



14435 - COS FUV Spectroscopic Sensitivity Monitoring

Cycle: 23, Proposal Category: CAL/COS

(Calibration)

(Availability Mode: RESTRICTED)

INVESTIGATORS

<i>Name</i>	<i>Institution</i>	<i>E-Mail</i>
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Dr. John Henry Debes (CoI)	Space Telescope Science Institute	debes@stsci.edu
Dr. Charles R. Proffitt (CoI)	Space Telescope Science Institute	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>
13	(6) GD71 DARK WAVE	COS/FUV COS/NUV S/C	1	09-Nov-2016 11:00:47.0	yes
14	(6) GD71 DARK WAVE	COS/FUV COS/NUV S/C	1	09-Nov-2016 11:00:48.0	yes
15	(6) GD71 DARK WAVE	COS/FUV COS/NUV S/C	1	09-Nov-2016 11:00:50.0	yes
16	(6) GD71 DARK WAVE	COS/FUV COS/NUV S/C	1	09-Nov-2016 11:00:51.0	yes

Proposal 14435 (STScI Edit Number: 3, Created: Wednesday, November 9, 2016 11:01:11 AM 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>
17	(6) GD71 DARK WAVE	COS/FUV COS/NUV S/C	1	09-Nov-2016 11:00:52.0	yes
02	(1) WD0308-565 DARK	COS/FUV COS/NUV S/C	2	09-Nov-2016 11:00:54.0	yes
04	(1) WD0308-565 DARK	COS/FUV COS/NUV S/C	2	09-Nov-2016 11:00:56.0	yes
06	(1) WD0308-565 DARK	COS/FUV COS/NUV S/C	2	09-Nov-2016 11:00:58.0	yes
08	(1) WD0308-565 DARK	COS/FUV COS/NUV S/C	2	09-Nov-2016 11:01:01.0	yes
10	(1) WD0308-565 DARK	COS/FUV COS/NUV S/C	2	09-Nov-2016 11:01:03.0	yes
12	(1) WD0308-565 DARK	COS/FUV COS/NUV S/C	2	09-Nov-2016 11:01:04.0	yes
01	(1) WD0308-565	COS/FUV COS/NUV	1	09-Nov-2016 11:01:06.0	yes
03	(1) WD0308-565	COS/FUV COS/NUV	1	09-Nov-2016 11:01:06.0	yes
05	(1) WD0308-565	COS/FUV COS/NUV	1	09-Nov-2016 11:01:07.0	yes
07	(1) WD0308-565	COS/FUV COS/NUV	1	09-Nov-2016 11:01:08.0	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>
09	(1) WD0308-565	COS/FUV COS/NUV	1	09-Nov-2016 11:01:09.0	yes
11	(1) WD0308-565	COS/FUV COS/NUV	1	09-Nov-2016 11:01:09.0	yes

23 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, has been in place since C21. Should any drastic changes occur, the contingency orbits will be activated.

OBSERVING DESCRIPTION

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, has been in place since C21. Should any drastic changes occur, the contingency orbits will be activated.

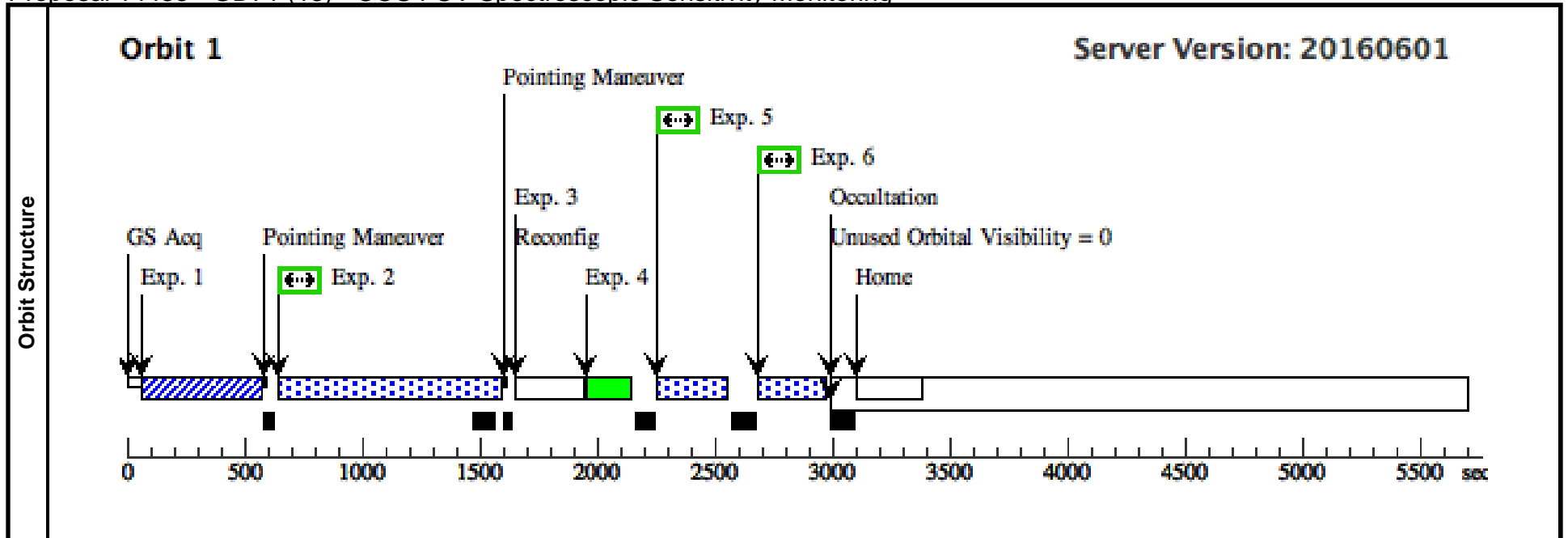
Proposal 14435 - GD71 (13) - COS FUV Spectroscopic Sensitivity Monitoring

Wed Nov 09 16:01:11 GMT 2016

Visit	<p>Proposal 14435, GD71 (13), completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: S/C, COS/FUV, COS/NUV</p> <p>Special Requirements: SCHED 100%; BETWEEN 28-DEC-2015:00:00:00 AND 03-JAN-2016:00:00:00</p> <p><i>Comments: exposure 4: GO wavecal to calculate the OSM shifts of the G130M/1096/FUVB observation</i></p> <p><i>George Chapman added Exposure 3</i></p> <p><i>Optimized the exposure time for the G130M/1096 setting to increase its SNR (exp time = 744 s) while remaining within the allocated time.</i></p>					
	<p>(GD71 (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.</p>					
Diagnosics						
Fixed Targets	#	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
<p><i>Comments: Use sma RA, DEC amd PM as in proposal 12392 by Bohlin et al.</i></p> <p><i>Extended=NO</i></p>						

Proposal 14435 - GD71 (13) - 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 (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=64 4; FP-POS=3; SEGMENT=B			744 Secs (744 Secs) [==>]	[1]
	<i>Comments: Set buffer-time = exptime - 100 sec = 644 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 < 80 which is the minimum exptime</i>										



