



12715 - COS FUV Spectroscopic Sensitivity Monitoring

Cycle: 19, Proposal Category: CAL/COS

(Availability Mode: RESTRICTED)

INVESTIGATORS

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VISITS

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(1) WD0947+857	COS/FUV COS/NUV	2	28-Sep-2012 21:01:49.0	yes
02	(1) WD0947+857	COS/FUV COS/NUV	2	28-Sep-2012 21:02:04.0	yes
03	(1) WD0947+857	COS/FUV COS/NUV	2	28-Sep-2012 21:02:18.0	yes
04	(1) WD0947+857	COS/FUV COS/NUV	2	28-Sep-2012 21:02:29.0	yes
05	(1) WD0947+857	COS/FUV COS/NUV	2	28-Sep-2012 21:02:41.0	yes
06	(1) WD0947+857	COS/FUV COS/NUV	2	28-Sep-2012 21:02:52.0	yes

Proposal 12715 (STScI Edit Number: 13, Created: Friday, September 28, 2012 8:06:36 PM EST) - Overview

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
07	(1) WD0947+857	COS/FUV COS/NUV	2	28-Sep-2012 21:03:03.0	yes
08	(1) WD0947+857	COS/FUV COS/NUV	2	28-Sep-2012 21:03:15.0	yes
09	(1) WD0947+857	COS/FUV COS/NUV	2	28-Sep-2012 21:03:29.0	yes
10	(1) WD0947+857	COS/FUV COS/NUV	2	28-Sep-2012 21:03:41.0	yes
11	(1) WD0947+857	COS/FUV COS/NUV	2	28-Sep-2012 21:03:52.0	yes
12	(1) WD0947+857	COS/FUV COS/NUV	2	28-Sep-2012 21:04:02.0	yes
13	(1) WD0947+857	COS/FUV COS/NUV	2	28-Sep-2012 21:04:13.0	yes
14	(1) WD0947+857	COS/FUV COS/NUV	2	28-Sep-2012 21:04:24.0	yes
20	(2) WD1057+719	COS/FUV COS/NUV	1	28-Sep-2012 21:04:32.0	yes
21	(2) WD1057+719	COS/FUV COS/NUV	1	28-Sep-2012 21:04:38.0	yes
22	(2) WD1057+719	COS/FUV COS/NUV	1	28-Sep-2012 21:04:45.0	yes
23	(2) WD1057+719	COS/FUV COS/NUV	1	28-Sep-2012 21:04:52.0	yes
24	(2) WD1057+719	COS/FUV COS/NUV	1	28-Sep-2012 21:04:59.0	yes
25	(2) WD1057+719	COS/FUV COS/NUV	1	28-Sep-2012 21:05:07.0	yes

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
26	(2) WD1057+719	COS/FUV COS/NUV	1	28-Sep-2012 21:05:14.0	yes
27	(2) WD1057+719	COS/FUV COS/NUV	1	28-Sep-2012 21:05:21.0	yes
28	(2) WD1057+719	COS/FUV COS/NUV	1	28-Sep-2012 21:05:28.0	yes
29	(2) WD1057+719	COS/FUV COS/NUV	1	28-Sep-2012 21:05:36.0	yes
40	(4) GD71	COS/FUV COS/NUV	1	28-Sep-2012 21:05:43.0	yes
50	(3) WD0308-565	COS/FUV COS/NUV	2	28-Sep-2012 21:06:00.0	yes
41	(4) GD71 DARK	COS/FUV COS/NUV S/C	1	28-Sep-2012 21:06:11.0	yes
51	(3) WD0308-565 DARK	COS/FUV COS/NUV S/C	2	28-Sep-2012 21:06:25.0	yes

44 Total Orbits Used

ABSTRACT

Purpose is to monitor sensitivity in each FUV grating mode to detect any change due to contamination or other causes.

OBSERVING DESCRIPTION

Obtain exposures in all FUV gratings every month. This entails every month having a 2 orbit visit of G140L+G130M, and a 1 orbit visit of G160M. The medium-resolution gratings are observed with 3 central wavelengths, covering the bluest, reddest, and middle. Main goal is to track time dependence of sensitivity as a function of wavelength. Note that the target used for G160M monitoring disappears

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from May-July, so only 10 monitoring visits for this grating are needed.

Because of the existence of periods in the LRP for Cycle 19 which are full or extremely full, monitoring visits occurring during these times have 2 week windows to ease scheduling.

CALIBRATION JUSTIFICATION

accuracy required is minimum S/N of 30 per resolution element at the central wavelengths.

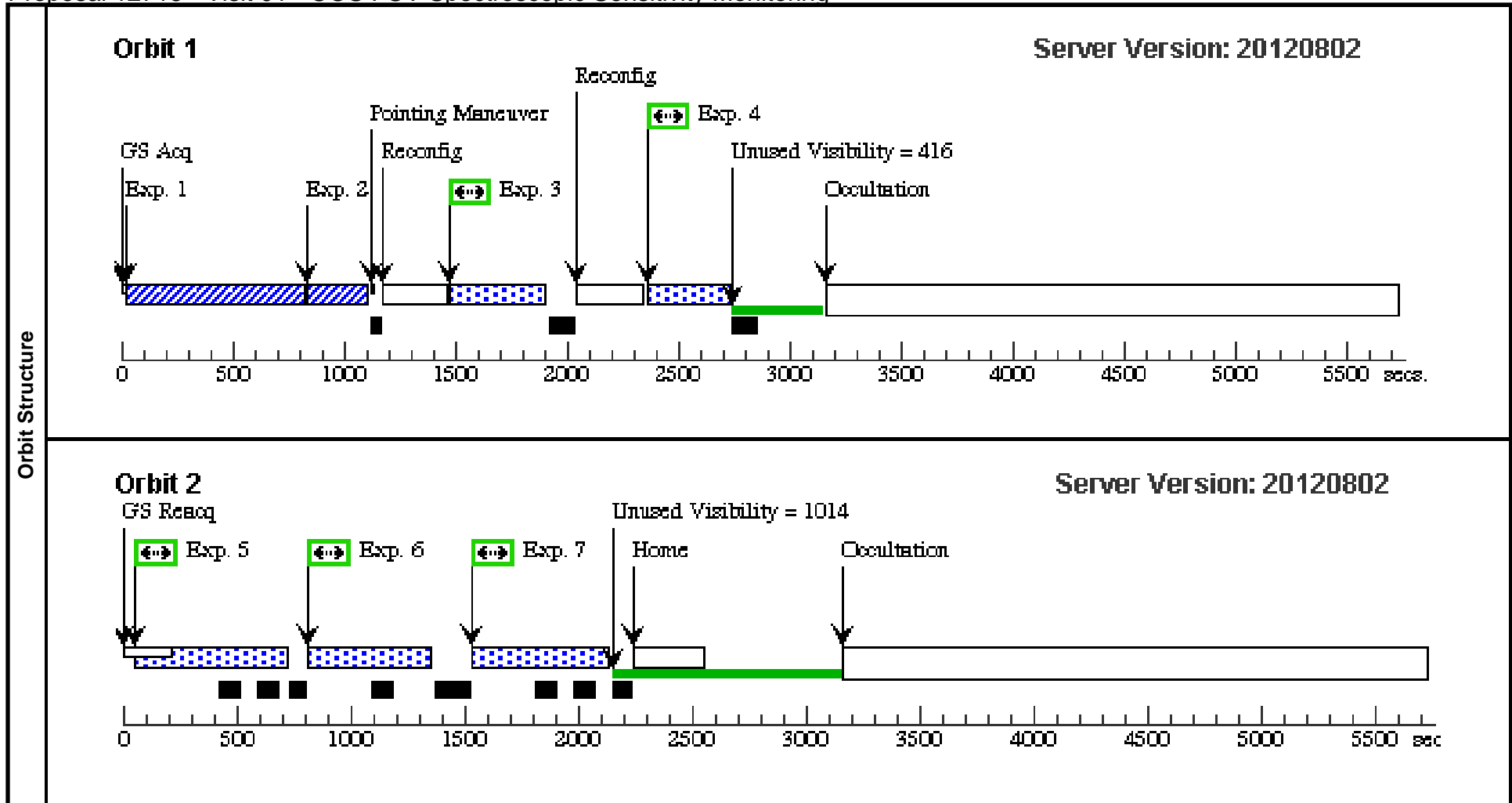
Proposal 12715 - Visit 01 - COS FUV Spectroscopic Sensitivity Monitoring

Sat Sep 29 01:06:37 GMT 2012

Visit	<p>Proposal 12715, Visit 01, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: COS/NUV, COS/FUV</p> <p>Special Requirements: SCHED 100%; BETWEEN 17-OCT-2011:00:00:00 AND 24-OCT-2011:00:00:00</p>					
Diagnostics	(Visit 01) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	WD0947+857	RA: 09 57 54.4230 (149.4767625d) Dec: +85 29 40.91 (85.49470d) Equinox: J2000	Proper Motion RA: -0.01747 sec of time/yr Proper Motion Dec: -0.0253 arcsec/yr Epoch of Position: 1997.19	V=15.9	Reference Frame: ICRS
	<i>Comments: HST FASTEX standard PM, coords from GSC2</i>					

Proposal 12715 - Visit 01 - COS FUV Spectroscopic Sensitivity Monitoring

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
Exposures	1	MIRRORA - BOA ACQ /SEARCH (COS.ta.236 962)	(1) WD0947+857	COS/NUV, ACQ/SEARCH, BOA	MIRRORA	STEP-SIZE=1.767; SCAN-SIZE=2		85.0 Secs [==>]	[1]	
	<i>Comments: SN=60 in 85 seconds, brightest pixel=5.9 cts/s</i>									
	2	MIRRORA - BOA ACQ /IMAGE (COS.ta.236 962)	(1) WD0947+857	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				85.0 Secs [==>]	[1]
	<i>Comments: SN=60 in 85 seconds, brightest pixel=5.9 cts/s</i>									
	3	G140L - 110 5 A (COS.sp.236 938)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G140L 1105 A	BUFFER-TIME=24 9; FP-POS=3			250.0 Secs [==>]	[1]
	<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>									
	4	G140L - 123 0 A (COS.sp.236 939)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G140L 1230 A	BUFFER-TIME=24 9; FP-POS=3			250.0 Secs [==>]	[1]
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										
5	G130M - 13 09 A (COS.sp.199 742)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=17 0; FP-POS=3			445.0 Secs [==>]	[2]	
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										
6	G130M - 12 91 A (COS.sp.199 743)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=17 0; FP-POS=3			416.0 Secs [==>]	[2]	
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										
7	G130M - 13 27 A (COS.sp.199 744)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=17 4; FP-POS=3			481.0 Secs [==>]	[2]	
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										



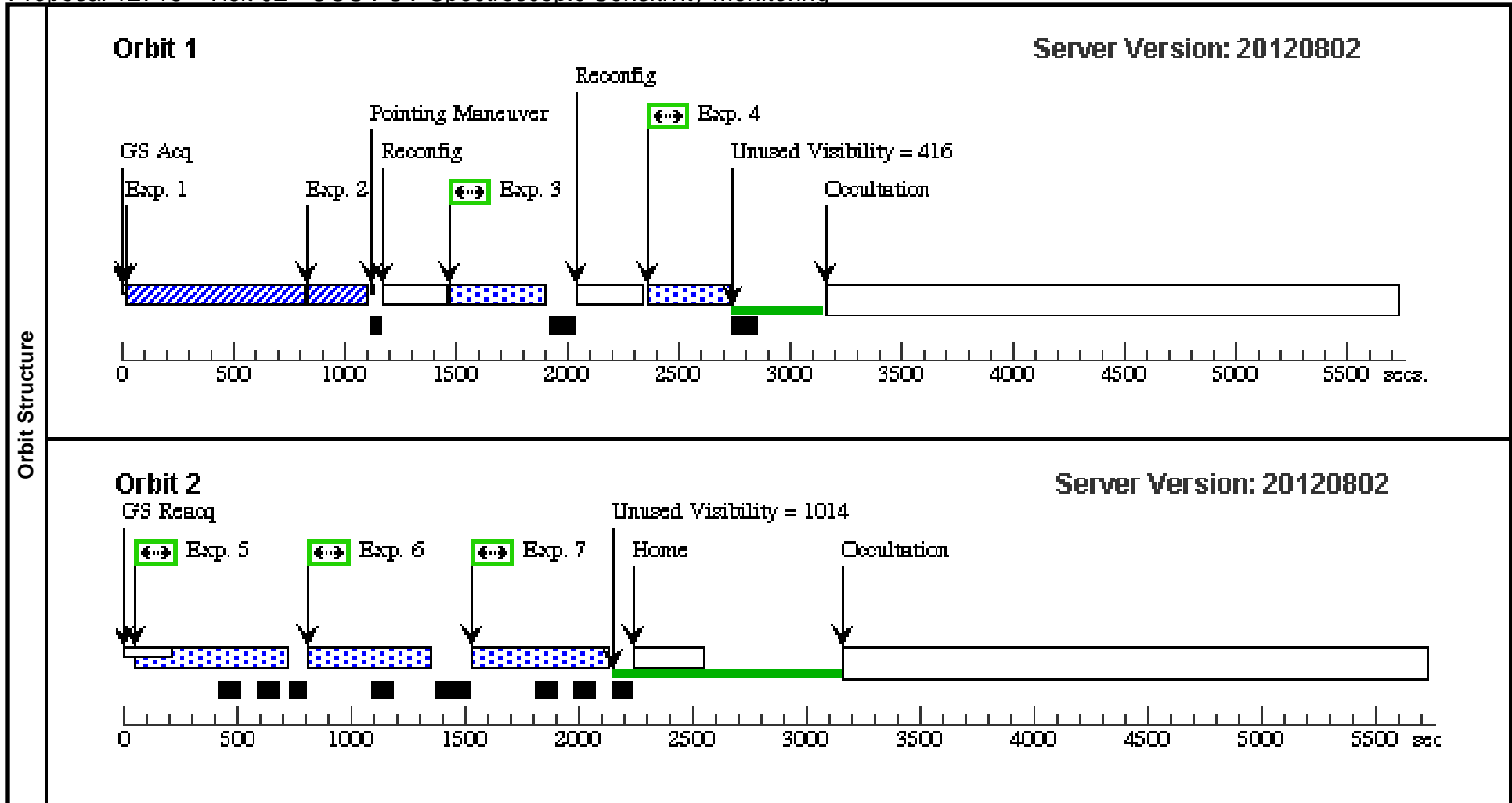
Proposal 12715 - Visit 02 - COS FUV Spectroscopic Sensitivity Monitoring

Sat Sep 29 01:06:39 GMT 2012

Visit	<p>Proposal 12715, Visit 02, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: COS/NUV, COS/FUV</p> <p>Special Requirements: SCHED 100%; BETWEEN 14-NOV-2011:00:00:00 AND 28-NOV-2011:00:00:00</p>					
Diagnostics	(Visit 02) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	WD0947+857	RA: 09 57 54.4230 (149.4767625d) Dec: +85 29 40.91 (85.49470d) Equinox: J2000	Proper Motion RA: -0.01747 sec of time/yr Proper Motion Dec: -0.0253 arcsec/yr Epoch of Position: 1997.19	V=15.9	Reference Frame: ICRS
	<i>Comments: HST FASTEX standard PM, coords from GSC2</i>					

Proposal 12715 - Visit 02 - COS FUV Spectroscopic Sensitivity Monitoring

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
Exposures	1	MIRRORA - BOA ACQ /SEARCH (COS.ta.236 962)	(1) WD0947+857	COS/NUV, ACQ/SEARCH, BOA	MIRRORA	STEP-SIZE=1.767; SCAN-SIZE=2		85.0 Secs [==>]	[1]	
	<i>Comments: SN=60 in 85 seconds, brightest pixel=5.9 cts/s</i>									
	2	MIRRORA - BOA ACQ /IMAGE (COS.ta.236 962)	(1) WD0947+857	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				85.0 Secs [==>]	[1]
	<i>Comments: SN=60 in 85 seconds, brightest pixel=5.9 cts/s</i>									
	3	G140L - 110 5 A (COS.sp.236 938)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G140L 1105 A	BUFFER-TIME=24 9; FP-POS=3			250.0 Secs [==>]	[1]
	<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>									
	4	G140L - 123 0 A (COS.sp.236 939)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G140L 1230 A	BUFFER-TIME=24 9; FP-POS=3			250.0 Secs [==>]	[1]
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										
5	G130M - 13 09 A (COS.sp.199 742)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=17 0; FP-POS=3			445.0 Secs [==>]	[2]	
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										
6	G130M - 12 91 A (COS.sp.199 743)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=17 0; FP-POS=3			416.0 Secs [==>]	[2]	
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										
7	G130M - 13 27 A (COS.sp.199 744)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=17 4; FP-POS=3			481.0 Secs [==>]	[2]	
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										



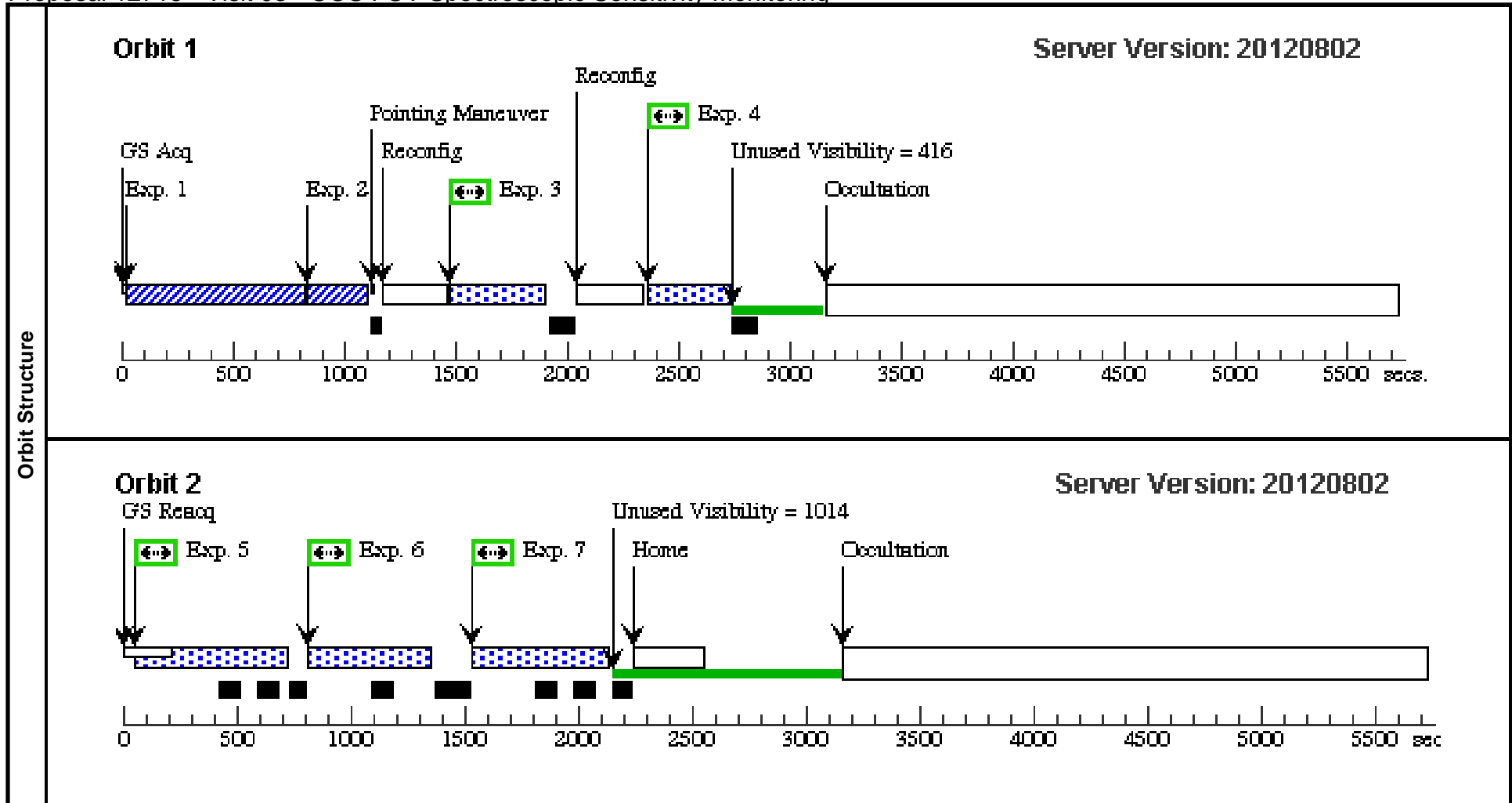
Proposal 12715 - Visit 03 - COS FUV Spectroscopic Sensitivity Monitoring

