASH=S0010D008	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		8 Secs *[==>]*	 ***[1]***
	Comments: ISQL is needed to bypass calibration.								
7	G160M-1577-FP4-LAM P2LOW_+6.0	WAVE	COS/FUV, TIME-TAG, WCA	G160M 1577 A	FP-POS=4; FLASH=S0011D003; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		15 Secs *[==>]*	 ***[1]***
	Comments: ISQL is needed to bypass calibration.								
8	G160M-1623-FP1-LAM P2LOW_+6.0	WAVE	COS/FUV, TIME-TAG, WCA	G160M 1623 A	FLASH=S0011D003; FP-POS=1; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		15 Secs *[==>]*	 ***[1]***
	Comments: ISQL is needed to bypass calibration.								
9	G140L-1280-FP1-LAMP 2LOW_+6.0	WAVE	COS/FUV, TIME-TAG, WCA	G140L 1280 A	FLASH=S0011D002; FP-POS=1; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		14 Secs *[==>]*	 ***[1]***
	Comments: ISQL is needed to bypass calibration.								

10	G140L-1105 WAVE -FP4-LAMP 2LOW_+6.0	COS/FUV, TIME-TAG, WCA	G140L 1105 A	FLASH=S0011D002 ; FP-POS=4; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2	14 Secs [==>]	[1]

Comments: ISQL is needed to bypass calibration.

Orbit Structure



Proposal 12677 - Visit 1S - COS/FUV Mapping of Stray PtNe Lamp Light Through FCA

Visit

Proposal 12677, Visit 1S, completed Sat Sep 03 01:20:56 GMT 2011

Diagnostic Status: Warning

Scientific Instruments: COS/FUV, COS

Special Requirements: (none)

Comments: GLOBAL SOFTWARE MONITOR SHUTS DOWN FUV DETECTOR IF IN ANY SEGMENT THE NUMBER OF FEC COUNTS INTEGRATED OVER A RUNNING BOX OF 10 SEC IS 600,000.
ALL THE TOTAL COUNTS GIVEN BELOW ARE CLOSE TO A FACTOR 0F 10 OR HIGHER BELOW THIS LIMIT

THIS VISIT EXECUTES AT THE -1.0" POSITION.
ALL GRATINGS ARE USED.
G130M/1055/4 - LAMP1/MED - 10 SEC EXPOSURE - 52,800 TOTAL CTS IN FUVA & 0 TOTAL CTS IN FUV B
G130M/1055/4 - LAMP2/LOW - 10 SEC EXPOSURE - 7543 TOTAL CTS IN FUVA & 0 TOTAL CTS IN FUVB
G130M/1291/3 - LAMP2/LOW - 8 SEC EXPOSURE - 65,170 TOTAL CTS IN FUVA & 37,413 TOTAL CTS IN FUVB
G130M/1327/1 - LAMP2/LOW - 8 SEC EXPOSURE - 65,472 TOTAL CTS IN FUVA & 55,515 TOTAL CTS IN FUVB
G160M/1577/4 - LAMP2/LOW - TWO 3 SEC FLASHES SPACED BY 11 SEC - TOTAL CTS IN 10 SEC: 21,723 FUVA & 64,491 FUVB
G160M/1623/1 - LAMP2/LOW - TWO 3 SEC FLASHES SPACED BY 11 SEC - TOTAL CTS IN 10 SEC: 24,891 FUVA & 62,229 FUVB
G140L/1280/1 - LAMP2/LOW - TWO 2 SEC FLASHES SPACED BY 11 SEC - TOTAL CTS IN 10 SEC: 55,063 FUVA & 1,923 FUVB
G140L/1105/4 - LAMP2/LOW - TWO 2 SEC FLASHES SPACED BY 11 SEC - TOTAL CTS IN 10 SEC: 57,175 FUVA & 0 FUVB

Diagnostics

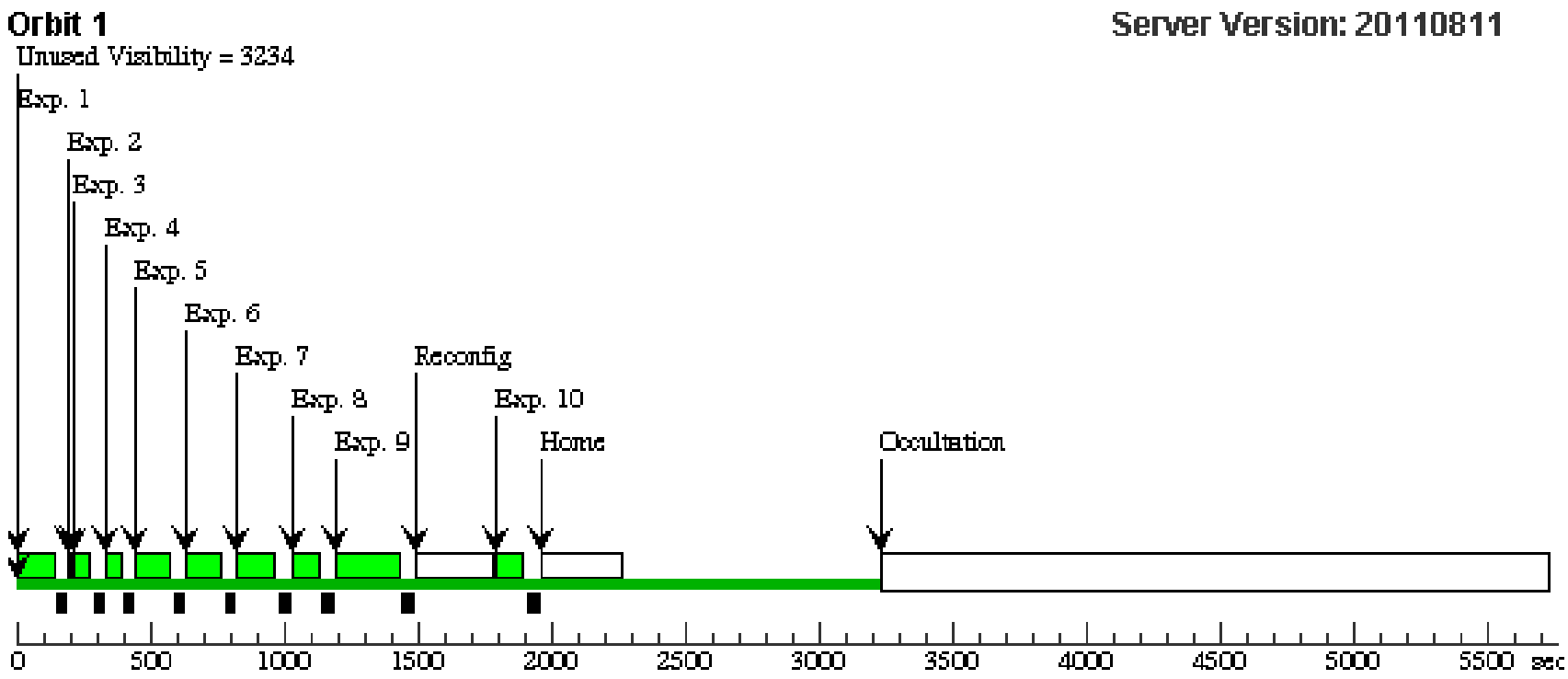
(Visit 1S) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	G130M-1055-FP4-LAM P1MED_0.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=4			10 Secs *[==>]*	***[1]***
	Comments: 10 SEC EXPOSURE AT NOMINAL POSITION, WITH NOMINAL LAMP/CURRENT SETTING LAMP ON FOR FULL 10 SEC NO SPECIAL FLASH COMMANDS USED. *ISQL is needed to bypass calibration.*								
2	Ap Lifetime Position -1.0 arcsec	NONE	COS, ALIGN/APER		XAPER=+21; YAPER=0			0.0 Secs *[==>]*	***[1]***
	Comments: Move aperture to -1.0" postarg to map FCA/PtNe light. This corresponds to displacement across dispersion of: -1.0 arcsec (21.x0.0476)								
3	G130M-1055-FP4-LAM P1MED_-1.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=4	SPEC COM INSTR ELNOAPMAIN		10 Secs *[==>]*	***[1]***
	Comments: LAMP ON FOR 10 SEC NO SPECIAL FLASH COMMANDS USED LAMP1 MEDIUM CURRENT USED. *ISQL is needed to bypass calibration.*								
4	G130M-1055-FP4-LAM P2LOW_-1.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=4; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		10 Secs *[==>]*	***[1]***
	Comments: LAMP ON FOR 10 SEC NO SPECIAL FLASH COMMANDS USED LAMP2 LOW CURRENT USED. *ISQL is needed to bypass calibration.*								
5	G130M-1291-FP3-LAM P2LOW_-1.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1291 A	FP-POS=3; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		8 Secs *[==>]*	***[1]***
	Comments: LAMP ON FOR 8 SEC NO SPECIAL FLASH COMMANDS USED LAMP2 LOW CURRENT USED								
6	G130M-1327-FP1-LAM P2LOW_-1.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1327 A	FP-POS=1; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		8 Secs *[==>]*	***[1]***
	Comments: LAMP ON FOR 8 SEC NO SPECIAL FLASH COMMANDS USED LAMP2 LOW CURRENT USED								
7	G160M-1577-FP4-LAM P2LOW_-1.0	WAVE	COS/FUV, TIME-TAG, WCA	G160M 1577 A	FP-POS=4; FLASH=S0011D003; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		15 Secs *[==>]*	***[1]***
	Comments: TWO 3 SEC FLASHES SEPARATED BY 11 SEC ARE USED LAMP2 LOW CURRENT USED								
8	G160M-1623-FP1-LAM P2LOW_-1.0	WAVE	COS/FUV, TIME-TAG, WCA	G160M 1623 A	FLASH=S0011D003; FP-POS=1; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		15 Secs *[==>]*	***[1]***
	Comments: TWO 3 SEC FLASHES SEPARATED BY 11 SEC ARE USED LAMP2 LOW CURRENT USED								