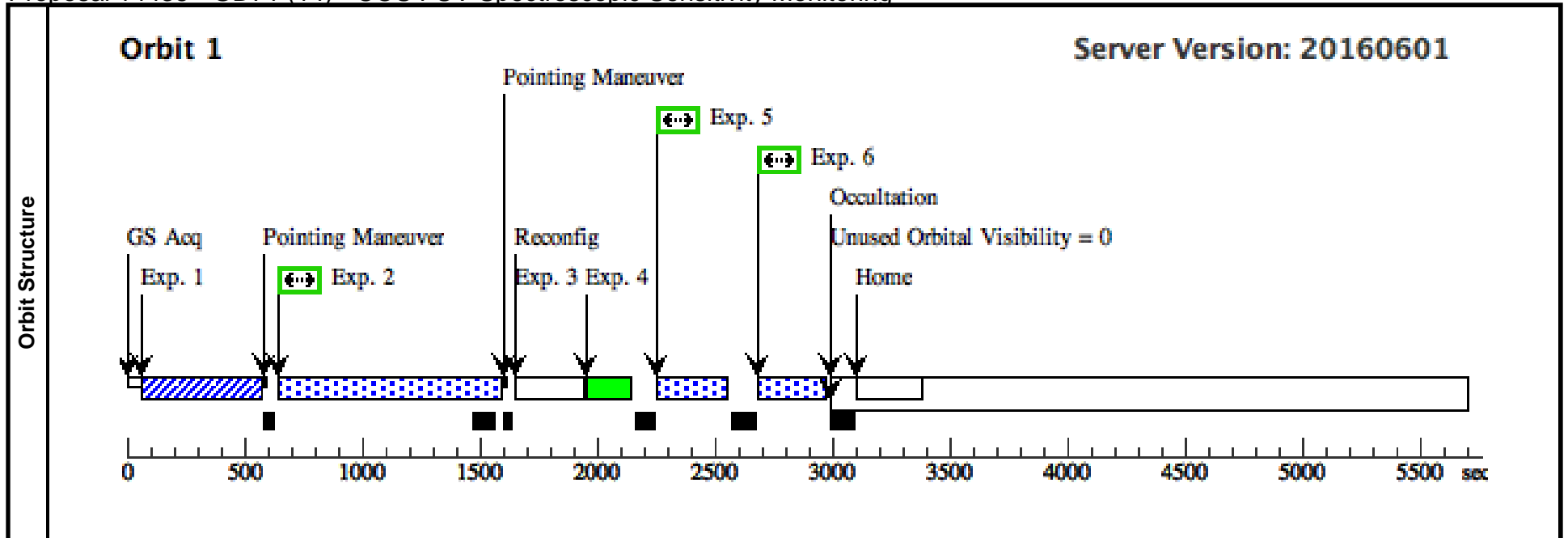
Proposal 14435 - GD71 (14) - COS FUV Spectroscopic Sensitivity Monitoring

Wed Nov 09 16:01:11 GMT 2016

Visit	<p>Proposal 14435, GD71 (14), completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: S/C, COS/FUV, COS/NUV</p> <p>Special Requirements: SCHED 100%; BETWEEN 22-FEB-2016:00:00:00 AND 28-FEB-2016:00:00:00</p> <p><i>Comments: exposure 4: GO wavecal to calculate the OSM shifts of the G130M/1096/FUVB observation</i></p> <p><i>George Chapman added Exposure 3</i></p> <p><i>Optimized the exposure time for the G130M/1096 setting to increase its SNR (exp time = 744 s) while remaining within the allocated time.</i></p>					
	<p>(GD71 (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
	(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> <p><i>Extended=NO</i></p>						

Proposal 14435 - GD71 (14) - 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 (404797)	(6) GD71	COS/NUV, ACQ/IMAGE, BOA	MIRRORB			90 Secs (90 Secs) [==>]	[1]	
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	2	G130M/109 6/FUVB (COS.sp.418 698)	(6) GD71	COS/FUV, TIME-TAG, PSA	G130M 1096 A	BUFFER-TIME=64 4; FP-POS=3; SEGMENT=B			744 Secs (744 Secs) [==>]	[1]
	<i>Comments: Set buffer-time = exptime - 100 sec = 644 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 < 80 which is the minimum exptime</i>										



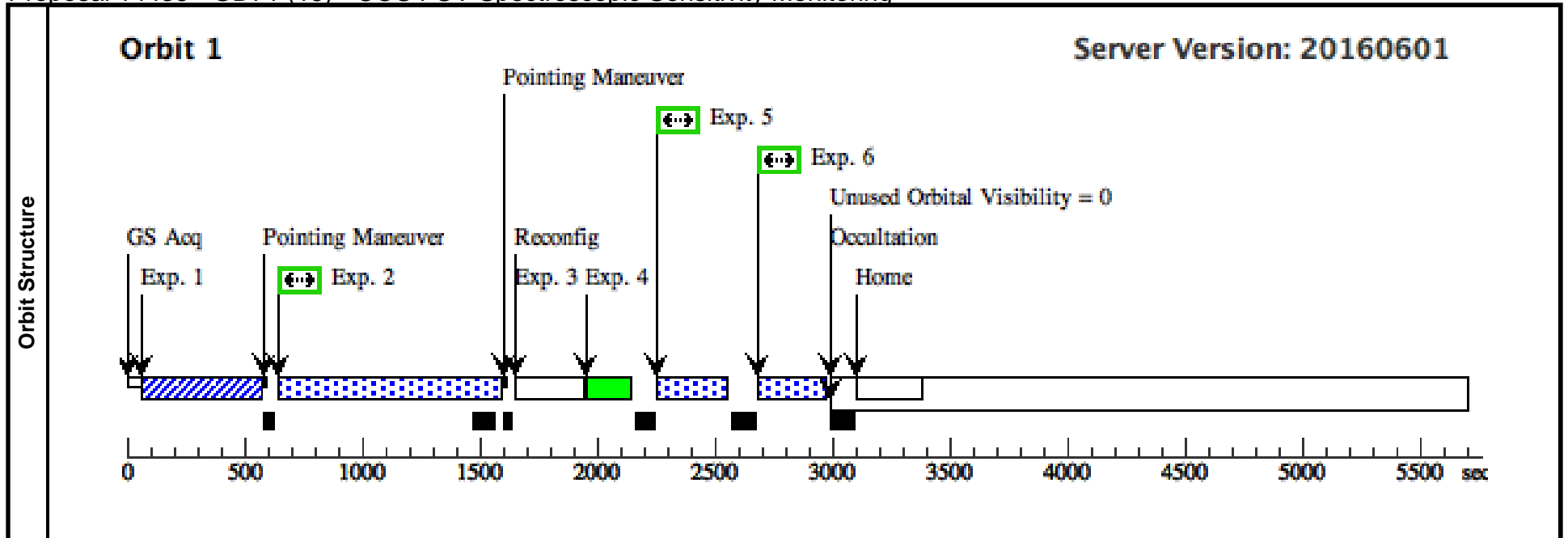
Proposal 14435 - GD71 (15) - COS FUV Spectroscopic Sensitivity Monitoring

Wed Nov 09 16:01:11 GMT 2016

Visit	<p>Proposal 14435, GD71 (15), completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: S/C, COS/FUV, COS/NUV</p> <p>Special Requirements: SCHED 100%; BETWEEN 18-APR-2016:00:00:00 AND 24-APR-2016:00:00:00</p> <p><i>Comments: exposure 4: GO wavecal to calculate the OSM shifts of the G130M/1096/FUVB observation</i></p> <p><i>George Chapman added Exposure 3</i></p> <p><i>Optimized the exposure time for the G130M/1096 setting to increase its SNR (exp time = 744 s) while remaining within the allocated time.</i></p>																	
	<p>(GD71 (15)) 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	<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>	#	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					
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<p><i>Comments: Use sma RA, DEC amd PM as in proposal 12392 by Bohlin et al.</i></p> <p><i>Extended=NO</i></p>																		