Sat Sep 29 01:06:41 GMT 2012

Visit	<p>Proposal 12715, Visit 03, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: COS/NUV, COS/FUV</p> <p>Special Requirements: SCHED 100%; BETWEEN 26-DEC-2011:00:00:00 AND 09-JAN-2012:00:00:00</p>					
Diagnostics	(Visit 03) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	WD0947+857	RA: 09 57 54.4230 (149.4767625d) Dec: +85 29 40.91 (85.49470d) Equinox: J2000	Proper Motion RA: -0.01747 sec of time/yr Proper Motion Dec: -0.0253 arcsec/yr Epoch of Position: 1997.19	V=15.9	Reference Frame: ICRS
	<i>Comments: HST FASTEX standard PM, coords from GSC2</i>					

Proposal 12715 - Visit 03 - COS FUV Spectroscopic Sensitivity Monitoring

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
Exposures	1	MIRRORA - BOA ACQ /SEARCH (COS.ta.236 962)	(1) WD0947+857	COS/NUV, ACQ/SEARCH, BOA	MIRRORA	STEP-SIZE=1.767; SCAN-SIZE=2		85.0 Secs [==>]	[1]	
	<i>Comments: SN=60 in 85 seconds, brightest pixel=5.9 cts/s</i>									
	2	MIRRORA - BOA ACQ /IMAGE (COS.ta.236 962)	(1) WD0947+857	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				85.0 Secs [==>]	[1]
	<i>Comments: SN=60 in 85 seconds, 43 counts in region, brightest pixel=5.9 cts/s</i>									
	3	G140L - 110 5 A (COS.sp.236 938)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G140L 1105 A	BUFFER-TIME=24 9; FP-POS=3			250.0 Secs [==>]	[1]
	<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>									
	4	G140L - 123 0 A (COS.sp.236 939)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G140L 1230 A	BUFFER-TIME=24 9; FP-POS=3			250.0 Secs [==>]	[1]
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										
5	G130M - 13 09 A (COS.sp.199 742)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=17 0; FP-POS=3			445.0 Secs [==>]	[2]	
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										
6	G130M - 12 91 A (COS.sp.199 743)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=17 0; FP-POS=3			416.0 Secs [==>]	[2]	
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										
7	G130M - 13 27 A (COS.sp.199 744)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=17 4; FP-POS=3			481.0 Secs [==>]	[2]	
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										



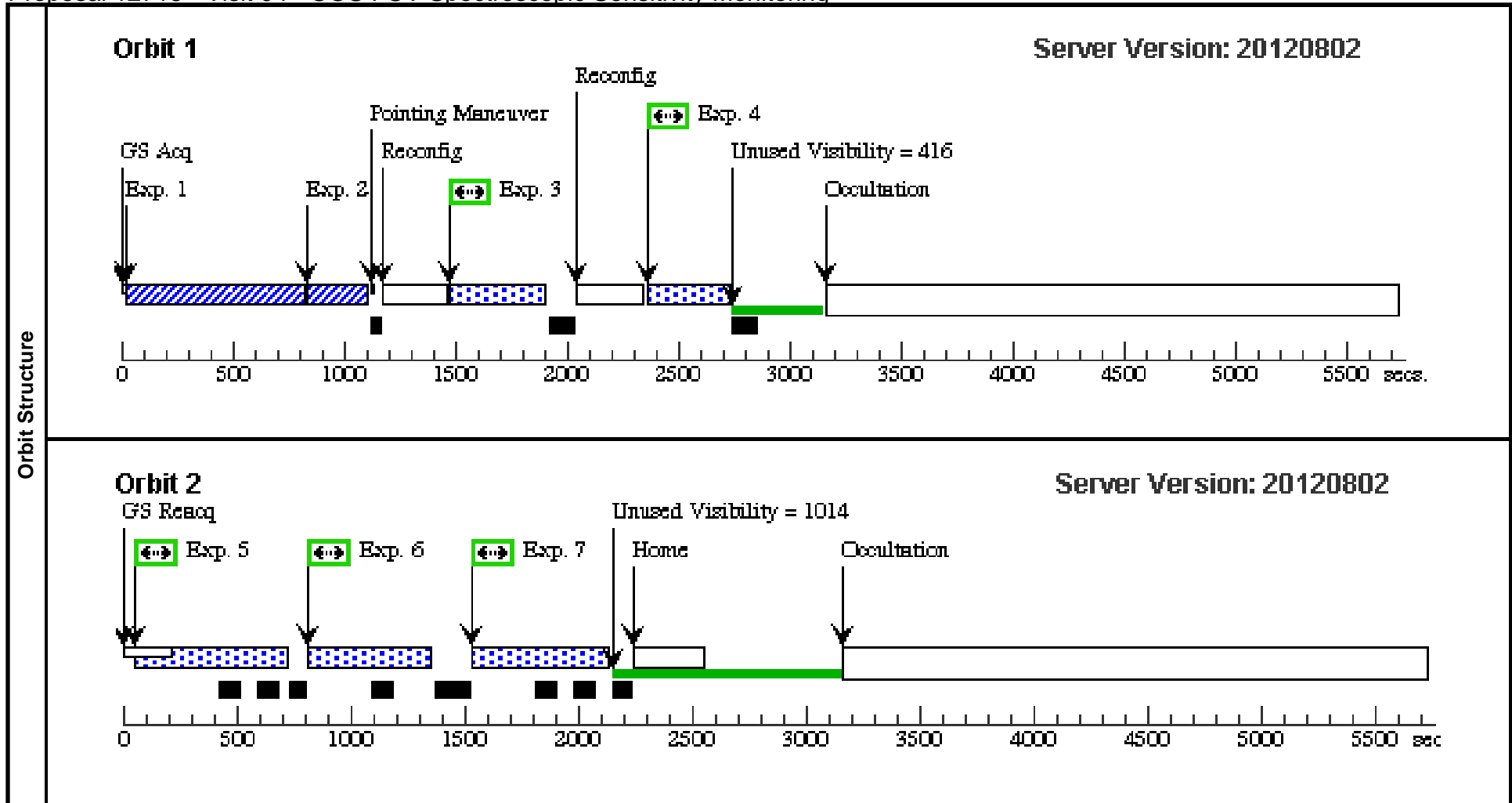
Proposal 12715 - Visit 04 - COS FUV Spectroscopic Sensitivity Monitoring

Sat Sep 29 01:06:44 GMT 2012

Visit	<p>Proposal 12715, Visit 04, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: COS/NUV, COS/FUV</p> <p>Special Requirements: SCHED 100%; BETWEEN 23-JAN-2012:00:00:00 AND 13-FEB-2012:00:00:00</p>					
Diagnostics	(Visit 04) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	WD0947+857	RA: 09 57 54.4230 (149.4767625d) Dec: +85 29 40.91 (85.49470d) Equinox: J2000	Proper Motion RA: -0.01747 sec of time/yr Proper Motion Dec: -0.0253 arcsec/yr Epoch of Position: 1997.19	V=15.9	Reference Frame: ICRS
	<i>Comments: HST FASTEX standard PM, coords from GSC2</i>					

Proposal 12715 - Visit 04 - COS FUV Spectroscopic Sensitivity Monitoring

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
Exposures	1	MIRRORA - BOA ACQ /SEARCH (COS.ta.236 962)	(1) WD0947+857	COS/NUV, ACQ/SEARCH, BOA	MIRRORA	STEP-SIZE=1.767; SCAN-SIZE=2		85.0 Secs [==>]	[1]	
	<i>Comments: SN=60 in 85 seconds, brightest pixel=5.9 cts/s</i>									
	2	MIRRORA - BOA ACQ /IMAGE (COS.ta.236 962)	(1) WD0947+857	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				85.0 Secs [==>]	[1]
	<i>Comments: SN=60 in 85 seconds, 43 counts in region, brightest pixel=5.9 cts/s</i>									
	3	G140L - 110 5 A (COS.sp.236 938)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G140L 1105 A	BUFFER-TIME=24 9; FP-POS=3			250.0 Secs [==>]	[1]
	<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>									
	4	G140L - 123 0 A (COS.sp.236 939)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G140L 1230 A	BUFFER-TIME=24 9; FP-POS=3			250.0 Secs [==>]	[1]
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										
5	G130M - 13 09 A (COS.sp.199 742)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=17 0; FP-POS=3			445.0 Secs [==>]	[2]	
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										
6	G130M - 12 91 A (COS.sp.199 743)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=17 0; FP-POS=3			416.0 Secs [==>]	[2]	
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										
7	G130M - 13 27 A (COS.sp.199 744)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=17 4; FP-POS=3			481.0 Secs [==>]	[2]	
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										



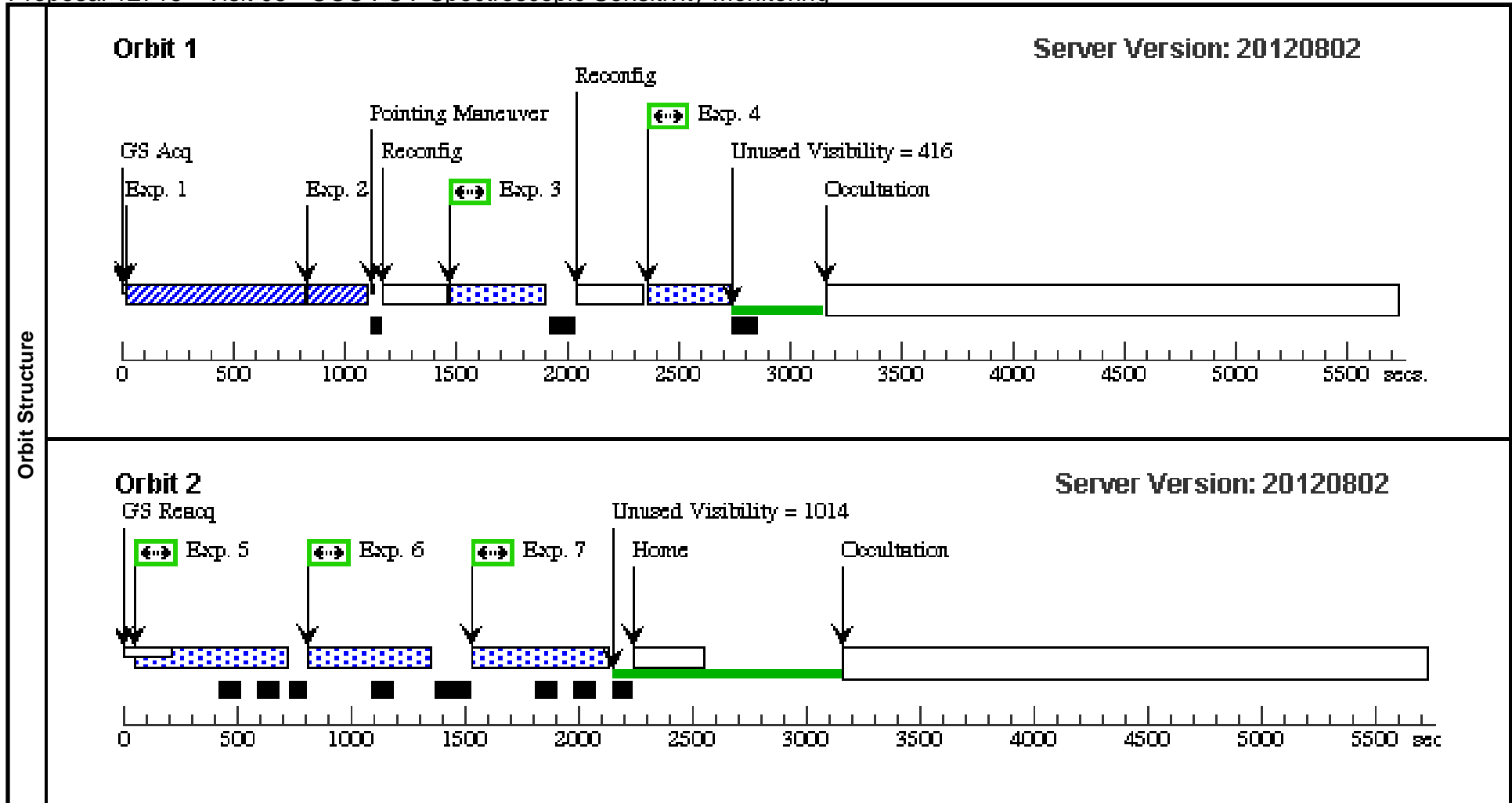
Proposal 12715 - Visit 05 - COS FUV Spectroscopic Sensitivity Monitoring

Sat Sep 29 01:06:45 GMT 2012

Visit	<p>Proposal 12715, Visit 05, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: COS/NUV, COS/FUV</p> <p>Special Requirements: SCHED 100%; BETWEEN 06-FEB-2012:00:00:00 AND 13-FEB-2012:00:00:00</p>					
Diagnostics	(Visit 05) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	WD0947+857	RA: 09 57 54.4230 (149.4767625d) Dec: +85 29 40.91 (85.49470d) Equinox: J2000	Proper Motion RA: -0.01747 sec of time/yr Proper Motion Dec: -0.0253 arcsec/yr Epoch of Position: 1997.19	V=15.9	Reference Frame: ICRS
	<i>Comments: HST FASTEX standard PM, coords from GSC2</i>					

Proposal 12715 - Visit 05 - COS FUV Spectroscopic Sensitivity Monitoring

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
Exposures	1	MIRRORA - BOA ACQ /SEARCH (COS.ta.236 962)	(1) WD0947+857	COS/NUV, ACQ/SEARCH, BOA	MIRRORA	STEP-SIZE=1.767; SCAN-SIZE=2		85.0 Secs [==>]	[1]	
	<i>Comments: SN=60 in 85 seconds, brightest pixel=5.9 cts/s</i>									
	2	MIRRORA - BOA ACQ /IMAGE (COS.ta.236 962)	(1) WD0947+857	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				85.0 Secs [==>]	[1]
	<i>Comments: SN=60 in 85 seconds, 43 counts in region, brightest pixel=5.9 cts/s</i>									
	3	G140L - 110 5 A (COS.sp.236 938)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G140L 1105 A	BUFFER-TIME=24 9; FP-POS=3			250.0 Secs [==>]	[1]
	<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>									
	4	G140L - 123 0 A (COS.sp.236 939)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G140L 1230 A	BUFFER-TIME=24 9; FP-POS=3			250.0 Secs [==>]	[1]
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										
5	G130M - 13 09 A (COS.sp.199 742)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=17 0; FP-POS=3			445.0 Secs [==>]	[2]	
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										
6	G130M - 12 91 A (COS.sp.199 743)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=17 0; FP-POS=3			416.0 Secs [==>]	[2]	
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										
7	G130M - 13 27 A (COS.sp.199 744)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=17 4; FP-POS=3			481.0 Secs [==>]	[2]	
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										



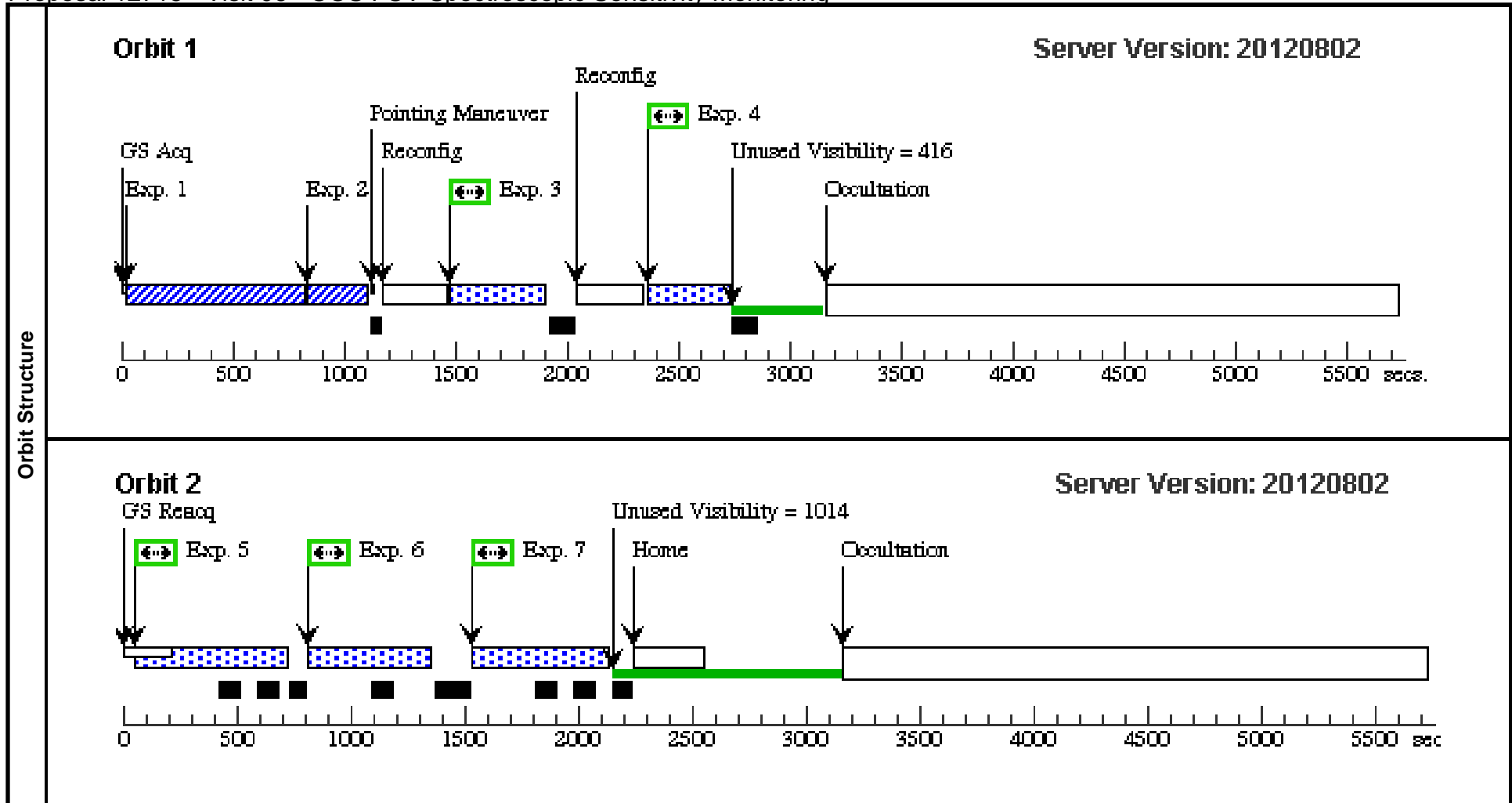
Proposal 12715 - Visit 06 - COS FUV Spectroscopic Sensitivity Monitoring

Sat Sep 29 01:06:47 GMT 2012

Visit	<p>Proposal 12715, Visit 06, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: COS/NUV, COS/FUV</p> <p>Special Requirements: SCHED 100%; BETWEEN 20-FEB-2012:00:00:00 AND 26-FEB-2012:00:00:00</p>					
Diagnostics	(Visit 06) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	WD0947+857	RA: 09 57 54.4230 (149.4767625d) Dec: +85 29 40.91 (85.49470d) Equinox: J2000	Proper Motion RA: -0.01747 sec of time/yr Proper Motion Dec: -0.0253 arcsec/yr Epoch of Position: 1997.19	V=15.9	Reference Frame: ICRS
	<i>Comments: HST FASTEX standard PM, coords from GSC2</i>					