9	G140L-1280 WAVE -FP1-LAMP 2LOW_-1.0	COS/FUV, TIME-TAG, WCA	G140L 1280 A	FLASH=S0011D002 ; FP-POS=1; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2	14 Secs [==>]	[1]
	Comments: TWO 3 SEC FLASHES SEPARATED BY 11 SEC ARE USED LAMP2 LOW CURRENT USED						
10	G140L-1105 WAVE -FP4-LAMP 2LOW_-1.0	COS/FUV, TIME-TAG, WCA	G140L 1105 A	FLASH=S0011D002 ; FP-POS=4; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2	14 Secs [==>]	[1]
	Comments: TWO 2 SEC FLASHES SEPARATED BY 11 SEC ARE USED LAMP2 LOW CURRENT USED						

Orbit Structure



Visit

Proposal 12677, Visit 2S, completed Sat Sep 03 01:20:57 GMT 2011

Diagnostic Status: Warning

Scientific Instruments: COS/FUV, COS

Special Requirements: AFTER 1S BY 1 S TO 30 D

Comments: GLOBAL SOFTWARE MONITOR SHUTS DOWN FUV DETECTOR IF IN ANY SEGMENT THE NUMBER OF FEC COUNTS INTEGRATED OVER A RUNNING BOX OF 10 SEC IS 600,000.
ALL THE TOTAL COUNTS GIVEN BELOW ARE CLOSE TO A FACTOR 0F 10 OR HIGHER BELOW THIS LIMIT

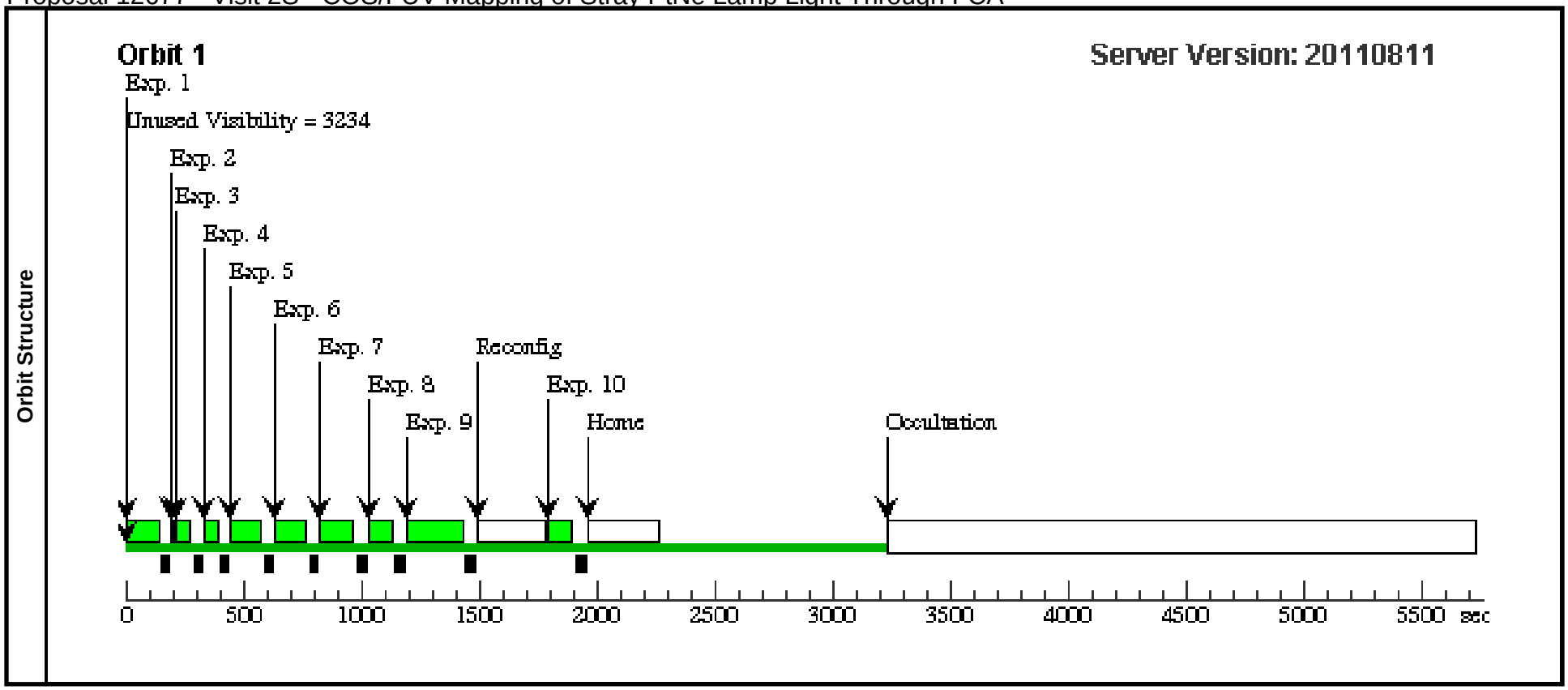
THIS VISIT EXECUTES AT THE -2.0" POSITION.
ALL GRATINGS ARE USED.
G130M/1055/4 - LAMP1/MED - 10 SEC EXPOSURE - 52,800 TOTAL CTS IN FUVA & 0 TOTAL CTS IN FUV B
G130M/1055/4 - LAMP2/LOW - 10 SEC EXPOSURE - 7543 TOTAL CTS IN FUVA & 0 TOTAL CTS IN FUVB
G130M/1291/3 - LAMP2/LOW - 8 SEC EXPOSURE - 65,170 TOTAL CTS IN FUVA & 37,413 TOTAL CTS IN FUVB
G130M/1327/1 - LAMP2/LOW - 8 SEC EXPOSURE - 65,472 TOTAL CTS IN FUVA & 55,515 TOTAL CTS IN FUVB
G160M/1577/4 - LAMP2/LOW - TWO 3 SEC FLASHES SPACED BY 11 SEC - TOTAL CTS IN 10 SEC: 21,723 FUVA & 64,491 FUVB
G160M/1623/1 - LAMP2/LOW - TWO 3 SEC FLASHES SPACED BY 11 SEC - TOTAL CTS IN 10 SEC: 24,891 FUVA & 62,229 FUVB
G140L/1280/1 - LAMP2/LOW - TWO 2 SEC FLASHES SPACED BY 11 SEC - TOTAL CTS IN 10 SEC: 55,063 FUVA & 1,923 FUVB
G140L/1105/4 - LAMP2/LOW - TWO 2 SEC FLASHES SPACED BY 11 SEC - TOTAL CTS IN 10 SEC: 57,175 FUVA & 0 FUVB

Diagnostics

(Visit 2S) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	G130M-1055-FP4-LAM P1MED_0.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=4			10 Secs *[==>]*	 ***[1]***
Comments: 10 SEC EXPOSURE AT NOMINAL POSITION, WITH NOMINAL LAMP/CURRENT SETTING LAMP ON FOR FULL 10 SEC NO SPECIAL FLASH COMMANDS USED. *ISQL is needed to bypass calibration.*									
2	Ap Lifetime Position -2.0 arcsec	NONE	COS, ALIGN/APER		XAPER=+42; YAPER=0			0.0 Secs *[==>]*	 ***[1]***
Comments: Move aperture to -2.0" postarg to map FCA/PtNe light. This corresponds to displacement across dispersion of: -2.0 arcsec (42.x0.0476)									
3	G130M-1055-FP4-LAM P1MED_-2.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=4	SPEC COM INSTR ELNOAPMAIN		10 Secs *[==>]*	 ***[1]***
Comments: ISQL is needed to bypass calibration.									
4	G130M-1055-FP4-LAM P2LOW_-2.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=4; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		10 Secs *[==>]*	 ***[1]***
Comments: ISQL is needed to bypass calibration.									
5	G130M-1291-FP3-LAM P2LOW_-2.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1291 A	FP-POS=3; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		8 Secs *[==>]*	 ***[1]***
6	G130M-1327-FP1-LAM P2LOW_-2.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1327 A	FP-POS=1; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		8 Secs *[==>]*	 ***[1]***
7	G160M-1577-FP4-LAM P2LOW_-2.0	WAVE	COS/FUV, TIME-TAG, WCA	G160M 1577 A	FP-POS=4; FLASH=S0011D003; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		15 Secs *[==>]*	 ***[1]***
8	G160M-1623-FP1-LAM P2LOW_-2.0	WAVE	COS/FUV, TIME-TAG, WCA	G160M 1623 A	FLASH=S0011D003; FP-POS=1; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		15 Secs *[==>]*	 ***[1]***
9	G140L-1280-FP1-LAMP 2LOW_-2.0	WAVE	COS/FUV, TIME-TAG, WCA	G140L 1280 A	FLASH=S0011D002; FP-POS=1; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		14 Secs *[==>]*	 ***[1]***
10	G140L-1105-FP4-LAMP 2LOW_-2.0	WAVE	COS/FUV, TIME-TAG, WCA	G140L 1105 A	FLASH=S0011D002; FP-POS=4; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		14 Secs *[==>]*	 ***[1]***


