13967 - COS FUV Spectroscopic Sensitivity Monitoring

Cycle: 22, Proposal Category: CAL/COS

(Calibration)

(Availability Mode: RESTRICTED)

INVESTIGATORS

Name	*Institution*	*E-Mail*
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VISITS

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
21	(6) GD71 WAVE	COS/FUV	1	30-Jan-2015 21:12:09.0	yes
23	(6) GD71 DARK WAVE	COS/FUV COS/NUV S/C	1	30-Jan-2015 21:12:11.0	yes
24	(6) GD71 DARK WAVE	COS/FUV COS/NUV S/C	1	30-Jan-2015 21:12:13.0	yes
26	(6) GD71 DARK WAVE	COS/FUV COS/NUV S/C	1	30-Jan-2015 21:12:14.0	yes

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
30	(6) GD71 DARK WAVE	COS/FUV COS/NUV S/C	1	30-Jan-2015 21:12:16.0	yes
32	(6) GD71 DARK WAVE	COS/FUV COS/NUV S/C	1	30-Jan-2015 21:12:17.0	yes
01	(1) WD0308-565 DARK	COS/FUV COS/NUV S/C	2	30-Jan-2015 21:12:20.0	yes
03	(1) WD0308-565 DARK	COS/FUV COS/NUV S/C	2	30-Jan-2015 21:12:22.0	yes
04	(1) WD0308-565 DARK	COS/FUV COS/NUV S/C	2	30-Jan-2015 21:12:25.0	yes
06	(1) WD0308-565 DARK	COS/FUV COS/NUV S/C	2	30-Jan-2015 21:12:29.0	yes
08	(1) WD0308-565 DARK	COS/FUV COS/NUV S/C	2	30-Jan-2015 21:12:31.0	yes
10	(1) WD0308-565 DARK	COS/FUV COS/NUV S/C	2	30-Jan-2015 21:12:33.0	yes
12	(1) WD0308-565 DARK	COS/FUV COS/NUV S/C	2	30-Jan-2015 21:12:36.0	yes
02	(1) WD0308-565	COS/FUV COS/NUV	1	30-Jan-2015 21:12:37.0	yes

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
05	(1) WD0308-565	COS/FUV COS/NUV	1	30-Jan-2015 21:12:38.0	yes
07	(1) WD0308-565	COS/FUV COS/NUV	1	30-Jan-2015 21:12:39.0	yes
09	(1) WD0308-565	COS/FUV COS/NUV	1	30-Jan-2015 21:12:40.0	yes
11	(1) WD0308-565	COS/FUV COS/NUV	1	30-Jan-2015 21:12:41.0	yes

25 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.

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Specific for Cy 22:

Visit 21 for GD71 has a dispersed ACQ in case MIRROB issue are not solved by Novemeber

Visit 3 has to be done at LP2 (soon before the LP change); Visit 4 has to be done at LP3 (soon after the LP change)

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.

Visit

Proposal 13967, GD71-DISP.ACQ (21), completed Sat Jan 31 02:12:43 GMT 2015

Diagnostic Status: Warning

Scientific Instruments: COS/FUV

Special Requirements: SCHED 100%; BETWEEN 24-NOV-2014:00:00:00 AND 30-NOV-2014:00:00:00

Comments: Modified to include a GO wavecal (exposure 6) to calculate the OSM shifts of the G130M/1096/FUVB observation

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

Diagnostics

(GD71-DISP.ACQ (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.

(ACQ/IM (21.001)) Warning (Form): SEGMENT=A is atypical for FUV ACQ/PEAKXD. See full description for details.