Proposal 12715 - Visit 06 - COS FUV Spectroscopic Sensitivity Monitoring

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
Exposures	1	MIRRORA - BOA ACQ /SEARCH (COS.ta.236 962)	(1) WD0947+857	COS/NUV, ACQ/SEARCH, BOA	MIRRORA	STEP-SIZE=1.767; SCAN-SIZE=2		85.0 Secs [==>]	[1]	
	<i>Comments: SN=60 in 85 seconds, brightest pixel=5.9 cts/s</i>									
	2	MIRRORA - BOA ACQ /IMAGE (COS.ta.236 962)	(1) WD0947+857	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				85.0 Secs [==>]	[1]
	<i>Comments: SN=60 in 85 seconds, 43 counts in region, brightest pixel=5.9 cts/s</i>									
	3	G140L - 110 5 A (COS.sp.236 938)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G140L 1105 A	BUFFER-TIME=24 9; FP-POS=3			250.0 Secs [==>]	[1]
	<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>									
	4	G140L - 123 0 A (COS.sp.236 939)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G140L 1230 A	BUFFER-TIME=24 9; FP-POS=3			250.0 Secs [==>]	[1]
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										
5	G130M - 13 09 A (COS.sp.199 742)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=17 0; FP-POS=3			445.0 Secs [==>]	[2]	
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										
6	G130M - 12 91 A (COS.sp.199 743)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=17 0; FP-POS=3			416.0 Secs [==>]	[2]	
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										
7	G130M - 13 27 A (COS.sp.199 744)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=17 4; FP-POS=3			481.0 Secs [==>]	[2]	
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										



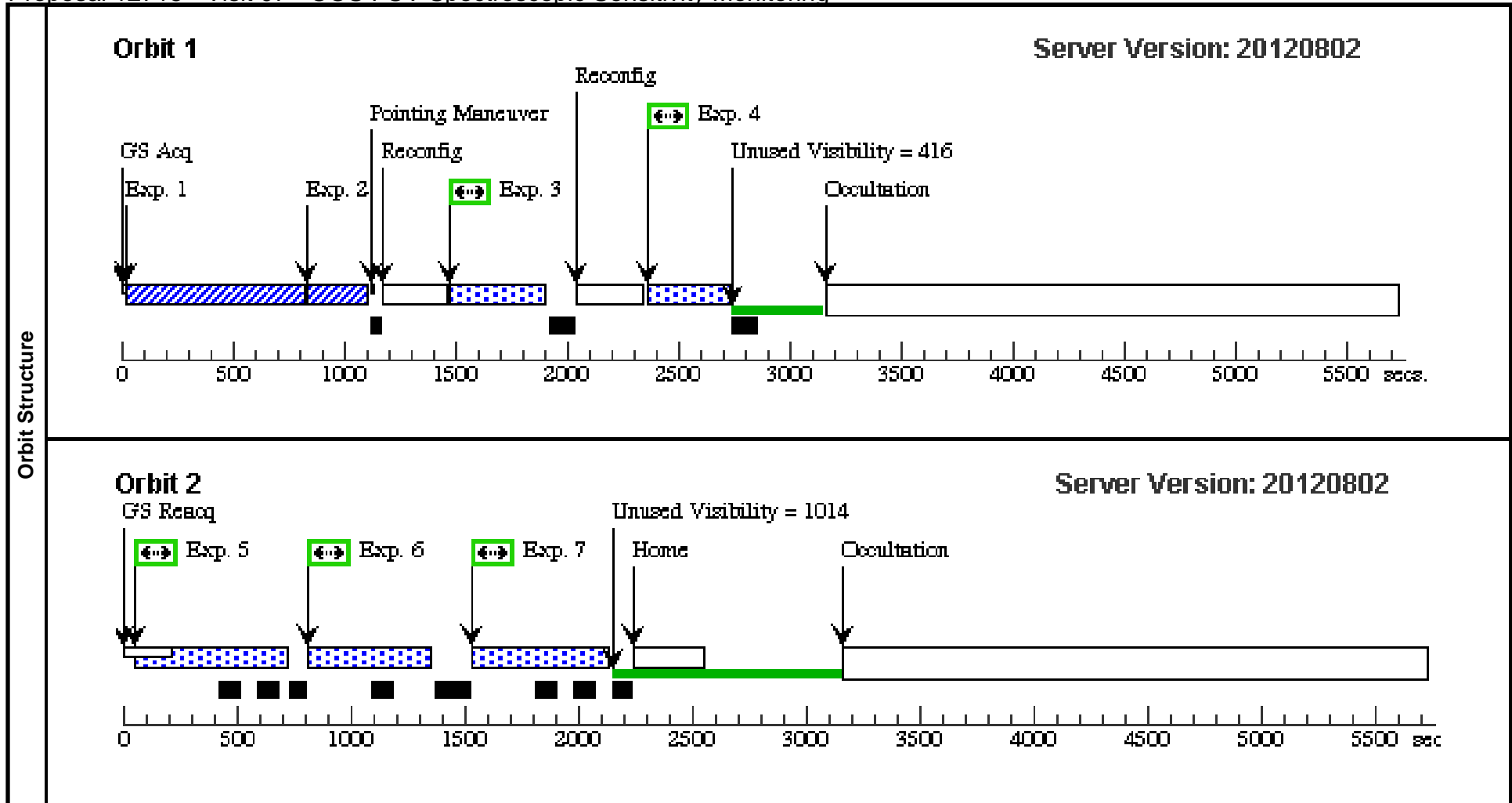
Proposal 12715 - Visit 07 - COS FUV Spectroscopic Sensitivity Monitoring

Sat Sep 29 01:06:49 GMT 2012

Visit	<p>Proposal 12715, Visit 07, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: COS/NUV, COS/FUV</p> <p>Special Requirements: SCHED 100%; BETWEEN 05-MAR-2012:00:00:00 AND 11-MAR-2012:00:00:00</p>					
Diagnostics	(Visit 07) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	WD0947+857	RA: 09 57 54.4230 (149.4767625d) Dec: +85 29 40.91 (85.49470d) Equinox: J2000	Proper Motion RA: -0.01747 sec of time/yr Proper Motion Dec: -0.0253 arcsec/yr Epoch of Position: 1997.19	V=15.9	Reference Frame: ICRS
	<i>Comments: HST FASTEX standard PM, coords from GSC2</i>					

Proposal 12715 - Visit 07 - COS FUV Spectroscopic Sensitivity Monitoring

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
Exposures	1	MIRRORA - BOA ACQ /SEARCH (COS.ta.236 962)	(1) WD0947+857	COS/NUV, ACQ/SEARCH, BOA	MIRRORA	STEP-SIZE=1.767; SCAN-SIZE=2		85.0 Secs [==>]	[1]	
	<i>Comments: SN=60 in 85 seconds, brightest pixel=5.9 cts/s</i>									
	2	MIRRORA - BOA ACQ /IMAGE (COS.ta.236 962)	(1) WD0947+857	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				85.0 Secs [==>]	[1]
	<i>Comments: SN=60 in 85 seconds, 43 counts in region, brightest pixel=5.9 cts/s</i>									
	3	G140L - 110 5 A (COS.sp.236 938)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G140L 1105 A	BUFFER-TIME=24 9; FP-POS=3			250.0 Secs [==>]	[1]
	<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>									
	4	G140L - 123 0 A (COS.sp.236 939)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G140L 1230 A	BUFFER-TIME=24 9; FP-POS=3			250.0 Secs [==>]	[1]
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										
5	G130M - 13 09 A (COS.sp.199 742)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=17 0; FP-POS=3			445.0 Secs [==>]	[2]	
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										
6	G130M - 12 91 A (COS.sp.199 743)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=17 0; FP-POS=3			416.0 Secs [==>]	[2]	
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										
7	G130M - 13 27 A (COS.sp.199 744)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=17 4; FP-POS=3			481.0 Secs [==>]	[2]	
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										



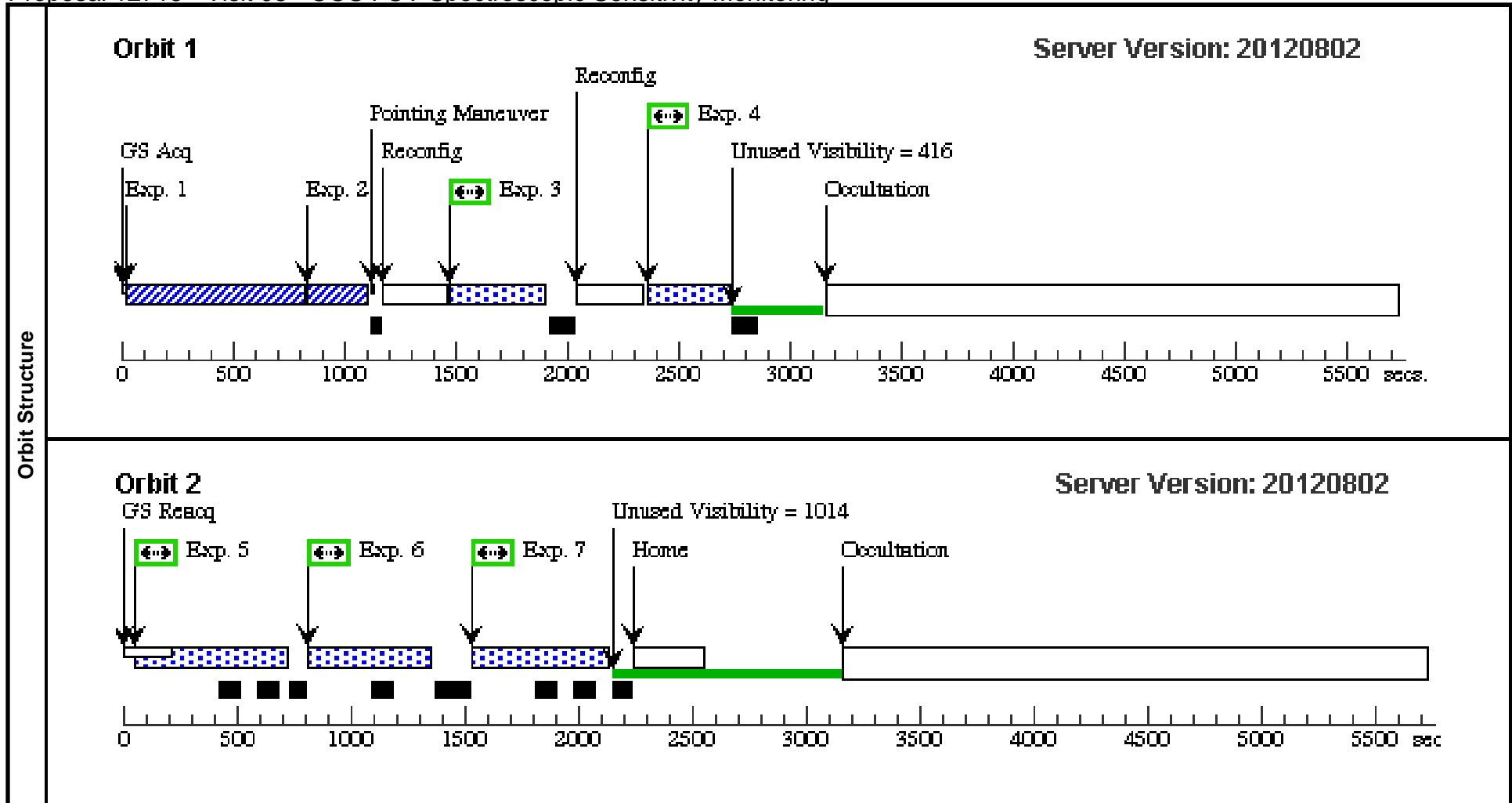
Proposal 12715 - Visit 08 - COS FUV Spectroscopic Sensitivity Monitoring

Sat Sep 29 01:06:51 GMT 2012

Visit	<p>Proposal 12715, Visit 08, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: COS/NUV, COS/FUV</p> <p>Special Requirements: SCHED 100%; BETWEEN 19-MAR-2012:00:00:00 AND 25-MAR-2012:00:00:00</p>					
	<p>(Visit 08) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.</p>					
Diagnosics						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	WD0947+857	RA: 09 57 54.4230 (149.4767625d) Dec: +85 29 40.91 (85.49470d) Equinox: J2000	Proper Motion RA: -0.01747 sec of time/yr Proper Motion Dec: -0.0253 arcsec/yr Epoch of Position: 1997.19	V=15.9	Reference Frame: ICRS
<p><i>Comments: HST FASTEX standard PM, coords from GSC2</i></p>						

Proposal 12715 - Visit 08 - COS FUV Spectroscopic Sensitivity Monitoring

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
Exposures	1	MIRRORA - BOA ACQ /SEARCH (COS.ta.236 962)	(1) WD0947+857	COS/NUV, ACQ/SEARCH, BOA	MIRRORA	STEP-SIZE=1.767; SCAN-SIZE=2		85.0 Secs [==>]	[1]	
	<i>Comments: SN=60 in 85 seconds, brightest pixel=5.9 cts/s</i>									
	2	MIRRORA - BOA ACQ /IMAGE (COS.ta.236 962)	(1) WD0947+857	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				85.0 Secs [==>]	[1]
	<i>Comments: SN=60 in 85 seconds, 43 counts in region, brightest pixel=5.9 cts/s</i>									
	3	G140L - 110 5 A (COS.sp.236 938)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G140L 1105 A	BUFFER-TIME=24 9; FP-POS=3			250.0 Secs [==>]	[1]
	<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>									
	4	G140L - 123 0 A (COS.sp.236 939)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G140L 1230 A	BUFFER-TIME=24 9; FP-POS=3			250.0 Secs [==>]	[1]
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										
5	G130M - 13 09 A (COS.sp.199 742)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=17 0; FP-POS=3			445.0 Secs [==>]	[2]	
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										
6	G130M - 12 91 A (COS.sp.199 743)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=17 0; FP-POS=3			416.0 Secs [==>]	[2]	
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										
7	G130M - 13 27 A (COS.sp.199 744)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=17 4; FP-POS=3			481.0 Secs [==>]	[2]	
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										



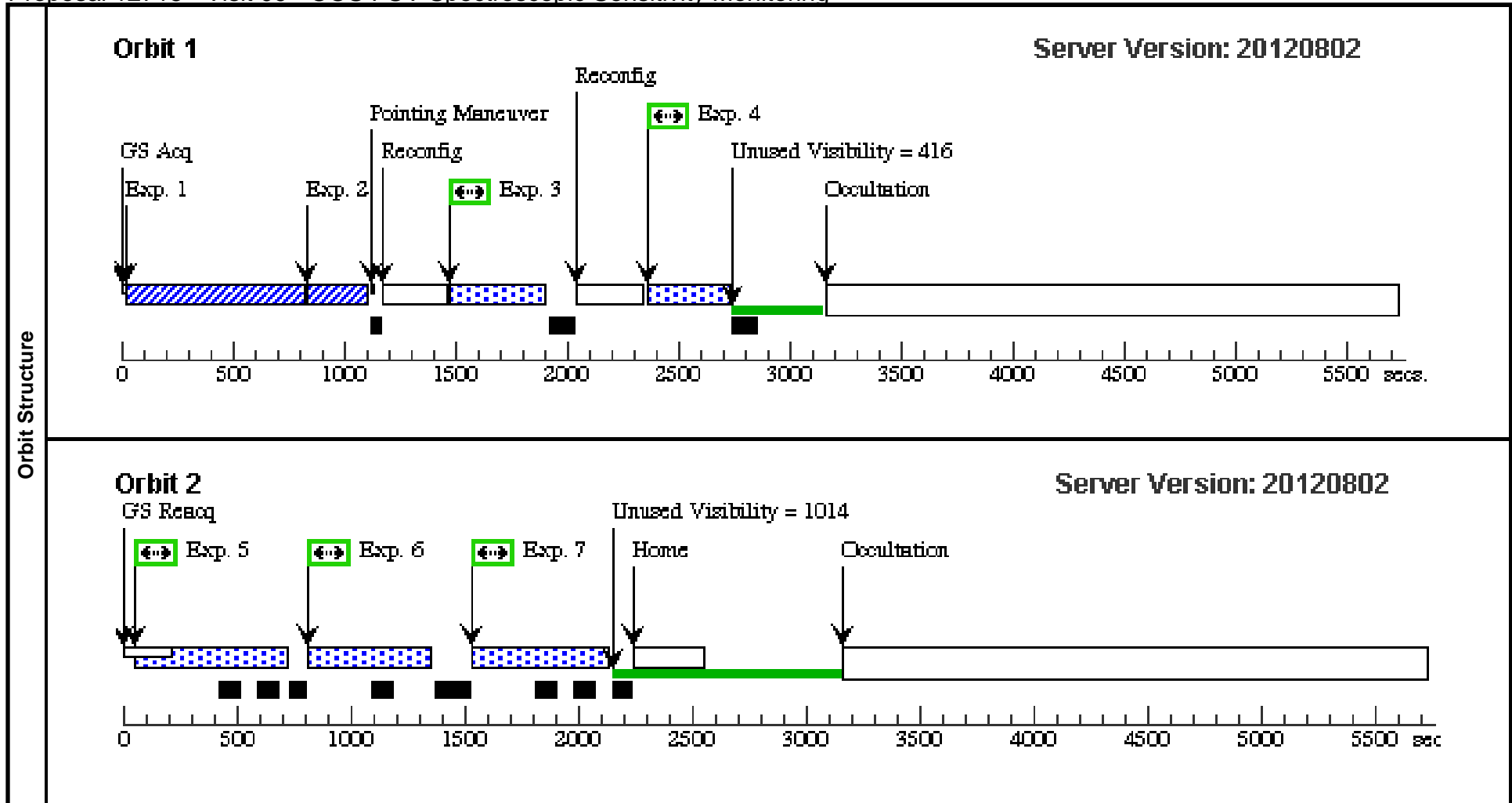
Proposal 12715 - Visit 09 - COS FUV Spectroscopic Sensitivity Monitoring

Sat Sep 29 01:06:53 GMT 2012

Visit	<p>Proposal 12715, Visit 09, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: COS/NUV, COS/FUV</p> <p>Special Requirements: SCHED 100%; BETWEEN 02-APR-2012:00:00:00 AND 08-APR-2012:00:00:00</p>					
	<p>(Visit 09) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.</p>					
Diagnosics						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	WD0947+857	RA: 09 57 54.4230 (149.4767625d) Dec: +85 29 40.91 (85.49470d) Equinox: J2000	Proper Motion RA: -0.01747 sec of time/yr Proper Motion Dec: -0.0253 arcsec/yr Epoch of Position: 1997.19	V=15.9	Reference Frame: ICRS
<p><i>Comments: HST FASTEX standard PM, coords from GSC2</i></p>						

Proposal 12715 - Visit 09 - COS FUV Spectroscopic Sensitivity Monitoring

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
Exposures	1	MIRRORA - BOA ACQ /SEARCH (COS.ta.236 962)	(1) WD0947+857	COS/NUV, ACQ/SEARCH, BOA	MIRRORA	STEP-SIZE=1.767; SCAN-SIZE=2		85.0 Secs [==>]	[1]	
	<i>Comments: SN=60 in 85 seconds, brightest pixel=5.9 cts/s</i>									
	2	MIRRORA - BOA ACQ /IMAGE (COS.ta.236 962)	(1) WD0947+857	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				85.0 Secs [==>]	[1]
	<i>Comments: SN=60 in 85 seconds, 43 counts in region, brightest pixel=5.9 cts/s</i>									
	3	G140L - 110 5 A (COS.sp.236 938)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G140L 1105 A	BUFFER-TIME=24 9; FP-POS=3			250.0 Secs [==>]	[1]
	<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>									
	4	G140L - 123 0 A (COS.sp.236 939)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G140L 1230 A	BUFFER-TIME=24 9; FP-POS=3			250.0 Secs [==>]	[1]
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										
5	G130M - 13 09 A (COS.sp.199 742)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=17 0; FP-POS=3			445.0 Secs [==>]	[2]	
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										
6	G130M - 12 91 A (COS.sp.199 743)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=17 0; FP-POS=3			416.0 Secs [==>]	[2]	
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										
7	G130M - 13 27 A (COS.sp.199 744)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=17 4; FP-POS=3			481.0 Secs [==>]	[2]	
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										