Orbit Structure
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Server Version: 20110811
Exp. 1
Unused Visibility = 3234
Exp. 2
Exp. 3
Exp. 4
Exp. 5
Exp. 6
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Exp. 9
Reconfig
Exp. 10
Home
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 12677, Visit 3S, completed Sat Sep 03 01:20:57 GMT 2011

Diagnostic Status: Warning

Scientific Instruments: COS/FUV, COS

Special Requirements: AFTER 2S BY 1 S TO 30 D

Comments: GLOBAL SOFTWARE MONITOR SHUTS DOWN FUV DETECTOR IF IN ANY SEGMENT THE NUMBER OF FEC COUNTS INTEGRATED OVER A RUNNING BOX OF 10 SEC IS 600,000.
ALL THE TOTAL COUNTS GIVEN BELOW ARE CLOSE TO A FACTOR 0F 10 OR HIGHER BELOW THIS LIMIT

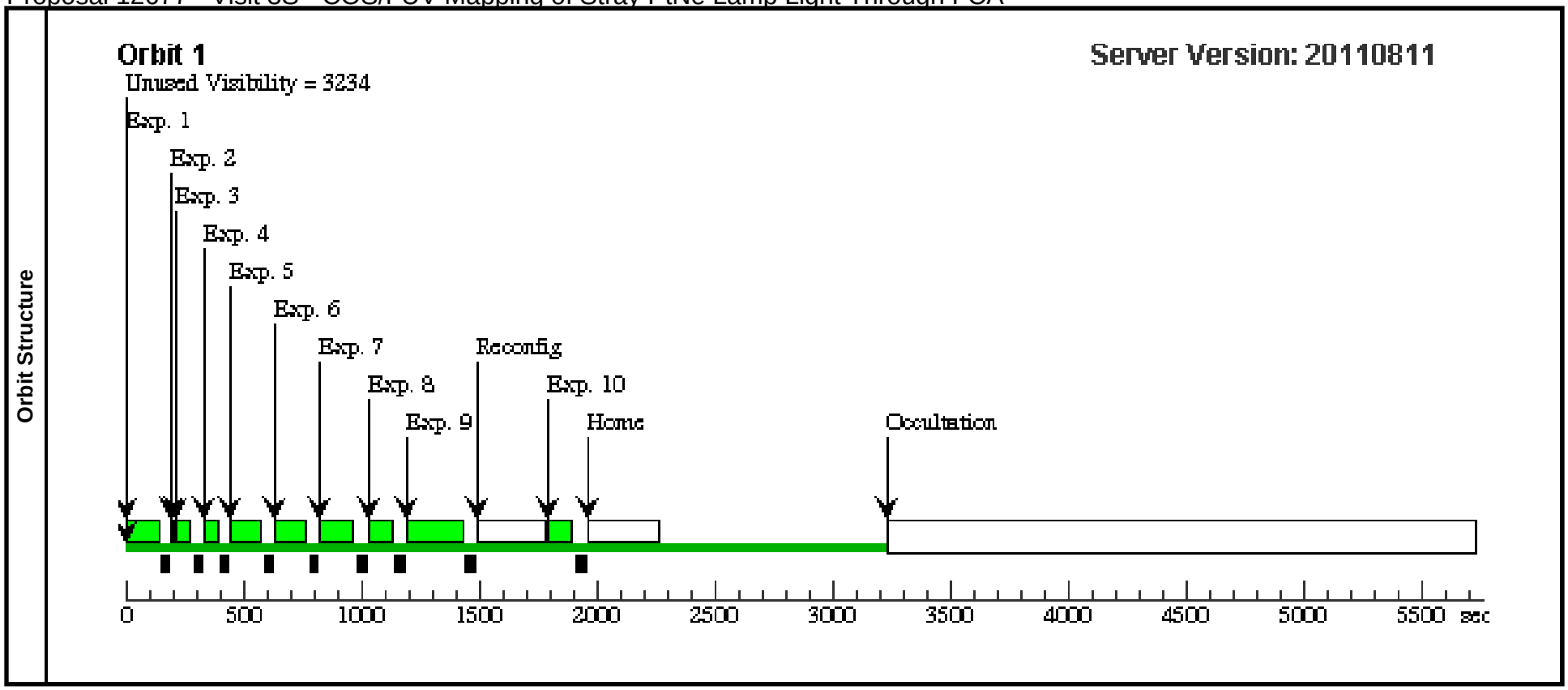
THIS VISIT EXECUTES AT THE -3.0" POSITION.
ALL GRATINGS ARE USED.
G130M/1055/4 - LAMP1/MED - 10 SEC EXPOSURE - 52,800 TOTAL CTS IN FUVA & 0 TOTAL CTS IN FUV B
G130M/1055/4 - LAMP2/LOW - 10 SEC EXPOSURE - 7543 TOTAL CTS IN FUVA & 0 TOTAL CTS IN FUVB
G130M/1291/3 - LAMP2/LOW - 8 SEC EXPOSURE - 65,170 TOTAL CTS IN FUVA & 37,413 TOTAL CTS IN FUVB
G130M/1327/1 - LAMP2/LOW - 8 SEC EXPOSURE - 65,472 TOTAL CTS IN FUVA & 55,515 TOTAL CTS IN FUVB
G160M/1577/4 - LAMP2/LOW - TWO 3 SEC FLASHES SPACED BY 11 SEC - TOTAL CTS IN 10 SEC: 21,723 FUVA & 64,491 FUVB
G160M/1623/1 - LAMP2/LOW - TWO 3 SEC FLASHES SPACED BY 11 SEC - TOTAL CTS IN 10 SEC: 24,891 FUVA & 62,229 FUVB
G140L/1280/1 - LAMP2/LOW - TWO 2 SEC FLASHES SPACED BY 11 SEC - TOTAL CTS IN 10 SEC: 55,063 FUVA & 1,923 FUVB
G140L/1105/4 - LAMP2/LOW - TWO 2 SEC FLASHES SPACED BY 11 SEC - TOTAL CTS IN 10 SEC: 57,175 FUVA & 0 FUVB

Diagnostics

(Visit 3S) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	G130M-1055-FP4-LAM P1MED_0.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=4			10 Secs *[==>]*	 ***[1]***
	Comments: 10 SEC EXPOSURE AT NOMINAL POSITION, WITH NOMINAL LAMP/CURRENT SETTING LAMP ON FOR FULL 10 SEC NO SPECIAL FLASH COMMANDS USED. *ISQL is needed to bypass calibration.*								
2	Ap Lifetime Position -3.0 arcsec	NONE	COS, ALIGN/APER		XAPER=+63; YAPER=0			0.0 Secs *[==>]*	 ***[1]***
	Comments: Move aperture to -3.0" postarg to map FCA/PtNe light. This corresponds to displacement across dispersion of: -3.0 arcsec (63.x0.0476)								
3	G130M-1055-FP4-LAM P1MED_-3.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=4	SPEC COM INSTR ELNOAPMAIN		10 Secs *[==>]*	 ***[1]***
	Comments: ISQL is needed to bypass calibration.								
4	G130M-1055-FP4-LAM P2LOW_-3.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=4; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		10 Secs *[==>]*	 ***[1]***
	Comments: ISQL is needed to bypass calibration.								
5	G130M-1291-FP3-LAM P2LOW_-3.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1291 A	FP-POS=3; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		8 Secs *[==>]*	 ***[1]***
6	G130M-1327-FP1-LAM P2LOW_-3.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1327 A	FP-POS=1; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		8 Secs *[==>]*	 ***[1]***
7	G160M-1577-FP4-LAM P2LOW_-3.0	WAVE	COS/FUV, TIME-TAG, WCA	G160M 1577 A	FP-POS=4; FLASH=S0011D003; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		15 Secs *[==>]*	 ***[1]***
8	G160M-1623-FP1-LAM P2LOW_-3.0	WAVE	COS/FUV, TIME-TAG, WCA	G160M 1623 A	FLASH=S0011D003; FP-POS=1; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		15 Secs *[==>]*	 ***[1]***
9	G140L-1280-FP1-LAMP 2LOW_-3.0	WAVE	COS/FUV, TIME-TAG, WCA	G140L 1280 A	FLASH=S0011D002; FP-POS=1; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		14 Secs *[==>]*	 ***[1]***
10	G140L-1105-FP4-LAMP 2LOW_-3.0	WAVE	COS/FUV, TIME-TAG, WCA	G140L 1105 A	FLASH=S0011D002; FP-POS=4; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		14 Secs *[==>]*	 ***[1]***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Server Version: 20110811
Unused Visibility = 3234
Exp. 1
Exp. 2
Exp. 3
Exp. 4
Exp. 5
Exp. 6
Exp. 7
Exp. 8
Exp. 9
Reconfig
Exp. 10
Home
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Proposal 12677 - Visit 4S - COS/FUV Mapping of Stray PtNe Lamp Light Through FCA

Visit

Proposal 12677, Visit 4S, scheduled Sat Sep 03 01:20:58 GMT 2011

Diagnostic Status: Warning

Scientific Instruments: COS/FUV, COS

Special Requirements: AFTER 3S BY 2 D TO 30 D

Comments: GLOBAL SOFTWARE MONITOR SHUTS DOWN FUV DETECTOR IF IN ANY SEGMENT THE NUMBER OF FEC COUNTS INTEGRATED OVER A RUNNING BOX OF 10 SEC IS 600,000.
ALL THE TOTAL COUNTS GIVEN BELOW ARE CLOSE TO A FACTOR 0F 10 OR HIGHER BELOW THIS LIMIT