Fixed Targets

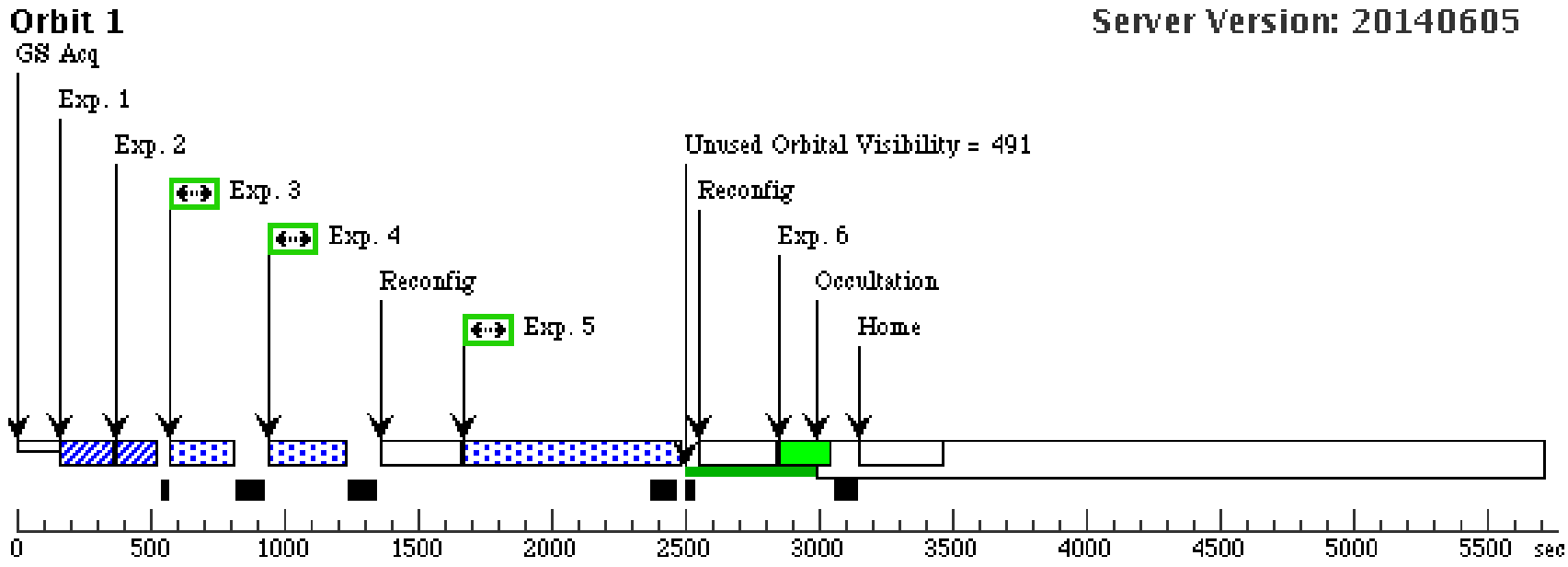
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(6)	GD71	RA: 05 52 27.6100 (88.1150417d)	Proper Motion RA: 85 mas/yr	V=13.06+/-0.01	Reference Frame: ICRS
		Dec: +15 53 13.80 (15.88717d)	Proper Motion Dec: -174 mas/yr		
		Equinox: J2000	Epoch of Position: 2000		

Comments: Use sma RA, DEC amd PM as in proposal 12392 by Bohlin et al.

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ/IM (COS.sa.626924)	(6) GD71	COS/FUV, ACQ/PEAKXD, PSA	G160M 1623 A	SEGMENT=A			0.3 Secs (0.3 Secs) *[==>]*	***[1]***
	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 *JUL28 2014: modified ACQ strategy for visits 29 and 31* *Time Required for Requested SNR in Segment A only: 0.2617*								
2	ACQ/IM (COS.sa.626923)	(6) GD71	COS/FUV, ACQ/PEAKD, PSA	G160M 1623 A	NUM-POS=5; STEP-SIZE=0.9; CENTER=FLUX-WT-FLR; SEGMENT=A			0.2 Secs (0.2 Secs) *[==>]*	***[1]***
	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								
3	G160M/1577/FUVA (COS.sp.413980)	(6) GD71	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=102; FP-POS=3; SEGMENT=A			102 Secs (102 Secs) *[==>]*	***[1]***
	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								
4	G160M/1623/FUVA (COS.sp.413984)	(6) GD71	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=154; FP-POS=3; SEGMENT=A			154 Secs (154 Secs) *[==>]*	***[1]***
	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								
5	G130M/1096/FUVB (COS.sp.418698)	(6) GD71	COS/FUV, TIME-TAG, PSA	G130M 1096 A	BUFFER-TIME=500; FP-POS=3; SEGMENT=B			600 Secs (600 Secs) *[==>]*	***[1]***
	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)								
6	G130M/1096/FUVA WAVECAL	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1096 A	FP-POS=3; SEGMENT=A; FLASH=NO			140 Secs (140 Secs) *[==>]*	***[1]***

Orbit Structure



Proposal 13967 - GD71 (23) - COS FUV Spectroscopic Sensitivity Monitoring

Visit

Proposal 13967, GD71 (23), scheduled Sat Jan 31 02:12:43 GMT 2015

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, S/C, COS/FUV

Special Requirements: SCHED 100%; BETWEEN 02-FEB-2015:00:00:00 AND 09-FEB-2015:00:00:00

Comments: Modified to include a GO wavecal (exposure 4) to calculate the OSM shifts of the G130M/1096/FUVB observation
George Chapman added Exposure 3

HAS to be done at LP2 close before the LP move

Diagnostics

(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.