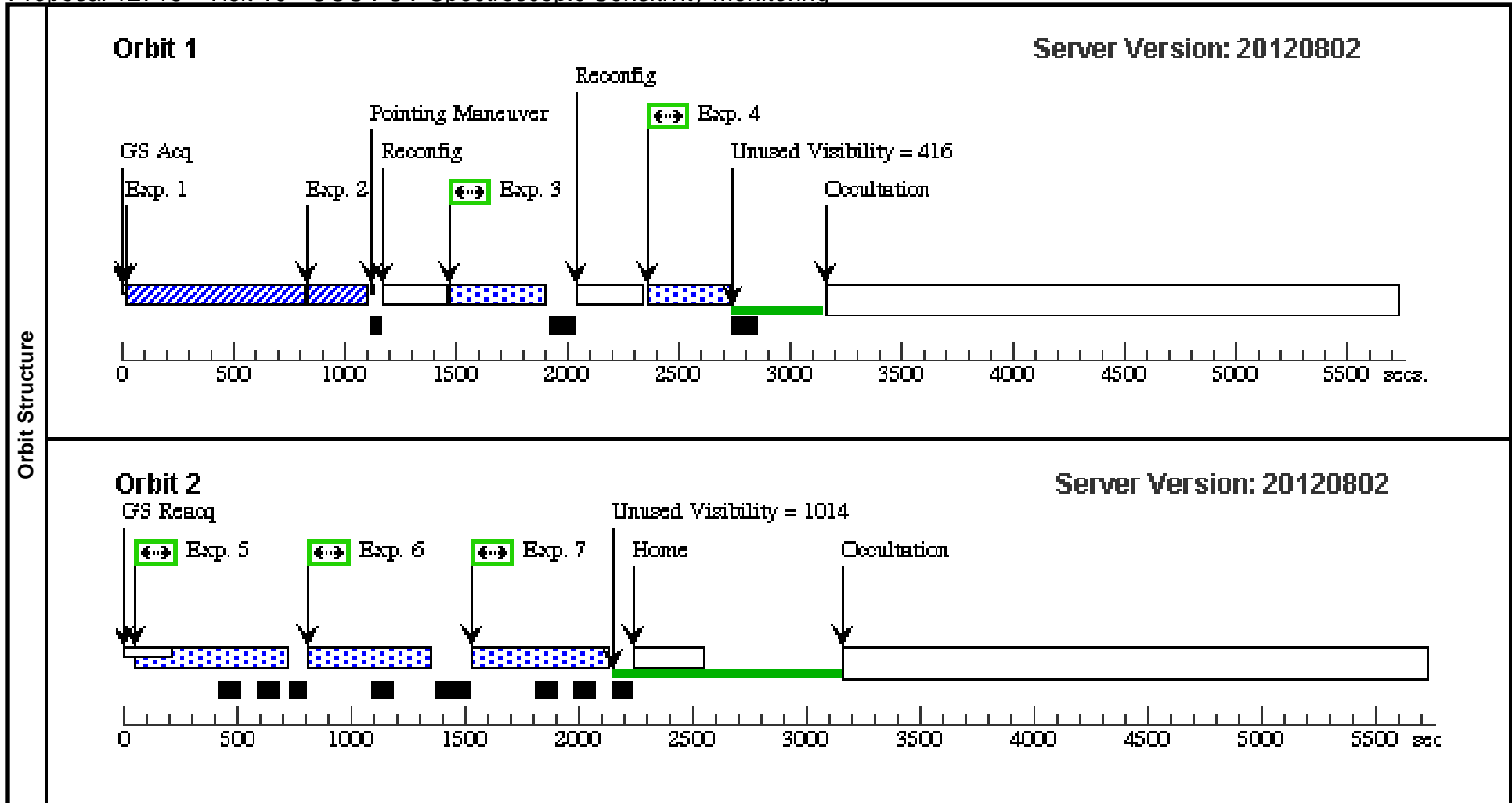
Proposal 12715 - Visit 10 - COS FUV Spectroscopic Sensitivity Monitoring

Sat Sep 29 01:06:55 GMT 2012

Visit	<p>Proposal 12715, Visit 10, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: COS/NUV, COS/FUV</p> <p>Special Requirements: SCHED 100%; BETWEEN 23-APR-2012:00:00:00 AND 29-APR-2012:00:00:00</p>					
Diagnostics	(Visit 10) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	WD0947+857	RA: 09 57 54.4230 (149.4767625d) Dec: +85 29 40.91 (85.49470d) Equinox: J2000	Proper Motion RA: -0.01747 sec of time/yr Proper Motion Dec: -0.0253 arcsec/yr Epoch of Position: 1997.19	V=15.9	Reference Frame: ICRS
	<i>Comments: HST FASTEX standard PM, coords from GSC2</i>					

Proposal 12715 - Visit 10 - COS FUV Spectroscopic Sensitivity Monitoring

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
Exposures	1	MIRRORA - BOA ACQ /SEARCH (COS.ta.236 962)	(1) WD0947+857	COS/NUV, ACQ/SEARCH, BOA	MIRRORA	STEP-SIZE=1.767; SCAN-SIZE=2		85.0 Secs [==>]	[1]	
	<i>Comments: SN=60 in 85 seconds, brightest pixel=5.9 cts/s</i>									
	2	MIRRORA - BOA ACQ /IMAGE (COS.ta.236 962)	(1) WD0947+857	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				85.0 Secs [==>]	[1]
	<i>Comments: SN=60 in 85 seconds, 43 counts in region, brightest pixel=5.9 cts/s</i>									
	3	G140L - 110 5 A (COS.sp.236 938)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G140L 1105 A	BUFFER-TIME=24 9; FP-POS=3			250.0 Secs [==>]	[1]
	<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>									
	4	G140L - 123 0 A (COS.sp.236 939)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G140L 1230 A	BUFFER-TIME=24 9; FP-POS=3			250.0 Secs [==>]	[1]
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										
5	G130M - 13 09 A (COS.sp.199 742)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=17 0; FP-POS=3			445.0 Secs [==>]	[2]	
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										
6	G130M - 12 91 A (COS.sp.199 743)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=17 0; FP-POS=3			416.0 Secs [==>]	[2]	
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										
7	G130M - 13 27 A (COS.sp.199 744)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=17 4; FP-POS=3			481.0 Secs [==>]	[2]	
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										



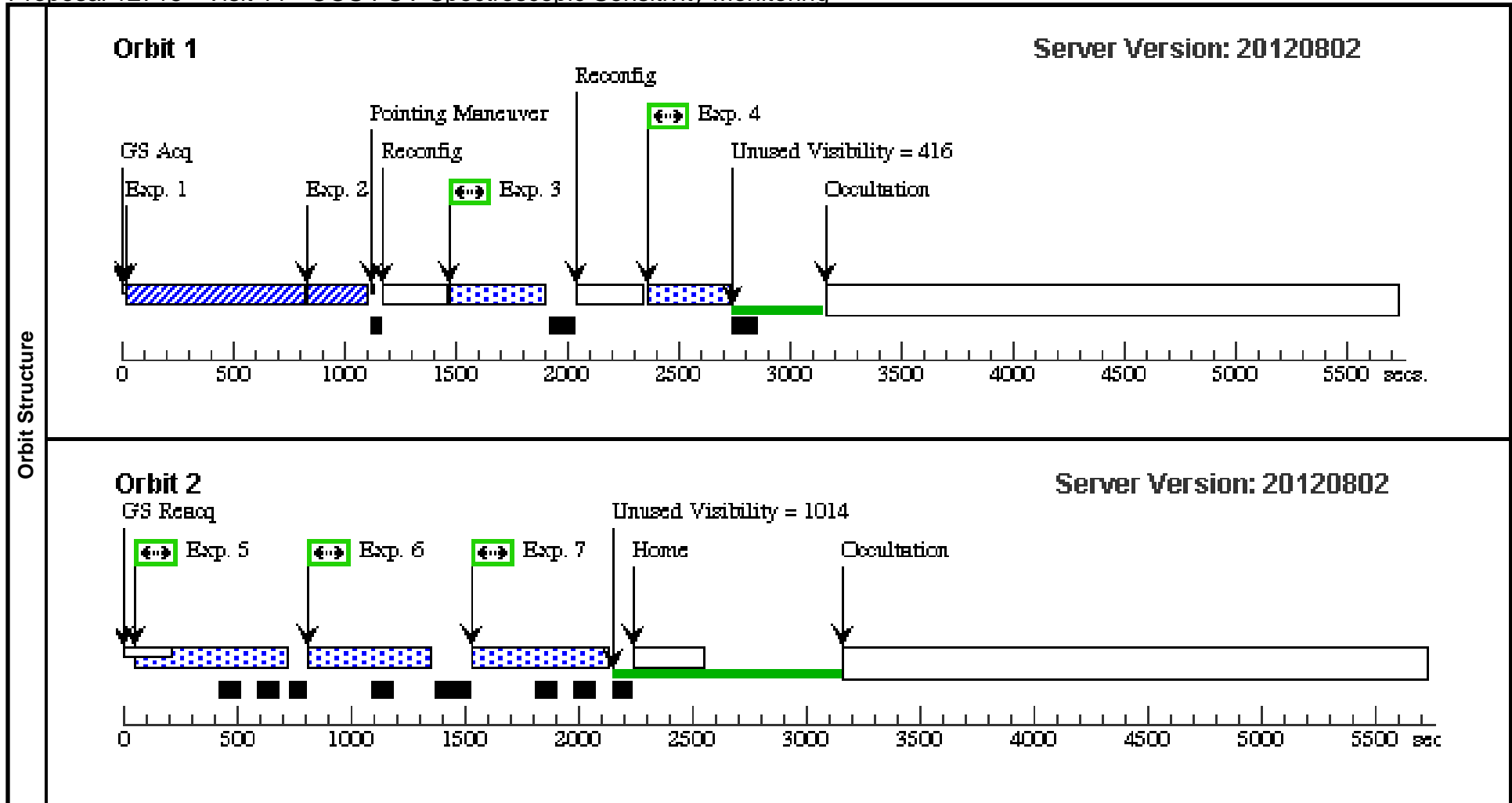
Proposal 12715 - Visit 11 - COS FUV Spectroscopic Sensitivity Monitoring

Sat Sep 29 01:06:56 GMT 2012

Visit	<p>Proposal 12715, Visit 11, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: COS/NUV, COS/FUV</p> <p>Special Requirements: SCHED 100%; BETWEEN 30-APR-2012:00:00:00 AND 06-MAY-2012:00:00:00</p>					
Diagnostics	(Visit 11) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	WD0947+857	RA: 09 57 54.4230 (149.4767625d) Dec: +85 29 40.91 (85.49470d) Equinox: J2000	Proper Motion RA: -0.01747 sec of time/yr Proper Motion Dec: -0.0253 arcsec/yr Epoch of Position: 1997.19	V=15.9	Reference Frame: ICRS
	<i>Comments: HST FASTEX standard PM, coords from GSC2</i>					

Proposal 12715 - Visit 11 - COS FUV Spectroscopic Sensitivity Monitoring

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
Exposures	1	MIRRORA - BOA ACQ /SEARCH (COS.ta.236 962)	(1) WD0947+857	COS/NUV, ACQ/SEARCH, BOA	MIRRORA	STEP-SIZE=1.767; SCAN-SIZE=2		85.0 Secs [==>]	[1]	
	<i>Comments: SN=60 in 85 seconds, brightest pixel=5.9 cts/s</i>									
	2	MIRRORA - BOA ACQ /IMAGE (COS.ta.236 962)	(1) WD0947+857	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				85.0 Secs [==>]	[1]
	<i>Comments: SN=60 in 85 seconds, 43 counts in region, brightest pixel=5.9 cts/s</i>									
	3	G140L - 110 5 A (COS.sp.236 938)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G140L 1105 A	BUFFER-TIME=24 9; FP-POS=3			250.0 Secs [==>]	[1]
	<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>									
	4	G140L - 123 0 A (COS.sp.236 939)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G140L 1230 A	BUFFER-TIME=24 9; FP-POS=3			250.0 Secs [==>]	[1]
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										
5	G130M - 13 09 A (COS.sp.199 742)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=17 0; FP-POS=3			445.0 Secs [==>]	[2]	
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										
6	G130M - 12 91 A (COS.sp.199 743)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=17 0; FP-POS=3			416.0 Secs [==>]	[2]	
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										
7	G130M - 13 27 A (COS.sp.199 744)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=17 4; FP-POS=3			481.0 Secs [==>]	[2]	
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										



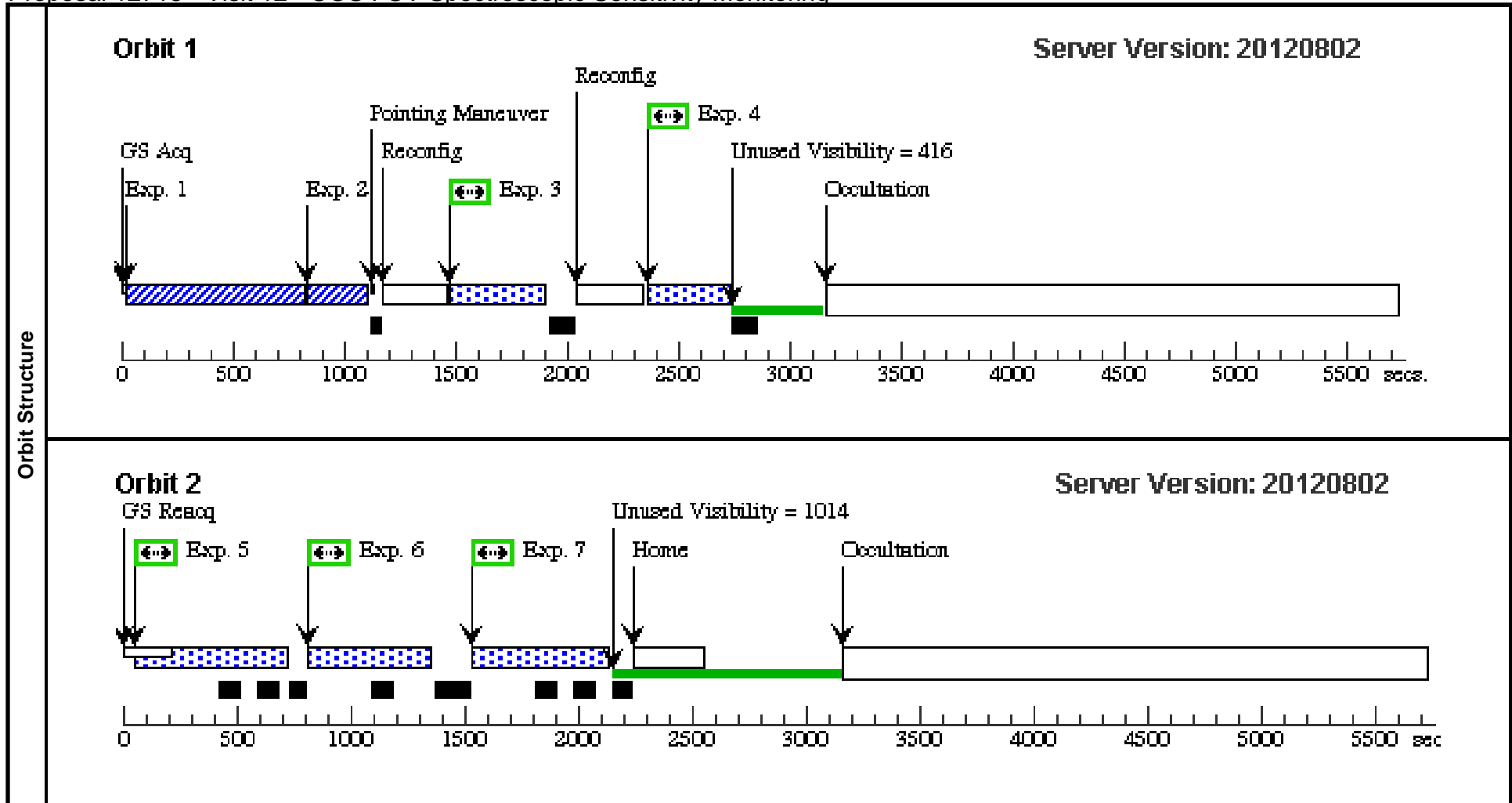
Proposal 12715 - Visit 12 - COS FUV Spectroscopic Sensitivity Monitoring

Sat Sep 29 01:06:58 GMT 2012

Visit	<p>Proposal 12715, Visit 12, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: COS/NUV, COS/FUV</p> <p>Special Requirements: SCHED 100%; BETWEEN 14-JUN-2012:00:00:00 AND 19-JUN-2012:00:00:00</p>					
Diagnostics	(Visit 12) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	WD0947+857	RA: 09 57 54.4230 (149.4767625d) Dec: +85 29 40.91 (85.49470d) Equinox: J2000	Proper Motion RA: -0.01747 sec of time/yr Proper Motion Dec: -0.0253 arcsec/yr Epoch of Position: 1997.19	V=15.9	Reference Frame: ICRS
	<i>Comments: HST FASTEX standard PM, coords from GSC2</i>					

Proposal 12715 - Visit 12 - COS FUV Spectroscopic Sensitivity Monitoring

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
Exposures	1	MIRRORA - BOA ACQ /SEARCH (COS.ta.236 962)	(1) WD0947+857	COS/NUV, ACQ/SEARCH, BOA	MIRRORA	STEP-SIZE=1.767; SCAN-SIZE=2		85.0 Secs [==>]	[1]	
	<i>Comments: SN=60 in 85 seconds, brightest pixel=5.9 cts/s</i>									
	2	MIRRORA - BOA ACQ /IMAGE (COS.ta.236 962)	(1) WD0947+857	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				85.0 Secs [==>]	[1]
	<i>Comments: SN=60 in 85 seconds, 43 counts in region, brightest pixel=5.9 cts/s</i>									
	3	G140L - 110 5 A (COS.sp.236 938)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G140L 1105 A	BUFFER-TIME=24 9; FP-POS=3			250.0 Secs [==>]	[1]
	<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>									
	4	G140L - 123 0 A (COS.sp.236 939)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G140L 1230 A	BUFFER-TIME=24 9; FP-POS=3			250.0 Secs [==>]	[1]
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										
5	G130M - 13 09 A (COS.sp.199 742)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=17 0; FP-POS=3			445.0 Secs [==>]	[2]	
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										
6	G130M - 12 91 A (COS.sp.199 743)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=17 0; FP-POS=3			416.0 Secs [==>]	[2]	
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										
7	G130M - 13 27 A (COS.sp.199 744)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=17 4; FP-POS=3			481.0 Secs [==>]	[2]	
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										