Proposal 14435 - GD71 (15) - 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 (404797)	(6) GD71	COS/NUV, ACQ/IMAGE, BOA	MIRRORB			90 Secs (90 Secs) [==>]	[1]	
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	<i>Comments: Set buffer-time = exptime - 100 sec = 644 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]
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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]	
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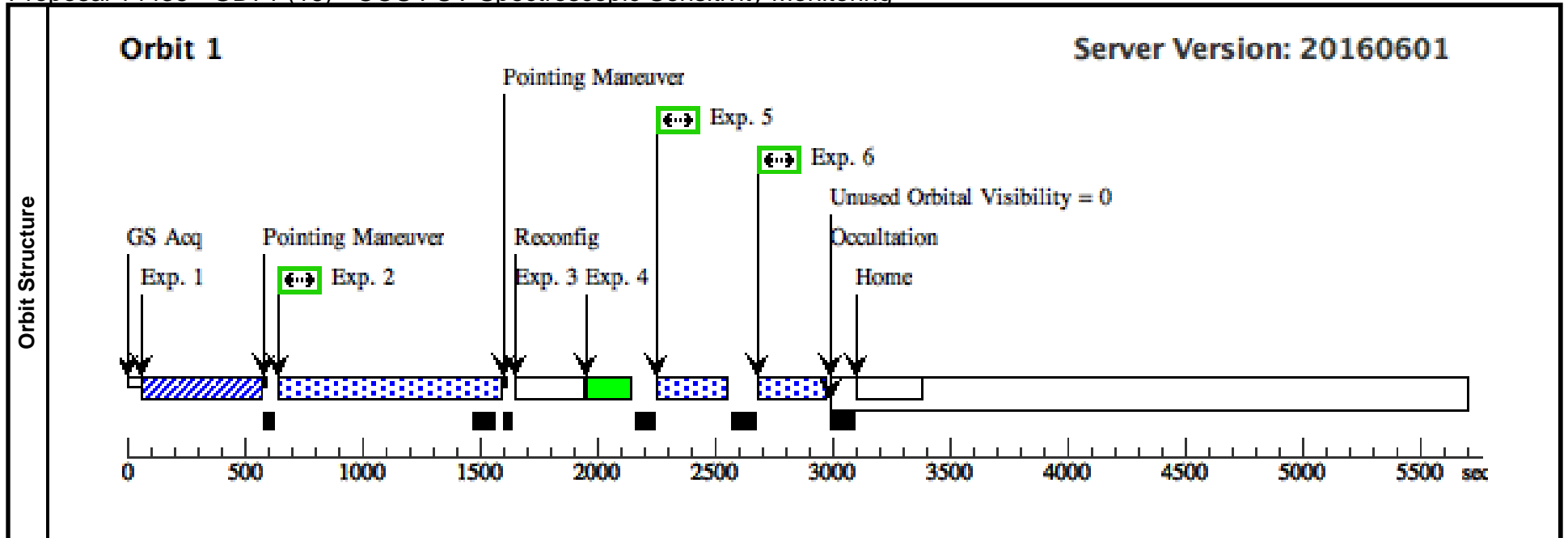
Proposal 14435 - GD71 (16) - COS FUV Spectroscopic Sensitivity Monitoring

Wed Nov 09 16:01:11 GMT 2016

Visit	<p>Proposal 14435, GD71 (16), completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: S/C, COS/FUV, COS/NUV</p> <p>Special Requirements: SCHED 100%; BETWEEN 22-AUG-2016:00:00:00 AND 28-AUG-2016:00:00:00</p> <p><i>Comments: exposure 4: GO wavecal to calculate the OSM shifts of the G130M/1096/FUVB observation</i></p> <p><i>George Chapman added Exposure 3</i></p> <p><i>Optimized the exposure time for the G130M/1096 setting to increase its SNR (exp time = 744 s) while remaining within the allocated time.</i></p>					
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<p><i>Comments: Use sma RA, DEC amd PM as in proposal 12392 by Bohlin et al.</i></p> <p><i>Extended=NO</i></p>						

Proposal 14435 - GD71 (16) - 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 (404797)	(6) GD71	COS/NUV, ACQ/IMAGE, BOA	MIRRORB			90 Secs (90 Secs) [==>]	[1]	
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	3		DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVL OW		1 Secs (1 Secs) [==>]	[1]
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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]	
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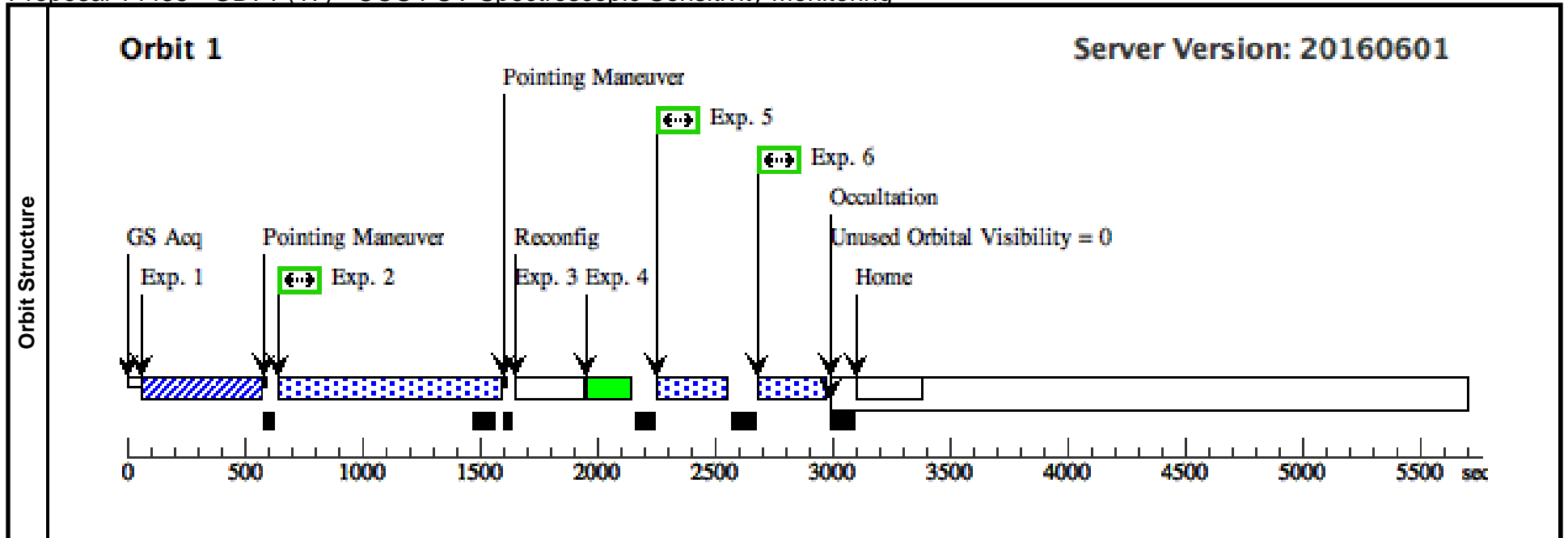
Proposal 14435 - GD71 (17) - COS FUV Spectroscopic Sensitivity Monitoring

Wed Nov 09 16:01:11 GMT 2016

Visit	Proposal 14435, GD71 (17), implementation Diagnostic Status: Warning Scientific Instruments: S/C, COS/FUV, COS/NUV Special Requirements: SCHED 100%; BETWEEN 17-OCT-2016:00:00:00 AND 23-OCT-2016:00:00:00 <i>Comments: exposure 4: GO wavecal to calculate the OSM shifts of the G130M/1096/FUVB observation</i> <i>George Chapman added Exposure 3</i> <i>Optimized the exposure time for the G130M/1096 setting to increase its SNR (exp time = 744 s) while remaining within the allocated time.</i>																	
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<i>Comments: Use sma RA, DEC amd PM as in proposal 12392 by Bohlin et al.</i> Extended=NO																		

Proposal 14435 - GD71 (17) - 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 (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=64 4; FP-POS=3; SEGMENT=B			744 Secs (744 Secs) [==>]	[1]
	<i>Comments: Set buffer-time = exptime - 100 sec = 644 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 < 80 which is the minimum exptime</i>										



Proposal 14435 - WD0308 - complete (02) - COS FUV Spectroscopic Sensitivity Monitoring