Fixed Targets

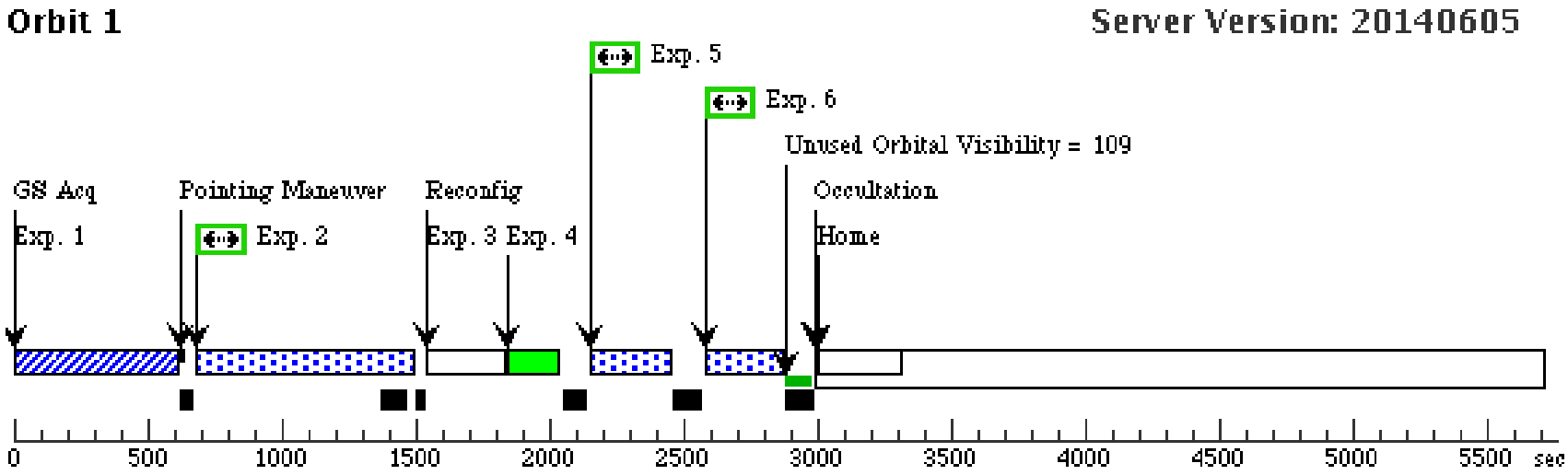
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(6)	GD71	RA: 05 52 27.6100 (88.1150417d)	Proper Motion RA: 85 mas/yr	V=13.06+/-0.01	Reference Frame: ICRS
		Dec: +15 53 13.80 (15.88717d)	Proper Motion Dec: -174 mas/yr		
		Equinox: J2000	Epoch of Position: 2000		

Comments: Use sma RA, DEC amd PM as in proposal 12392 by Bohlin et al.

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]***
	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*								
2	G130M/1096/FUVB (COS.sp.418698)	(6) GD71	COS/FUV, TIME-TAG, PSA	G130M 1096 A	BUFFER-TIME=500; FP-POS=3; SEGMENT=B			600 Secs (600 Secs) *[==>]*	***[1]***
	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)*								
3		DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVLOW		1 Secs (1 Secs) *[==>]*	***[1]***
	Comments: Work-around to efficiently schedule the SEG-B to SEG-A reconfiguration. Eliminates SPSS induced gaps.								
4	G130M/1096/FUVA WAVECAL	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1096 A	FP-POS=3; SEGMENT=A; FLASH=NO			140 Secs (140 Secs) *[==>]*	***[1]***
5	G160M/1577/FUVA (COS.sp.413980)	(6) GD71	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=102; FP-POS=3; SEGMENT=A			102 Secs (102 Secs) *[==>]*	***[1]***
	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*								
6	G160M/1623/FUVA (COS.sp.413984)	(6) GD71	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=154; FP-POS=3; SEGMENT=A			154 Secs (154 Secs) *[==>]*	***[1]***
	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*								

Orbit Structure



Visit

Proposal 13967, GD71 (24), implementation Sat Jan 31 02:12:43 GMT 2015

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, S/C, COS/FUV

Special Requirements: SCHED 100%; BETWEEN 09-FEB-2015:00:00:00 AND 16-FEB-2015:00:00:00

Comments: Modified to include a GO wavecal (exposure 4) to calculate the OSM shifts of the G130M/1096/FUVB observation
George Chapman added Exposure 3

HAS to be done at LP3 soon after the LP move

Diagnostics

(GD71 (24)) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.