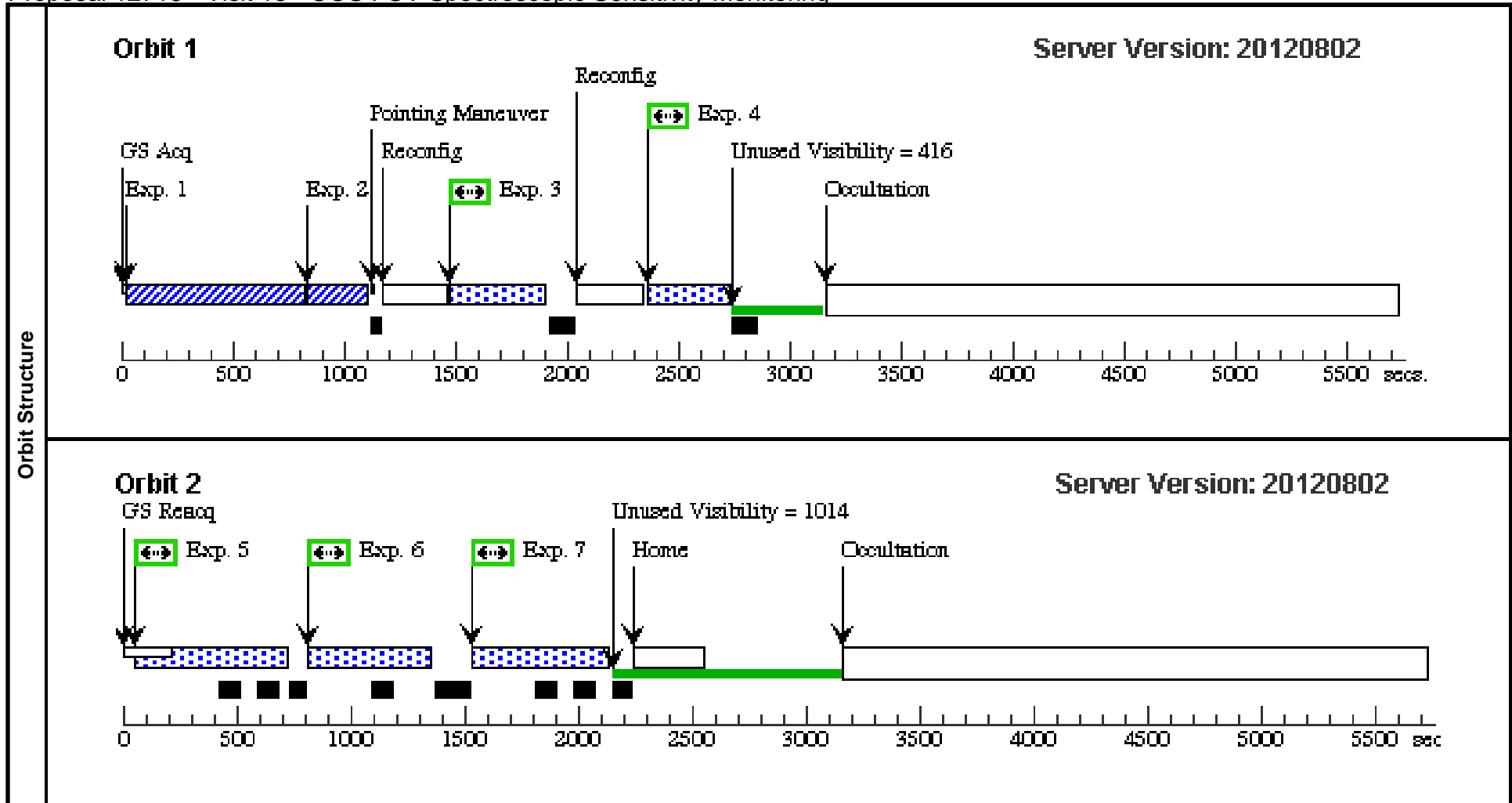
Proposal 12715 - Visit 13 - COS FUV Spectroscopic Sensitivity Monitoring

Sat Sep 29 01:07:00 GMT 2012

Visit	<p>Proposal 12715, Visit 13, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: COS/NUV, COS/FUV</p> <p>Special Requirements: SCHED 100%; BETWEEN 02-JUL-2012:00:00:00 AND 09-JUL-2012:00:00:00</p>					
Diagnostics	(Visit 13) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	WD0947+857	RA: 09 57 54.4230 (149.4767625d) Dec: +85 29 40.91 (85.49470d) Equinox: J2000	Proper Motion RA: -0.01747 sec of time/yr Proper Motion Dec: -0.0253 arcsec/yr Epoch of Position: 1997.19	V=15.9	Reference Frame: ICRS
	<i>Comments: HST FASTEX standard PM, coords from GSC2</i>					

Proposal 12715 - Visit 13 - COS FUV Spectroscopic Sensitivity Monitoring

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
Exposures	1	MIRRORA - BOA ACQ /SEARCH (COS.ta.236 962)	(1) WD0947+857	COS/NUV, ACQ/SEARCH, BOA	MIRRORA	STEP-SIZE=1.767; SCAN-SIZE=2		85.0 Secs [==>]	[1]	
	<i>Comments: SN=60 in 85 seconds, brightest pixel=5.9 cts/s</i>									
	2	MIRRORA - BOA ACQ /IMAGE (COS.ta.236 962)	(1) WD0947+857	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				85.0 Secs [==>]	[1]
	<i>Comments: SN=60 in 85 seconds, 43 counts in region, brightest pixel=5.9 cts/s</i>									
	3	G140L - 110 5 A (COS.sp.236 938)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G140L 1105 A	BUFFER-TIME=24 9; FP-POS=3			250.0 Secs [==>]	[1]
	<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>									
	4	G140L - 123 0 A (COS.sp.236 939)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G140L 1230 A	BUFFER-TIME=24 9; FP-POS=3			250.0 Secs [==>]	[1]
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										
5	G130M - 13 09 A (COS.sp.199 742)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=17 0; FP-POS=3			445.0 Secs [==>]	[2]	
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										
6	G130M - 12 91 A (COS.sp.199 743)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=17 0; FP-POS=3			416.0 Secs [==>]	[2]	
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										
7	G130M - 13 27 A (COS.sp.199 744)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=17 4; FP-POS=3			481.0 Secs [==>]	[2]	
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										



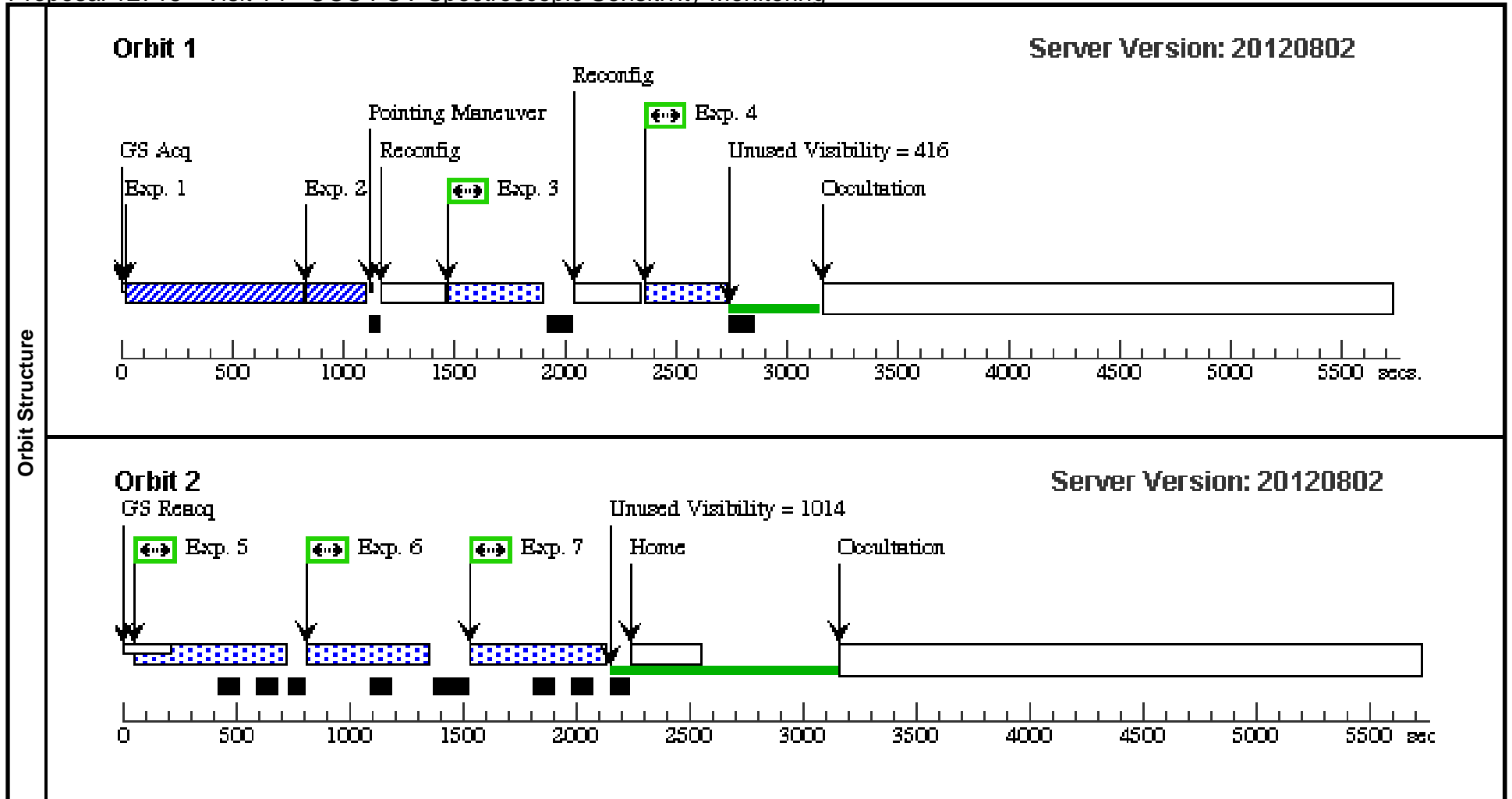
Proposal 12715 - Visit 14 - COS FUV Spectroscopic Sensitivity Monitoring

Sat Sep 29 01:07:02 GMT 2012

Visit	<p>Proposal 12715, Visit 14, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: COS/NUV, COS/FUV</p> <p>Special Requirements: SCHED 100%; BETWEEN 16-JUL-2012:00:00:00 AND 22-JUL-2012:00:00:00</p>					
	<p>(Visit 14) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.</p>					
Diagnosics						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	WD0947+857	RA: 09 57 54.4230 (149.4767625d) Dec: +85 29 40.91 (85.49470d) Equinox: J2000	Proper Motion RA: -0.01747 sec of time/yr Proper Motion Dec: -0.0253 arcsec/yr Epoch of Position: 1997.19	V=15.9	Reference Frame: ICRS
<p><i>Comments: HST FASTEX standard PM, coords from GSC2</i></p>						

Proposal 12715 - Visit 14 - COS FUV Spectroscopic Sensitivity Monitoring

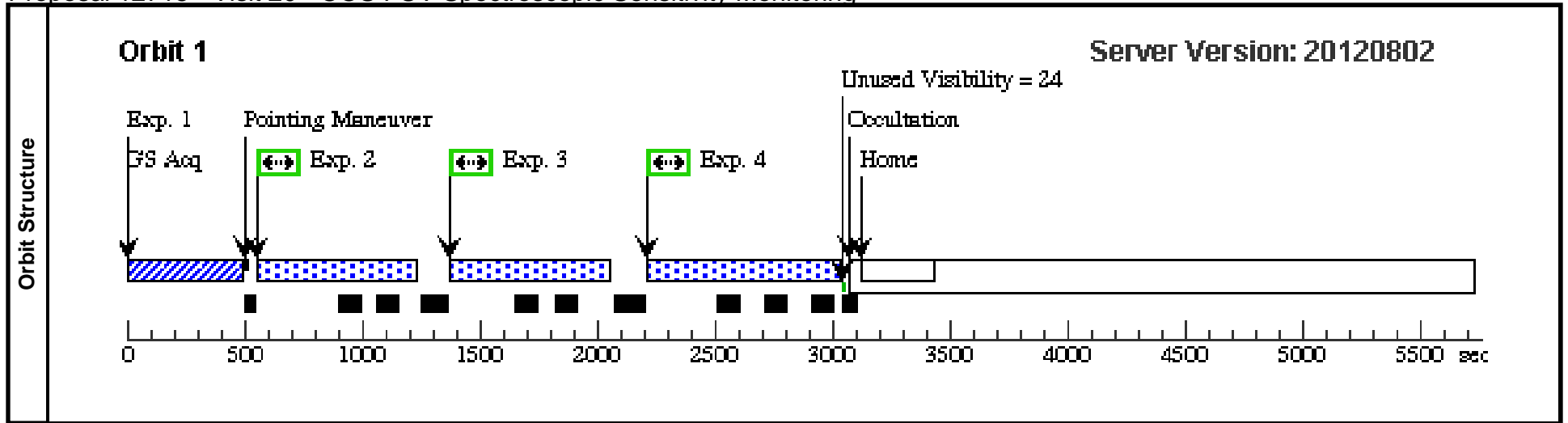
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
Exposures	1	MIRRORA - BOA ACQ /SEARCH (COS.ta.236 962)	(1) WD0947+857	COS/NUV, ACQ/SEARCH, BOA	MIRRORA	STEP-SIZE=1.767; SCAN-SIZE=2		85.0 Secs [==>]	[1]	
	<i>Comments: SN=60 in 85 seconds, brightest pixel=5.9 cts/s</i>									
	2	MIRRORA - BOA ACQ /IMAGE (COS.ta.236 962)	(1) WD0947+857	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				85.0 Secs [==>]	[1]
	<i>Comments: SN=60 in 85 seconds, 43 counts in region, brightest pixel=5.9 cts/s</i>									
	3	G140L - 110 5 A (COS.sp.236 938)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G140L 1105 A	BUFFER-TIME=24 9; FP-POS=3			250.0 Secs [==>]	[1]
	<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>									
	4	G140L - 123 0 A (COS.sp.236 939)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G140L 1230 A	BUFFER-TIME=24 9; FP-POS=3			250.0 Secs [==>]	[1]
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										
5	G130M - 13 09 A (COS.sp.199 742)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=17 0; FP-POS=3			445.0 Secs [==>]	[2]	
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										
6	G130M - 12 91 A (COS.sp.199 743)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=17 0; FP-POS=3			416.0 Secs [==>]	[2]	
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										
7	G130M - 13 27 A (COS.sp.199 744)	(1) WD0947+857	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=17 4; FP-POS=3			481.0 Secs [==>]	[2]	
<i>Comments: exposure times to reach SN of 30 per pixel are increased by a small amount to account for expected sensitivity degradation in Cycle 19.</i>										



Proposal 12715 - Visit 20 - COS FUV Spectroscopic Sensitivity Monitoring

Sat Sep 29 01:07:03 GMT 2012

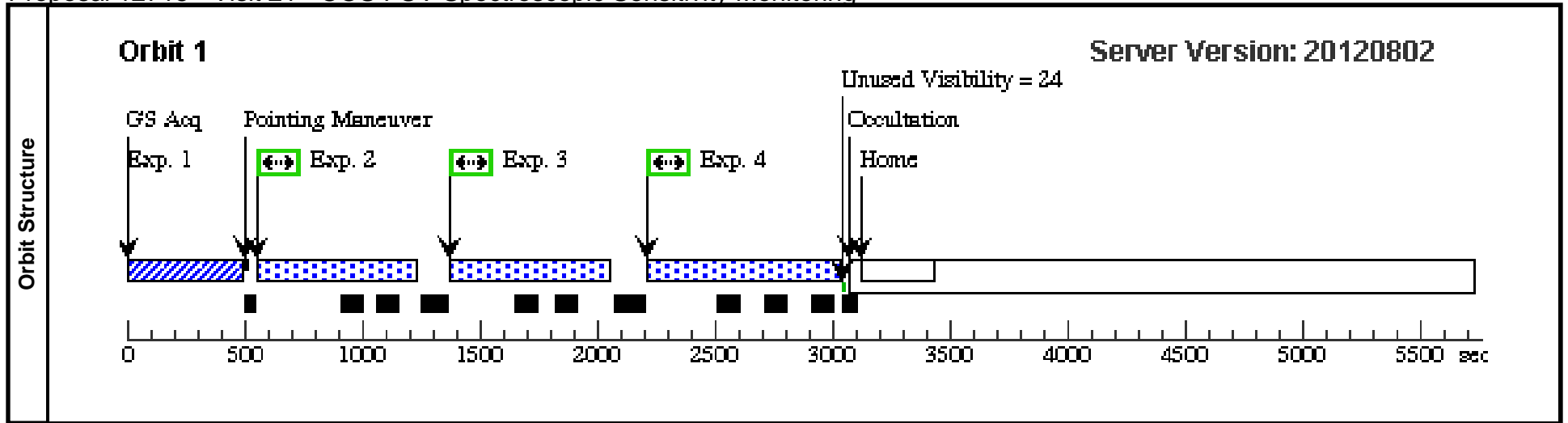
Visit	Proposal 12715, Visit 20, completed Diagnostic Status: Warning Scientific Instruments: COS/NUV, COS/FUV Special Requirements: SCHED 100%; BETWEEN 17-OCT-2011:00:00:00 AND 24-OCT-2011:00:00:00										
	(Visit 20) Warning (Form): If the target coordinates are not known to 0.4" (or better) an ACQ/SEARCH should precede the ACQ/IMAGE. (Visit 20) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous				
	(2)	WD1057+719	RA: 11 00 34.2200 (165.1425833d) Dec: +71 38 2.99 (71.63416d) Equinox: J2000	Proper Motion RA: -0.00973 sec of time/yr Proper Motion Dec: -0.02 arcsec/yr Epoch of Position: 2000.0		V=14.68	Reference Frame: ICRS				
Comments: HST FASTEX standard PM, coords from USNOB GSC2 coords are 11:00:34.25, +71:38:02.97 1997.19 epoch											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1	MIRRORA - ACQ/IMA GE (COS.ta.236 980)	(2) WD1057+719	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				40.0 Secs [==>]	[1]	
	Comments: Spectroscopic acquisition for G160M										
	2	G160M - 15 77 (COS.sp.236 973)	(2) WD1057+719	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=14 9; FP-POS=3				463.0 Secs [==>]	[1]
	Comments: exposure times increased to account for sensitivity degradation. Nominal requirement is SNR=30 per resel at the central wavelength, however there is a large disparity between SNR on segment A and B, so t_exp was adjusted to give a reasonable compromise on both detectors.										
3	G160M - 16 00 (COS.sp.236 974)	(2) WD1057+719	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=17 2; FP-POS=3				556.0 Secs [==>]	[1]	
Comments: exposure times increased to account for sensitivity degradation. Nominal requirement is SNR=30 per resel at the central wavelength, however there is a large disparity between SNR on segment A and B, so t_exp was adjusted to give a reasonable compromise on both detectors.											
4	G160M - 16 23 (COS.sp.236 977)	(2) WD1057+719	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=19 8; FP-POS=3				700.0 Secs [==>]	[1]	
Comments: exposure times increased to account for sensitivity degradation. Nominal requirement is SNR=30 per resel at the central wavelength, however there is a large disparity between SNR on segment A and B, so t_exp was adjusted to give a reasonable compromise on both detectors.											