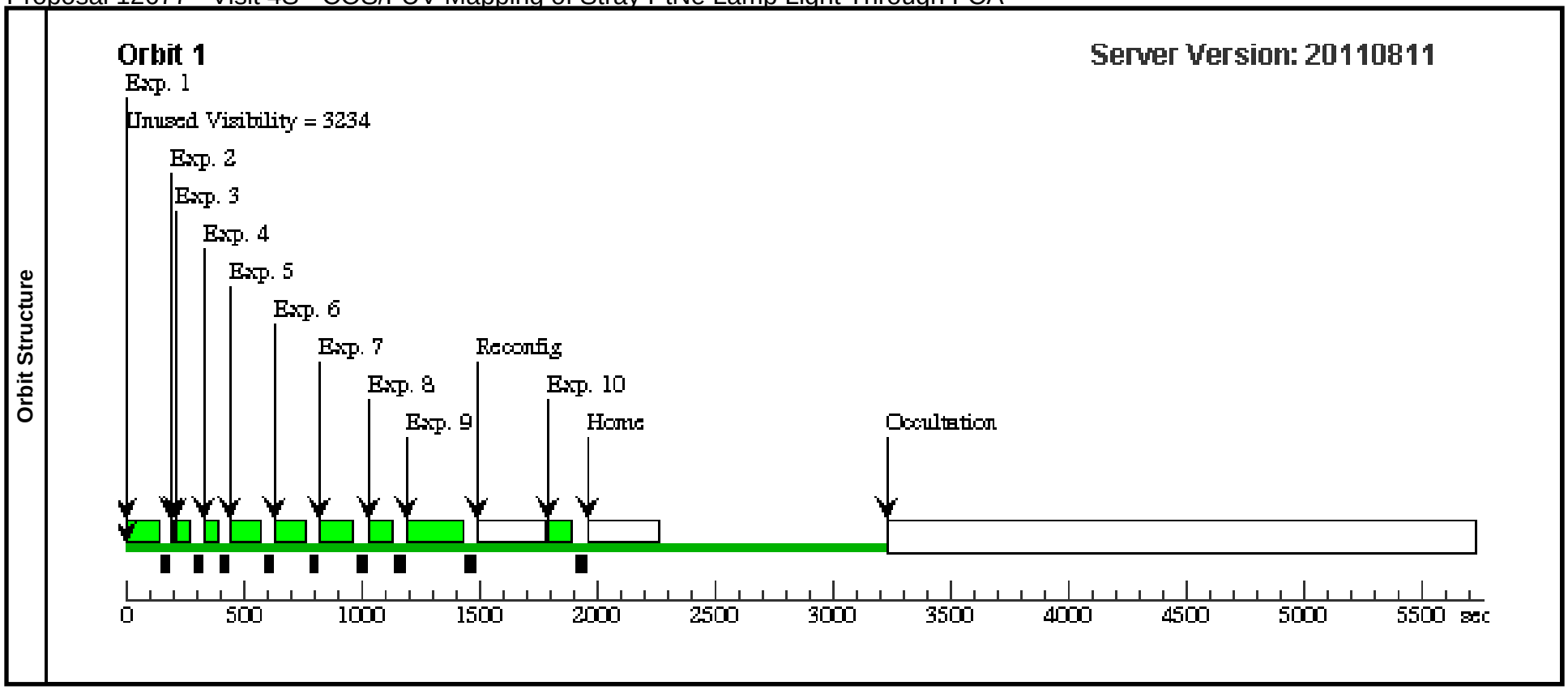
THIS VISIT EXECUTES AT THE +4.0" POSITION.
ALL GRATINGS ARE USED.
G130M/1055/4 - LAMP1/MED - 10 SEC EXPOSURE - 52,800 TOTAL CTS IN FUVA & 0 TOTAL CTS IN FUV B
G130M/1055/4 - LAMP2/LOW - 10 SEC EXPOSURE - 7543 TOTAL CTS IN FUVA & 0 TOTAL CTS IN FUVB
G130M/1291/3 - LAMP2/LOW - 8 SEC EXPOSURE - 65,170 TOTAL CTS IN FUVA & 37,413 TOTAL CTS IN FUVB
G130M/1327/1 - LAMP2/LOW - 8 SEC EXPOSURE - 65,472 TOTAL CTS IN FUVA & 55,515 TOTAL CTS IN FUVB
G160M/1577/4 - LAMP2/LOW - TWO 3 SEC FLASHES SPACED BY 11 SEC - TOTAL CTS IN 10 SEC: 21,723 FUVA & 64,491 FUVB
G160M/1623/1 - LAMP2/LOW - TWO 3 SEC FLASHES SPACED BY 11 SEC - TOTAL CTS IN 10 SEC: 24,891 FUVA & 62,229 FUVB
G140L/1280/1 - LAMP2/LOW - TWO 2 SEC FLASHES SPACED BY 11 SEC - TOTAL CTS IN 10 SEC: 55,063 FUVA & 1,923 FUVB
G140L/1105/4 - LAMP2/LOW - TWO 2 SEC FLASHES SPACED BY 11 SEC - TOTAL CTS IN 10 SEC: 57,175 FUVA & 0 FUVB

Diagnostics

(Visit 4S) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	G130M-1055-FP4-LAM P1MED_0.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=4			10 Secs *[==>]*	 ***[1]***
	Comments: 10 SEC EXPOSURE AT NOMINAL POSITION, WITH NOMINAL LAMP/CURRENT SETTING LAMP ON FOR FULL 10 SEC NO SPECIAL FLASH COMMANDS USED. *ISQL is needed to bypass calibration.*								
2	Ap Lifetime Position -4.0 arcsec	NONE	COS, ALIGN/APER		XAPER=+84; YAPER=0			0.0 Secs *[==>]*	 ***[1]***
	Comments: Move aperture to -4.0" postarg to map FCA/PtNe light. This corresponds to displacement across dispersion of: -4.0 arcsec (84.x0.0476)								
3	G130M-1055-FP4-LAM P1MED_-4.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=4	SPEC COM INSTR ELNOAPMAIN		10 Secs *[==>]*	 ***[1]***
	Comments: ISQL is needed to bypass calibration.								
4	G130M-1055-FP4-LAM P2LOW_-4.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=4; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		10 Secs *[==>]*	 ***[1]***
	Comments: ISQL is needed to bypass calibration.								
5	G130M-1291-FP3-LAM P2LOW_-4.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1291 A	FP-POS=3; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		8 Secs *[==>]*	 ***[1]***
6	G130M-1327-FP1-LAM P2LOW_-4.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1327 A	FP-POS=1; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		8 Secs *[==>]*	 ***[1]***
7	G160M-1577-FP4-LAM P2LOW_-4.0	WAVE	COS/FUV, TIME-TAG, WCA	G160M 1577 A	FP-POS=4; FLASH=S0011D003; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		15 Secs *[==>]*	 ***[1]***
8	G160M-1623-FP1-LAM P2LOW_-4.0	WAVE	COS/FUV, TIME-TAG, WCA	G160M 1623 A	FLASH=S0011D003; FP-POS=1; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		15 Secs *[==>]*	 ***[1]***
9	G140L-1280-FP1-LAMP 2LOW_-4.0	WAVE	COS/FUV, TIME-TAG, WCA	G140L 1280 A	FLASH=S0011D002; FP-POS=1; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		14 Secs *[==>]*	 ***[1]***
10	G140L-1105-FP4-LAMP 2LOW_-4.0	WAVE	COS/FUV, TIME-TAG, WCA	G140L 1105 A	FLASH=S0011D002; FP-POS=4; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		14 Secs *[==>]*	 ***[1]***


Orbit Structure
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Server Version: 20110811
Exp. 1
Unused Visibility = 3234
Exp. 2
Exp. 3
Exp. 4
Exp. 5
Exp. 6
Exp. 7
Exp. 8
Exp. 9
Reconfig
Exp. 10
Home
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 12677, Visit 5S, implementation Sat Sep 03 01:20:58 GMT 2011

Diagnostic Status: Warning

Scientific Instruments: COS/FUV, COS

Special Requirements: AFTER 4S BY 10 D TO 30 D

Comments: GLOBAL SOFTWARE MONITOR SHUTS DOWN FUV DETECTOR IF IN ANY SEGMENT THE NUMBER OF FEC COUNTS INTEGRATED OVER A RUNNING BOX OF 10 SEC IS 600,000.
ALL THE TOTAL COUNTS GIVEN BELOW ARE CLOSE TO A FACTOR 0F 10 OR HIGHER BELOW THIS LIMIT

THIS VISIT EXECUTES AT THE -5.0" POSITION.
ALL GRATINGS ARE USED.
G130M/1055/4 - LAMP1/MED - 10 SEC EXPOSURE - 52,800 TOTAL CTS IN FUVA & 0 TOTAL CTS IN FUV B
G130M/1055/4 - LAMP2/LOW - 10 SEC EXPOSURE - 7543 TOTAL CTS IN FUVA & 0 TOTAL CTS IN FUVB
G130M/1291/3 - LAMP2/LOW - 8 SEC EXPOSURE - 65,170 TOTAL CTS IN FUVA & 37,413 TOTAL CTS IN FUVB
G130M/1327/1 - LAMP2/LOW - 8 SEC EXPOSURE - 65,472 TOTAL CTS IN FUVA & 55,515 TOTAL CTS IN FUVB
G160M/1577/4 - LAMP2/LOW - TWO 3 SEC FLASHES SPACED BY 11 SEC - TOTAL CTS IN 10 SEC: 21,723 FUVA & 64,491 FUVB
G160M/1623/1 - LAMP2/LOW - TWO 3 SEC FLASHES SPACED BY 11 SEC - TOTAL CTS IN 10 SEC: 24,891 FUVA & 62,229 FUVB
G140L/1280/1 - LAMP2/LOW - TWO 2 SEC FLASHES SPACED BY 11 SEC - TOTAL CTS IN 10 SEC: 55,063 FUVA & 1,923 FUVB
G140L/1105/4 - LAMP2/LOW - TWO 2 SEC FLASHES SPACED BY 11 SEC - TOTAL CTS IN 10 SEC: 57,175 FUVA & 0 FUVB