Wed Nov 09 16:01:11 GMT 2016

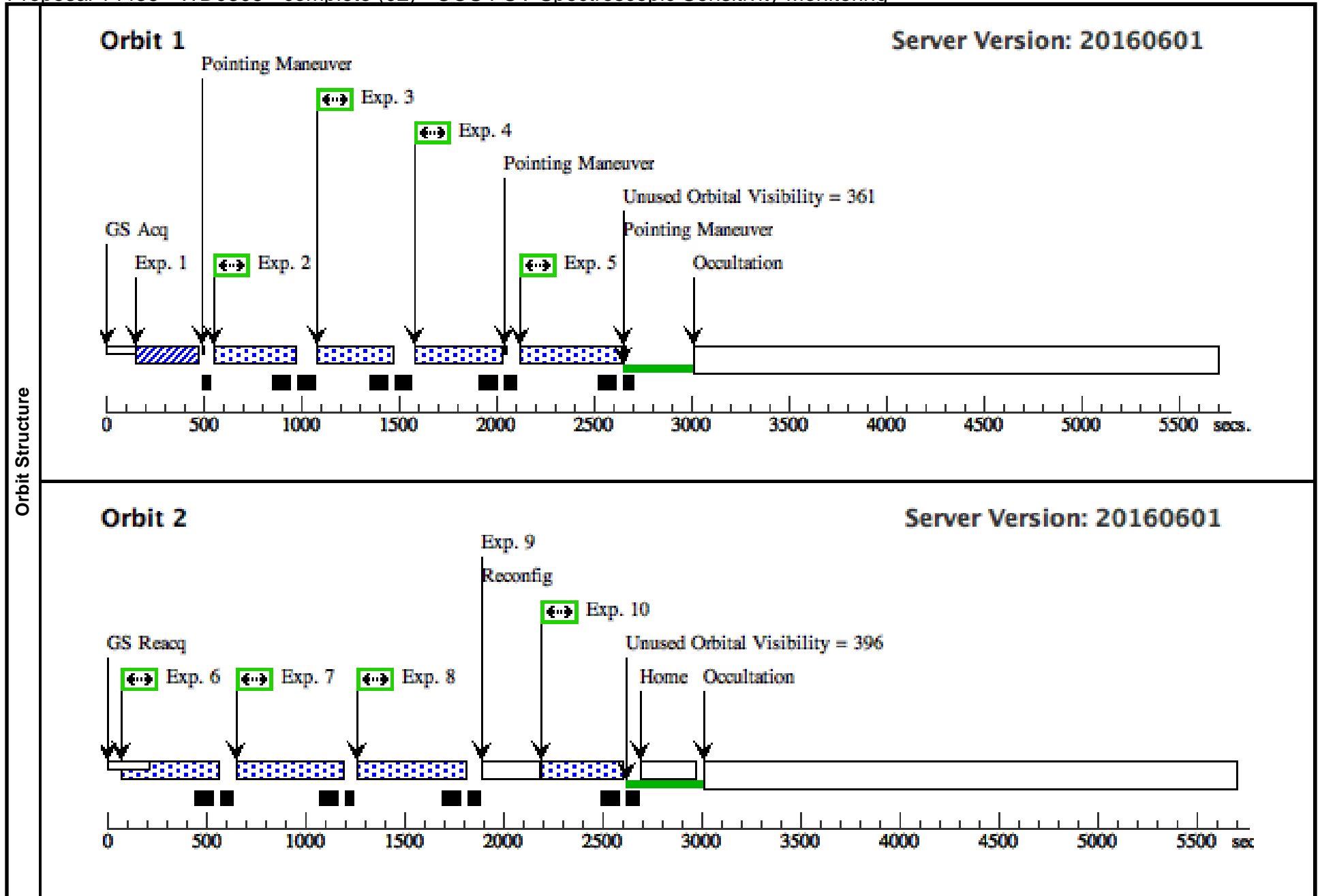
Visit	Proposal 14435, WD0308 - complete (02), completed Diagnostic Status: Warning Scientific Instruments: S/C, COS/FUV, COS/NUV Special Requirements: SCHED 100%; BETWEEN 28-DEC-2015:00:00:00 AND 03-JAN-2016:00:00:00 Comments: <i>George Chapman added Exposure 9</i>					
	(WD0308 - complete (02)) Warning (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.					
Diagnosics						
Fixed Targets	#	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
Comments: <i>Coordinates from Charle's proposal</i> Extended=NO						

Proposal 14435 - 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		GS ACQ SCENARI O BASE1B3	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>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 Continue use of 1 FP-POS</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>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</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>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 Continue use of 1 FP-POS</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>Comments: ETC buffer time is larger than exptime Target has been observed before no need to 2/3 factor Set buffer time = exptime - 100 = 224 Continue use of 1 FP-POS</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>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/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>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>									
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>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</p>									

Proposal 14435 - 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 /FUVA (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 14435 - WD0308 - complete (04) - COS FUV Spectroscopic Sensitivity Monitoring

Wed Nov 09 16:01:11 GMT 2016

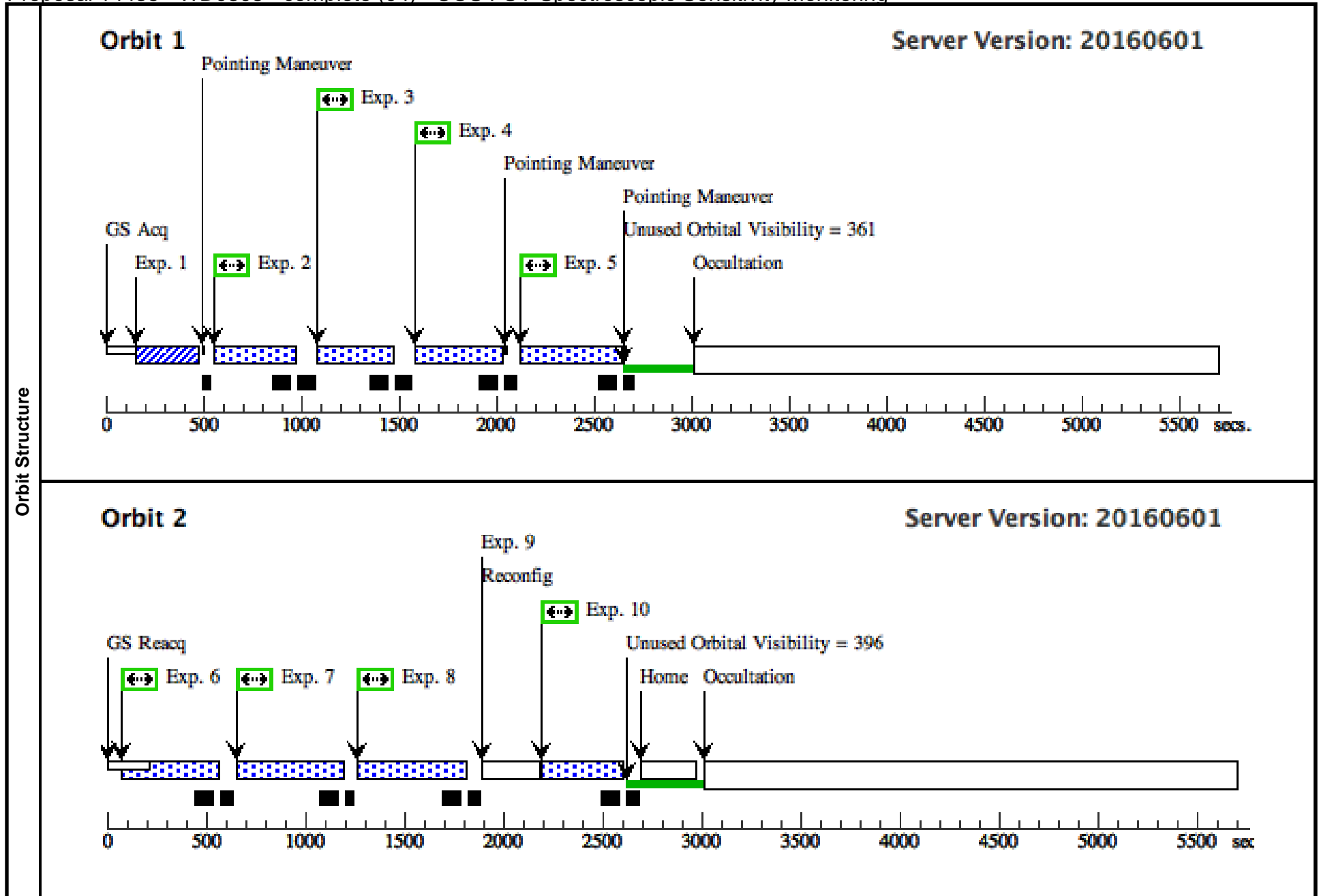
Visit	Proposal 14435, WD0308 - complete (04), completed Diagnostic Status: Warning Scientific Instruments: S/C, COS/FUV, COS/NUV Special Requirements: SCHED 100%; BETWEEN 22-FEB-2016:00:00:00 AND 28-FEB-2016:00:00:00 <i>Comments: George Chapman added Exposure 9</i>																	
	Diagnosics (WD0308 - 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.																	
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>(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>						#	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													
<i>Comments: Coordinates from Charle's proposal Extended=NO</i>																		

Proposal 14435 - 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		GS ACQ SCENARI O BASE1B3	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>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 Continue use of 1 FP-POS</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>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</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>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 Continue use of 1 FP-POS</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>Comments: ETC buffer time is larger than exptime Target has been observed before no need to 2/3 factor Set buffer time = exptime - 100 = 224 Continue use of 1 FP-POS</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>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/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>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>									
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>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</p>									

Proposal 14435 - 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 /FUVA (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 14435 - WD0308 - complete (06) - COS FUV Spectroscopic Sensitivity Monitoring