Proposal 12715 - Visit 21 - COS FUV Spectroscopic Sensitivity Monitoring

Sat Sep 29 01:07:04 GMT 2012

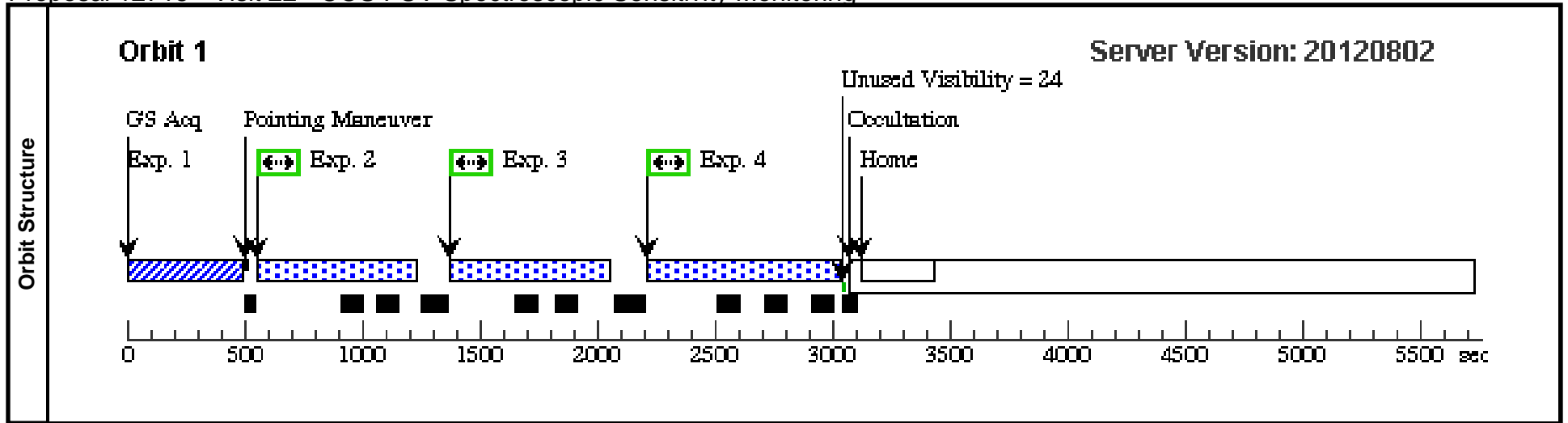
Visit	Proposal 12715, Visit 21, completed Diagnostic Status: Warning Scientific Instruments: COS/NUV, COS/FUV Special Requirements: SCHED 100%; BETWEEN 14-NOV-2011:00:00:00 AND 28-NOV-2011:00:00:00																																																																																																			
Diagnostics	(Visit 21) Warning (Form): If the target coordinates are not known to 0.4" (or better) an ACQ/SEARCH should precede the ACQ/IMAGE. (Visit 21) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.																																																																																																			
Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(2)</td> <td>WD1057+719</td> <td>RA: 11 00 34.2200 (165.1425833d) Dec: +71 38 2.99 (71.63416d) Equinox: J2000</td> <td>Proper Motion RA: -0.00973 sec of time/yr Proper Motion Dec: -0.02 arcsec/yr Epoch of Position: 2000.0</td> <td>V=14.68</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: HST FASTEX standard PM, coords from USNOB GSC2 coords are 11:00:34.25, +71:38:02.97 1997.19 epoch</i></p>										#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(2)	WD1057+719	RA: 11 00 34.2200 (165.1425833d) Dec: +71 38 2.99 (71.63416d) Equinox: J2000	Proper Motion RA: -0.00973 sec of time/yr Proper Motion Dec: -0.02 arcsec/yr Epoch of Position: 2000.0	V=14.68	Reference Frame: ICRS																																																																														
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Proposal 12715 - Visit 22 - COS FUV Spectroscopic Sensitivity Monitoring

Sat Sep 29 01:07:05 GMT 2012

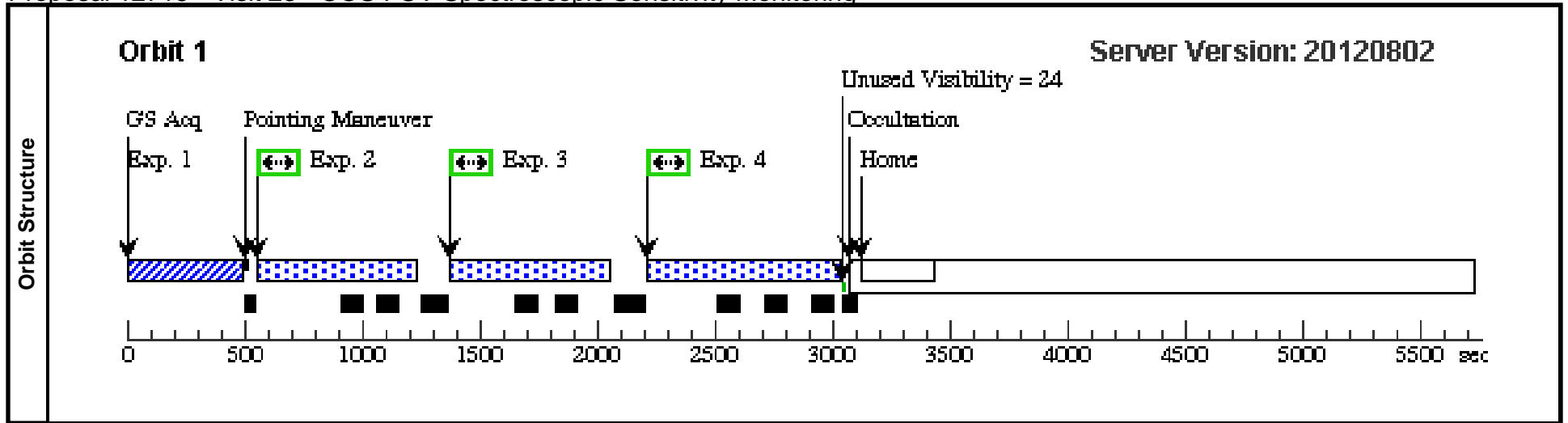
Visit	Proposal 12715, Visit 22, completed Diagnostic Status: Warning Scientific Instruments: COS/NUV, COS/FUV Special Requirements: SCHED 100%; BETWEEN 26-DEC-2011:00:00:00 AND 09-JAN-2012:00:00:00									
	(Visit 22) Warning (Form): If the target coordinates are not known to 0.4" (or better) an ACQ/SEARCH should precede the ACQ/IMAGE. (Visit 22) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(2)	WD1057+719	RA: 11 00 34.2200 (165.1425833d) Dec: +71 38 2.99 (71.63416d) Equinox: J2000	Proper Motion RA: -0.00973 sec of time/yr Proper Motion Dec: -0.02 arcsec/yr Epoch of Position: 2000.0		V=14.68	Reference Frame: ICRS			
<i>Comments: HST FASTEX standard PM, coords from USNOB GSC2 coords are 11:00:34.25, +71:38:02.97 1997.19 epoch</i>										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	MIRRORA - ACQ/IMA GE (COS.ta.236 980)	(2) WD1057+719	COS/NUV, ACQ/IMAGE, BOA	MIRRORA		GS ACQ SCENARI O BASE1B3		40.0 Secs [==>]	[1]
	<i>Comments: Spectroscopic acquisition for G160M</i>									
	2	G160M - 15 77 (COS.sp.236 973)	(2) WD1057+719	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=15 0; FP-POS=3			463.0 Secs [==>]	[1]
	<i>Comments: exposure times increased to account for sensitivity degradation. Nominal requirement is SNR=30 per resel at the central wavelength, however there is a large disparity between SNR on segment A and B, so t_exp was adjusted to give a reasonable compromise on both detectors.</i>									
3	G160M - 16 00 (COS.sp.236 974)	(2) WD1057+719	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=17 2; FP-POS=3			556.0 Secs [==>]	[1]	
<i>Comments: exposure times increased to account for sensitivity degradation. Nominal requirement is SNR=30 per resel at the central wavelength, however there is a large disparity between SNR on segment A and B, so t_exp was adjusted to give a reasonable compromise on both detectors.</i>										
4	G160M - 16 23 (COS.sp.236 977)	(2) WD1057+719	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=19 8; FP-POS=3			700.0 Secs [==>]	[1]	
<i>Comments: exposure times increased to account for sensitivity degradation. Nominal requirement is SNR=30 per resel at the central wavelength, however there is a large disparity between SNR on segment A and B, so t_exp was adjusted to give a reasonable compromise on both detectors.</i>										



Proposal 12715 - Visit 23 - COS FUV Spectroscopic Sensitivity Monitoring

Sat Sep 29 01:07:06 GMT 2012

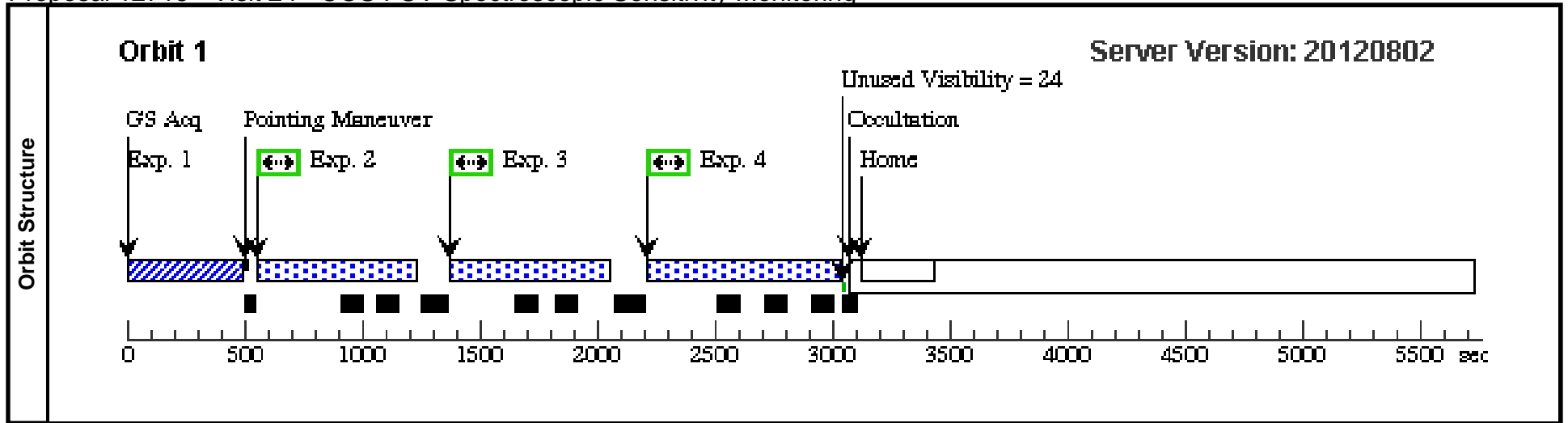
Visit	Proposal 12715, Visit 23, completed Diagnostic Status: Warning Scientific Instruments: COS/NUV, COS/FUV Special Requirements: SCHED 100%; BETWEEN 23-JAN-2012:00:00:00 AND 13-FEB-2012:00:00:00																																																																																																			
Diagnostics	(Visit 23) Warning (Form): If the target coordinates are not known to 0.4" (or better) an ACQ/SEARCH should precede the ACQ/IMAGE. (Visit 23) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.																																																																																																			
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Proposal 12715 - Visit 24 - COS FUV Spectroscopic Sensitivity Monitoring

Sat Sep 29 01:07:06 GMT 2012

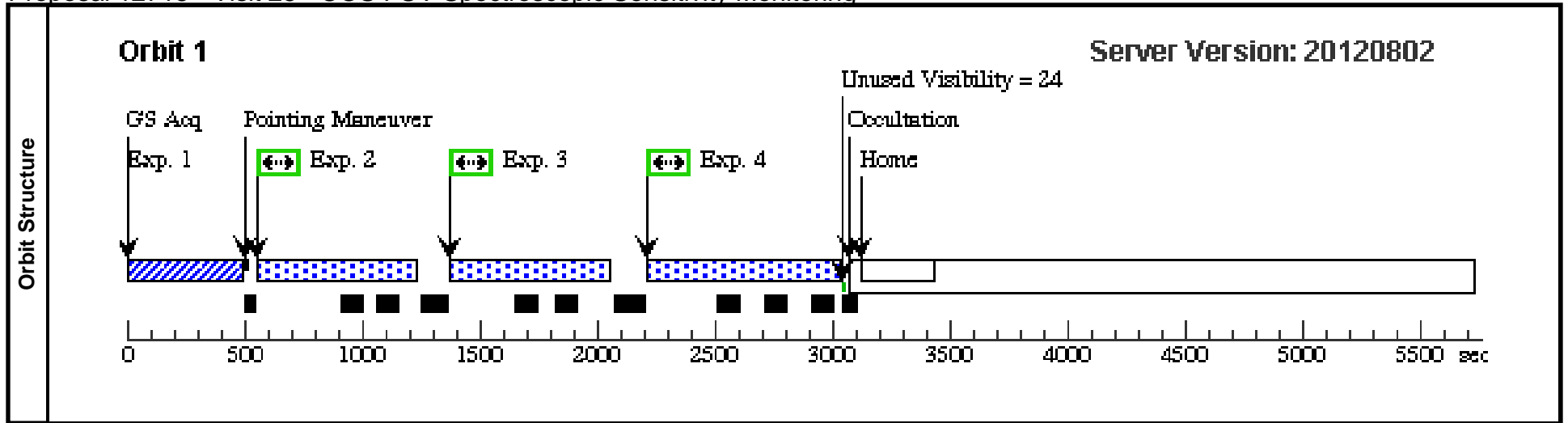
Visit	Proposal 12715, Visit 24, completed Diagnostic Status: Warning Scientific Instruments: COS/NUV, COS/FUV Special Requirements: SCHED 100%; BETWEEN 06-FEB-2012:00:00:00 AND 13-FEB-2012:00:00:00										
	(Visit 24) Warning (Form): If the target coordinates are not known to 0.4" (or better) an ACQ/SEARCH should precede the ACQ/IMAGE. (Visit 24) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
	(2)	WD1057+719	RA: 11 00 34.2200 (165.1425833d) Dec: +71 38 2.99 (71.63416d) Equinox: J2000	Proper Motion RA: -0.00973 sec of time/yr Proper Motion Dec: -0.02 arcsec/yr Epoch of Position: 2000.0	V=14.68	Reference Frame: ICRS					
<i>Comments: HST FASTEX standard PM, coords from USNOB GSC2 coords are 11:00:34.25, +71:38:02.97 1997.19 epoch</i>											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1	MIRRORA - ACQ/IMA GE (COS.ta.236 980)	(2) WD1057+719	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				40.0 Secs [==>]	[1]	
	<i>Comments: Spectroscopic acquisition for G160M</i>										
	2	G160M - 15 77 (COS.sp.236 973)	(2) WD1057+719	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=15 0; FP-POS=3				463.0 Secs [==>]	[1]
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4	G160M - 16 23 (COS.sp.236 977)	(2) WD1057+719	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=19 8; FP-POS=3				700.0 Secs [==>]	[1]	
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Proposal 12715 - Visit 25 - COS FUV Spectroscopic Sensitivity Monitoring

Sat Sep 29 01:07:07 GMT 2012

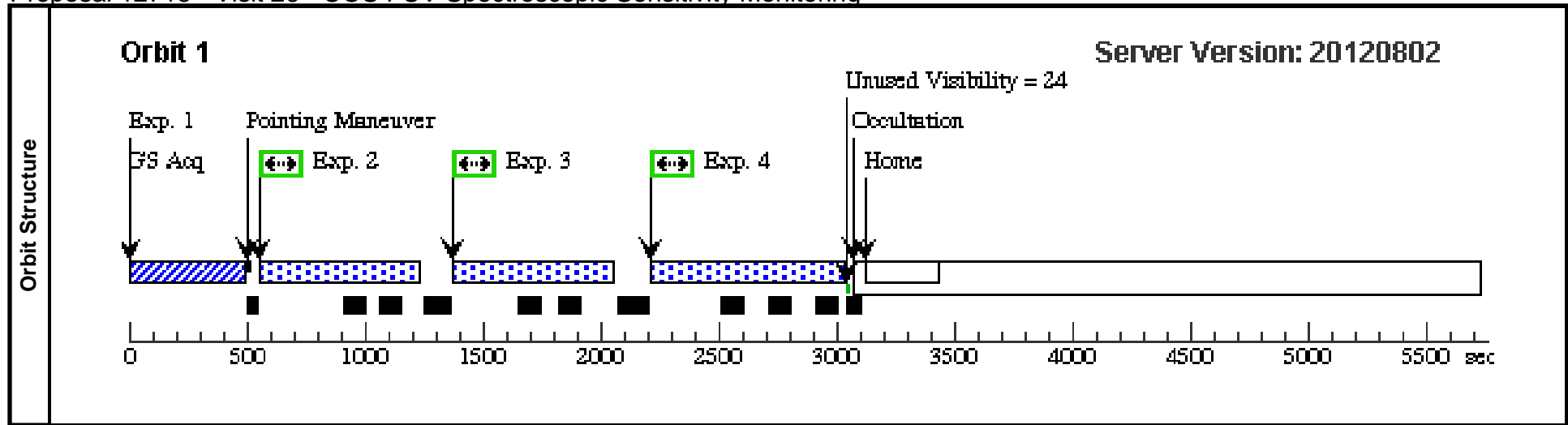
Visit	Proposal 12715, Visit 25, completed Diagnostic Status: Warning Scientific Instruments: COS/NUV, COS/FUV Special Requirements: SCHED 100%; BETWEEN 20-FEB-2012:00:00:00 AND 26-FEB-2012:00:00:00																																																																																																			
Diagnostics	(Visit 25) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting. (Visit 25) Warning (Form): If the target coordinates are not known to 0.4" (or better) an ACQ/SEARCH should precede the ACQ/IMAGE.																																																																																																			
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Proposal 12715 - Visit 26 - COS FUV Spectroscopic Sensitivity Monitoring

Sat Sep 29 01:07:08 GMT 2012

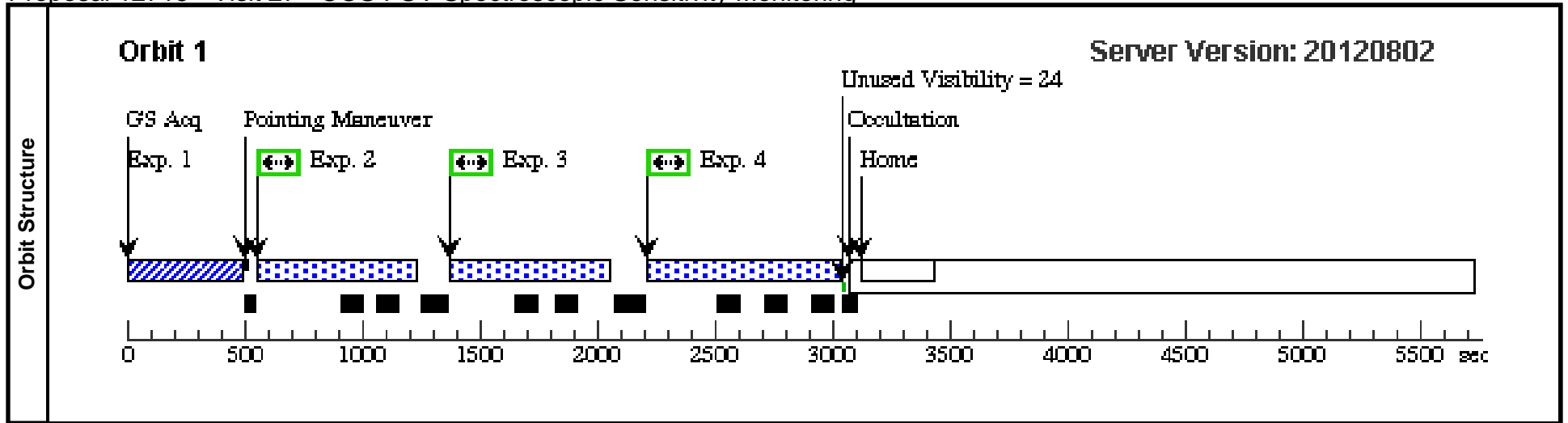
Visit	Proposal 12715, Visit 26, completed Diagnostic Status: Warning Scientific Instruments: COS/NUV, COS/FUV Special Requirements: SCHED 100%; BETWEEN 05-MAR-2012:00:00:00 AND 11-MAR-2012:00:00:00										
	(Visit 26) Warning (Form): If the target coordinates are not known to 0.4" (or better) an ACQ/SEARCH should precede the ACQ/IMAGE. (Visit 26) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous				
	(2)	WD1057+719	RA: 11 00 34.2200 (165.1425833d) Dec: +71 38 2.99 (71.63416d) Equinox: J2000	Proper Motion RA: -0.00973 sec of time/yr Proper Motion Dec: -0.02 arcsec/yr Epoch of Position: 2000.0		V=14.68	Reference Frame: ICRS				
Comments: HST FASTEX standard PM, coords from USNOB GSC2 coords are 11:00:34.25, +71:38:02.97 1997.19 epoch											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1	MIRRORA - ACQ/IMA GE (COS.ta.236 980)	(2) WD1057+719	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				40.0 Secs [==>]	[1]	
	Comments: Spectroscopic acquisition for G160M										
	2	G160M - 15 77 (COS.sp.236 973)	(2) WD1057+719	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=15 0; FP-POS=3				463.0 Secs [==>]	[1]
	Comments: exposure times increased to account for sensitivity degradation. Nominal requirement is SNR=30 per resel at the central wavelength, however there is a large disparity between SNR on segment A and B, so t_exp was adjusted to give a reasonable compromise on both detectors.										
3	G160M - 16 00 (COS.sp.236 974)	(2) WD1057+719	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=17 2; FP-POS=3				556.0 Secs [==>]	[1]	
Comments: exposure times increased to account for sensitivity degradation. Nominal requirement is SNR=30 per resel at the central wavelength, however there is a large disparity between SNR on segment A and B, so t_exp was adjusted to give a reasonable compromise on both detectors.											
4	G160M - 16 23 (COS.sp.236 977)	(2) WD1057+719	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=19 8; FP-POS=3				700.0 Secs [==>]	[1]	
Comments: exposure times increased to account for sensitivity degradation. Nominal requirement is SNR=30 per resel at the central wavelength, however there is a large disparity between SNR on segment A and B, so t_exp was adjusted to give a reasonable compromise on both detectors.											



