



## 13520 - COS FUV Spectroscopic Sensitivity Monitoring

Cycle: 21, Proposal Category: CAL/COS

(Calibration)

(Availability Mode: RESTRICTED)

### INVESTIGATORS

<i>Name</i>	<i>Institution</i>	<i>E-Mail</i>
<b>Ms. Azalee K. Bostroem (PI) (Contact)</b>	<b>Space Telescope Science Institute</b>	<b>bostroem@stsci.edu</b>
Dr. John Henry Debes (CoI)	Space Telescope Science Institute	debes@stsci.edu
Dr. Charles R. Proffitt (CoI)	Computer Sciences Corporation	proffitt@stsci.edu

### VISITS

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
21	(6) GD71 DARK WAVE	COS/FUV COS/NUV S/C	1	27-Aug-2014 21:02:22.0	yes
23	(6) GD71 DARK WAVE	COS/FUV COS/NUV S/C	1	27-Aug-2014 21:02:23.0	yes
25	(6) GD71 DARK WAVE	COS/FUV COS/NUV S/C	1	27-Aug-2014 21:02:25.0	yes
29	(6) GD71 DARK WAVE	COS/FUV COS/NUV S/C	1	27-Aug-2014 21:02:26.0	yes

Proposal 13520 (STScI Edit Number: 5, Created: Wednesday, August 27, 2014 8:02:48 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>
99	(6) GD71 WAVE	COS/FUV	1	27-Aug-2014 21:02:27.0	yes
31	(6) GD71 DARK WAVE	COS/FUV S/C	1	27-Aug-2014 21:02:29.0	yes
02	(1) WD0308-565 DARK	COS/FUV COS/NUV S/C	2	27-Aug-2014 21:02:30.0	yes
04	(1) WD0308-565 DARK	COS/FUV COS/NUV S/C	2	27-Aug-2014 21:02:33.0	yes
06	(1) WD0308-565 DARK	COS/FUV COS/NUV S/C	2	27-Aug-2014 21:02:35.0	yes
08	(1) WD0308-565 DARK	COS/FUV COS/NUV S/C	2	27-Aug-2014 21:02:38.0	yes
10	(1) WD0308-565 DARK	COS/FUV COS/NUV S/C	2	27-Aug-2014 21:02:40.0	yes
12	(1) WD0308-565 DARK	COS/FUV COS/NUV S/C	2	27-Aug-2014 21:02:42.0	yes
01	(1) WD0308-565	COS/FUV COS/NUV	1	27-Aug-2014 21:02:43.0	yes
03	(1) WD0308-565	COS/FUV COS/NUV	1	27-Aug-2014 21:02:44.0	yes
05	(1) WD0308-565	COS/FUV COS/NUV	1	27-Aug-2014 21:02:45.0	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>
07	(1) WD0308-565	COS/FUV COS/NUV	1	27-Aug-2014 21:02:46.0	yes
09	(1) WD0308-565	COS/FUV COS/NUV	1	27-Aug-2014 21:02:46.0	yes
11	(1) WD0308-565	COS/FUV COS/NUV	1	27-Aug-2014 21:02:47.0	yes

24 Total Orbits Used

### **ABSTRACT**

To track the time dependent sensitivity as a function of wavelength we will obtain exposures in all FUV gratings every month. There will be 2 types of monitoring sequences which will occur on alternating months. The complete monitoring sequence will use 3 orbits in 2 visits (except May - July when GD71 is unavailable). The 1 orbit visit will cover the G130M/1096/FUVB, G160M/1577/FUVA, and G160M/1623/FUVA modes. The 2 orbit visit will cover G130M/1222, G130M/1291, G130M/1327, G130M/1055/FUVA, G160M/1577/FUVB, G160M/1623/FUVB, G140L/1105, G140L/1230 modes. These comprise the reddest and bluest central wavelengths of each grating with additional coverage of the G130M blue modes. The reduced monitoring sequence in alternating months will use a 1 orbit visit to monitor the complete wavelength range of the standard modes using one central wavelength per grating. The modes covered are G130M/1291, G160M/1623, and G140L/1230. This reduced monitoring scheme, relative to C20, is put in place in C21 given that the slopes of the TDS seen to have stabilized at ~0%. Should any drastic changes occur, the contingency orbits will be activated.

### **OBSERVING DESCRIPTION**

Track the time dependence of sensitivity as a function of wavelength. Obtain exposures in all FUV gratings every month. Every month there will be 2 visits totaling 3 orbits (except May-July when GD71 is unavailable). The 1 orbit visit will cover the G130M/1096/FUVB, G160M/1577/FUVA, and G160M/1623/FUVA central wavelengths. The 2 orbit visit will cover G130M/1222, G130M/1291, G130M/1327, G160M/1577/FUVB, G160M/1623/FUVB, G140L/1105/FUVA, and G140L/1230 central wavelengths. These comprise the reddest and bluest central wavelengths of each grating with additional coverage of the new G130M blue modes.

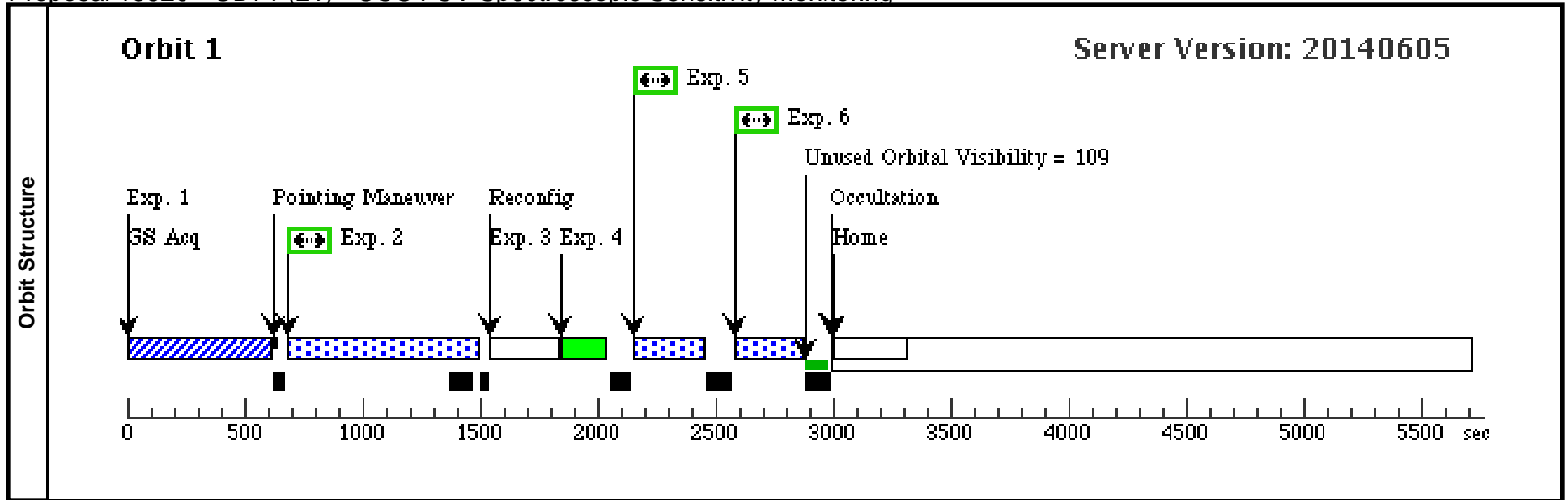
# Proposal 13520 - GD71 (21) - COS FUV Spectroscopic Sensitivity Monitoring

Thu Aug 28 01:02:49 GMT 2014

<b>Visit</b>	<p><b>Proposal 13520, GD71 (21), completed</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Scientific Instruments: COS/NUV, S/C, COS/FUV</p> <p>Special Requirements: SCHED 100%; BETWEEN 23-DEC-2013:00:00:00 AND 29-DEC-2013:00:00:00</p> <p><i>Comments: Modified to include a GO wavecal (exposure 4) to calculate the OSM shifts of the G130M/1096/FUVB observation</i></p> <p><i>George Chapman added Exposure 3</i></p>					
	<p>(GD71 (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.</p>					
<b>Diagnosics</b>						
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>
	(6)	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
<p><i>Comments: Use sma RA, DEC amd PM as in proposal 12392 by Bohlin et al.</i></p>						

Proposal 13520 - GD71 (21) - COS FUV Spectroscopic Sensitivity Monitoring

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	ACQ/IM (404797)	(6) GD71	COS/NUV, ACQ/IMAGE, BOA	MIRRORB					90 Secs (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)	(6) GD71	COS/FUV, TIME-TAG, PSA	G130M 1096 A	BUFFER-TIME=50 0; FP-POS=3; SEGMENT=B				600 Secs (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		DARK	S/C, DATA, NONE				QASISTATES COS FUV HVLOW HVL OW		1 Secs (1 Secs)		
									[==>]	[1]	
<i>Comments: Work-around to efficiently schedule the SEG-B to SEG-A reconfiguration. Eliminates SPSS induced gaps.</i>											
4	G130M/109 6/FUVA W AVECAL	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1096 A	FP-POS=3; SEGMENT=A; FLASH=NO				140 Secs (140 Secs)		
									[==>]	[1]	
5	G160M/157 7/FUVA (COS.sp.413 980)	(6) GD71	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=10 2; FP-POS=3; SEGMENT=A				102 Secs (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>											
6	G160M/162 3/FUVA (COS.sp.413 984)	(6) GD71	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=15 4; FP-POS=3; SEGMENT=A				154 Secs (154 Secs)		
									[==>]	[1]	
<i>Comments: Buffer time is 345 sec=2.35e6/7635 where 7635 is cts/sec in FUVA Set buffer-time = exptime b/c exptime - 100 &lt; 80 which is the minimum exptime</i>											



# Proposal 13520 - GD71 (23) - COS FUV Spectroscopic Sensitivity Monitoring

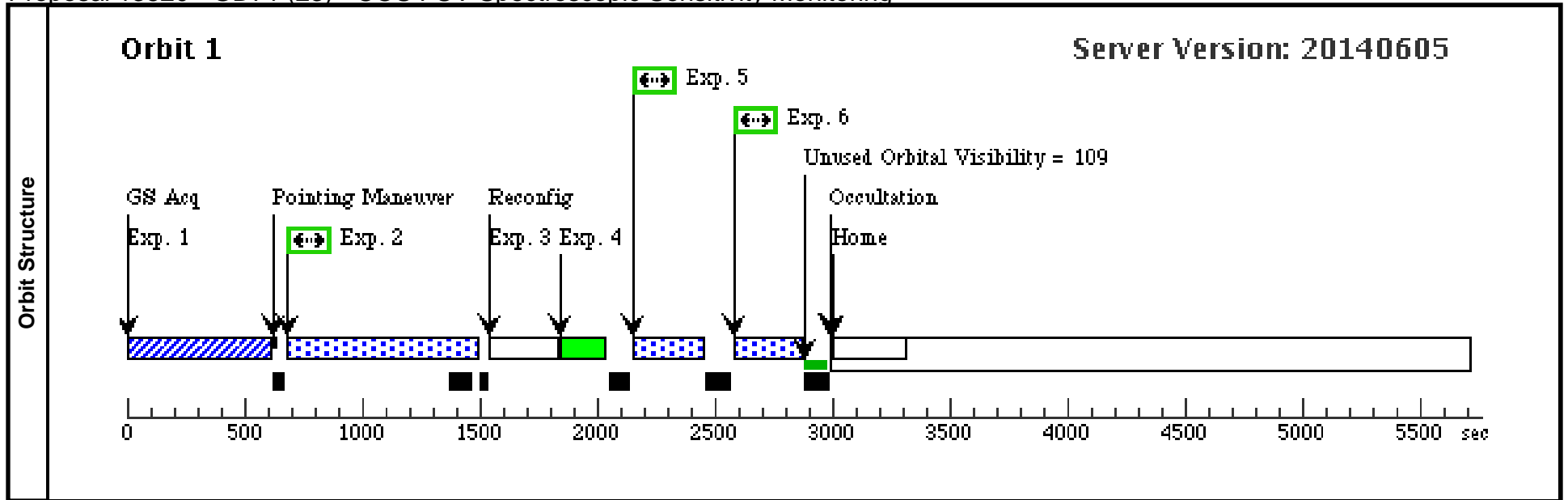
Thu Aug 28 01:02:49 GMT 2014

<b>Visit</b>	<p><b>Proposal 13520, GD71 (23), completed</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Scientific Instruments: COS/NUV, S/C, COS/FUV</p> <p>Special Requirements: SCHED 100%; BETWEEN 17-FEB-2014:00:00:00 AND 23-FEB-2014:00:00:00</p> <p><i>Comments: Modified to include a GO wavecal (exposure 4) to calculate the OSM shifts of the G130M/1096/FUVB observation</i></p> <p><i>George Chapman added Exposure 3</i></p>					
	<p>(GD71 (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.</p>					
<b>Diagnosics</b>						
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>
	(6)	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
<p><i>Comments: Use sma RA, DEC amd PM as in proposal 12392 by Bohlin et al.</i></p>						