Fixed Targets

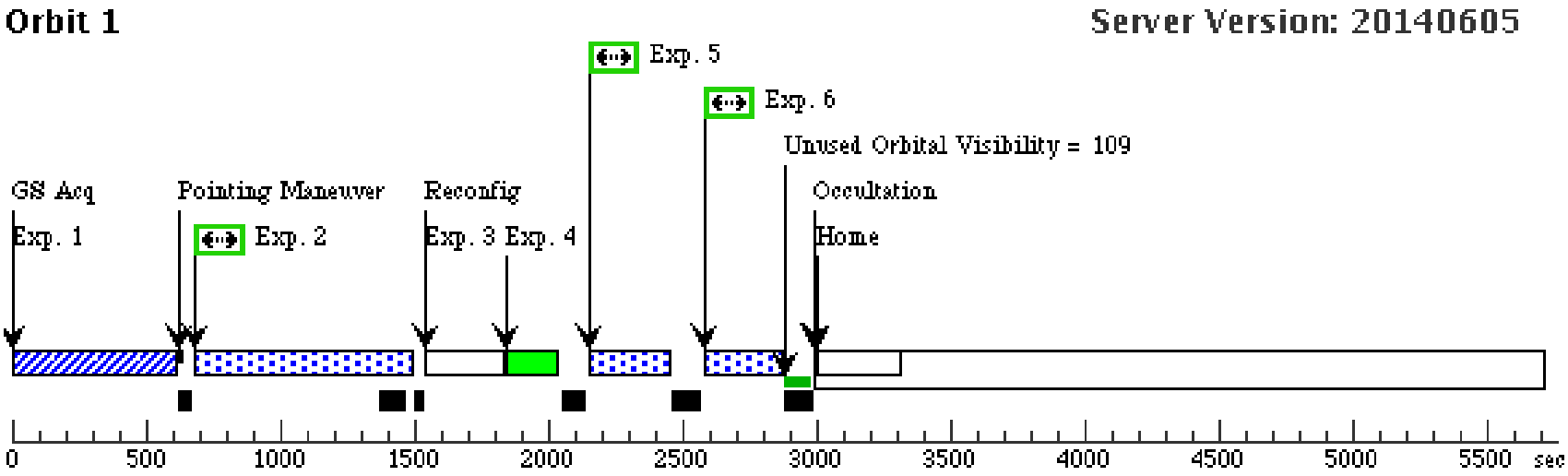
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(6)	GD71	RA: 05 52 27.6100 (88.1150417d)	Proper Motion RA: 85 mas/yr	V=13.06+/-0.01	Reference Frame: ICRS
		Dec: +15 53 13.80 (15.88717d)	Proper Motion Dec: -174 mas/yr		
		Equinox: J2000	Epoch of Position: 2000		

Comments: Use sma RA, DEC amd PM as in proposal 12392 by Bohlin et al.

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]***
	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*								
2	G130M/1096/FUVB (COS.sp.418698)	(6) GD71	COS/FUV, TIME-TAG, PSA	G130M 1096 A	BUFFER-TIME=500; FP-POS=3; SEGMENT=B			600 Secs (600 Secs) *[==>]*	***[1]***
	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)*								
3		DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVLOW		1 Secs (1 Secs) *[==>]*	***[1]***
	Comments: Work-around to efficiently schedule the SEG-B to SEG-A reconfiguration. Eliminates SPSS induced gaps.								
4	G130M/1096/FUVA WAVECAL	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1096 A	FP-POS=3; SEGMENT=A; FLASH=NO			140 Secs (140 Secs) *[==>]*	***[1]***
5	G160M/1577/FUVA (COS.sp.413980)	(6) GD71	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=102; FP-POS=3; SEGMENT=A			102 Secs (102 Secs) *[==>]*	***[1]***
	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*								
6	G160M/1623/FUVA (COS.sp.413984)	(6) GD71	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=154; FP-POS=3; SEGMENT=A			154 Secs (154 Secs) *[==>]*	***[1]***
	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*								

Orbit Structure



Visit

Proposal 13967, GD71 (26), scheduling Sat Jan 31 02:12:43 GMT 2015

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, S/C, COS/FUV

Special Requirements: SCHED 100%; BETWEEN 13-APR-2015:00:00:00 AND 20-APR-2015:00:00:00

Comments: Modified to include a GO wavecal (exposure 4) to calculate the OSM shifts of the G130M/1096/FUVB observation
George Chapman added Exposure 3

Diagnostics

(GD71 (26)) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.