Proposal 12715 - Visit 27 - COS FUV Spectroscopic Sensitivity Monitoring

Sat Sep 29 01:07:09 GMT 2012

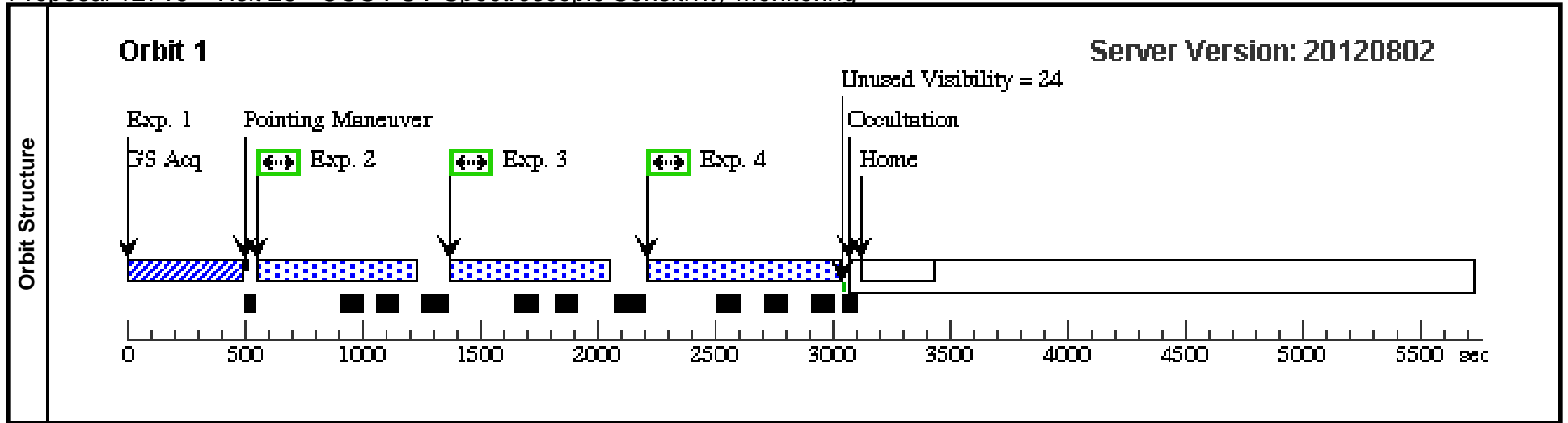
Visit	Proposal 12715, Visit 27, completed Diagnostic Status: Warning Scientific Instruments: COS/NUV, COS/FUV Special Requirements: SCHED 100%; BETWEEN 19-MAR-2012:00:00:00 AND 25-MAR-2012:00:00:00																																																																																																			
Diagnostics	(Visit 27) Warning (Form): If the target coordinates are not known to 0.4" (or better) an ACQ/SEARCH should precede the ACQ/IMAGE. (Visit 27) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.																																																																																																			
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Proposal 12715 - Visit 28 - COS FUV Spectroscopic Sensitivity Monitoring

Sat Sep 29 01:07:09 GMT 2012

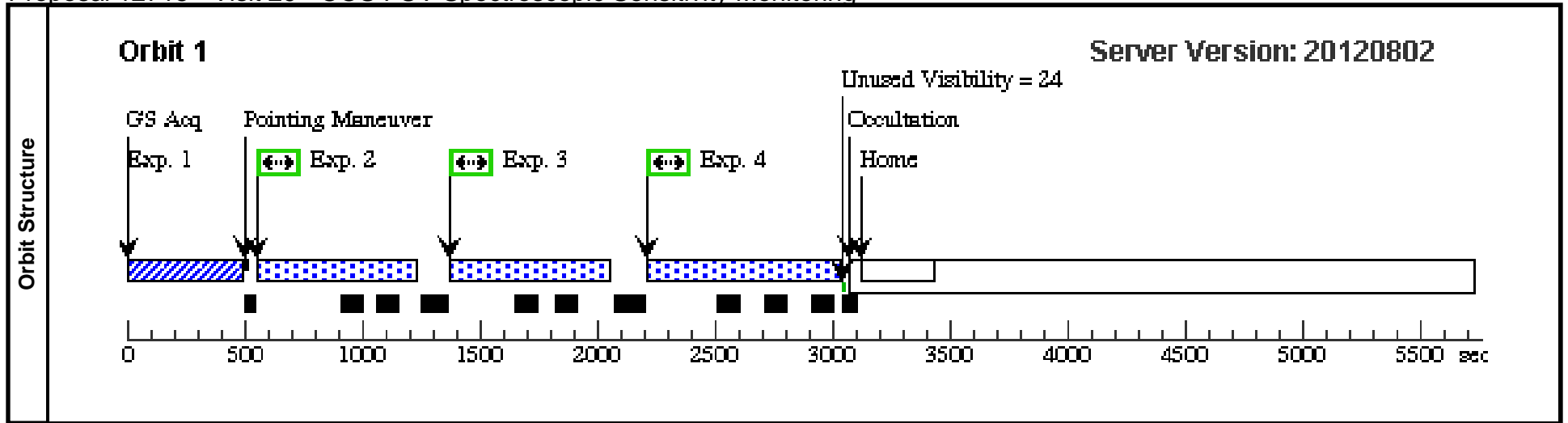
Visit	Proposal 12715, Visit 28, completed Diagnostic Status: Warning Scientific Instruments: COS/NUV, COS/FUV Special Requirements: SCHED 100%; BETWEEN 02-APR-2012:00:00:00 AND 08-APR-2012:00:00:00										
	(Visit 28) Warning (Form): If the target coordinates are not known to 0.4" (or better) an ACQ/SEARCH should precede the ACQ/IMAGE. (Visit 28) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous				
	(2)	WD1057+719	RA: 11 00 34.2200 (165.1425833d) Dec: +71 38 2.99 (71.63416d) Equinox: J2000	Proper Motion RA: -0.00973 sec of time/yr Proper Motion Dec: -0.02 arcsec/yr Epoch of Position: 2000.0		V=14.68	Reference Frame: ICRS				
Comments: HST FASTEX standard PM, coords from USNOB GSC2 coords are 11:00:34.25, +71:38:02.97 1997.19 epoch											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1	MIRRORA - ACQ/IMA GE (COS.ta.236 980)	(2) WD1057+719	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				40.0 Secs [==>]	[1]	
	Comments: Spectroscopic acquisition for G160M										
	2	G160M - 15 77 (COS.sp.236 973)	(2) WD1057+719	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=15 0; FP-POS=3				463.0 Secs [==>]	[1]
	Comments: exposure times increased to account for sensitivity degradation. Nominal requirement is SNR=30 per resel at the central wavelength, however there is a large disparity between SNR on segment A and B, so t_exp was adjusted to give a reasonable compromise on both detectors.										
3	G160M - 16 00 (COS.sp.236 974)	(2) WD1057+719	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=17 2; FP-POS=3				556.0 Secs [==>]	[1]	
Comments: exposure times increased to account for sensitivity degradation. Nominal requirement is SNR=30 per resel at the central wavelength, however there is a large disparity between SNR on segment A and B, so t_exp was adjusted to give a reasonable compromise on both detectors.											
4	G160M - 16 23 (COS.sp.236 977)	(2) WD1057+719	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=19 8; FP-POS=3				700.0 Secs [==>]	[1]	
Comments: exposure times increased to account for sensitivity degradation. Nominal requirement is SNR=30 per resel at the central wavelength, however there is a large disparity between SNR on segment A and B, so t_exp was adjusted to give a reasonable compromise on both detectors.											



Proposal 12715 - Visit 29 - COS FUV Spectroscopic Sensitivity Monitoring

Sat Sep 29 01:07:10 GMT 2012

Visit	Proposal 12715, Visit 29, completed Diagnostic Status: Warning Scientific Instruments: COS/NUV, COS/FUV Special Requirements: SCHED 100%; BETWEEN 16-APR-2012:00:00:00 AND 22-APR-2012:00:00:00										
	(Visit 29) Warning (Form): If the target coordinates are not known to 0.4" (or better) an ACQ/SEARCH should precede the ACQ/IMAGE. (Visit 29) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes	Miscellaneous				
	(2)	WD1057+719	RA: 11 00 34.2200 (165.1425833d) Dec: +71 38 2.99 (71.63416d) Equinox: J2000	Proper Motion RA: -0.00973 sec of time/yr Proper Motion Dec: -0.02 arcsec/yr Epoch of Position: 2000.0		V=14.68	Reference Frame: ICRS				
Comments: HST FASTEX standard PM, coords from USNOB GSC2 coords are 11:00:34.25, +71:38:02.97 1997.19 epoch											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1	MIRRORA - ACQ/IMA GE (COS.ta.236 980)	(2) WD1057+719	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				40.0 Secs [==>]	[1]	
	Comments: Spectroscopic acquisition for G160M										
	2	G160M - 15 77 (COS.sp.236 973)	(2) WD1057+719	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=15 0; FP-POS=3				463.0 Secs [==>]	[1]
	Comments: exposure times increased to account for sensitivity degradation. Nominal requirement is SNR=30 per resel at the central wavelength, however there is a large disparity between SNR on segment A and B, so t_exp was adjusted to give a reasonable compromise on both detectors.										
3	G160M - 16 00 (COS.sp.236 974)	(2) WD1057+719	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=17 2; FP-POS=3				556.0 Secs [==>]	[1]	
Comments: exposure times increased to account for sensitivity degradation. Nominal requirement is SNR=30 per resel at the central wavelength, however there is a large disparity between SNR on segment A and B, so t_exp was adjusted to give a reasonable compromise on both detectors.											
4	G160M - 16 23 (COS.sp.236 977)	(2) WD1057+719	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=19 8; FP-POS=3				700.0 Secs [==>]	[1]	
Comments: exposure times increased to account for sensitivity degradation. Nominal requirement is SNR=30 per resel at the central wavelength, however there is a large disparity between SNR on segment A and B, so t_exp was adjusted to give a reasonable compromise on both detectors.											



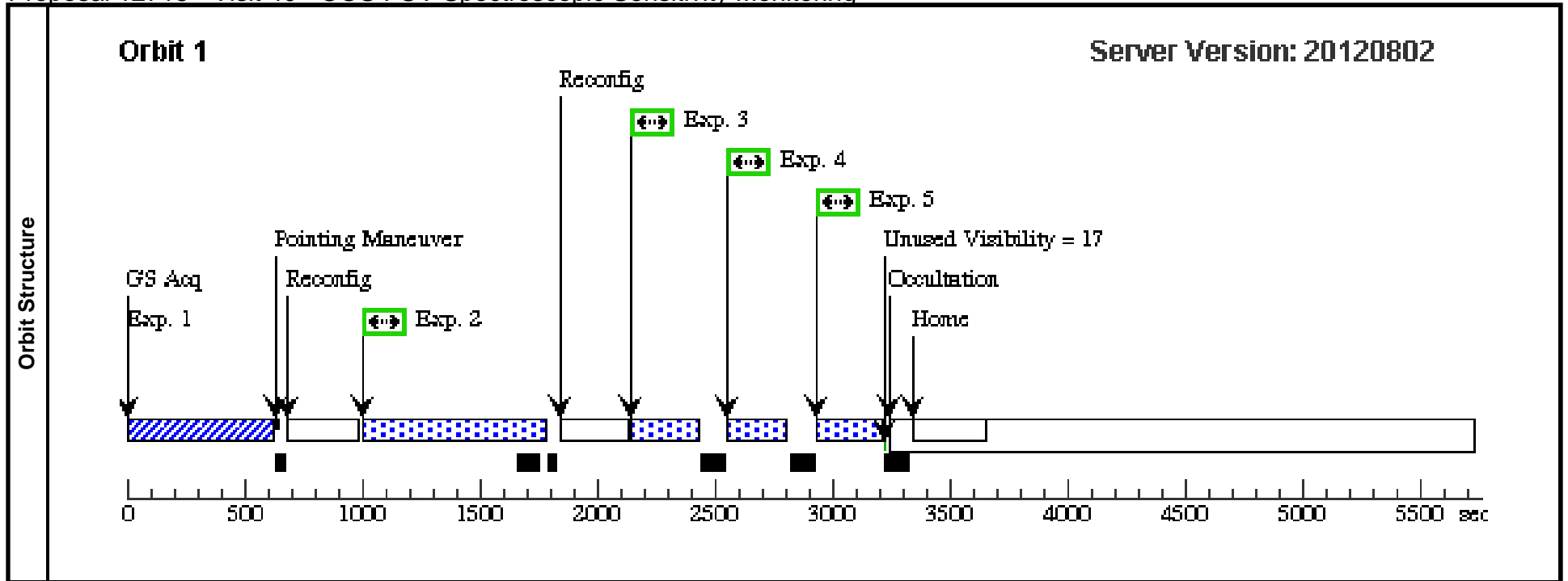
Proposal 12715 - Visit 40 - COS FUV Spectroscopic Sensitivity Monitoring

Sat Sep 29 01:07:11 GMT 2012

Visit	<p>Proposal 12715, Visit 40, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: COS/NUV, COS/FUV</p> <p>Special Requirements: BETWEEN 12-AUG-2012:00:00:00 AND 30-SEP-2012:00:00:00</p> <p><i>Comments: 1 orbit visit of the new target at the new position. This visit covers:</i></p> <p><i>G130M/1096 FUVB</i></p> <p><i>G160M:</i></p> <p><i>1577/FUVA</i></p> <p><i>1600/FUVA</i></p> <p><i>1623/FUVA</i></p>																	
	<p>(Visit 40) Warning (Form): If the target coordinates are not known to 0.4" (or better) an ACQ/SEARCH should precede the ACQ/IMAGE.</p> <p>(Visit 40) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.</p>																	
Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(4)</td> <td>GD71</td> <td>RA: 05 52 27.6100 (88.1150417d) Dec: +15 53 13.80 (15.88717d) Equinox: J2000</td> <td>Proper Motion RA: 85 mas/yr Proper Motion Dec: -174 mas/yr Epoch of Position: 2000</td> <td>V=13.06+/-0.01</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: Use sma RA, DEC and PM as in proposal 12392 by Bohlin et al.</i></p>						#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(4)	GD71	RA: 05 52 27.6100 (88.1150417d) Dec: +15 53 13.80 (15.88717d) Equinox: J2000	Proper Motion RA: 85 mas/yr Proper Motion Dec: -174 mas/yr Epoch of Position: 2000	V=13.06+/-0.01	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous												
(4)	GD71	RA: 05 52 27.6100 (88.1150417d) Dec: +15 53 13.80 (15.88717d) Equinox: J2000	Proper Motion RA: 85 mas/yr Proper Motion Dec: -174 mas/yr Epoch of Position: 2000	V=13.06+/-0.01	Reference Frame: ICRS													

Proposal 12715 - Visit 40 - COS FUV Spectroscopic Sensitivity Monitoring

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1	ACQ/IM (404797)	(4) GD71	COS/NUV, ACQ/IMAGE, BOA	MIRRORB					90 Secs	
										[==>]	[1]
	<i>Comments: Exptime for S/N of 60 is 105.5 sec which leads to visibility overrun. COS.ta.404797 Using 90 sec leads to S/N of 55</i>										
	2	G130M/109 6/FUVB (COS.sp.418 698)	(4) GD71	COS/FUV, TIME-TAG, PSA	G130M 1096 A	0;	BUFFER-TIME=50	FP-POS=3; SEGMENT=B		600 Secs	
										[==>]	[1]
<i>Comments: Buffer time = 2.35e6/656 = 3582 sec. Set buffer-time = exptime - 100 sec = 500 to maximize time on target (see Cy 20 IHB section 5.4.1)</i>											
3	G160M/157 7/FUVA (COS.sp.413 980)	(4) GD71	COS/FUV, TIME-TAG, PSA	G160M 1577 A	2;	BUFFER-TIME=10	FP-POS=3; SEGMENT=A		102 Secs		
									[==>]	[1]	
<i>Comments: Buffer-time for FUVA is 2.35e6/8770 = 268 sec, which is larger than exp time, so set buffer time to exptime. 2.35e6 is the number of events that each buffer can record 8770 cts/sec is the count rate in FUVA, per ETC calculation above</i>											
4	G160M/160 0/FUVA (COS.sp.413 983)	(4) GD71	COS/FUV, TIME-TAG, PSA	G160M 1600 A	8;	BUFFER-TIME=12	FP-POS=3; SEGMENT=A		128 Secs		
									[==>]	[1]	
<i>Comments: Buffer time is 308 sec = 2.35e6/7635 Set buffer-time to exptime</i>											
5	G160M/162 3/FUVA (COS.sp.413 984)	(4) GD71	COS/FUV, TIME-TAG, PSA	G160M 1623 A	4;	BUFFER-TIME=15	FP-POS=3; SEGMENT=A		154 Secs		
									[==>]	[1]	
<i>Comments: Buffer time is 345 sec=2.35e6/7635 where 7635 is cts/sec in FUVA Set buffer-time = exptime</i>											



Proposal 12715 - Visit 50 - COS FUV Spectroscopic Sensitivity Monitoring

Sat Sep 29 01:07:12 GMT 2012

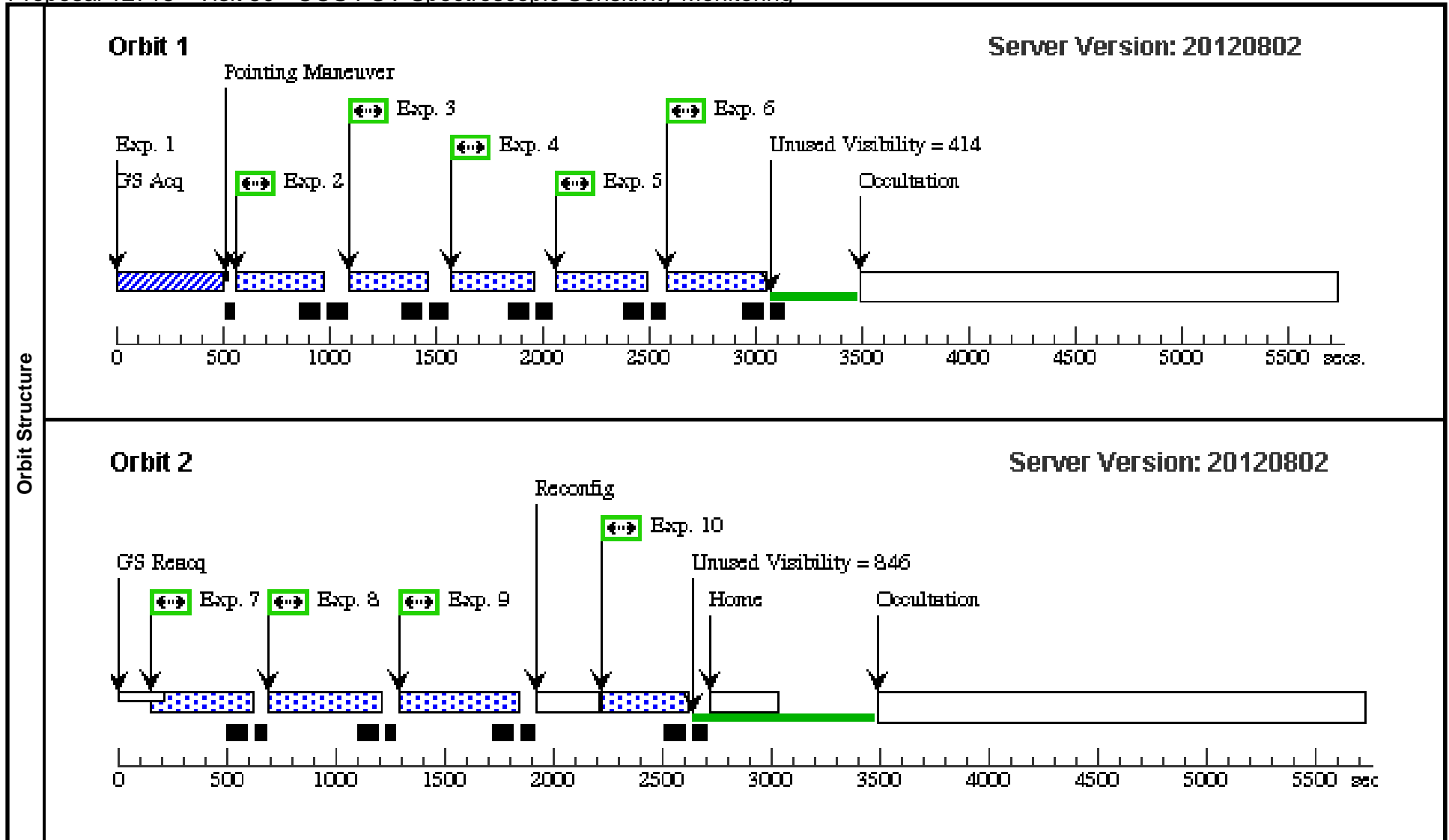
Visit	<p>Proposal 12715, Visit 50, completed</p> <p>Diagnostic Status: Error</p> <p>Scientific Instruments: COS/NUV, COS/FUV</p> <p>Special Requirements: BETWEEN 12-AUG-2012:00:00:00 AND 30-SEP-2012:00:00:00</p> <p><i>Comments: 2 Orbit visit of the new target at the new position. This visit covers:</i></p> <p><i>G130M:</i></p> <p>1222.</p> <p>1291</p> <p>1309</p> <p>1327</p> <p><i>G160M (Leave Seg A on, but low SNR):</i></p> <p>1577/FUVB</p> <p>1600/FUVB</p> <p>1623/FUVB</p> <p><i>G140L:</i></p> <p>1105/FUVA</p> <p>1230</p>																
	Diagnostics	<p>(G130M/1222 (50.002)) Error (Form): The COS G130M/1222 wavelength is not allowed before Cycle 20.</p> <p>(Visit 50) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.</p> <p>(Visit 50) Warning (Form): If the target coordinates are not known to 0.4" (or better) an ACQ/SEARCH should precede the ACQ/IMAGE.</p>															
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	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous											
(3)	WD0308-565	RA: 03 09 47.9200 (47.4496667d) Dec: -56 23 49.41 (-56.39706d) Equinox: J2000	Proper Motion RA: 0.018141 sec of time/yr Proper Motion Dec: 0.0643 arcsec/yr Epoch of Position: 2000	V=14.07+/-0.02	Reference Frame: ICRS												