Diagnostics

(Visit 5S) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

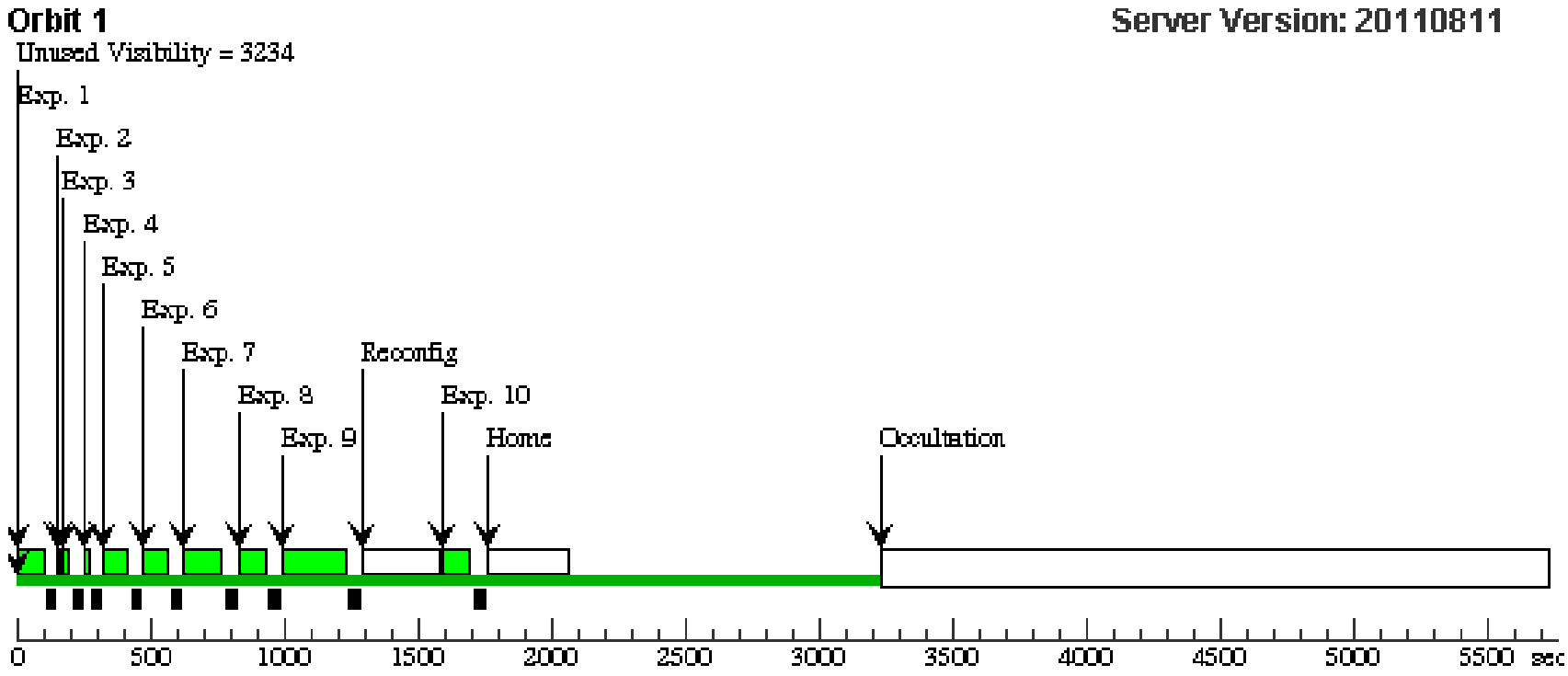
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	G130M-1055-FP4-LAM P1MED_0.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=4; FLASH=S0012D010			10 Secs *[==>]*	 ***[1]***
	Comments: 10 SEC EXPOSURE AT NOMINAL POSITION, WITH NOMINAL LAMP/CURRENT SETTING LAMP ON FOR FULL 10 SEC *ISQL is needed to bypass calibration.*								
2	Ap Lifetime Position -5.0 arcsec	NONE	COS, ALIGN/APER		XAPER=+105; YAPER=0			0.0 Secs *[==>]*	 ***[1]***
	Comments: Move aperture to -5.0" postarg to map FCA/PtNe light. This corresponds to displacement across dispersion of: -5.0 arcsec (105.x0.0476)								
3	G130M-1055-FP4-LAM P1MED_-5.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=4; FLASH=S0012D010	SPEC COM INSTR ELNOAPMAIN		10 Secs *[==>]*	 ***[1]***
	Comments: ISQL is needed to bypass calibration.								
4	G130M-1055-FP4-LAM P2LOW_-5.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=4; CURRENT=LOW; FLASH=S0012D010	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		10 Secs *[==>]*	 ***[1]***
	Comments: ISQL is needed to bypass calibration.								
5	G130M-1291-FP3-LAM P2LOW_-5.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1291 A	FP-POS=3; CURRENT=LOW; FLASH=S0010D008	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		8 Secs *[==>]*	 ***[1]***
	Comments: ISQL is needed to bypass calibration.								
6	G130M-1327-FP1-LAM P2LOW_-5.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1327 A	FP-POS=1; CURRENT=LOW; FLASH=S0010D008	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		8 Secs *[==>]*	 ***[1]***
	Comments: ISQL is needed to bypass calibration.								
7	G160M-1577-FP4-LAM P2LOW_-5.0	WAVE	COS/FUV, TIME-TAG, WCA	G160M 1577 A	FP-POS=4; FLASH=S0011D003; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		15 Secs *[==>]*	 ***[1]***
	Comments: ISQL is needed to bypass calibration.								
8	G160M-1623-FP1-LAM P2LOW_-5.0	WAVE	COS/FUV, TIME-TAG, WCA	G160M 1623 A	FLASH=S0011D003; FP-POS=1; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		15 Secs *[==>]*	 ***[1]***
	Comments: ISQL is needed to bypass calibration.								
9	G140L-1280-FP1-LAMP 2LOW_-5.0	WAVE	COS/FUV, TIME-TAG, WCA	G140L 1280 A	FLASH=S0011D002; FP-POS=1; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		14 Secs *[==>]*	 ***[1]***
	Comments: ISQL is needed to bypass calibration.								

10	G140L-1105 WAVE -FP4-LAMP 2LOW_-5.0	COS/FUV, TIME-TAG, WCA	G140L 1105 A	FLASH=S0011D002 ; FP-POS=4; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2	14 Secs [==>]	[1]

Comments: ISQL is needed to bypass calibration.

Orbit Structure



Visit

Proposal 12677, Visit 6S, scheduling Sat Sep 03 01:20:59 GMT 2011

Diagnostic Status: Warning

Scientific Instruments: COS/FUV, COS

Special Requirements: AFTER 5S BY 21 D TO 30 D

Comments: GLOBAL SOFTWARE MONITOR SHUTS DOWN FUV DETECTOR IF IN ANY SEGMENT THE NUMBER OF FEC COUNTS INTEGRATED OVER A RUNNING BOX OF 10 SEC IS 600,000.
ALL THE TOTAL COUNTS GIVEN BELOW ARE CLOSE TO A FACTOR 0F 10 OR HIGHER BELOW THIS LIMIT

THIS VISIT EXECUTES AT THE -6.0" POSITION.
ALL GRATINGS ARE USED.
G130M/1055/4 - LAMP1/MED - 10 SEC EXPOSURE - 52,800 TOTAL CTS IN FUVA & 0 TOTAL CTS IN FUV B
G130M/1055/4 - LAMP2/LOW - 10 SEC EXPOSURE - 7543 TOTAL CTS IN FUVA & 0 TOTAL CTS IN FUVB
G130M/1291/3 - LAMP2/LOW - 8 SEC EXPOSURE - 65,170 TOTAL CTS IN FUVA & 37,413 TOTAL CTS IN FUVB
G130M/1327/1 - LAMP2/LOW - 8 SEC EXPOSURE - 65,472 TOTAL CTS IN FUVA & 55,515 TOTAL CTS IN FUVB
G160M/1577/4 - LAMP2/LOW - TWO 3 SEC FLASHES SPACED BY 11 SEC - TOTAL CTS IN 10 SEC: 21,723 FUVA & 64,491 FUVB
G160M/1623/1 - LAMP2/LOW - TWO 3 SEC FLASHES SPACED BY 11 SEC - TOTAL CTS IN 10 SEC: 24,891 FUVA & 62,229 FUVB
G140L/1280/1 - LAMP2/LOW - TWO 2 SEC FLASHES SPACED BY 11 SEC - TOTAL CTS IN 10 SEC: 55,063 FUVA & 1,923 FUVB
G140L/1105/4 - LAMP2/LOW - TWO 2 SEC FLASHES SPACED BY 11 SEC - TOTAL CTS IN 10 SEC: 57,175 FUVA & 0 FUVB