Proposal 13520 - GD71 (23) - COS FUV Spectroscopic Sensitivity Monitoring

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	ACQ/IM (404797)	(6) GD71	COS/NUV, ACQ/IMAGE, BOA	MIRRORB					90 Secs (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)	(6) GD71	COS/FUV, TIME-TAG, PSA	G130M 1096 A	BUFFER-TIME=50 0; FP-POS=3; SEGMENT=B				600 Secs (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		DARK	S/C, DATA, NONE				QASISTATES COS FUV HVLOW HVL OW		1 Secs (1 Secs)		
									[==>]	[1]	
<i>Comments: Work-around to efficiently schedule the SEG-B to SEG-A reconfiguration. Eliminates SPSS induced gaps.</i>											
4	G130M/109 6/FUVA W AVECAL	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1096 A	FP-POS=3; SEGMENT=A; FLASH=NO				140 Secs (140 Secs)		
									[==>]	[1]	
5	G160M/157 7/FUVA (COS.sp.413 980)	(6) GD71	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=10 2; FP-POS=3; SEGMENT=A				102 Secs (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>											
6	G160M/162 3/FUVA (COS.sp.413 984)	(6) GD71	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=15 4; FP-POS=3; SEGMENT=A				154 Secs (154 Secs)		
									[==>]	[1]	
<i>Comments: Buffer time is 345 sec=2.35e6/7635 where 7635 is cts/sec in FUVA Set buffer-time = exptime b/c exptime - 100 &lt; 80 which is the minimum exptime</i>											





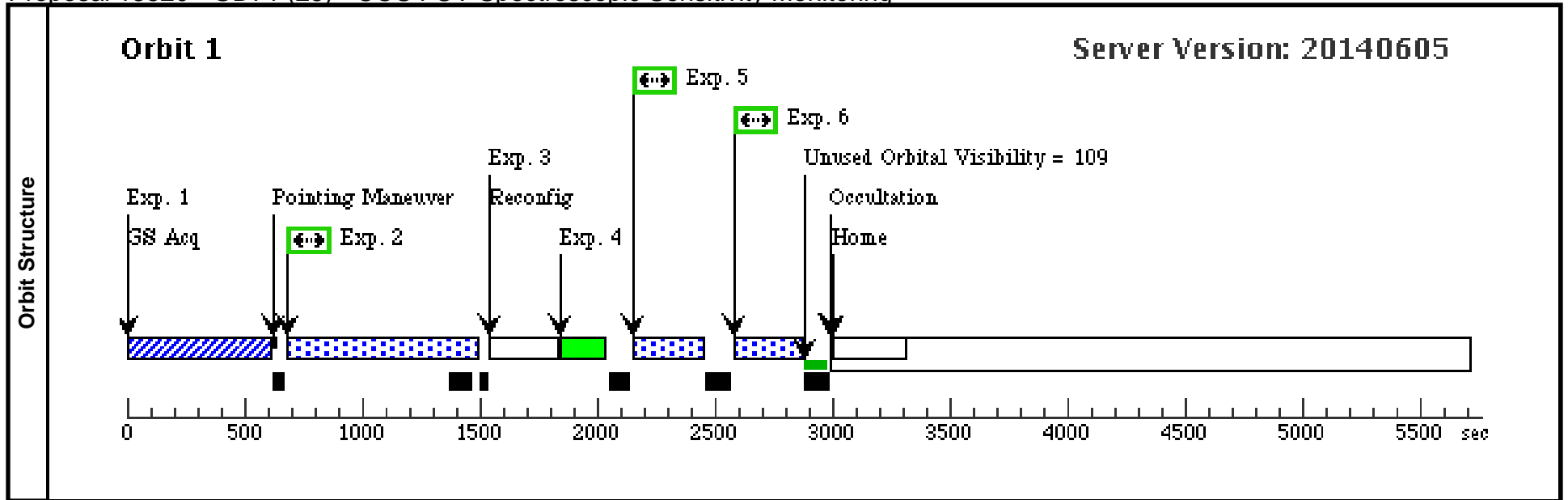
Proposal 13520 - GD71 (25) - COS FUV Spectroscopic Sensitivity Monitoring

Thu Aug 28 01:02:49 GMT 2014

<b>Visit</b>	<p><b>Proposal 13520, GD71 (25), completed</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Scientific Instruments: COS/NUV, S/C, COS/FUV</p> <p>Special Requirements: SCHED 100%; BETWEEN 21-APR-2014:00:00:00 AND 27-APR-2014:00:00:00</p> <p><i>Comments: Modified to include a GO wavecal (exposure 4) to calculate the OSM shifts of the G130M/1096/FUVB observation</i></p> <p><i>George Chapman added Exposure 3</i></p>					
	<p>(GD71 (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.</p>					
<b>Diagnosics</b>						
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>
	(6)	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
<p><i>Comments: Use sma RA, DEC amd PM as in proposal 12392 by Bohlin et al.</i></p>						

Proposal 13520 - GD71 (25) - COS FUV Spectroscopic Sensitivity Monitoring

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	ACQ/IM (404797)	(6) GD71	COS/NUV, ACQ/IMAGE, BOA	MIRRORB					90 Secs (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)	(6) GD71	COS/FUV, TIME-TAG, PSA	G130M 1096 A	BUFFER-TIME=50 0; FP-POS=3; SEGMENT=B				600 Secs (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		DARK	S/C, DATA, NONE				QASISTATES COS FUV HVLOW HVL OW		1 Secs (1 Secs)		
									[==>]	[1]	
<i>Comments: Work-around to efficiently schedule the SEG-B to SEG-A reconfiguration. Eliminates SPSS induced gaps.</i>											
4	G130M/109 6/FUVA W AVECAL	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1096 A	FP-POS=3; SEGMENT=A; FLASH=NO				140 Secs (140 Secs)		
									[==>]	[1]	
5	G160M/157 7/FUVA (COS.sp.413 980)	(6) GD71	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=10 2; FP-POS=3; SEGMENT=A				102 Secs (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>											
6	G160M/162 3/FUVA (COS.sp.413 984)	(6) GD71	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=15 4; FP-POS=3; SEGMENT=A				154 Secs (154 Secs)		
									[==>]	[1]	
<i>Comments: Buffer time is 345 sec=2.35e6/7635 where 7635 is cts/sec in FUVA Set buffer-time = exptime b/c exptime - 100 &lt; 80 which is the minimum exptime</i>											



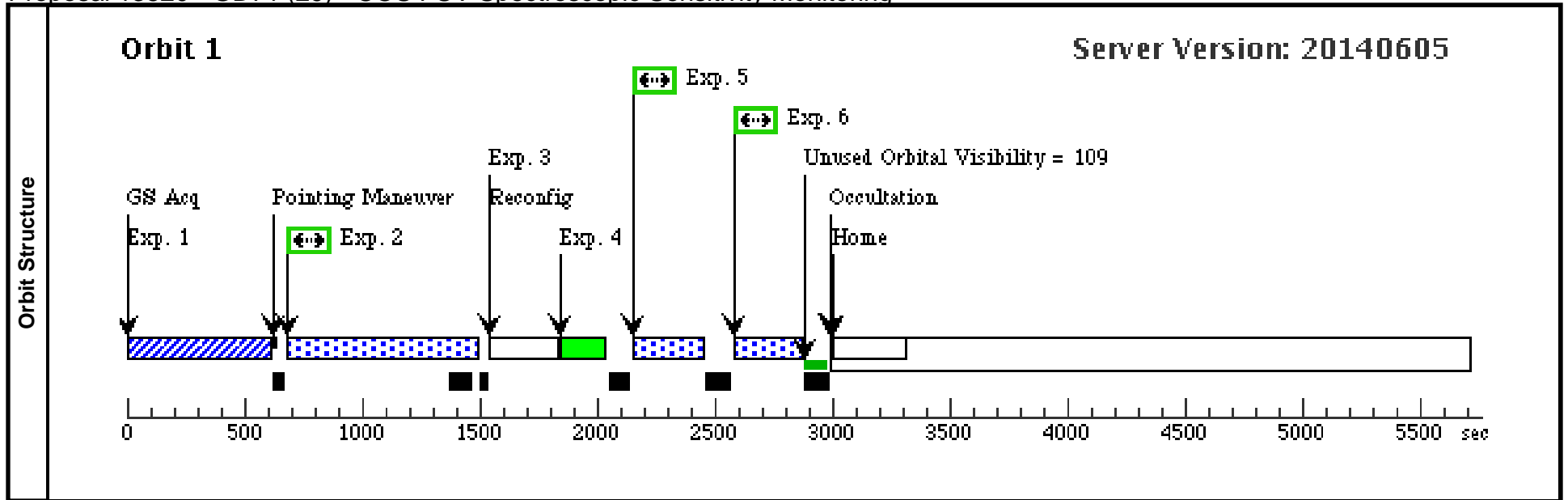
Proposal 13520 - GD71 (29) - COS FUV Spectroscopic Sensitivity Monitoring

Thu Aug 28 01:02:49 GMT 2014

<b>Visit</b>	<p><b>Proposal 13520, GD71 (29), withdrawn</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Scientific Instruments: COS/NUV, S/C, COS/FUV</p> <p>Special Requirements: SCHED 100%; BETWEEN 18-AUG-2014:00:00:00 AND 24-AUG-2014:00:00:00</p> <p><i>Comments: Modified to include a GO wavecal (exposure 4) to calculate the OSM shifts of the G130M/1096/FUVB observation</i></p> <p><i>George Chapman added Exposure 3</i></p>					
	<p>(GD71 (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.</p>					
<b>Diagnosics</b>						
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>
	(6)	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
<p><i>Comments: Use sma RA, DEC amd PM as in proposal 12392 by Bohlin et al.</i></p>						

Proposal 13520 - GD71 (29) - COS FUV Spectroscopic Sensitivity Monitoring

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	ACQ/IM (404797)	(6) GD71	COS/NUV, ACQ/IMAGE, BOA	MIRRORB					90 Secs (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)	(6) GD71	COS/FUV, TIME-TAG, PSA	G130M 1096 A	BUFFER-TIME=50 0; FP-POS=3; SEGMENT=B				600 Secs (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		DARK	S/C, DATA, NONE				QASISTATES COS FUV HVLOW HVL OW		1 Secs (1 Secs)		
									[==>]	[1]	
<i>Comments: Work-around to efficiently schedule the SEG-B to SEG-A reconfiguration. Eliminates SPSS induced gaps.</i>											
4	G130M/109 6/FUVA W AVECAL	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1096 A	FP-POS=3; SEGMENT=A; FLASH=NO				140 Secs (140 Secs)		
									[==>]	[1]	
5	G160M/157 7/FUVA (COS.sp.413 980)	(6) GD71	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=10 2; FP-POS=3; SEGMENT=A				102 Secs (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>											
6	G160M/162 3/FUVA (COS.sp.413 984)	(6) GD71	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=15 4; FP-POS=3; SEGMENT=A				154 Secs (154 Secs)		
									[==>]	[1]	
<i>Comments: Buffer time is 345 sec=2.35e6/7635 where 7635 is cts/sec in FUVA Set buffer-time = exptime b/c exptime - 100 &lt; 80 which is the minimum exptime</i>											



Proposal 13520 - GD71-DISP.ACQ (99) - COS FUV Spectroscopic Sensitivity Monitoring