Fixed Targets

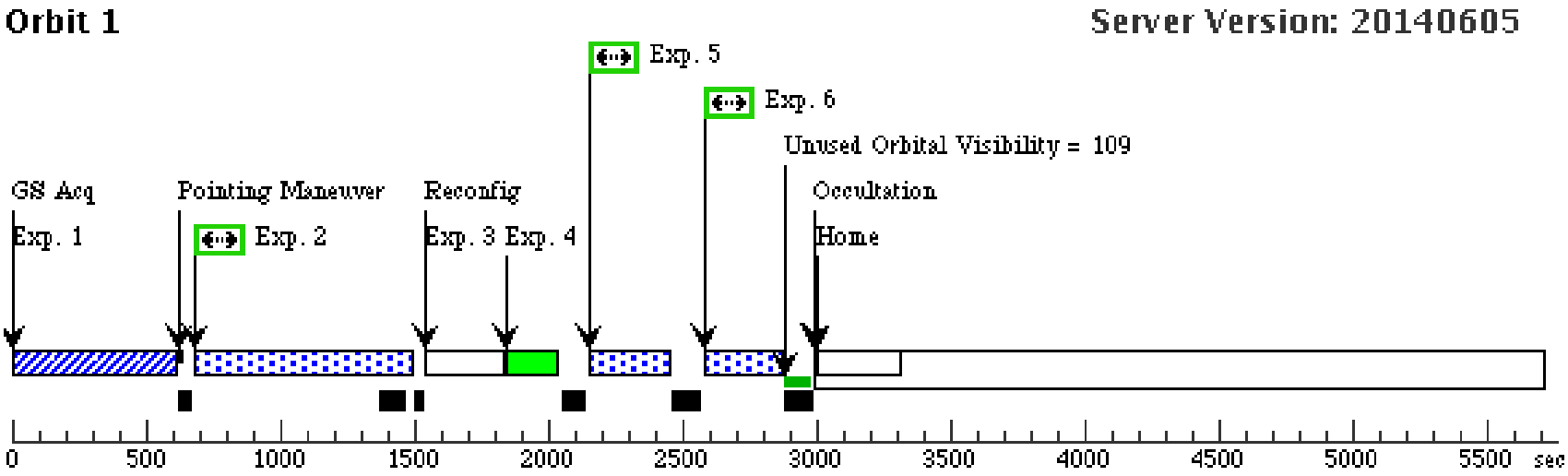
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(6)	GD71	RA: 05 52 27.6100 (88.1150417d)	Proper Motion RA: 85 mas/yr	V=13.06+/-0.01	Reference Frame: ICRS
		Dec: +15 53 13.80 (15.88717d)	Proper Motion Dec: -174 mas/yr		
		Equinox: J2000	Epoch of Position: 2000		

Comments: Use sma RA, DEC amd PM as in proposal 12392 by Bohlin et al.

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]***
	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*								
2	G130M/1096/FUVB (COS.sp.418698)	(6) GD71	COS/FUV, TIME-TAG, PSA	G130M 1096 A	BUFFER-TIME=500; FP-POS=3; SEGMENT=B			600 Secs (600 Secs) *[==>]*	***[1]***
	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)*								
3		DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVLOW		1 Secs (1 Secs) *[==>]*	***[1]***
	Comments: Work-around to efficiently schedule the SEG-B to SEG-A reconfiguration. Eliminates SPSS induced gaps.								
4	G130M/1096/FUVA WAVECAL	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1096 A	FP-POS=3; SEGMENT=A; FLASH=NO			140 Secs (140 Secs) *[==>]*	***[1]***
5	G160M/1577/FUVA (COS.sp.413980)	(6) GD71	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=102; FP-POS=3; SEGMENT=A			102 Secs (102 Secs) *[==>]*	***[1]***
	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*								
6	G160M/1623/FUVA (COS.sp.413984)	(6) GD71	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=154; FP-POS=3; SEGMENT=A			154 Secs (154 Secs) *[==>]*	***[1]***
	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*								