Diagnostics

(Visit 6S) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

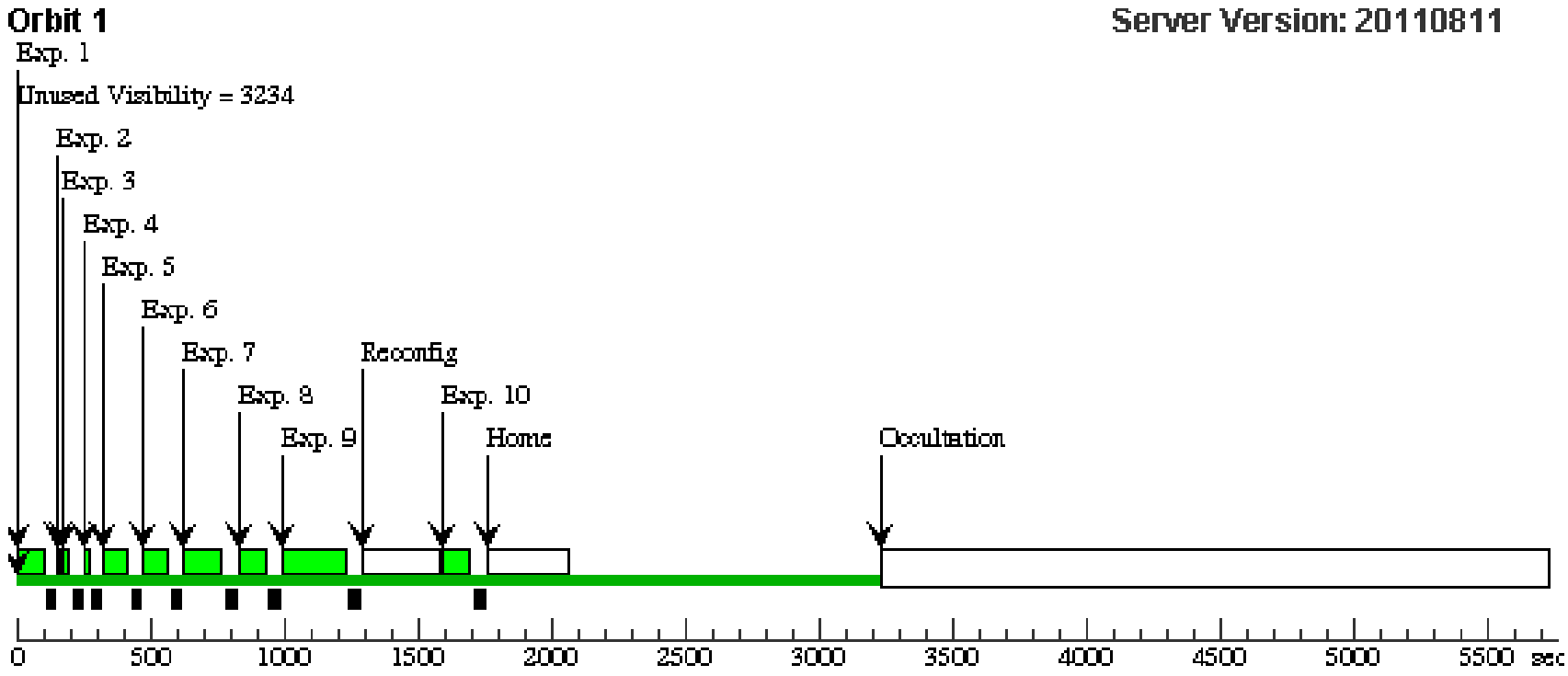
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	G130M-1055-FP4-LAM P1MED_0.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=4; FLASH=S0012D010			10 Secs *[==>]*	*[1]*
	Comments: 10 SEC EXPOSURE AT NOMINAL POSITION, WITH NOMINAL LAMP/CURRENT SETTING LAMP ON FOR FULL 10 SEC *ISQL is needed to bypass calibration.*								
2	Ap Lifetime Position -6.0 arcsec	NONE	COS, ALIGN/APER		XAPER=+126; YAPER=0			0.0 Secs *[==>]*	*[1]*
	Comments: Move aperture to -6.0" postarg to map FCA/PtNe light. This corresponds to displacement across dispersion of: -6.0 arcsec (126.x0.0476)								
3	G130M-1055-FP4-LAM P1MED_-6.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=4; FLASH=S0012D010	SPEC COM INSTR ELNOAPMAIN		10 Secs *[==>]*	*[1]*
	Comments: ISQL is needed to bypass calibration.								
4	G130M-1055-FP4-LAM P2LOW_-6.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=4; CURRENT=LOW; FLASH=S0012D010	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		10 Secs *[==>]*	*[1]*
	Comments: ISQL is needed to bypass calibration.								
5	G130M-1291-FP3-LAM P2LOW_-6.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1291 A	FP-POS=3; CURRENT=LOW; FLASH=S0010D008	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		8 Secs *[==>]*	*[1]*
	Comments: ISQL is needed to bypass calibration.								
6	G130M-1327-FP1-LAM P2LOW_-6.0	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1327 A	FP-POS=1; CURRENT=LOW; FLASH=S0010D008	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		8 Secs *[==>]*	*[1]*
	Comments: ISQL is needed to bypass calibration.								
7	G160M-1577-FP4-LAM P2LOW_-6.0	WAVE	COS/FUV, TIME-TAG, WCA	G160M 1577 A	FP-POS=4; FLASH=S0011D003; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		15 Secs *[==>]*	*[1]*
	Comments: ISQL is needed to bypass calibration.								
8	G160M-1623-FP1-LAM P2LOW_-6.0	WAVE	COS/FUV, TIME-TAG, WCA	G160M 1623 A	FLASH=S0011D003; FP-POS=1; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		15 Secs *[==>]*	*[1]*
	Comments: ISQL is needed to bypass calibration.								
9	G140L-1280-FP1-LAMP 2LOW_-6.0	WAVE	COS/FUV, TIME-TAG, WCA	G140L 1280 A	FLASH=S0011D002; FP-POS=1; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2		14 Secs *[==>]*	*[1]*
	Comments: ISQL is needed to bypass calibration.								

10	G140L-1105 WAVE -FP4-LAMP 2LOW_-6.0	COS/FUV, TIME-TAG, WCA	G140L 1105 A	FLASH=S0011D002 ; FP-POS=4; CURRENT=LOW	SPEC COM INSTR ELNOAPMAIN; QESIPARM USELAMP LINE2	14 Secs [==>]	[1]

Comments: ISQL is needed to bypass calibration.

Orbit Structure



Proposal 12677 - Visit 10 - COS/FUV Mapping of Stray PtNe Lamp Light Through FCA

Visit

Proposal 12677, Visit 10, scheduled Sat Sep 03 01:21:00 GMT 2011

Diagnostic Status: Warning

Scientific Instruments: COS/FUV

Special Requirements: (none)

Comments: THIS VISIT OBTAINS LAMP1/MED AND LOW CURRENT SPECTRA AT ALL THE M SETTINGS USED IN THIS PROGRAM, AT THE NOMINAL POSITION (0.0"). THE GOAL OF THIS VISIT IS TO BE ABLE TO DETERMINE THE RATIOS OF THE DIFFERENT LAMP SETTINGS AT DIFFERENT WAVELENGTHS, TO HELP IN ANALYZING THE DATA OBTAINED IN VISITS WHERE ONLY LAMP2/LOW IS USED.

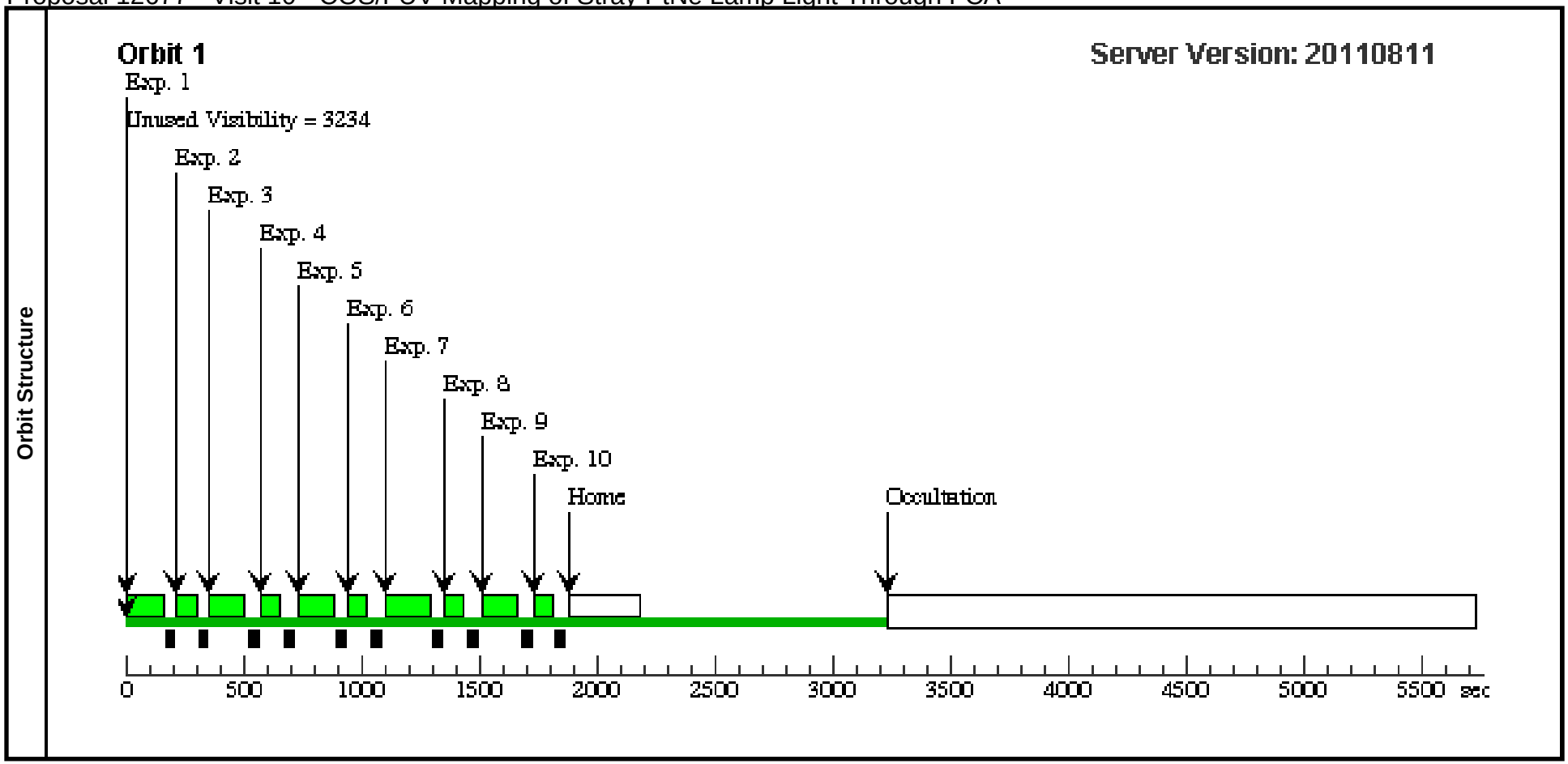
This visit should be scheduled as soon as possible, because results of data anaysis will be used to inform execution of program 12678