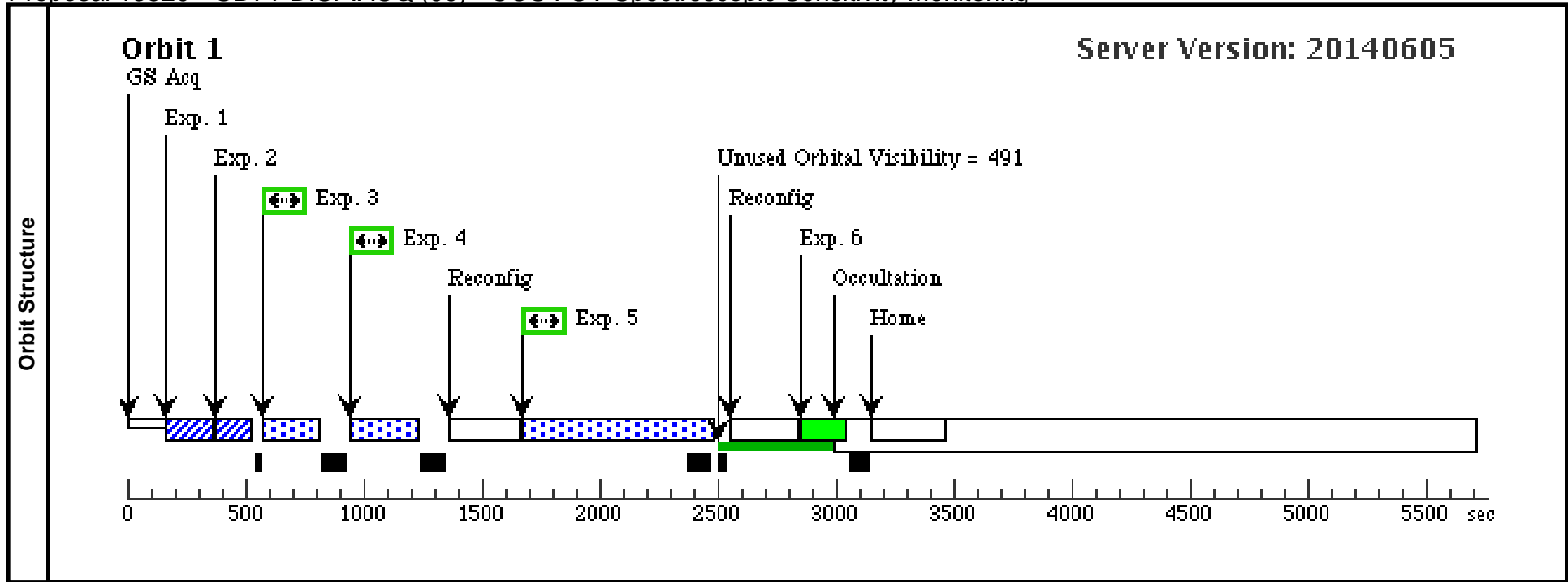
Thu Aug 28 01:02:49 GMT 2014

<b>Visit</b>	<p><b>Proposal 13520, GD71-DISP.ACQ (99), completed</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Scientific Instruments: COS/FUV</p> <p>Special Requirements: SCHED 100%; BETWEEN 18-AUG-2014:00:00:00 AND 24-AUG-2014:00:00:00</p> <p><i>Comments: Modified to include a GO wavecal (exposure 6) to calculate the OSM shifts of the G130M/1096/FUVB observation</i></p> <p><i>Jul 28 2014: Modified acquisition strategy (from MIRRORB to dispersed ACQ) following issue with MIRRORB ACQ; reshuffling the exposure orders (G160M, then G130M) to fit within 1 orbit -- hsana@stsi.edu</i></p>																	
	<p>(GD71-DISP.ACQ (99)) 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>(ACQ/IM (99.001)) Warning (Form): SEGMENT=A is atypical for FUV ACQ/PEAKXD. See full description for details.</p>																	
<b>Fixed Targets</b>	<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>(6)</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	(6)	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												
(6)	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 13520 - GD71-DISP.ACQ (99) - COS FUV Spectroscopic Sensitivity Monitoring

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	ACQ/IM (6) GD71 (COS.sa.626 924)	COS/FUV, ACQ/PEAKXD, PSA	G160M 1623 A	SEGMENT=A			0.3 Secs (0.3 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>JUL28 2014: modified ACQ strategy for visits 29 and 31 Time Required for Requested SNR in Segment A only: 0.2617</i></p>								
	2	ACQ/IM (6) GD71 (COS.sa.626 923)	COS/FUV, ACQ/PEAKD, PSA	G160M 1623 A	NUM-POS=5; STEP-SIZE=0.9; CENTER=FLUX-W T-FLR; SEGMENT=A			0.2 Secs (0.2 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>								
	3	G160M/157 (6) GD71 7/FUVA (COS.sp.413 980)	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=10 2; FP-POS=3; SEGMENT=A			102 Secs (102 Secs) [==>]	[1]
	<p><i>Comments: Buffer-time for FUVA is <math>2.35e6/8770 = 268</math> 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>								
4	G160M/162 (6) GD71 3/FUVA (COS.sp.413 984)	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=15 4; FP-POS=3; SEGMENT=A			154 Secs (154 Secs) [==>]	[1]	
<p><i>Comments: Buffer time is 345 sec=<math>2.35e6/7635</math> where 7635 is cts/sec in FUVA Set buffer-time = exptime b/c exptime - 100 &lt; 80 which is the minimum exptime</i></p>									
5	G130M/109 (6) GD71 6/FUVB (COS.sp.418 698)	COS/FUV, TIME-TAG, PSA	G130M 1096 A	BUFFER-TIME=50 0; FP-POS=3; SEGMENT=B			600 Secs (600 Secs) [==>]	[1]	
<p><i>Comments: Buffer time = <math>2.35e6/656 = 3582</math> sec. Set buffer-time = exptime - 100 sec = 500 to maximize time on target (see Cy 20 IHB section 5.4.1)</i></p>									
6	G130M/109 WAVE 6/FUVA W AVECAL	COS/FUV, TIME-TAG, WCA	G130M 1096 A	FP-POS=3; SEGMENT=A; FLASH=NO			140 Secs (140 Secs) [==>]	[1]	



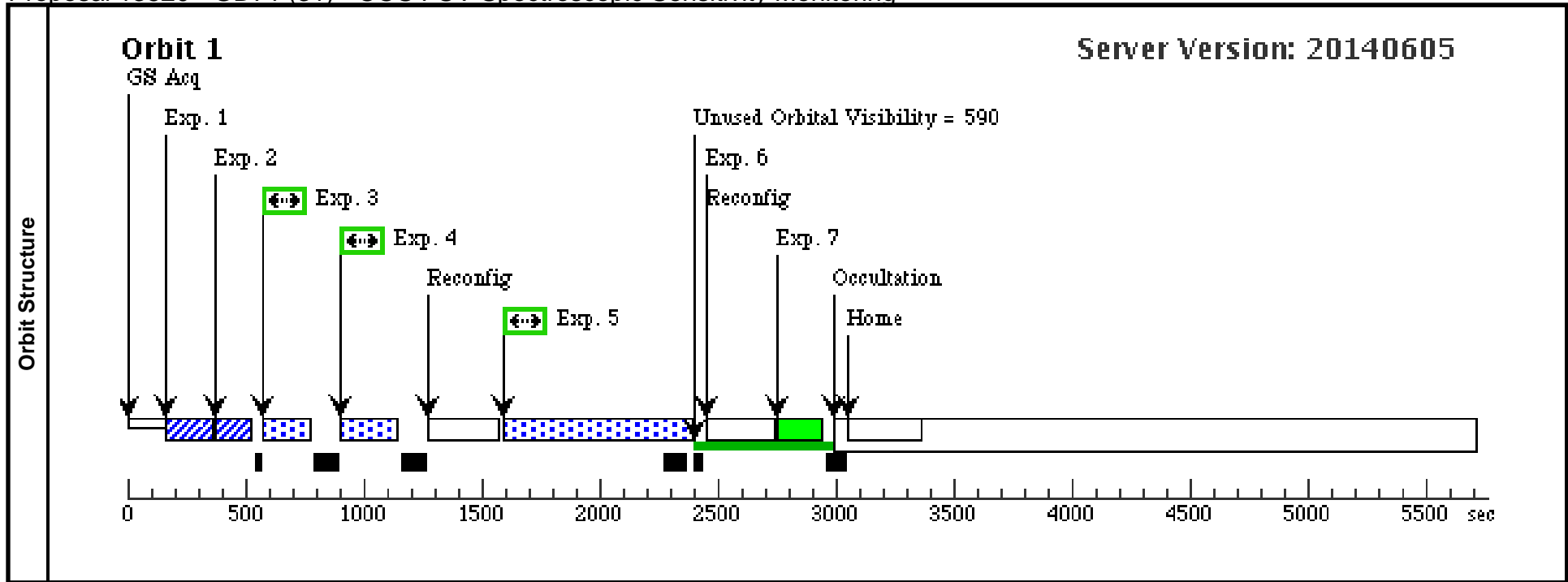
Proposal 13520 - GD71 (31) - COS FUV Spectroscopic Sensitivity Monitoring

Thu Aug 28 01:02:49 GMT 2014

<b>Visit</b>	<p><b>Proposal 13520, GD71 (31), implementation</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Scientific Instruments: S/C, COS/FUV</p> <p>Special Requirements: SCHED 100%; BETWEEN 22-SEP-2014:00:00:00 AND 28-SEP-2014:00:00:00</p> <p><i>Comments: Modified to include a GO wavecal (exposure 4) to calculate the OSM shifts of the G130M/1096/FUVB observation</i></p> <p><i>George Chapman added Exposure 3</i></p>					
	<p>(GD71 (31)) 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>(ACQ/IM (31.001)) Warning (Form): SEGMENT=A is atypical for FUV ACQ/PEAKXD. See full description for details.</p>					
<b>Diagnosics</b>						
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>
	(6)	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
<p><i>Comments: Use sma RA, DEC amd PM as in proposal 12392 by Bohlin et al.</i></p>						

Proposal 13520 - GD71 (31) - COS FUV Spectroscopic Sensitivity Monitoring

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
Exposures	1	ACQ/IM (6) GD71 (COS.sa.626 924)	COS/FUV, ACQ/PEAKXD, PSA	G160M 1623 A	SEGMENT=A			0.3 Secs (0.3 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>JUL28 2014: modified ACQ strategy for visits 29 and 31 Time Required for Requested SNR in Segment A only: 0.2617</i></p>									
	2	ACQ/IM (6) GD71 (COS.sa.626 923)	COS/FUV, ACQ/PEAKD, PSA	G160M 1623 A	NUM-POS=5; STEP-SIZE=0.9; CENTER=FLUX-W T-FLR; SEGMENT=A			0.2 Secs (0.2 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>									
	3	G160M/162 (6) GD71 3/FUVA (COS.sp.413 984)	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=15 4; FP-POS=3; SEGMENT=A			154 Secs (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 b/c exptime - 100 &lt; 80 which is the minimum exptime</i></p>									
	4	G160M/157 (6) GD71 7/FUVA (COS.sp.413 980)	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=10 2; FP-POS=3; SEGMENT=A			102 Secs (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	G130M/109 (6) GD71 6/FUVB (COS.sp.418 698)	COS/FUV, TIME-TAG, PSA	G130M 1096 A	BUFFER-TIME=50 0; FP-POS=3; SEGMENT=B			600 Secs (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>										
6	DARK	S/C, DATA, NONE				QASISTATES COS FUV HVLOW HVL OW	1 Secs (1 Secs) [==>]	[1]		
<p><i>Comments: Work-around to efficiently schedule the SEG-B to SEG-A reconfiguration. Eliminates SPSS induced gaps.</i></p>										
7	G130M/109 WAVE 6/FUVA W AVECAL	COS/FUV, TIME-TAG, WCA	G130M 1096 A	FP-POS=3; SEGMENT=A; FLASH=NO			140 Secs (140 Secs) [==>]	[1]		



Proposal 13520 - WD0308 - complete (02) - COS FUV Spectroscopic Sensitivity Monitoring