Wed Nov 09 16:01:11 GMT 2016

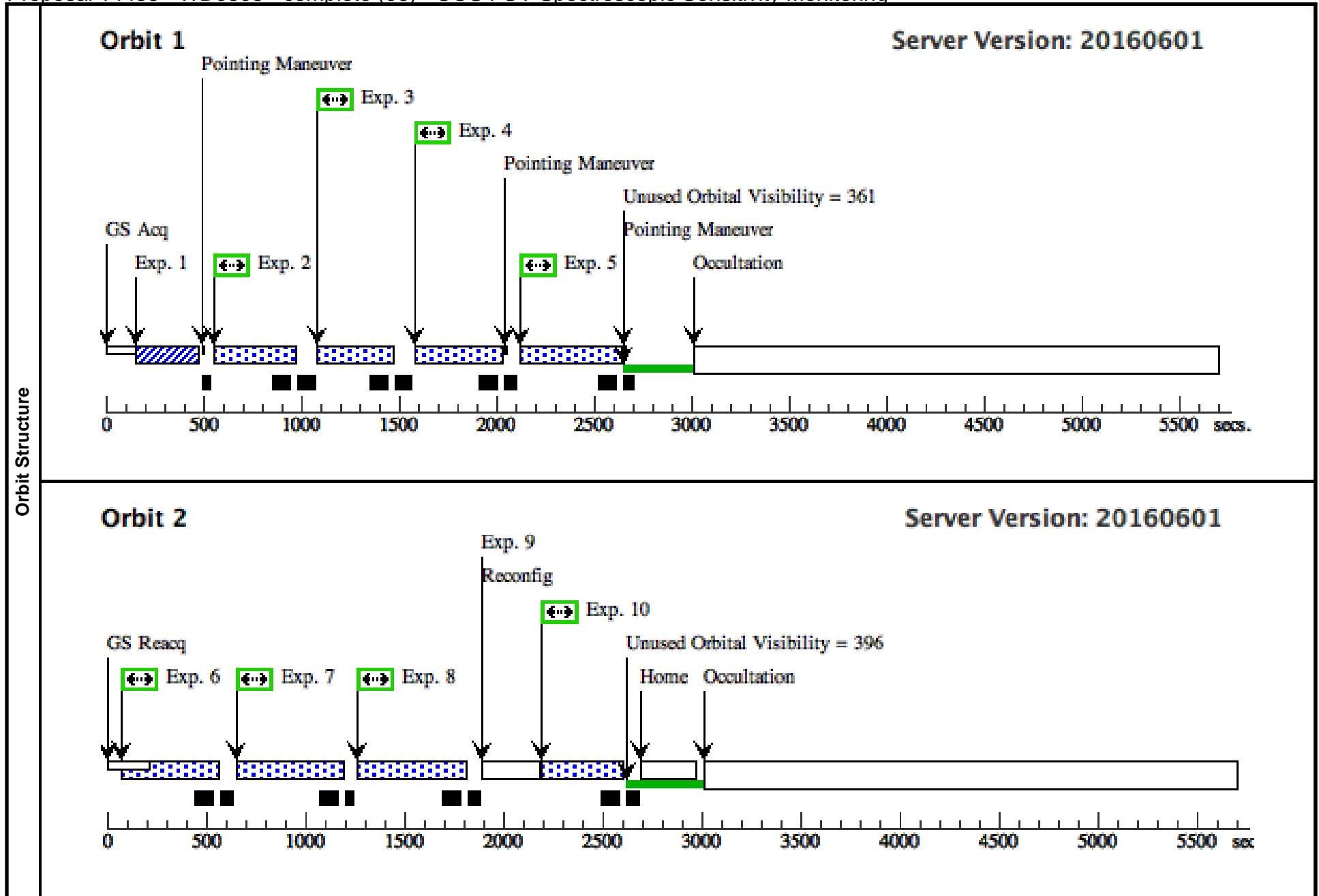
Visit	<p>Proposal 14435, WD0308 - complete (06), completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: S/C, COS/FUV, COS/NUV</p> <p>Special Requirements: SCHED 100%; BETWEEN 18-APR-2016:00:00:00 AND 24-APR-2016:00:00:00</p> <p><i>Comments: George Chapman added Exposure 9</i></p>					
	<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>					
Diagnosics						
Fixed Targets	#	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
<p><i>Comments: Coordinates from Charle's proposal</i></p> <p><i>Extended=NO</i></p>						

Proposal 14435 - 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>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</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>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/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>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>								
	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>Comments: ETC buffer time is larger than exptime Target has been observed before no need to 2/3 factor Set buffer time = exptime - 100 = 224 Continue use of 1 FP-POS</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>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/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>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>									
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>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</p>									

Proposal 14435 - 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 /FUVA (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 14435 - WD0308 - complete (08) - COS FUV Spectroscopic Sensitivity Monitoring

Wed Nov 09 16:01:11 GMT 2016

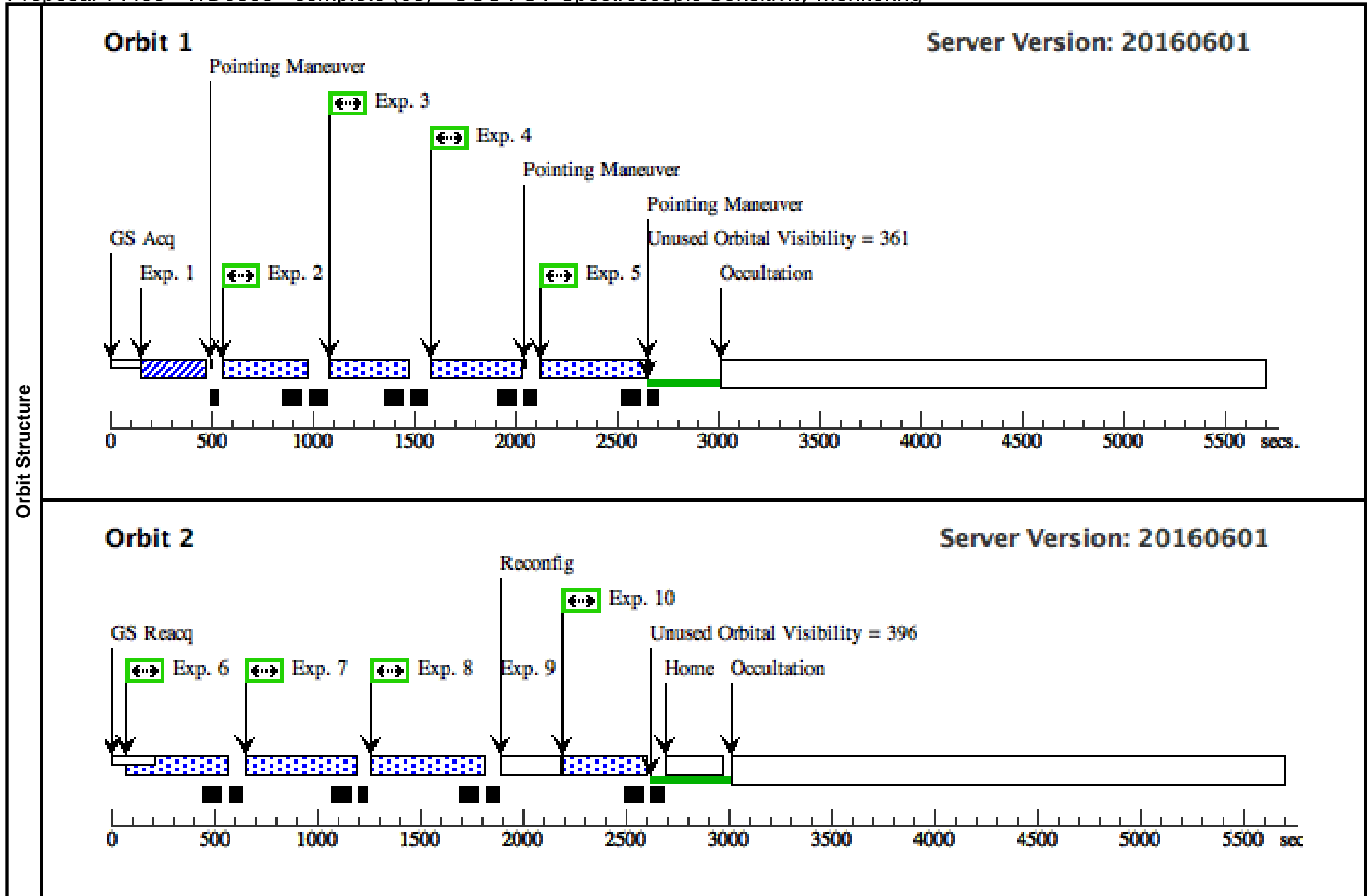
Visit	<p>Proposal 14435, WD0308 - complete (08), completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: S/C, COS/FUV, COS/NUV</p> <p>Special Requirements: SCHED 100%; BETWEEN 20-JUN-2016:00:00:00 AND 26-JUN-2016:00:00:00</p> <p><i>Comments: George Chapman added Exposure 9</i></p>					
	<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>					
Diagnosics						
Fixed Targets	#	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
<p><i>Comments: Coordinates from Charle's proposal</i></p> <p><i>Extended=NO</i></p>						