Diagnostics

(Visit 10) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	LAMP1/MED/G130M/1055/4	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=4			30 Secs *[==>]*	 ***[1]***
Comments: ISQL is needed to bypass calibration.									
2	LAMP1/LOW/G130M/1055/4	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=4; CURRENT=LOW			40 Secs *[==>]*	 ***[1]***
Comments: ISQL is needed to bypass calibration.									
3	LAMP1/MED/G130M/1291/3	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1291 A	FP-POS=3			25 Secs *[==>]*	 ***[1]***
4	LAMP1/LOW/G130M/1291/3	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1291 A	FP-POS=3; CURRENT=LOW			30 Secs *[==>]*	 ***[1]***
5	LAMP1/MED/G130M/1327/1	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1327 A	FP-POS=1			25 Secs *[==>]*	 ***[1]***
6	LAMP1/LOW/G130M/1327/1	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1327 A	FP-POS=1; CURRENT=LOW			30 Secs *[==>]*	 ***[1]***
7	LAMP1/MED/G160M/1577/4	WAVE	COS/FUV, TIME-TAG, WCA	G160M 1577 A	FP-POS=4			25 Secs *[==>]*	 ***[1]***
8	LAMP1/LOW/G160M/1577/4	WAVE	COS/FUV, TIME-TAG, WCA	G160M 1577 A	FP-POS=4; CURRENT=LOW			30 Secs *[==>]*	 ***[1]***
9	LAMP1/MED/G160M/1623/1	WAVE	COS/FUV, TIME-TAG, WCA	G160M 1623 A	FP-POS=1			25 Secs *[==>]*	 ***[1]***
10	LAMP1/LOW/G160M/1623/1	WAVE	COS/FUV, TIME-TAG, WCA	G160M 1623 A	FP-POS=1; CURRENT=LOW			30 Secs *[==>]*	 ***[1]***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Exp. 1
Unused Visibility = 3234
Exp. 2
Exp. 3
Exp. 4
Exp. 5
Exp. 6
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Exp. 9
Exp. 10
Home
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 12677, Visit 11, completed Sat Sep 03 01:21:00 GMT 2011

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/FUV

Special Requirements: (none)

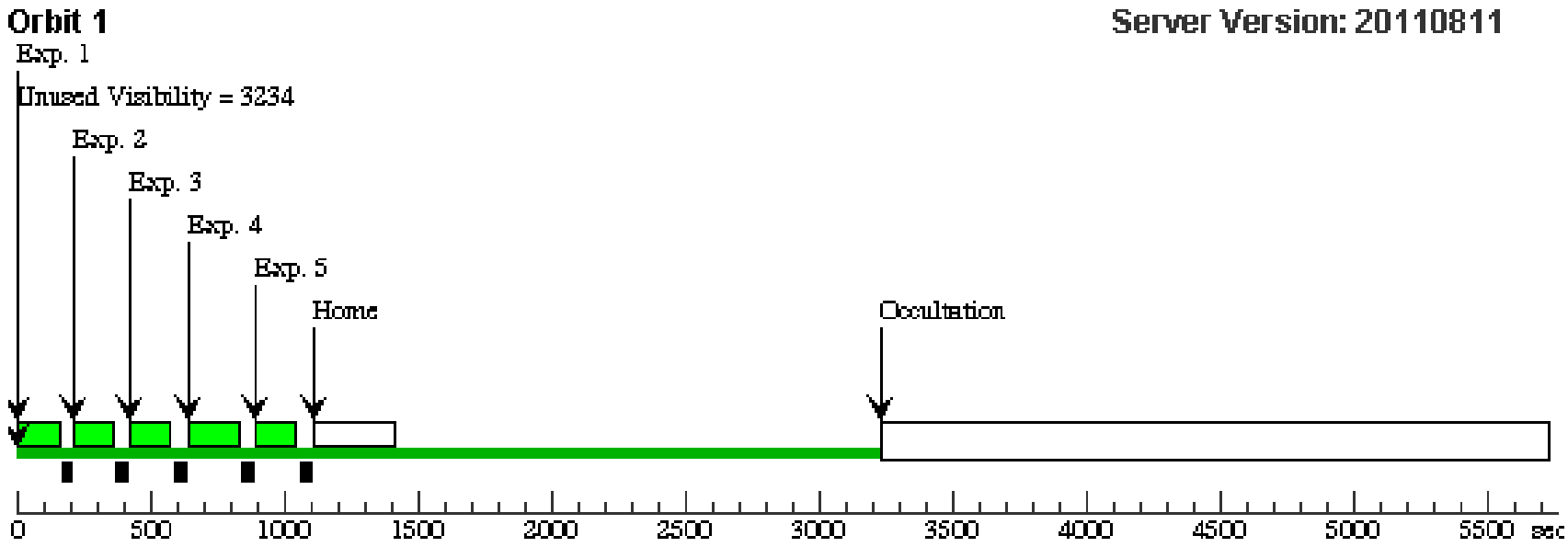
Comments: THIS VISIT OBTAINS LAMP2/MED CURRENT SPECTRA AT ALL THE M SETTINGS USED IN THIS PROGRAM, AT THE NOMINAL POSITION (0.0").
THE GOAL OF THIS VISIT IS TO BE ABLE TO DETERMINE THE RATIOS OF THE DIFFERENT LAMP SETTINGS AT DIFFERENT WAVELENGTHS, TO HELP IN ANALYZING THE DATA OBTAINED IN VISITS WHERE ONLY LAMP2/LOW IS USED.

This visit should be scheduled as soon as possible, because results of data anaysis will be used to inform execution of program 12678

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	LAMP2/MED/G130M/1055/4	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=4	QESIPARM USELAMP LINE2		30 Secs *[==>]*	*[1]*
	Comments: ISQL is needed to bypass calibration.								
2	LAMP2/MED/G130M/1291/3	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1291 A	FP-POS=3	QESIPARM USELAMP LINE2		25 Secs *[==>]*	*[1]*
3	LAMP2/MED/G130M/1327/1	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1327 A	FP-POS=1	QESIPARM USELAMP LINE2		25 Secs *[==>]*	*[1]*
4	LAMP2/MED/G160M/1577/4	WAVE	COS/FUV, TIME-TAG, WCA	G160M 1577 A	FP-POS=4	QESIPARM USELAMP LINE2		25 Secs *[==>]*	*[1]*
5	LAMP2/MED/G160M/1623/1	WAVE	COS/FUV, TIME-TAG, WCA	G160M 1623 A	FP-POS=1	QESIPARM USELAMP LINE2		25 Secs *[==>]*	*[1]*

Orbit Structure



Visit

Proposal 12677, Visit 12, scheduled Sat Sep 03 01:21:00 GMT 2011

Diagnostic Status: Warning

Scientific Instruments: COS/FUV

Special Requirements: (none)

Comments: THIS VISIT OBTAINS LAMP2/ LOW CURRENT SPECTRA AT ALL THE M SETTINGS USED IN THIS PROGRAM, AT THE NOMINAL POSITION (0.0").
THE GOAL OF THIS VISIT IS TO BE ABLE TO DETERMINE THE RATIOS OF THE DIFFERENT LAMP SETTINGS AT DIFFERENT WAVELENGTHS, TO HELP IN ANALYZING THE DATA OBTAINED IN VISITS WHERE ONLY LAMP2/LOW IS USED.