Thu Aug 28 01:02:49 GMT 2014

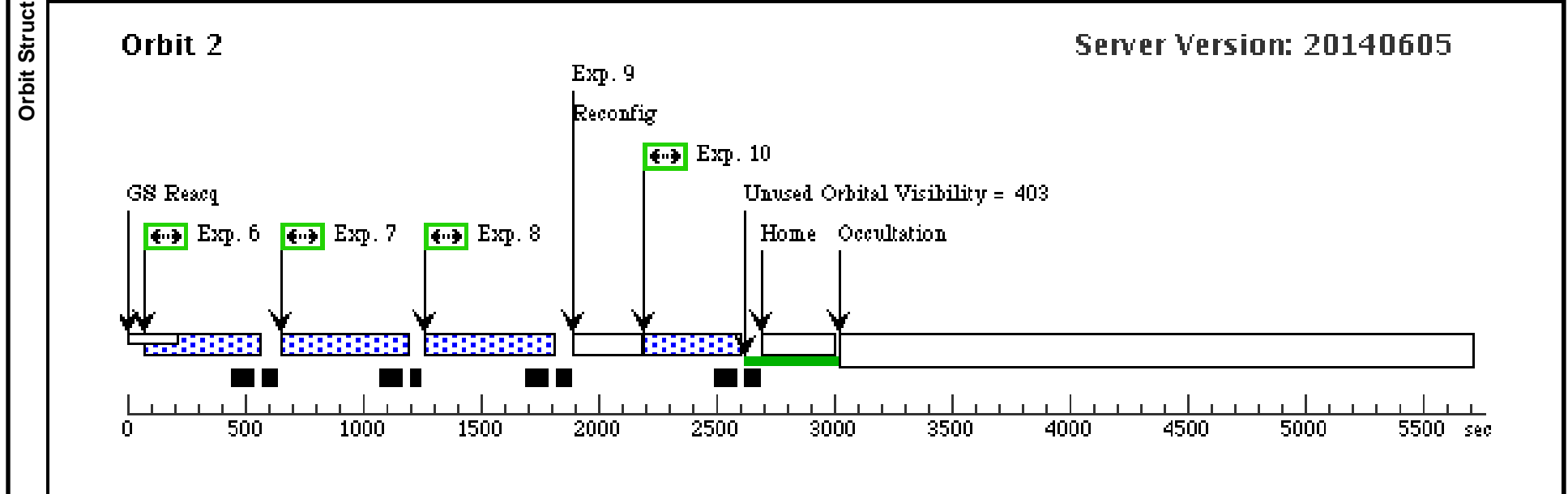
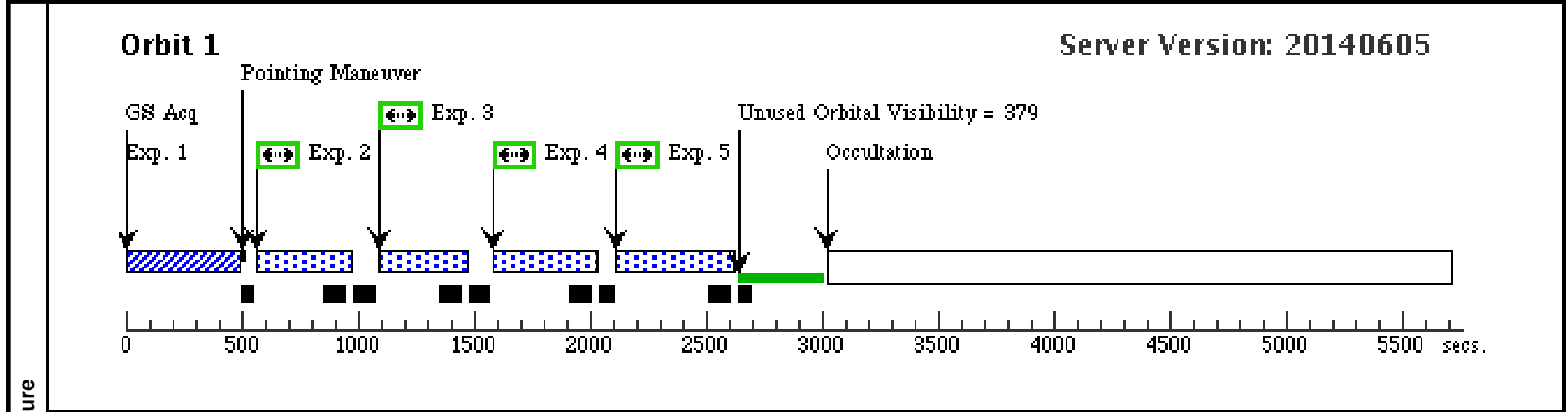
<b>Visit</b>	<p><b>Proposal 13520, WD0308 - complete (02), completed</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Scientific Instruments: COS/NUV, S/C, COS/FUV</p> <p>Special Requirements: SCHED 100%; BETWEEN 23-DEC-2013:00:00:00 AND 29-DEC-2013:00:00:00</p> <p><i>Comments: George Chapman added Exposure 9</i></p>					
<b>Diagnostics</b>	<p>(WD0308 - complete (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.</p>					
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>
	(1)	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
	<p><i>Comments: Coordinates from Charle's proposal</i></p>					

Proposal 13520 - WD0308 - complete (02) - COS FUV Spectroscopic Sensitivity Monitoring

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	ACQ/IM (396029)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA			45 Secs (45 Secs) [==>]	[1]
	2	G130M/122 2 (COS.sp.395 840)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1222 A	BUFFER-TIME=12 6; FP-POS=3		226 Secs (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)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=14 4; FP-POS=3		244 Secs (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/132 7 (COS.sp.395 843)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=21 2; FP-POS=3		312 Secs (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>								
	5	G130M/105 5/FUVA (OS.sp.5241 17)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1055 A	BUFFER-TIME=23 4; FP-POS=3; SEGMENT=BOTH		334 Secs (334 Secs) [==>]	[1]
<p><i>Comments: ETC buffer time is 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 = 224</i></p> <p><i>Continue use of 1 FP-POS</i></p>									
6	G160M/157 7 (395846)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=3; BUFFER-TIME=19 0		290 Secs (290 Secs) [==>]	[2]	
<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/162 3 (395848)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1623 A	FP-POS=3; BUFFER-TIME=30 0		400 Secs (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>									
8	G140L/1230 (COS.sp.395 854)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=18 0; FP-POS=3		280 Secs (280 Secs) [==>]	[2]	
<p><i>Comments: ETC buffer time is 479, 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 = 180</i></p> <p><i>Continue use of 1 FP-POS</i></p>									

Proposal 13520 - WD0308 - complete (02) - COS FUV Spectroscopic Sensitivity Monitoring

9	DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVL OW	1 Secs (1 Secs) [==>]	[2]
<i>Comments: Work-around to efficiently schedule the reconfiguration to SEG-A. Eliminates SPSS induced gaps.</i>							
10	G140L/1105 (1) WD0308-565 /FUA (OS.sp.3958 53)	COS/FUV, TIME-TAG, PSA	G140L 1105 A	BUFFER-TIME=18 0; FP-POS=3; SEGMENT=A		280 Secs (280 Secs) [==>]	[2]
<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>							





Proposal 13520 - WD0308 - complete (04) - COS FUV Spectroscopic Sensitivity Monitoring

Thu Aug 28 01:02:50 GMT 2014

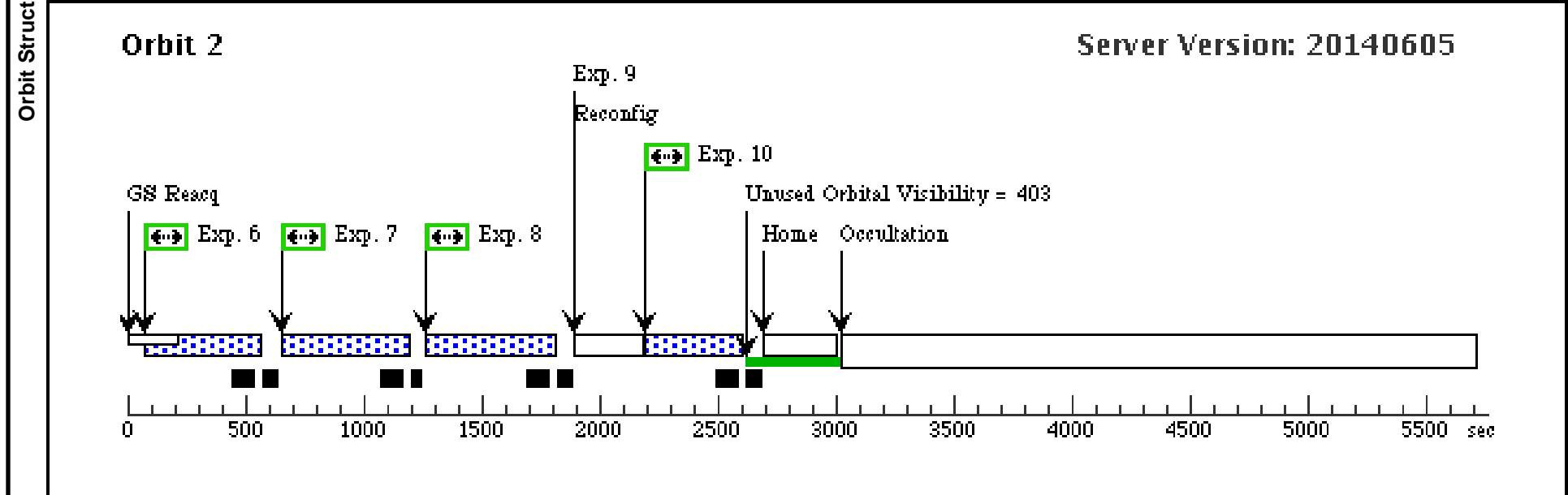
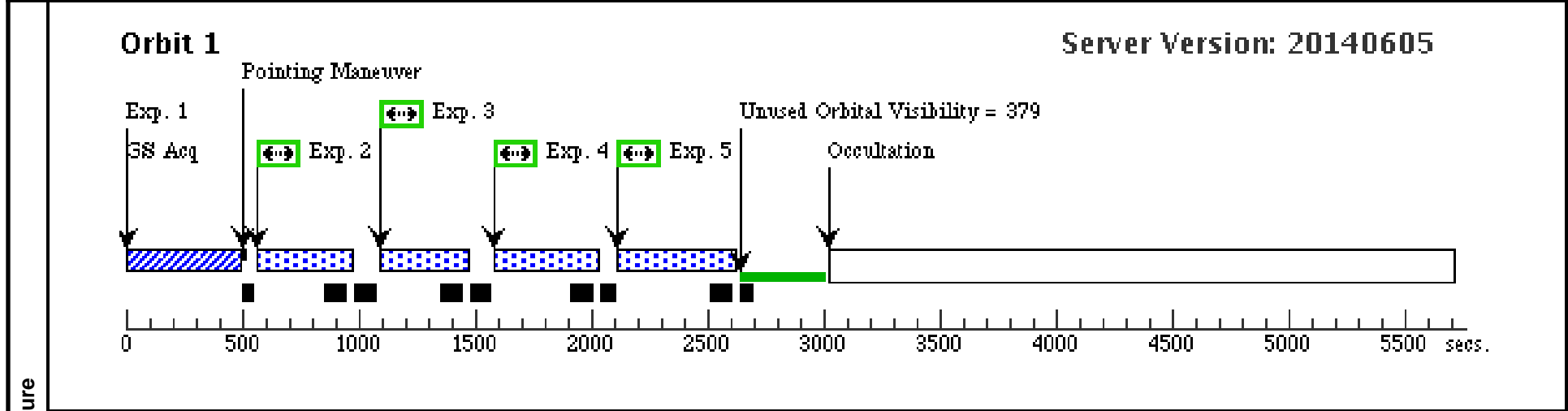
<b>Visit</b>	<p><b>Proposal 13520, WD0308 - complete (04), completed</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Scientific Instruments: COS/NUV, S/C, COS/FUV</p> <p>Special Requirements: SCHED 100%; BETWEEN 17-FEB-2014:00:00:00 AND 23-FEB-2014:00:00:00</p> <p><i>Comments: George Chapman added Exposure 9</i></p>					
	<p>(WD0308 - complete (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.</p>					
<b>Diagnosics</b>						
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>
	(1)	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
<p><i>Comments: Coordinates from Charle's proposal</i></p>						