Proposal 12715 - Visit 50 - COS FUV Spectroscopic Sensitivity Monitoring

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
Exposures	1	ACQ/IM (396029)	(3) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA			45 Secs [==>]	[1]	
	2	G130M/122 2 (COS.sp.395 840)	(3) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1222 A	BUFFER-TIME=12 6; FP-POS=3		226 Secs [==>]	[1]	
	<p>Comments: Buffer time calculated as 2/3 * ETC buffer time is 2/3*455 which is larger than exptime. Set buffer-time = exptime - 100 sec to maximize time on target = 126</p> <p>Continue use of 1 FP-POS I checked with Alan Welty and Karla Peterson to confirm that there are no issues using the 1222 central wavelength prior to Cycle 20</p>									
	3	G130M/129 1 (COS.sp.395 841)	(3) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=14 4; FP-POS=3		244 Secs [==>]	[1]	
	<p>Comments: ETC buffer time is 330 sec. Target has been observed before and so no need for 2/3 safety margin. Since buffer time larger than exptime use buffer time = exptime -100 sec to maximize time on target = 144</p> <p>Continue use of 1 FP-POS</p>									
	4	G130M/130 9 (COS.sp.395 842)	(3) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=17 0; FP-POS=3		270 Secs [==>]	[1]	
	<p>Comments: ETC buffer time is 330 sec. Target has been observed before and so no need for 2/3 safety margin. Since buffer time larger than exptime use buffer time = exptime -100 sec to maximize time on target = 170 sec</p> <p>Continue use of 1 FP-POS</p>									
	5	G130M/132 7 (COS.sp.395 843)	(3) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=21 2; FP-POS=3		312 Secs [==>]	[1]	
<p>Comments: ETC buffer time is 330 sec. Target has been observed before and so no need for 2/3 safety margin. Since buffer time larger than exptime use buffer time = exptime -100 sec to maximize time on target = 212</p> <p>Continue use of 1 FP-POS</p>										
6	G160M/157 7 (395846)	(3) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=3; BUFFER-TIME=19 0		290 Secs [==>]	[1]		
<p>Comments: ETC buffer time is 632, larger than exptime Target has been observed before no need to 2/3 factor Set buffer time = exptime - 100 = 190</p>										
7	G160M/160 0 (395849)	(3) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1600 A	FP-POS=3; BUFFER-TIME=24 6		346 Secs [==>]	[2]		
<p>Comments: ETC buffer time is 710, larger than exptime Target has been observed before no need to 2/3 factor Set buffer time = exptime - 100 = 246</p>										
8	G160M/162 3 (395848)	(3) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1623 A	FP-POS=3; BUFFER-TIME=30 0		400 Secs [==>]	[2]		
<p>Comments: ETC buffer time is 794, larger than exptime Target has been observed before no need to 2/3 factor Set buffer time = exptime - 100 = 300</p>										

Proposal 12715 - Visit 50 - COS FUV Spectroscopic Sensitivity Monitoring

9	G140L/1230 (3) WD0308-565 (COS.sp.395 854)	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=18 0; FP-POS=3	280 Secs	
					[==>]	[2]
<p><i>Comments: ETC buffer time is 479, larger than exptime Target has been observed before no need to 2/3 factor Set buffer time = exptime - 100 = 180 Continue use of 1 FP-POS</i></p>						
10	G140L/1105 (3) WD0308-565 /FUVA (OS.sp.3958 53)	COS/FUV, TIME-TAG, PSA	G140L 1105 A	BUFFER-TIME=18 0; FP-POS=3; SEGMENT=A	280 Secs	
					[==>]	[2]
<p><i>Comments: ETC buffer time is 398, larger than exptime Target has been observed before no need to 2/3 factor Set buffer time = exptime - 100 = 180 Continue use of 1 FP-POS</i></p>						



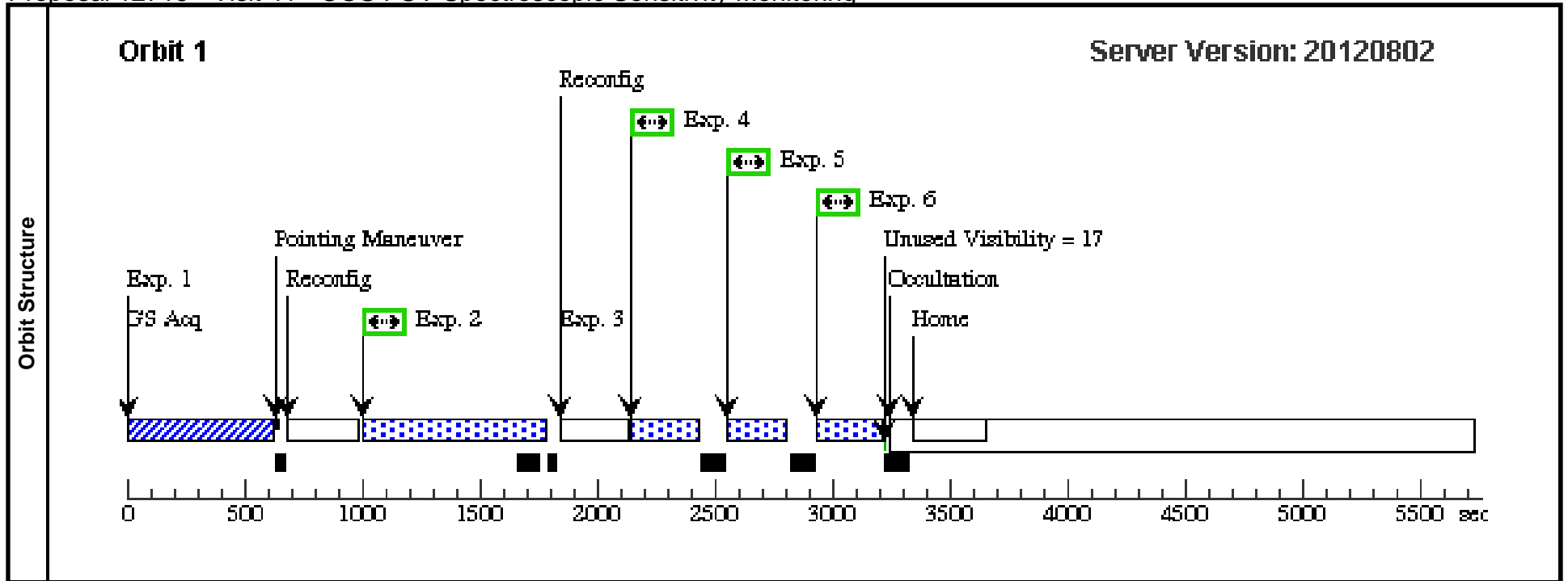
Proposal 12715 - Visit 41 - COS FUV Spectroscopic Sensitivity Monitoring

Sat Sep 29 01:07:14 GMT 2012

Visit	<p>Proposal 12715, Visit 41, implementation</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: COS/NUV, S/C, COS/FUV</p> <p>Special Requirements: BETWEEN 14-OCT-2012:00:00:00 AND 21-OCT-2012:00:00:00</p> <p><i>Comments: 1 orbit visit of the new target at the new position. This visit covers:</i></p> <p><i>G130M/1096 FUVB</i></p> <p><i>G160M:</i></p> <p><i>1577/FUVA</i></p> <p><i>1600/FUVA</i></p> <p><i>1623/FUVA</i></p> <p><i>SOL is required.</i></p>																
	<p>(Visit 41) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.</p> <p>(Visit 41) Warning (Form): If the target coordinates are not known to 0.4" (or better) an ACQ/SEARCH should precede the ACQ/IMAGE.</p>																
Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(4)</td> <td>GD71</td> <td>RA: 05 52 27.6100 (88.1150417d) Dec: +15 53 13.80 (15.88717d) Equinox: J2000</td> <td>Proper Motion RA: 85 mas/yr Proper Motion Dec: -174 mas/yr Epoch of Position: 2000</td> <td>V=13.06+/-0.01</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: Use sma RA, DEC amd PM as in proposal 12392 by Bohlin et al.</i></p>					#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(4)	GD71	RA: 05 52 27.6100 (88.1150417d) Dec: +15 53 13.80 (15.88717d) Equinox: J2000	Proper Motion RA: 85 mas/yr Proper Motion Dec: -174 mas/yr Epoch of Position: 2000	V=13.06+/-0.01	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous											
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Proposal 12715 - Visit 41 - COS FUV Spectroscopic Sensitivity Monitoring

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1	ACQ/IM (404797)	(4) GD71	COS/NUV, ACQ/IMAGE, BOA	MIRRORB			QASISTATES COS FUV HVSEGB HVS EGB		90 Secs [==>]	[1]
	<p><i>Comments: Exptime for S/N of 60 is 105.5 sec which leads to visibility overrun. COS.ta.404797 Using 90 sec leads to S/N of 55.</i></p> <p><i>The FUV qasistate s.r. and the noted SQL will eliminate the reconfig between exps 1 and 2.</i></p> <p><i>SQL is required for the dump created by this exposure. The FUV state should be changed to HVSEGB.</i></p>										
	2	G130M/109 6/FUVB (COS.sp.418 698)	(4) GD71	COS/FUV, TIME-TAG, PSA	G130M 1096 A		BUFFER-TIME=50 0; FP-POS=3; SEGMENT=B			600 Secs [==>]	[1]
	<p><i>Comments: Buffer time = $2.35e6/656 = 3582$ sec. Set buffer-time = exptime - 100 sec = 500 to maximize time on target (see Cy 20 IHB section 5.4.1)</i></p>										
	3		DARK	S/C, DATA, NONE				QASISTATES COS FUV HVLOW HVL OW		1 Secs [==>]	[1]
	<p><i>Comments: Work-around to efficiently schedule the SEG-B to SEG-A reconfiguration. Eliminates SPSS induced gaps.</i></p>										
4	G160M/157 7/FUVA (COS.sp.413 980)	(4) GD71	COS/FUV, TIME-TAG, PSA	G160M 1577 A		BUFFER-TIME=10 2; FP-POS=3; SEGMENT=A			102 Secs [==>]	[1]	
<p><i>Comments: Buffer-time for FUVA is $2.35e6/8770 = 268$ sec, which is larger than exp time, so set buffer time to exptime. 2.35e6 is the number of events that each buffer can record 8770 cts/sec is the count rate in FUVA, per ETC calculation above</i></p>											
5	G160M/160 0/FUVA (COS.sp.413 983)	(4) GD71	COS/FUV, TIME-TAG, PSA	G160M 1600 A		BUFFER-TIME=12 8; FP-POS=3; SEGMENT=A			128 Secs [==>]	[1]	
<p><i>Comments: Buffer time is 308 sec = $2.35e6/7635$ Set buffer-time to exptime</i></p>											
6	G160M/162 3/FUVA (COS.sp.413 984)	(4) GD71	COS/FUV, TIME-TAG, PSA	G160M 1623 A		BUFFER-TIME=15 4; FP-POS=3; SEGMENT=A			154 Secs [==>]	[1]	
<p><i>Comments: Buffer time is 345 sec = $2.35e6/7635$ where 7635 is cts/sec in FUVA Set buffer-time = exptime</i></p>											



Proposal 12715 - Visit 51 - COS FUV Spectroscopic Sensitivity Monitoring

Sat Sep 29 01:07:15 GMT 2012

Visit	<p>Proposal 12715, Visit 51, implementation</p> <p>Diagnostic Status: Error</p> <p>Scientific Instruments: COS/NUV, S/C, COS/FUV</p> <p>Special Requirements: BETWEEN 14-OCT-2012:00:00:00 AND 21-OCT-2012:00:00:00</p> <p><i>Comments: 2 Orbit visit of the new target at the new position. This visit covers:</i></p> <p><i>G130M:</i></p> <p>1222</p> <p>1291</p> <p>1309</p> <p>1327</p> <p><i>G160M (Leave Seg A on, but low SNR):</i></p> <p>1577/FUVB</p> <p>1600/FUVB</p> <p>1623/FUVB</p> <p><i>G140L:</i></p> <p>1105/FUVA</p> <p>1230</p>												
	<p>(G130M/1222 (51.002)) Error (Form): The COS G130M/1222 wavelength is not allowed before Cycle 20.</p> <p>(Visit 51) Warning (Form): If the target coordinates are not known to 0.4" (or better) an ACQ/SEARCH should precede the ACQ/IMAGE.</p> <p>(Visit 51) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.</p>												
Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(3)</td> <td>WD0308-565</td> <td>RA: 03 09 47.9200 (47.4496667d) Dec: -56 23 49.41 (-56.39706d) Equinox: J2000</td> <td>Proper Motion RA: 0.018141 sec of time/yr Proper Motion Dec: 0.0643 arcsec/yr Epoch of Position: 2000</td> <td>V=14.07+/-0.02</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: Coordinates from Charle's proposal</i></p>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(3)	WD0308-565	RA: 03 09 47.9200 (47.4496667d) Dec: -56 23 49.41 (-56.39706d) Equinox: J2000	Proper Motion RA: 0.018141 sec of time/yr Proper Motion Dec: 0.0643 arcsec/yr Epoch of Position: 2000	V=14.07+/-0.02	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous							
(3)	WD0308-565	RA: 03 09 47.9200 (47.4496667d) Dec: -56 23 49.41 (-56.39706d) Equinox: J2000	Proper Motion RA: 0.018141 sec of time/yr Proper Motion Dec: 0.0643 arcsec/yr Epoch of Position: 2000	V=14.07+/-0.02	Reference Frame: ICRS								

Proposal 12715 - Visit 51 - COS FUV Spectroscopic Sensitivity Monitoring

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
Exposures	1	ACQ/IM (396029)	(3) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA		GS ACQ SCENARI O SINGLE	45 Secs [==>]	[1]	
	2	G130M/122 2 (COS.sp.395 840)	(3) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1222 A	BUFFER-TIME=12 6; FP-POS=3		226 Secs [==>]	[1]	
	<p><i>Comments: Buffer time calculated as 2/3 * ETC buffer time is 2/3*455 which is larger than exptime. Set buffer-time = exptime - 100 sec to maximize time on target = 126</i></p> <p><i>Continue use of 1 FP-POS</i></p> <p><i>I checked with Alan Welty and Karla Peterson to confirm that there are no issues using the 1222 central wavelength prior to Cycle 20</i></p>									
	3	G130M/129 1 (COS.sp.395 841)	(3) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=14 4; FP-POS=3		244 Secs [==>]	[1]	
	<p><i>Comments: ETC buffer time is 330 sec. Target has been observed before and so no need for 2/3 safety margin. Since buffer time larger than exptime use buffer time = exptime -100 sec to maximize time on target = 144</i></p> <p><i>Continue use of 1 FP-POS</i></p>									
	4	G130M/130 9 (COS.sp.395 842)	(3) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1309 A	BUFFER-TIME=17 0; FP-POS=3		270 Secs [==>]	[1]	
	<p><i>Comments: ETC buffer time is 330 sec. Target has been observed before and so no need for 2/3 safety margin. Since buffer time larger than exptime use buffer time = exptime -100 sec to maximize time on target = 170 sec</i></p> <p><i>Continue use of 1 FP-POS</i></p>									
	5	G130M/132 7 (COS.sp.395 843)	(3) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=21 2; FP-POS=3		312 Secs [==>]	[1]	
<p><i>Comments: ETC buffer time is 330 sec. Target has been observed before and so no need for 2/3 safety margin. Since buffer time larger than exptime use buffer time = exptime -100 sec to maximize time on target = 212</i></p> <p><i>Continue use of 1 FP-POS</i></p>										
6	G160M/157 7 (395846)	(3) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=3; BUFFER-TIME=19 0		290 Secs [==>]	[1]		
<p><i>Comments: ETC buffer time is 632, larger than exptime</i></p> <p><i>Target has been observed before no need to 2/3 factor</i></p> <p><i>Set buffer time = exptime - 100 = 190</i></p>										
7	G160M/160 0 (395849)	(3) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1600 A	FP-POS=3; BUFFER-TIME=24 6		346 Secs [==>]	[2]		
<p><i>Comments: ETC buffer time is 710, larger than exptime</i></p> <p><i>Target has been observed before no need to 2/3 factor</i></p> <p><i>Set buffer time = exptime - 100 = 246</i></p>										
8	G160M/162 3 (395848)	(3) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1623 A	FP-POS=3; BUFFER-TIME=30 0		400 Secs [==>]	[2]		
<p><i>Comments: ETC buffer time is 794, larger than exptime</i></p> <p><i>Target has been observed before no need to 2/3 factor</i></p> <p><i>Set buffer time = exptime - 100 = 300</i></p>										

Proposal 12715 - Visit 51 - COS FUV Spectroscopic Sensitivity Monitoring

9	G140L/1230 (3) WD0308-565 (COS.sp.395 854)	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=18 0; FP-POS=3	280 Secs [==>]	[2]
<p><i>Comments: ETC buffer time is 479, larger than exptime Target has been observed before no need to 2/3 factor Set buffer time = exptime - 100 = 180 Continue use of 1 FP-POS</i></p>						
10	DARK	S/C, DATA, NONE		QASISTATES COS FUV HVLOW HVL OW	1 Secs [==>]	[2]
<p><i>Comments: Work-around to efficiently schedule the reconfiguration. Eliminates SPSS induced gaps.</i></p>						
11	G140L/1105 (3) WD0308-565 /FUV A (OS.sp.3958 53)	COS/FUV, TIME-TAG, PSA	G140L 1105 A	BUFFER-TIME=18 0; FP-POS=3; SEGMENT=A	280 Secs [==>]	[2]
<p><i>Comments: ETC buffer time is 398, larger than exptime Target has been observed before no need to 2/3 factor Set buffer time = exptime - 100 = 180 Continue use of 1 FP-POS</i></p>						