This visit should be scheduled as soon as possible, because results of data anaysis will be used to inform execution of program 12678

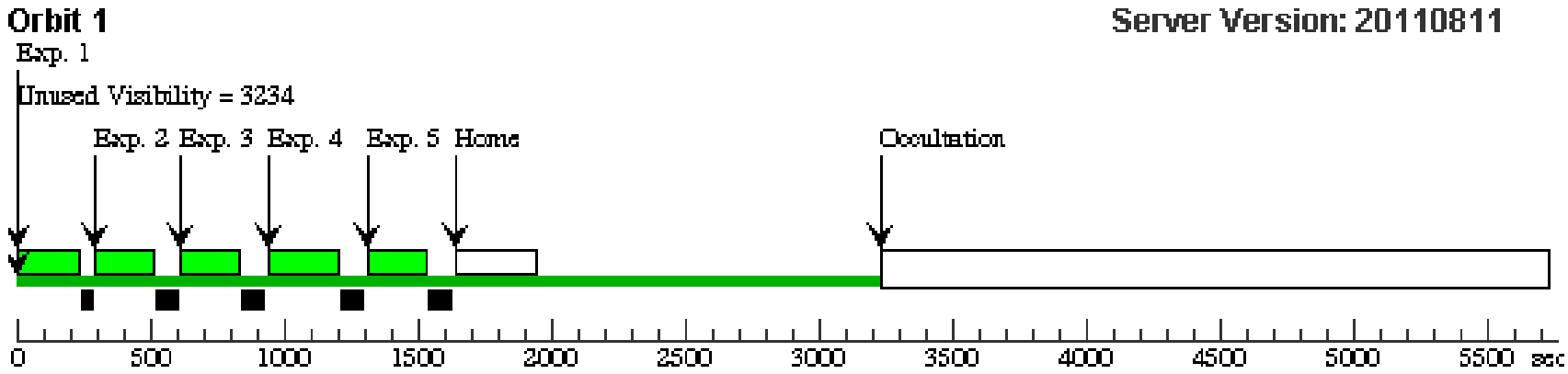
Diagnostics

(Visit 12) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	LAMP2/LOW/G130M/1055/4	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1055 A	FP-POS=4; CURRENT=LOW	QESIPARM USELAMP LINE2		100 Secs *[==>]*	 *[1]*
	Comments: ISQL is needed to bypass calibration.								
2	LAMP2/LOW/G130M/1291/3	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1291 A	FP-POS=3; CURRENT=LOW	QESIPARM USELAMP LINE2		90 Secs *[==>]*	 *[1]*
3	LAMP2/LOW/G130M/1327/1	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1327 A	FP-POS=1; CURRENT=LOW	QESIPARM USELAMP LINE2		90 Secs *[==>]*	 *[1]*
4	LAMP2/LOW/G160M/1577/4	WAVE	COS/FUV, TIME-TAG, WCA	G160M 1577 A	FP-POS=4; CURRENT=LOW	QESIPARM USELAMP LINE2		90 Secs *[==>]*	 *[1]*
5	LAMP2/LOW/G160M/1623/1	WAVE	COS/FUV, TIME-TAG, WCA	G160M 1623 A	FP-POS=1; CURRENT=LOW	QESIPARM USELAMP LINE2		90 Secs *[==>]*	 *[1]*

Orbit Structure



Proposal 12677 - Visit 13 - COS/FUV Mapping of Stray PtNe Lamp Light Through FCA

Visit

Proposal 12677, Visit 13, scheduled Sat Sep 03 01:21:00 GMT 2011

Diagnostic Status: Warning

Scientific Instruments: COS/FUV

Special Requirements: (none)

Comments: THIS VISIT OBTAINS LAMP1/MED/LOW AND LAMP2/MED/LOW CURRENT SPECTRA AT ALL OF THE L SETTINGS USED IN THIS PROGRAM, AT THE NOMINAL POSITION (0.0").
THE GOAL OF THIS VISIT IS TO BE ABLE TO DETERMINE THE RATIOS OF THE DIFFERENT LAMP SETTINGS AT DIFFERENT WAVELENGTHS, TO HELP IN ANALYZING THE DATA OBTAINED IN VISITS WHERE ONLY LAMP2/LOW IS USED.

ALSO, THESE DATA WILL BE USED TO PREDICT WHAT THE COUNTS WOULD BE WITH G140L/1280/LAMP1/MED AT THE +6.0" POSITION (VIS6N, WHERE LAMP2/LOW IS USED). THESE COUNTS WILL BE COMPARED WITH THE COUNTS OBTAINED IN PROGRAM 12096 WITH G140L/1280/LAMP1/MED, MORE THAN ONE YEAR AGO, TO LOOK FOR VARIABILITY, POSSIBLY INDICATING CHANGES TO THE LAMP SPOT SIZE.

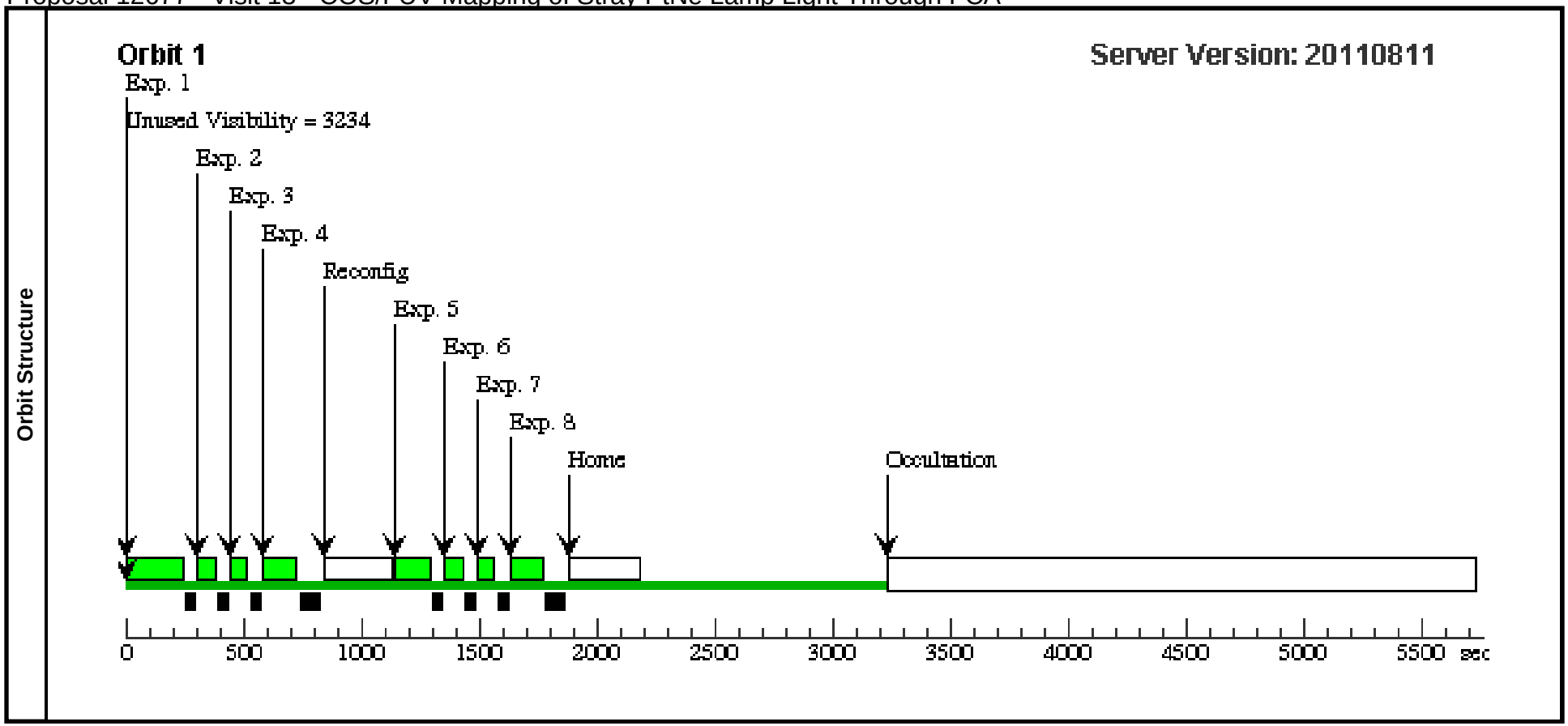
This visit should be scheduled as soon as possible, because results of data anaysis will be used to inform execution of program 12678

Diagnostics

(Visit 13) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	LAMP1/MED/G140L/1280/1	WAVE	COS/FUV, TIME-TAG, WCA	G140L 1280 A	FP-POS=1			20 Secs *[==>]*	 ***[1]***
2	LAMP1/LOW/G140L/1280/1	WAVE	COS/FUV, TIME-TAG, WCA	G140L 1280 A	FP-POS=1; CURRENT=LOW			25 Secs *[==>]*	 ***[1]***
3	LAMP2/MED/G140L/1280/1	WAVE	COS/FUV, TIME-TAG, WCA	G140L 1280 A	FP-POS=1	QESIPARM USELAMP LINE2		20 Secs *[==>]*	 ***[1]***
4	LAMP2/LOW/G140L/1280/1	WAVE	COS/FUV, TIME-TAG, WCA	G140L 1280 A	FP-POS=1; CURRENT=LOW	QESIPARM USELAMP LINE2		90 Secs *[==>]*	 ***[1]***
5	LAMP1/MED/G140L/1105/2	WAVE	COS/FUV, TIME-TAG, WCA	G140L 1105 A	FP-POS=4			20 Secs *[==>]*	 ***[1]***
6	LAMP1/LOW/G140L/1105/2	WAVE	COS/FUV, TIME-TAG, WCA	G140L 1105 A	FP-POS=4; CURRENT=LOW			25 Secs *[==>]*	 ***[1]***
7	LAMP2/MED/G140L/1105/2	WAVE	COS/FUV, TIME-TAG, WCA	G140L 1105 A	FP-POS=4	QESIPARM USELAMP LINE2		20 Secs *[==>]*	 ***[1]***
8	LAMP2/LOW/G140L/1105/2	WAVE	COS/FUV, TIME-TAG, WCA	G140L 1105 A	FP-POS=4; CURRENT=LOW	QESIPARM USELAMP LINE2		90 Secs *[==>]*	 ***[1]***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Unused Visibility = 3234
Exp. 2
Exp. 3
Exp. 4
Reconfig
Exp. 5
Exp. 6
Exp. 7
Exp. 8
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Occultation
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3500
4000
4500
5000
5500
sec