Proposal 13520 - WD0308 - complete (04) - COS FUV Spectroscopic Sensitivity Monitoring

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	ACQ/IM (396029)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA			45 Secs (45 Secs) [==>]	[1]
	2	G130M/122 2 (COS.sp.395 840)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1222 A	BUFFER-TIME=12 6; FP-POS=3		226 Secs (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)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=14 4; FP-POS=3		244 Secs (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/132 7 (COS.sp.395 843)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=21 2; FP-POS=3		312 Secs (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>								
	5	G130M/105 5/FUVA (OS.sp.5241 17)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1055 A	BUFFER-TIME=23 4; FP-POS=3; SEGMENT=BOTH		334 Secs (334 Secs) [==>]	[1]
<p><i>Comments: ETC buffer time is 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 = 224</i></p> <p><i>Continue use of 1 FP-POS</i></p>									
6	G160M/157 7 (395846)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=3; BUFFER-TIME=19 0		290 Secs (290 Secs) [==>]	[2]	
<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/162 3 (395848)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1623 A	FP-POS=3; BUFFER-TIME=30 0		400 Secs (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>									
8	G140L/1230 (COS.sp.395 854)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=18 0; FP-POS=3		280 Secs (280 Secs) [==>]	[2]	
<p><i>Comments: ETC buffer time is 479, 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 = 180</i></p> <p><i>Continue use of 1 FP-POS</i></p>									

Proposal 13520 - WD0308 - complete (04) - COS FUV Spectroscopic Sensitivity Monitoring

9	DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVL OW	1 Secs (1 Secs) [==>]	[2]
<i>Comments: Work-around to efficiently schedule the reconfiguration to SEG-A. Eliminates SPSS induced gaps.</i>							
10	G140L/1105 (1) WD0308-565 /FUA (OS.sp.3958 53)	COS/FUV, TIME-TAG, PSA	G140L 1105 A	BUFFER-TIME=18 0; FP-POS=3; SEGMENT=A		280 Secs (280 Secs) [==>]	[2]
<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>							



Proposal 13520 - WD0308 - complete (06) - COS FUV Spectroscopic Sensitivity Monitoring

Thu Aug 28 01:02:50 GMT 2014

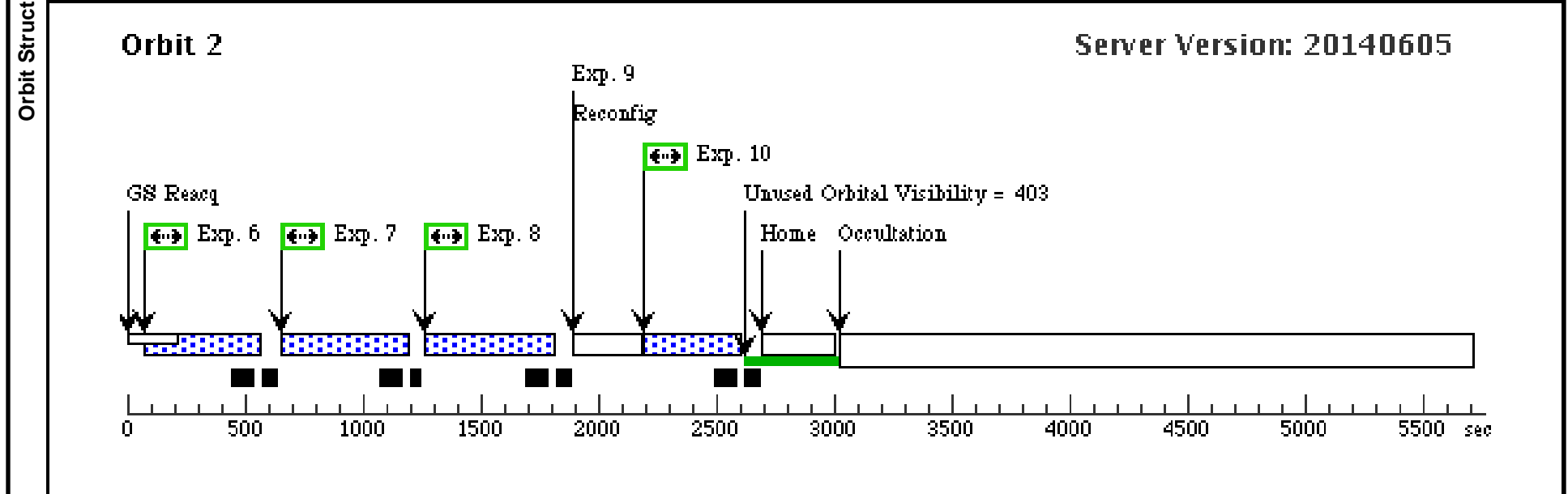
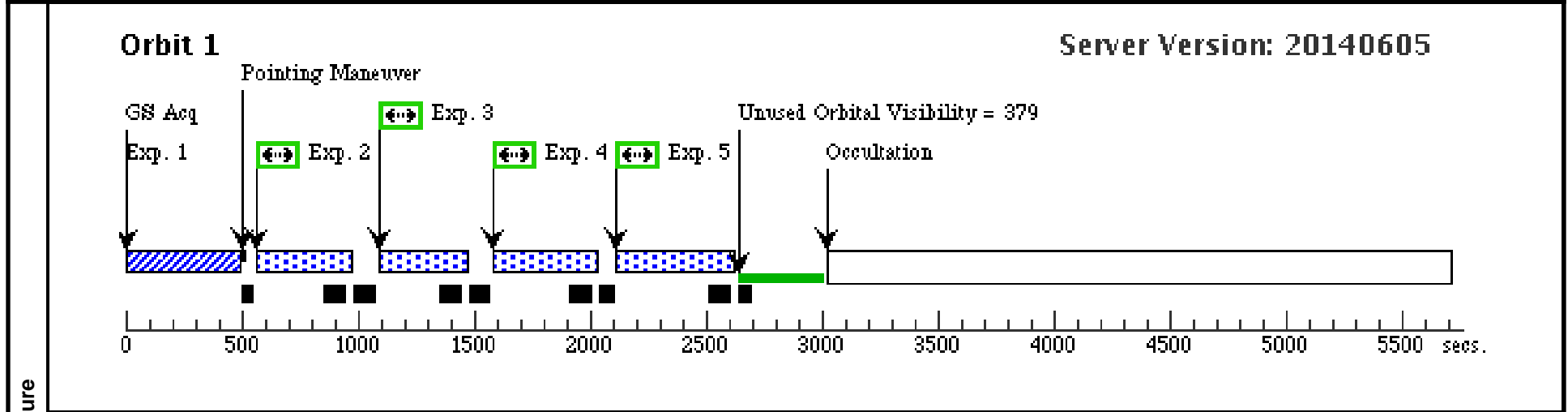
<b>Visit</b>	<p><b>Proposal 13520, WD0308 - complete (06), completed</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Scientific Instruments: COS/NUV, S/C, COS/FUV</p> <p>Special Requirements: SCHED 100%; BETWEEN 21-APR-2014:00:00:00 AND 27-APR-2014:00:00:00</p> <p><i>Comments: George Chapman added Exposure 9</i></p>																	
<b>Diagnostics</b>	<p>(WD0308 - complete (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.</p>																	
<b>Fixed Targets</b>	<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>(1)</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	(1)	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													
(1)	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 13520 - WD0308 - complete (06) - COS FUV Spectroscopic Sensitivity Monitoring

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	ACQ/IM (396029)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA			45 Secs (45 Secs) [==>]	[1]
	2	G130M/122 2 (COS.sp.395 840)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1222 A	BUFFER-TIME=12 6; FP-POS=3		226 Secs (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)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=14 4; FP-POS=3		244 Secs (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/132 7 (COS.sp.395 843)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=21 2; FP-POS=3		312 Secs (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>								
	5	G130M/105 5/FUVA (OS.sp.5241 17)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1055 A	BUFFER-TIME=23 4; FP-POS=3; SEGMENT=BOTH		334 Secs (334 Secs) [==>]	[1]
<p><i>Comments: ETC buffer time is 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 = 224</i></p> <p><i>Continue use of 1 FP-POS</i></p>									
6	G160M/157 7 (395846)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=3; BUFFER-TIME=19 0		290 Secs (290 Secs) [==>]	[2]	
<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/162 3 (395848)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1623 A	FP-POS=3; BUFFER-TIME=30 0		400 Secs (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>									
8	G140L/1230 (COS.sp.395 854)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=18 0; FP-POS=3		280 Secs (280 Secs) [==>]	[2]	
<p><i>Comments: ETC buffer time is 479, 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 = 180</i></p> <p><i>Continue use of 1 FP-POS</i></p>									

Proposal 13520 - WD0308 - complete (06) - COS FUV Spectroscopic Sensitivity Monitoring

9	DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVL OW	1 Secs (1 Secs) [==>]	[2]
<i>Comments: Work-around to efficiently schedule the reconfiguration to SEG-A. Eliminates SPSS induced gaps.</i>							
10	G140L/1105 (1) WD0308-565 /FUA (OS.sp.3958 53)	COS/FUV, TIME-TAG, PSA	G140L 1105 A	BUFFER-TIME=18 0; FP-POS=3; SEGMENT=A		280 Secs (280 Secs) [==>]	[2]
<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>							



Proposal 13520 - WD0308 - complete (08) - COS FUV Spectroscopic Sensitivity Monitoring

Thu Aug 28 01:02:50 GMT 2014

<b>Visit</b>	<p><b>Proposal 13520, WD0308 - complete (08), completed</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Scientific Instruments: COS/NUV, S/C, COS/FUV</p> <p>Special Requirements: SCHED 100%; BETWEEN 23-JUN-2014:00:00:00 AND 30-JUN-2014:00:00:00</p> <p><i>Comments: George Chapman added Exposure 9</i></p>					
<b>Diagnostics</b>	<p>(WD0308 - complete (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>					
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>
	(1)	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
	<p><i>Comments: Coordinates from Charle's proposal</i></p>					