Proposal 14435 - 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>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</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>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/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>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>								
	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>Comments: ETC buffer time is larger than exptime Target has been observed before no need to 2/3 factor Set buffer time = exptime - 100 = 224 Continue use of 1 FP-POS</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>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/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>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>									
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>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</p>									

Proposal 14435 - 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 /FUVA (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 14435 - WD0308 - complete (10) - COS FUV Spectroscopic Sensitivity Monitoring

Wed Nov 09 16:01:11 GMT 2016

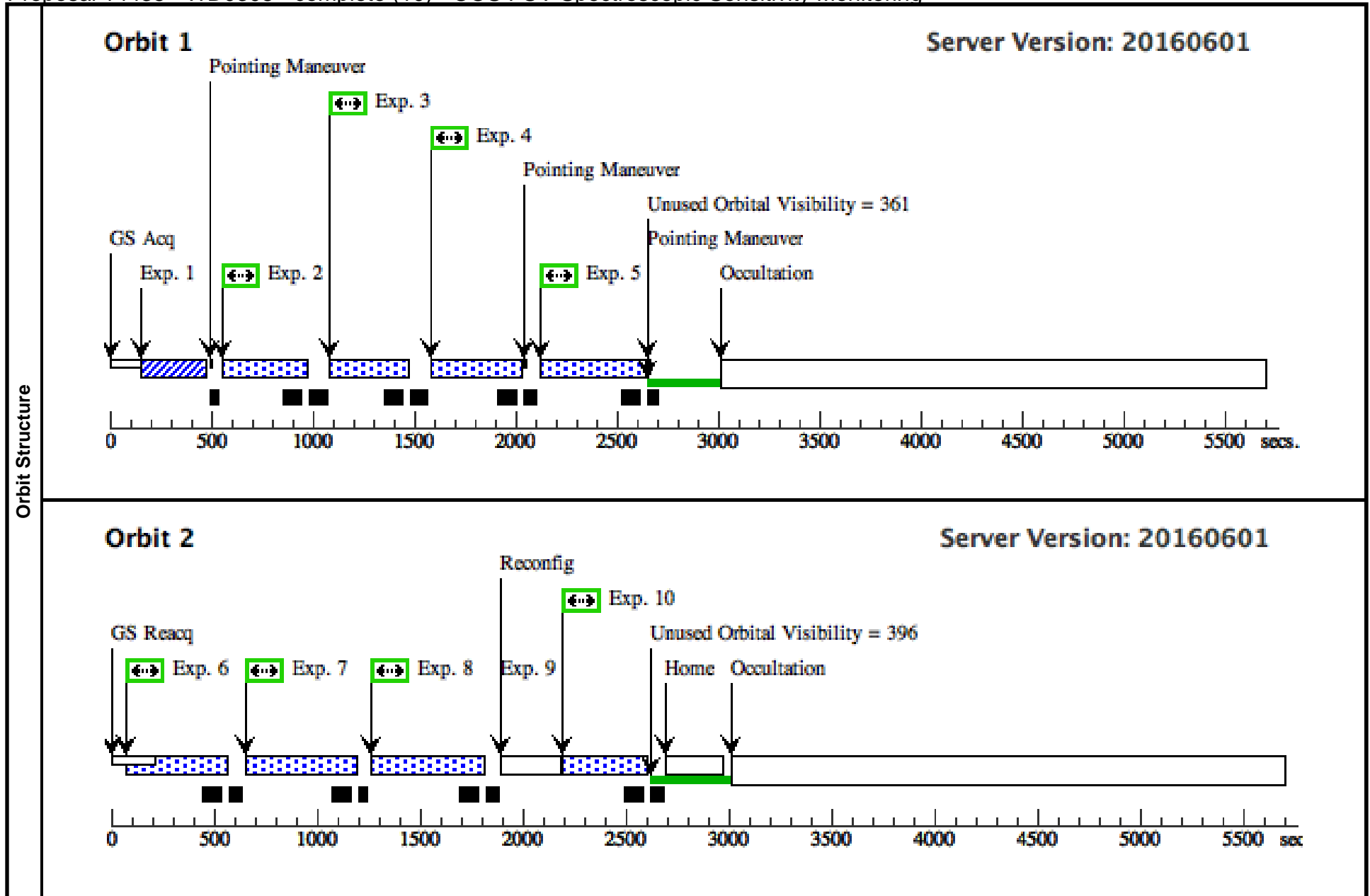
Visit	<p>Proposal 14435, WD0308 - complete (10), completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: S/C, COS/FUV, COS/NUV</p> <p>Special Requirements: SCHED 100%; BETWEEN 22-AUG-2016:00:00:00 AND 28-AUG-2016:00:00:00</p> <p><i>Comments: George Chapman added Exposure 9</i></p>					
	<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>					
Diagnosics						
Fixed Targets	#	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
<p><i>Comments: Coordinates from Charle's proposal</i></p> <p><i>Extended=NO</i></p>						

Proposal 14435 - 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]
	<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>								
	<i>Continue use of 1 FP-POS</i>								
	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]
	<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>								
	<i>Continue use of 1 FP-POS</i>								
	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]
	<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>								
	<i>Continue use of 1 FP-POS</i>								
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]	
<i>Comments: ETC buffer time is larger than exptime Target has been observed before no need to 2/3 factor Set buffer time = exptime - 100 = 224 Continue use of 1 FP-POS</i>									
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]	
<i>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</i>									
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]	
<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>									
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]	
<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 14435 - 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	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 14435 - WD0308 - complete (12) - COS FUV Spectroscopic Sensitivity Monitoring