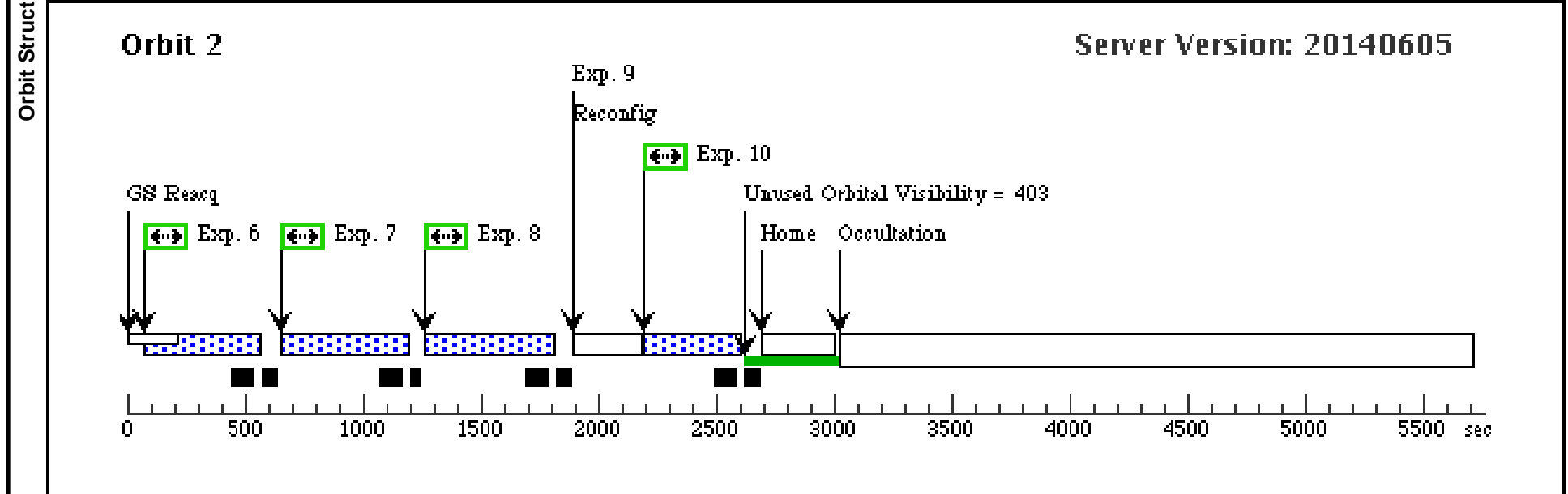
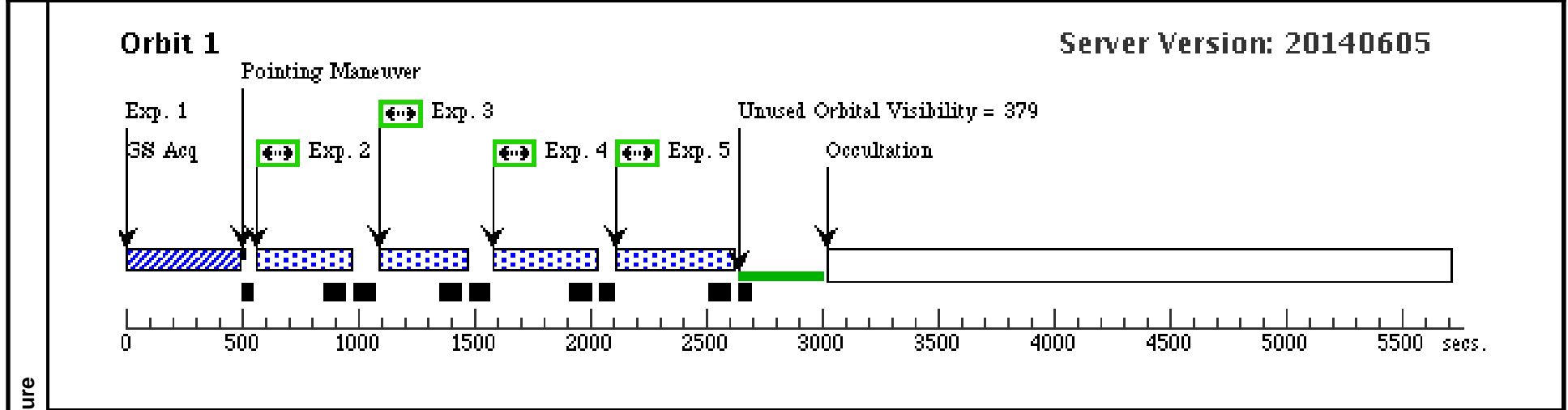
Proposal 13520 - WD0308 - complete (08) - COS FUV Spectroscopic Sensitivity Monitoring

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	ACQ/IM (396029)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA			45 Secs (45 Secs) [==>]	[1]
	2	G130M/122 2 (COS.sp.395 840)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1222 A	BUFFER-TIME=12 6; FP-POS=3		226 Secs (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)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=14 4; FP-POS=3		244 Secs (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/132 7 (COS.sp.395 843)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=21 2; FP-POS=3		312 Secs (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>								
	5	G130M/105 5/FUVA (OS.sp.5241 17)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1055 A	BUFFER-TIME=23 4; FP-POS=3; SEGMENT=BOTH		334 Secs (334 Secs) [==>]	[1]
<p><i>Comments: ETC buffer time is 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 = 224</i></p> <p><i>Continue use of 1 FP-POS</i></p>									
6	G160M/157 7 (395846)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=3; BUFFER-TIME=19 0		290 Secs (290 Secs) [==>]	[2]	
<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/162 3 (395848)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1623 A	FP-POS=3; BUFFER-TIME=30 0		400 Secs (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>									
8	G140L/1230 (COS.sp.395 854)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=18 0; FP-POS=3		280 Secs (280 Secs) [==>]	[2]	
<p><i>Comments: ETC buffer time is 479, 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 = 180</i></p> <p><i>Continue use of 1 FP-POS</i></p>									



Proposal 13520 - WD0308 - complete (08) - COS FUV Spectroscopic Sensitivity Monitoring

9	DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVL OW	1 Secs (1 Secs) [==>]	[2]
<i>Comments: Work-around to efficiently schedule the reconfiguration to SEG-A. Eliminates SPSS induced gaps.</i>							
10	G140L/1105 (1) WD0308-565 /FUA (OS.sp.3958 53)	COS/FUV, TIME-TAG, PSA	G140L 1105 A	BUFFER-TIME=18 0; FP-POS=3; SEGMENT=A		280 Secs (280 Secs) [==>]	[2]
<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>							



Proposal 13520 - WD0308 - complete (10) - COS FUV Spectroscopic Sensitivity Monitoring

Thu Aug 28 01:02:50 GMT 2014

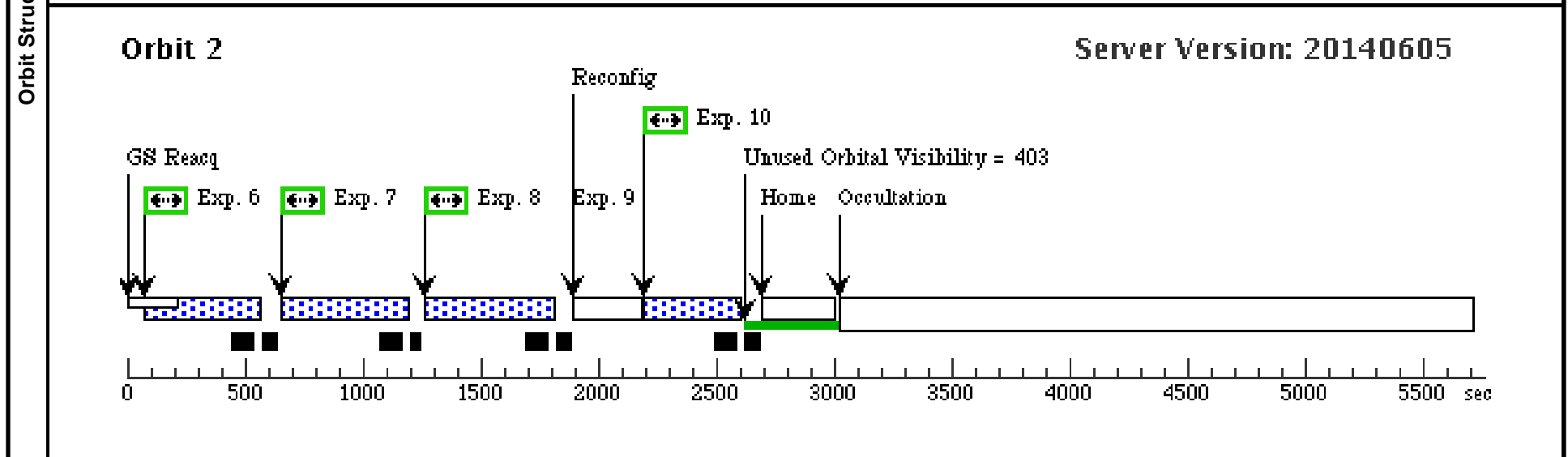
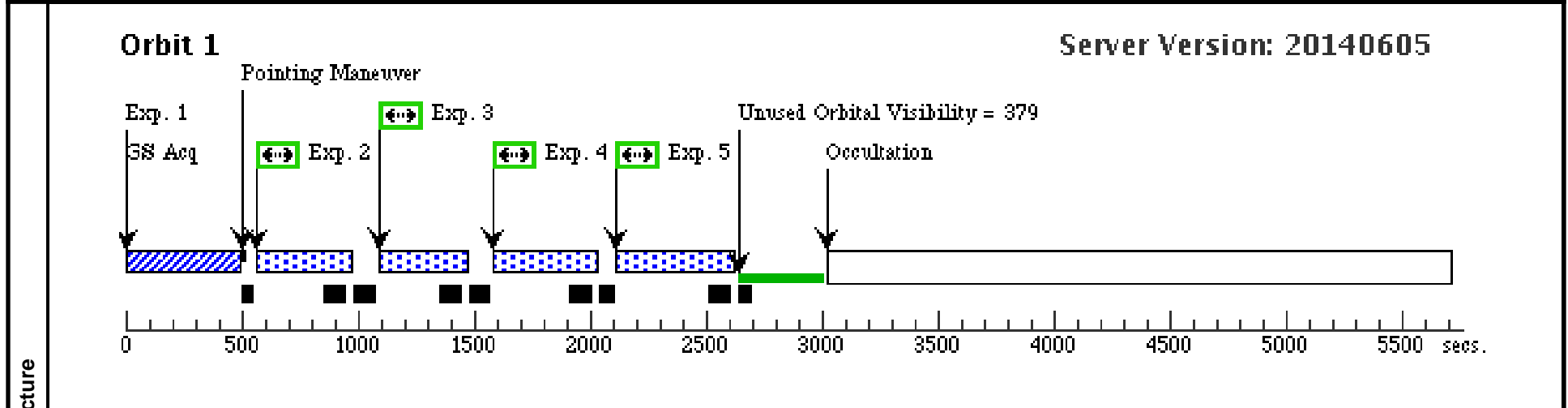
<b>Visit</b>	<p><b>Proposal 13520, WD0308 - complete (10), completed</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Scientific Instruments: COS/NUV, S/C, COS/FUV</p> <p>Special Requirements: SCHED 100%; BETWEEN 18-AUG-2014:00:00:00 AND 24-AUG-2014:00:00:00</p> <p><i>Comments: George Chapman added Exposure 9</i></p>																	
<b>Diagnostics</b>	<p>(WD0308 - complete (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.</p>																	
<b>Fixed Targets</b>	<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>(1)</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	(1)	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													
(1)	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 13520 - WD0308 - complete (10) - COS FUV Spectroscopic Sensitivity Monitoring

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	ACQ/IM (396029)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA			45 Secs (45 Secs) [==>]	[1]
	2	G130M/122 2 (COS.sp.395 840)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1222 A	BUFFER-TIME=12 6; FP-POS=3		226 Secs (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)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=14 4; FP-POS=3		244 Secs (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/132 7 (COS.sp.395 843)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=21 2; FP-POS=3		312 Secs (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>								
	5	G130M/105 5/FUVA (OS.sp.5241 17)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1055 A	BUFFER-TIME=23 4; FP-POS=3; SEGMENT=BOTH		334 Secs (334 Secs) [==>]	[1]
	<p><i>Comments: ETC buffer time is 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 = 224</i></p> <p><i>Continue use of 1 FP-POS</i></p>								
	6	G160M/157 7 (395846)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=3; BUFFER-TIME=19 0		290 Secs (290 Secs) [==>]	[2]
<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/162 3 (395848)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1623 A	FP-POS=3; BUFFER-TIME=30 0		400 Secs (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>									
8	G140L/1230 (COS.sp.395 854)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=18 0; FP-POS=3		280 Secs (280 Secs) [==>]	[2]	
<p><i>Comments: ETC buffer time is 479, 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 = 180</i></p> <p><i>Continue use of 1 FP-POS</i></p>									

Proposal 13520 - WD0308 - complete (10) - COS FUV Spectroscopic Sensitivity Monitoring

9	DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVL OW	1 Secs (1 Secs) [==>]	[2]
<i>Comments: Work-around to efficiently schedule the reconfiguration to SEG-A. Eliminates SPSS induced gaps.</i>							
10	G140L/1105 (1) WD0308-565 /FUVA (OS.sp.3958 53)	COS/FUV, TIME-TAG, PSA	G140L 1105 A	0;	BUFFER-TIME=18 FP-POS=3; SEGMENT=A	280 Secs (280 Secs) [==>]	[2]
<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>							



Proposal 13520 - WD0308 - complete (12) - COS FUV Spectroscopic Sensitivity Monitoring

Thu Aug 28 01:02:50 GMT 2014

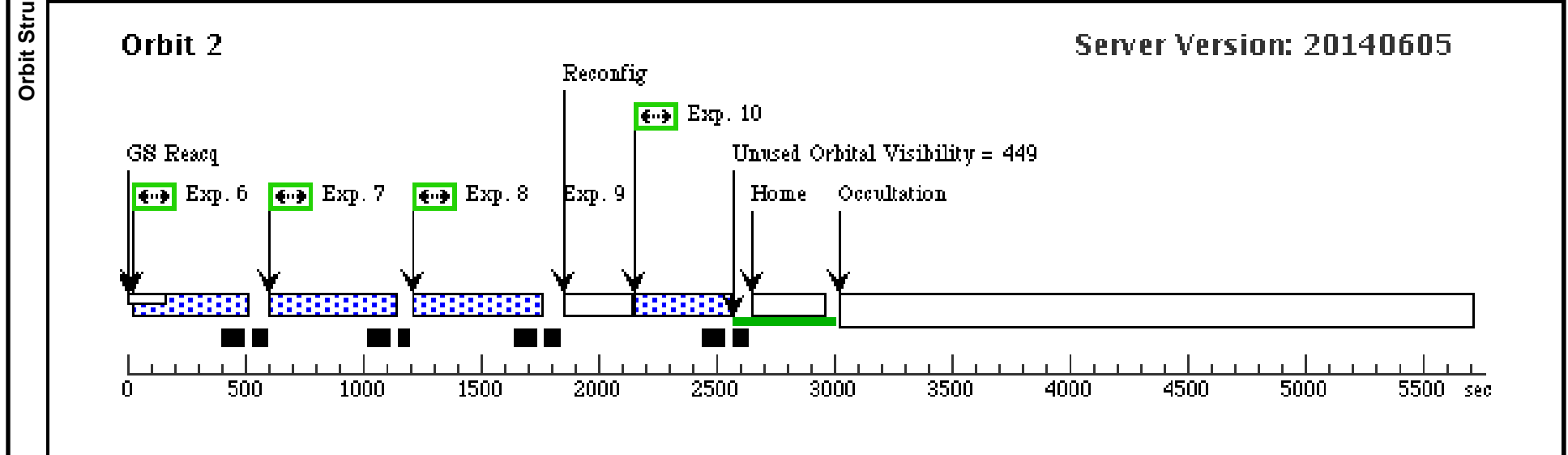
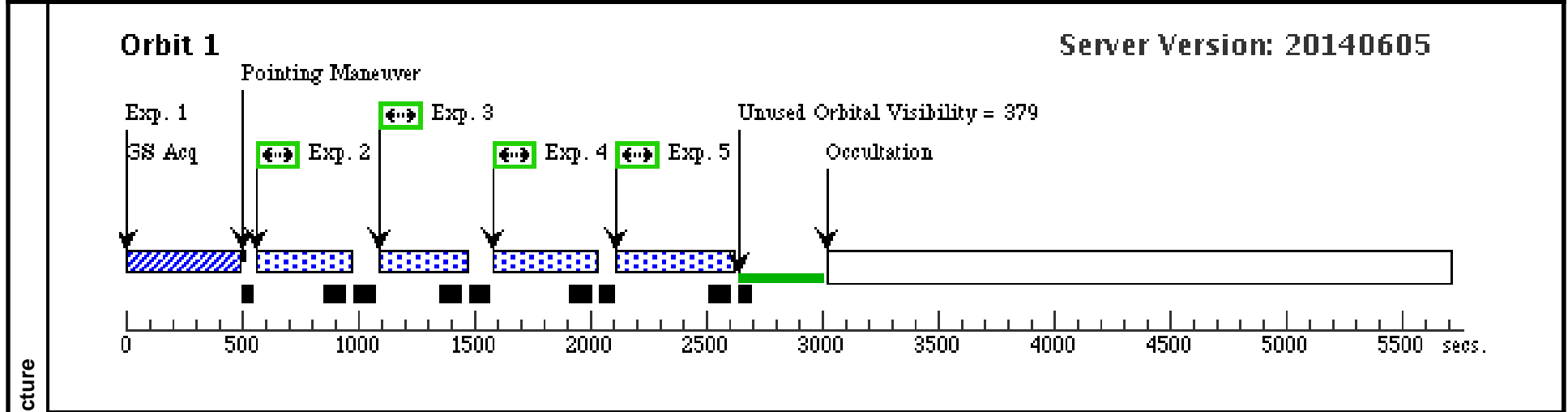
<b>Visit</b>	<p><b>Proposal 13520, WD0308 - complete (12), implementation</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Scientific Instruments: COS/NUV, S/C, COS/FUV</p> <p>Special Requirements: SCHED 100%; BETWEEN 22-SEP-2014:00:00:00 AND 28-SEP-2014:00:00:00</p> <p><i>Comments: George Chapman added Exposure 9</i></p>					
	<p>(WD0308 - complete (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.</p>					
<b>Diagnosics</b>						
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>
	(1)	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
<p><i>Comments: Coordinates from Charle's proposal</i></p>						

Proposal 13520 - WD0308 - complete (12) - COS FUV Spectroscopic Sensitivity Monitoring

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	ACQ/IM (396029)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA		GS ACQ SCENARI O SINGLE	45 Secs (45 Secs) [==>]	[1]
	2	G130M/122 2 (COS.sp.395 840)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1222 A	BUFFER-TIME=12 6; FP-POS=3		226 Secs (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)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=14 4; FP-POS=3		244 Secs (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/132 7 (COS.sp.395 843)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=21 2; FP-POS=3		312 Secs (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>								
	5	G130M/105 5/FUVA (OS.sp.5241 17)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1055 A	BUFFER-TIME=23 4; FP-POS=3; SEGMENT=BOTH		334 Secs (334 Secs) [==>]	[1]
<p><i>Comments: ETC buffer time is 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 = 224</i></p> <p><i>Continue use of 1 FP-POS</i></p>									
6	G160M/157 7 (395846)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=3; BUFFER-TIME=19 0		290 Secs (290 Secs) [==>]	[2]	
<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/162 3 (395848)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1623 A	FP-POS=3; BUFFER-TIME=30 0		400 Secs (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>									
8	G140L/1230 (COS.sp.395 854)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=18 0; FP-POS=3		280 Secs (280 Secs) [==>]	[2]	
<p><i>Comments: ETC buffer time is 479, 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 = 180</i></p> <p><i>Continue use of 1 FP-POS</i></p>									

Proposal 13520 - WD0308 - complete (12) - COS FUV Spectroscopic Sensitivity Monitoring

9	DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVL OW	1 Secs (1 Secs) [==>]	[2]
<i>Comments: Work-around to efficiently schedule the reconfiguration to SEG-A. Eliminates SPSS induced gaps.</i>							
10	G140L/1105 (1) WD0308-565 /FUVA (OS.sp.3958 53)	COS/FUV, TIME-TAG, PSA	G140L 1105 A	0;	BUFFER-TIME=18 FP-POS=3; SEGMENT=A	280 Secs (280 Secs) [==>]	[2]
<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>							

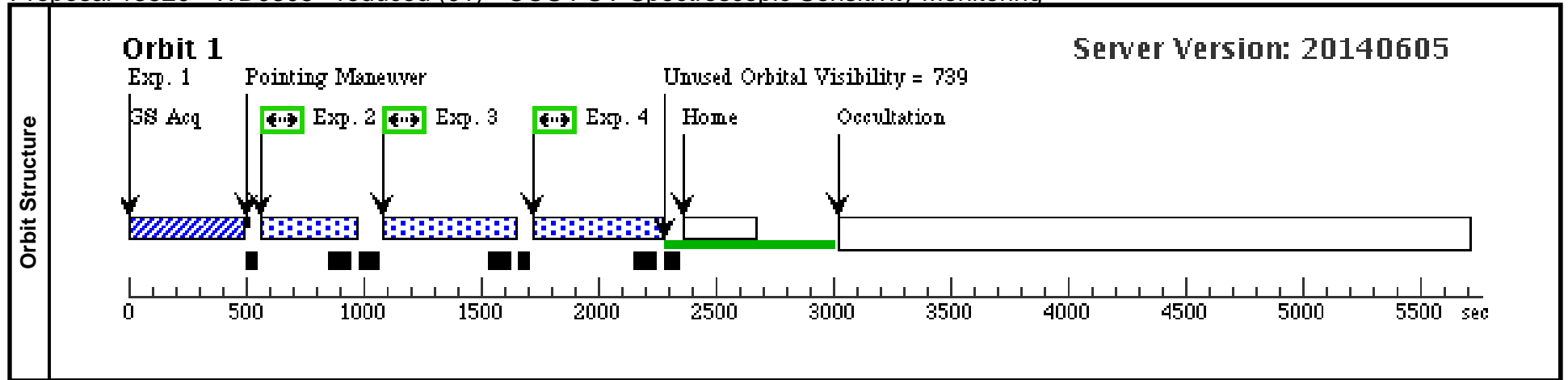


Proposal 13520 - WD0308 - reduced (01) - COS FUV Spectroscopic Sensitivity Monitoring

Thu Aug 28 01:02:50 GMT 2014

<b>Visit</b>	<b>Proposal 13520, WD0308 - reduced (01), completed</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: COS/NUV, COS/FUV Special Requirements: SCHED 100%; BETWEEN 18-NOV-2013:00:00:00 AND 24-NOV-2013:00:00:00									
	(WD0308 - reduced (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.									
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>	<b>Miscellaneous</b>			
	(1)	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			
<i>Comments: Coordinates from Charle's proposal</i>										
<b>Exposures</b>	<b>#</b>	<b>Label (ETC Run)</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time (Total)/[Actual Dur.]</b>	<b>Orbit</b>
	1	ACQ/IM (396029)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA		GS ACQ SCENARI O BASE1B3		45 Secs (45 Secs) [==>]	[1]
	2	G130M/129 1 (COS.sp.395 841)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=14 4; FP-POS=3			244 Secs (244 Secs) [==>]	[1]
	<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 Continue use of 1 FP-POS</i>									
	3	G160M/162 3 (395848)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1623 A	FP-POS=3; BUFFER-TIME=30 0			400 Secs (400 Secs) [==>]	[1]
<i>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</i>										
4	G140L/1230 (COS.sp.395 854)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=18 0; FP-POS=3			280 Secs (280 Secs) [==>]	[1]	
<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>										

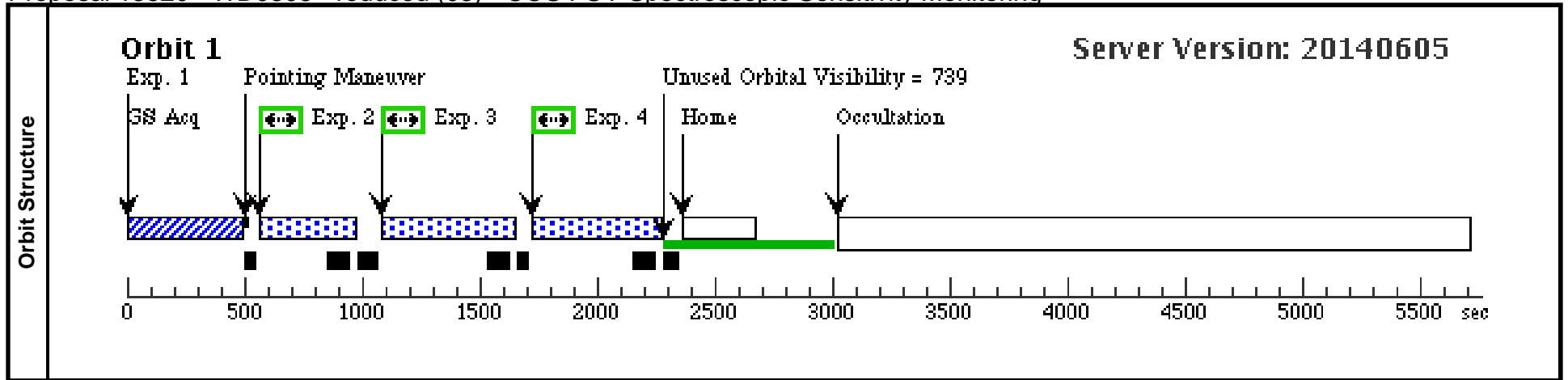




Proposal 13520 - WD0308 - reduced (03) - COS FUV Spectroscopic Sensitivity Monitoring