Wed Nov 09 16:01:11 GMT 2016

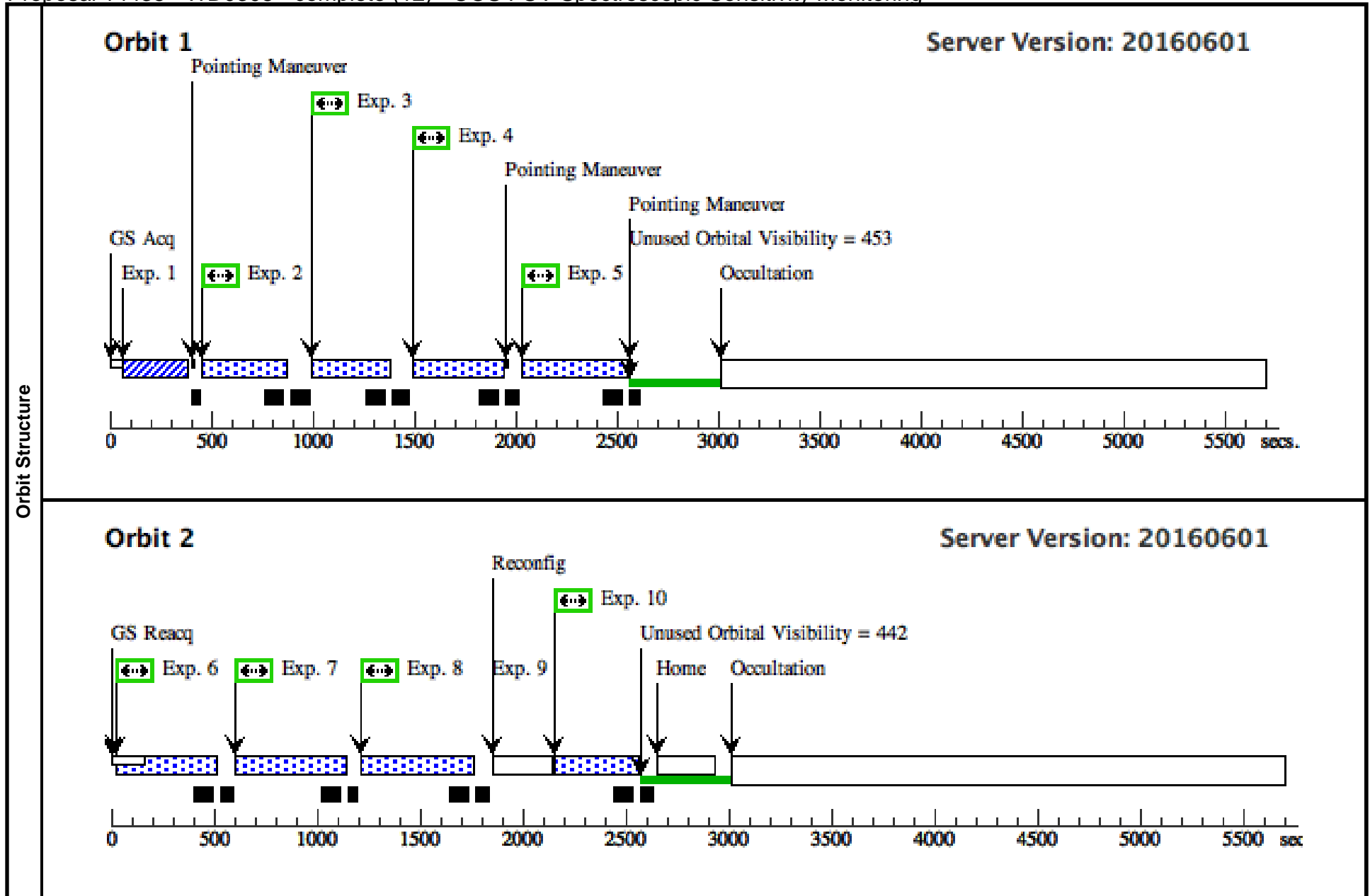
Visit	Proposal 14435, WD0308 - complete (12), implementation Diagnostic Status: Warning Scientific Instruments: S/C, COS/FUV, COS/NUV Special Requirements: SCHED 100%; BETWEEN 17-OCT-2016:00:00:00 AND 23-OCT-2016:00:00:00 <i>Comments: George Chapman added Exposure 9</i>					
	(WD0308 - complete (12)) 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.					
Diagnosics						
Fixed Targets	#	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 Extended=NO</i>						

Proposal 14435 - 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]
	<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>								
	<i>Continue use of 1 FP-POS</i>								
	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]
	<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>								
	<i>Continue use of 1 FP-POS</i>								
	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]
	<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>								
	<i>Continue use of 1 FP-POS</i>								
	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]
	<i>Comments: ETC buffer time is larger than exptime Target has been observed before no need to 2/3 factor Set buffer time = exptime - 100 = 224 Continue use of 1 FP-POS</i>								
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]	
<i>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</i>									
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]	
<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>									
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]	
<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 14435 - WD0308 - complete (12) - COS FUV Spectroscopic Sensitivity Monitoring

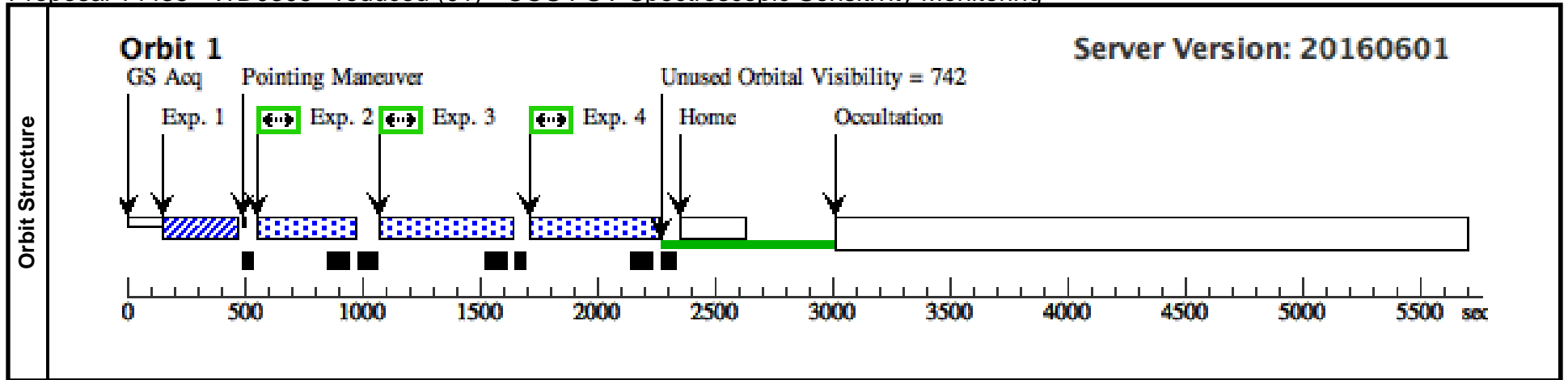
9	DARK	S/C, DATA, NONE	QASISTATES COS FUV HVLOW HVL OW	1 Secs (1 Secs)	[2]	
<i>Comments: Work-around to efficiently schedule the reconfiguration to SEG-A. Eliminates SPSS induced gaps.</i>						
10	G140L/1105 (1) WD0308-565 /FUVA (OS.sp.3958 53)	COS/FUV, TIME-TAG, PSA	G140L 1105 A	BUFFER-TIME=18 0; FP-POS=3; 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 14435 - WD0308 - reduced (01) - COS FUV Spectroscopic Sensitivity Monitoring

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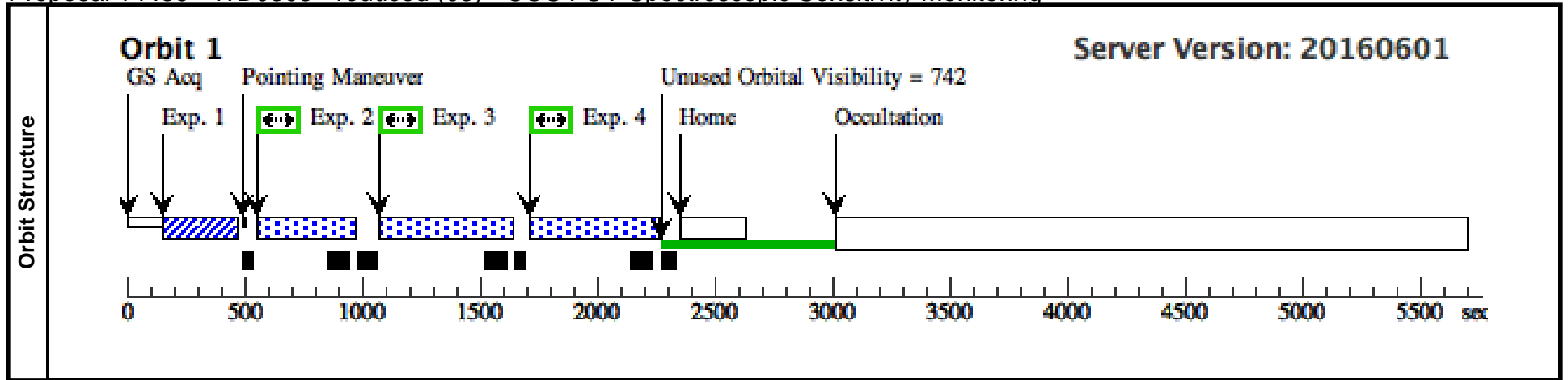
Visit	Proposal 14435, WD0308 - reduced (01), completed Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: SCHED 100%; BETWEEN 23-NOV-2015:00:00:00 AND 29-NOV-2015:00:00:00										
	(WD0308 - reduced (01)) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.										
Fixed Targets	#	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					
Comments: Coordinates from Charle's proposal Extended=NO											
Exposures	#	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]	
	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										
	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]	
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											
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]		
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											



Proposal 14435 - WD0308 - reduced (03) - COS FUV Spectroscopic Sensitivity Monitoring