Thu Aug 28 01:02:50 GMT 2014

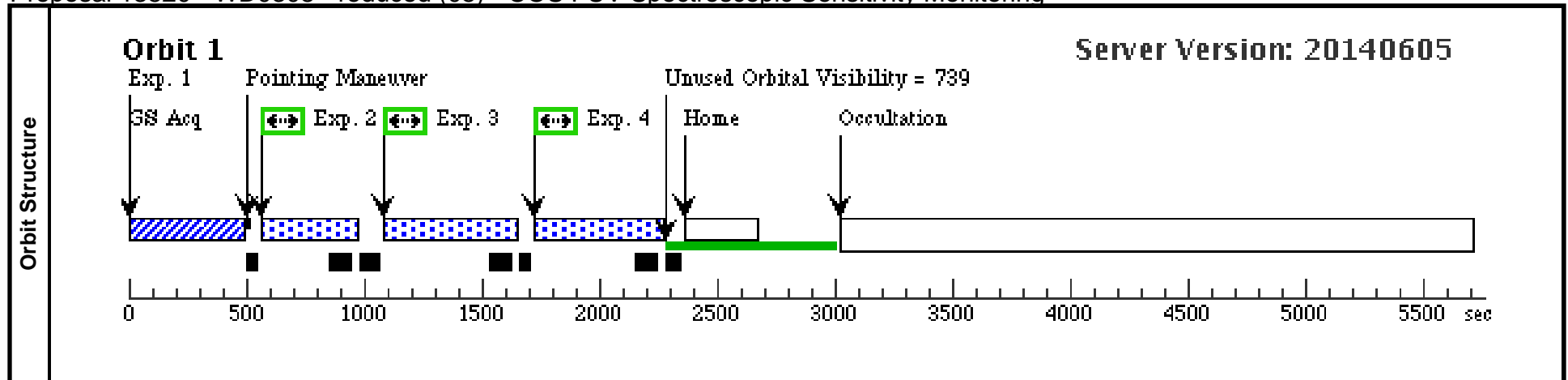
<b>Visit</b>	<b>Proposal 13520, WD0308 - reduced (03), completed</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: COS/NUV, COS/FUV Special Requirements: SCHED 100%; BETWEEN 20-JAN-2014:00:00:00 AND 26-JAN-2014:00:00:00										
	(WD0308 - reduced (03)) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.										
<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
	(1)	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					
<i>Comments: Coordinates from Charle's proposal</i>											
<b>Exposures</b>	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	ACQ/IM (396029)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				45 Secs (45 Secs) [==>]	[1]	
	2	G130M/129 1 (COS.sp.395 841)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=14 4; FP-POS=3			244 Secs (244 Secs) [==>]	[1]	
	<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 Continue use of 1 FP-POS</i>										
	3	G160M/162 3 (395848)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1623 A	FP-POS=3; BUFFER-TIME=30 0			400 Secs (400 Secs) [==>]	[1]	
<i>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</i>											
4	G140L/1230 (COS.sp.395 854)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=18 0; FP-POS=3			280 Secs (280 Secs) [==>]	[1]		
<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>											



Proposal 13520 - WD0308 - reduced (05) - COS FUV Spectroscopic Sensitivity Monitoring

Thu Aug 28 01:02:50 GMT 2014

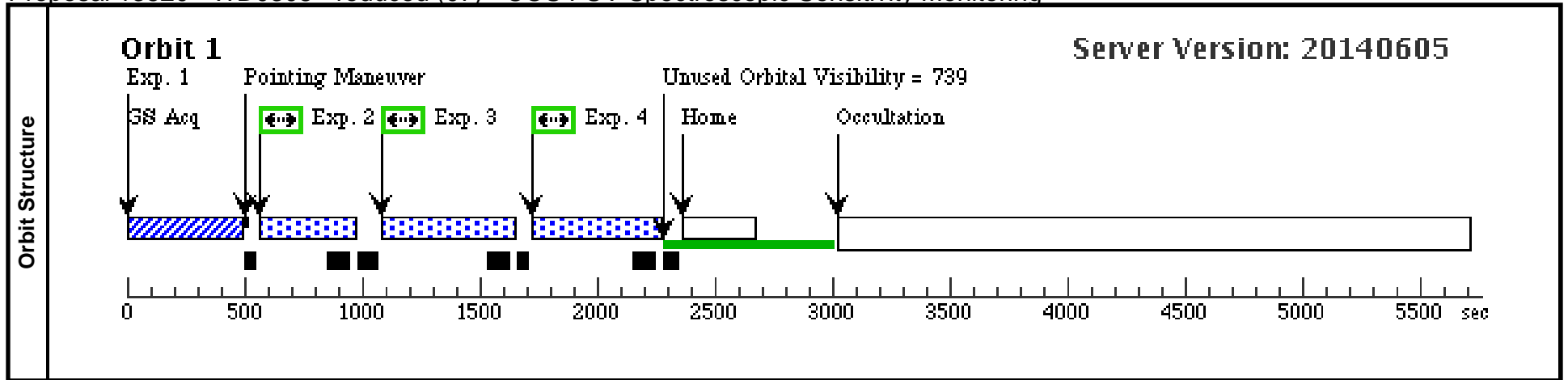
<b>Visit</b>	<b>Proposal 13520, WD0308 - reduced (05), completed</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: COS/NUV, COS/FUV Special Requirements: SCHED 100%; BETWEEN 17-MAR-2014:00:00:00 AND 23-MAR-2014:00:00:00									
	(WD0308 - reduced (05)) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.									
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>	<b>Miscellaneous</b>			
	(1)	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			
<i>Comments: Coordinates from Charle's proposal</i>										
<b>Exposures</b>	<b>#</b>	<b>Label (ETC Run)</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time (Total)/[Actual Dur.]</b>	<b>Orbit</b>
	1	ACQ/IM (396029)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				45 Secs (45 Secs) [==>]	[1]
	2	G130M/129 1 (COS.sp.395 841)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=14 4; FP-POS=3			244 Secs (244 Secs) [==>]	[1]
	<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 Continue use of 1 FP-POS</i>									
	3	G160M/162 3 (395848)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1623 A	FP-POS=3; BUFFER-TIME=30 0			400 Secs (400 Secs) [==>]	[1]
<i>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</i>										
4	G140L/1230 (COS.sp.395 854)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=18 0; FP-POS=3			280 Secs (280 Secs) [==>]	[1]	
<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>										



Proposal 13520 - WD0308 - reduced (07) - COS FUV Spectroscopic Sensitivity Monitoring

Thu Aug 28 01:02:50 GMT 2014

<b>Visit</b>	<b>Proposal 13520, WD0308 - reduced (07), completed</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: COS/NUV, COS/FUV Special Requirements: SCHED 100%; BETWEEN 19-MAY-2014:00:00:00 AND 25-MAY-2014:00:00:00									
	(WD0308 - reduced (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.									
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>	<b>Miscellaneous</b>			
	(1)	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			
<i>Comments: Coordinates from Charle's proposal</i>										
<b>Exposures</b>	<b>#</b>	<b>Label (ETC Run)</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time (Total)/[Actual Dur.]</b>	<b>Orbit</b>
	1	ACQ/IM (396029)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				45 Secs (45 Secs) [==>]	[1]
	2	G130M/129 1 (COS.sp.395 841)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=14 4; FP-POS=3			244 Secs (244 Secs) [==>]	[1]
	<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 Continue use of 1 FP-POS</i>									
	3	G160M/162 3 (395848)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1623 A	FP-POS=3; BUFFER-TIME=30 0			400 Secs (400 Secs) [==>]	[1]
	<i>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</i>									
4	G140L/1230 (COS.sp.395 854)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=18 0; FP-POS=3			280 Secs (280 Secs) [==>]	[1]	
<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>										

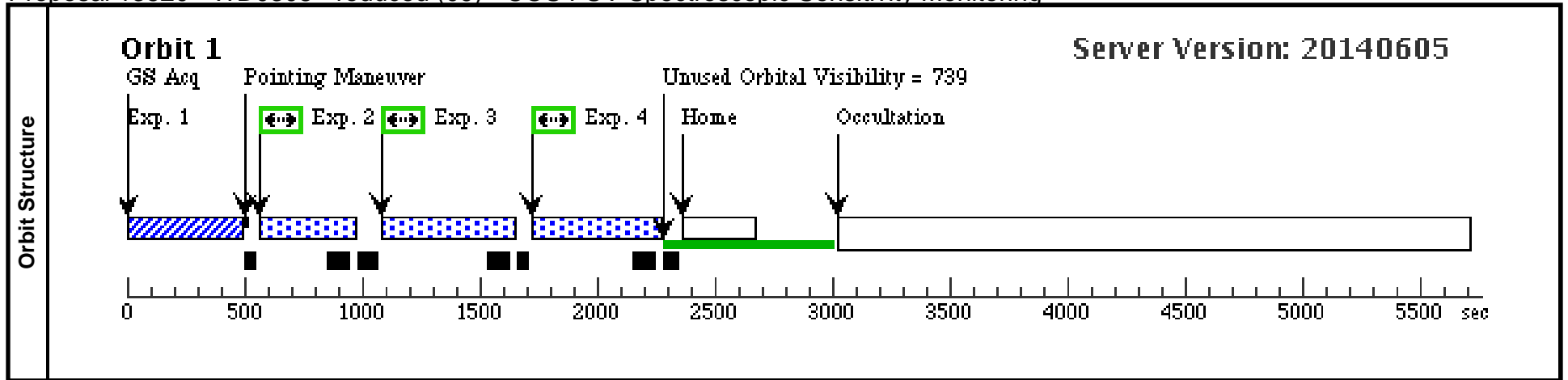


Proposal 13520 - WD0308 - reduced (09) - COS FUV Spectroscopic Sensitivity Monitoring

Thu Aug 28 01:02:50 GMT 2014

<b>Visit</b>	<b>Proposal 13520, WD0308 - reduced (09), completed</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: COS/NUV, COS/FUV Special Requirements: SCHED 100%; BETWEEN 21-JUL-2014:00:00:00 AND 27-JUL-2014:00:00:00									
	(WD0308 - reduced (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.									
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>	<b>Miscellaneous</b>			
	(1)	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			
<i>Comments: Coordinates from Charle's proposal</i>										
<b>Exposures</b>	<b>#</b>	<b>Label (ETC Run)</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time (Total)/[Actual Dur.]</b>	<b>Orbit</b>
	1	ACQ/IM (396029)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				45 Secs (45 Secs) [==>]	[1]
	2	G130M/129 1 (COS.sp.395 841)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=14 4; FP-POS=3			244 Secs (244 Secs) [==>]	[1]
	<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 Continue use of 1 FP-POS</i>									
	3	G160M/162 3 (395848)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1623 A	FP-POS=3; BUFFER-TIME=30 0			400 Secs (400 Secs) [==>]	[1]
<i>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</i>										
4	G140L/1230 (COS.sp.395 854)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=18 0; FP-POS=3			280 Secs (280 Secs) [==>]	[1]	
<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>										





Proposal 13520 - WD0308 - reduced (11) - COS FUV Spectroscopic Sensitivity Monitoring

Thu Aug 28 01:02:50 GMT 2014

<b>Visit</b>	<b>Proposal 13520, WD0308 - reduced (11), implementation</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: COS/NUV, COS/FUV Special Requirements: SCHED 100%; BETWEEN 20-OCT-2014:00:00:00 AND 26-OCT-2014:00:00:00										
	(WD0308 - reduced (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.										
<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
	(1)	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					
<i>Comments: Coordinates from Charle's proposal</i>											
<b>Exposures</b>	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	ACQ/IM (396029)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA		GS ACQ SCENARI O SINGLE		45 Secs (45 Secs) [==>]	[1]	
	2	G130M/129 1 (COS.sp.395 841)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1291 A	4; FP-POS=3	BUFFER-TIME=14		244 Secs (244 Secs) [==>]	[1]	
	<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 Continue use of 1 FP-POS</i>										
	3	G160M/162 3 (395848)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1623 A	FP-POS=3; 0	BUFFER-TIME=30		400 Secs (400 Secs) [==>]	[1]	
<i>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</i>											
4	G140L/1230 (COS.sp.395 854)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L 1280 A	0; FP-POS=3	BUFFER-TIME=18		280 Secs (280 Secs) [==>]	[1]		
<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>											