Wed Nov 09 16:01:11 GMT 2016

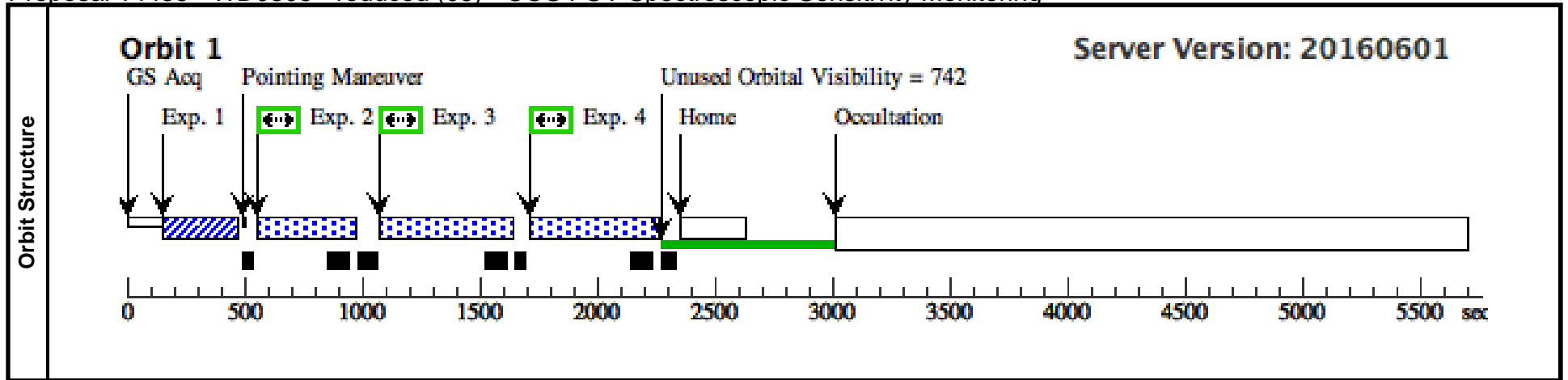
Visit	Proposal 14435, WD0308 - reduced (03), completed Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: SCHED 100%; BETWEEN 18-JAN-2016:00:00:00 AND 24-JAN-2016:00:00:00										
	(WD0308 - reduced (03)) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.										
Fixed Targets	#	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 Extended=NO</i>											
Exposures	#	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 14435 - WD0308 - reduced (05) - COS FUV Spectroscopic Sensitivity Monitoring

Wed Nov 09 16:01:12 GMT 2016

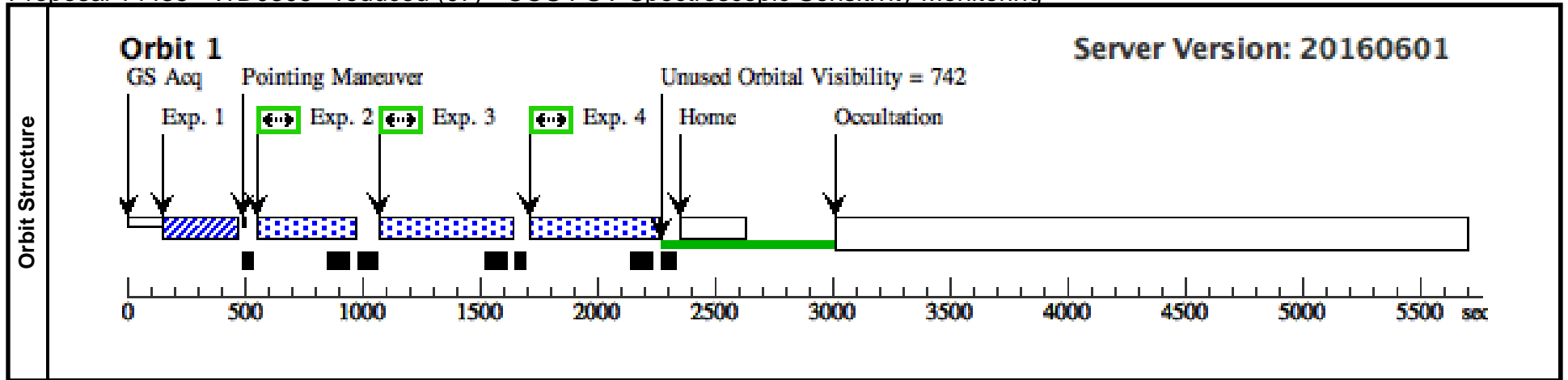
Visit	Proposal 14435, WD0308 - reduced (05), completed Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: SCHED 100%; BETWEEN 21-MAR-2016:00:00:00 AND 27-MAR-2016:00:00:00										
	(WD0308 - reduced (05)) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.										
Fixed Targets	#	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					
Comments: Coordinates from Charle's proposal Extended=NO											
Exposures	#	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]	
	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										
	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]	
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											
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]		
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											



Proposal 14435 - WD0308 - reduced (07) - COS FUV Spectroscopic Sensitivity Monitoring

Wed Nov 09 16:01:12 GMT 2016

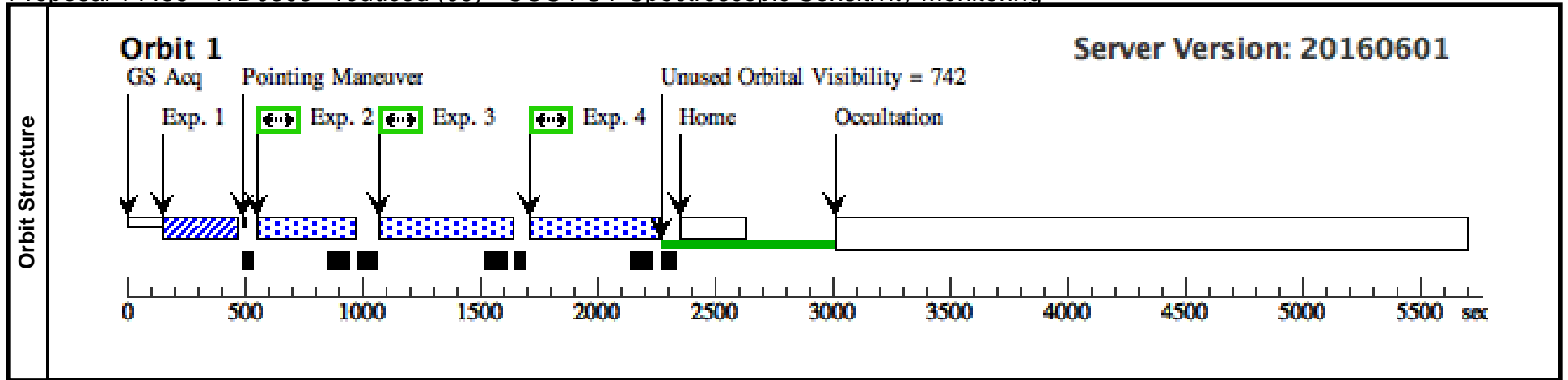
Visit	Proposal 14435, WD0308 - reduced (07), completed Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: SCHED 100%; BETWEEN 23-MAY-2016:00:00:00 AND 29-MAY-2016:00:00:00										
	(WD0308 - reduced (07)) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.										
Fixed Targets	#	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					
Comments: Coordinates from Charle's proposal Extended=NO											
Exposures	#	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]	
	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										
	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]
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											
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]	
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											



Proposal 14435 - WD0308 - reduced (09) - COS FUV Spectroscopic Sensitivity Monitoring

Wed Nov 09 16:01:12 GMT 2016

Visit	Proposal 14435, WD0308 - reduced (09), completed Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: SCHED 100%; BETWEEN 25-JUL-2016:00:00:00 AND 31-JUL-2016:00:00:00										
	(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.										
Fixed Targets	#	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					
Comments: Coordinates from Charle's proposal Extended=NO											
Exposures	#	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]	
	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										
	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]	
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											
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]		
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											



Proposal 14435 - WD0308 - reduced (11) - COS FUV Spectroscopic Sensitivity Monitoring

Wed Nov 09 16:01:12 GMT 2016

Visit	Proposal 14435, WD0308 - reduced (11), scheduled Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: SCHED 100%; BETWEEN 19-SEP-2016:00:00:00 AND 25-SEP-2016:00:00:00										
	(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.										
Fixed Targets	#	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 Extended=NO</i>											
Exposures	#	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>											