Orbit Structure



Visit

Proposal 13967, GD71 (30), scheduling Sat Jan 31 02:12:44 GMT 2015

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, S/C, COS/FUV

Special Requirements: SCHED 100%; BETWEEN 11-AUG-2015:00:00:00 AND 17-AUG-2015:00:00:00

Comments: Modified to include a GO wavecal (exposure 4) to calculate the OSM shifts of the G130M/1096/FUVB observation
George Chapman added Exposure 3

Diagnostics

(GD71 (30)) 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

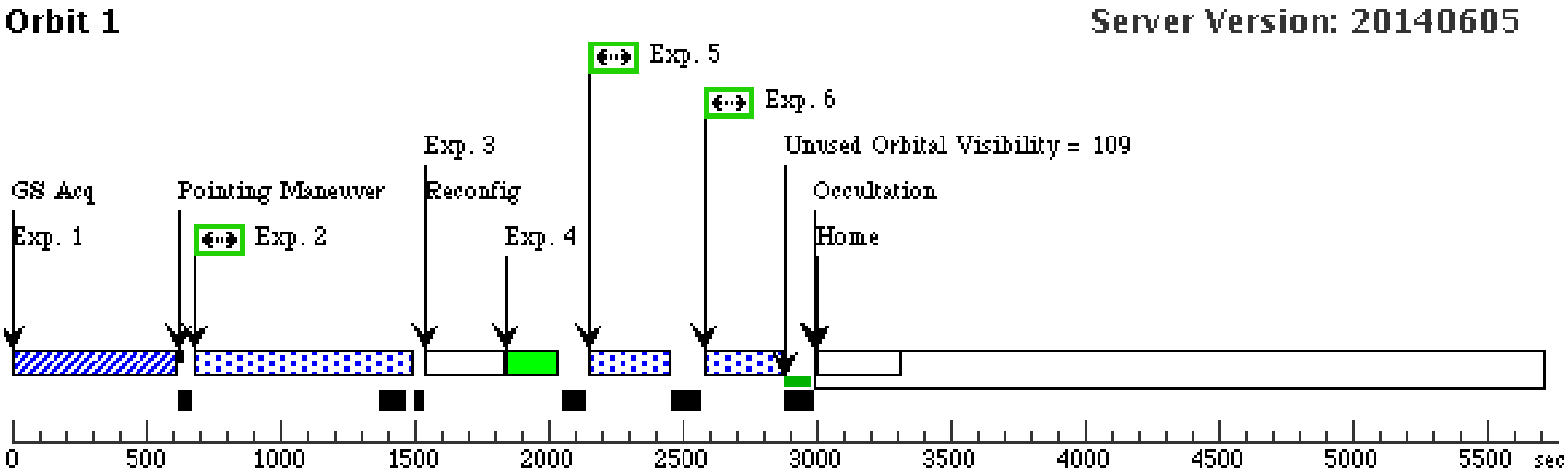
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(6)	GD71	RA: 05 52 27.6100 (88.1150417d)	Proper Motion RA: 85 mas/yr	V=13.06+/-0.01	Reference Frame: ICRS
		Dec: +15 53 13.80 (15.88717d)	Proper Motion Dec: -174 mas/yr		
		Equinox: J2000	Epoch of Position: 2000		

Comments: Use sma RA, DEC amd PM as in proposal 12392 by Bohlin et al.

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]***
	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*								
2	G130M/1096/FUVB (COS.sp.418698)	(6) GD71	COS/FUV, TIME-TAG, PSA	G130M 1096 A	BUFFER-TIME=500; FP-POS=3; SEGMENT=B			600 Secs (600 Secs) *[==>]*	***[1]***
	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)*								
3		DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVLOW		1 Secs (1 Secs) *[==>]*	***[1]***
	Comments: Work-around to efficiently schedule the SEG-B to SEG-A reconfiguration. Eliminates SPSS induced gaps.								
4	G130M/1096/FUVA WAVECAL	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1096 A	FP-POS=3; SEGMENT=A; FLASH=NO			140 Secs (140 Secs) *[==>]*	***[1]***
5	G160M/1577/FUVA (COS.sp.413980)	(6) GD71	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=102; FP-POS=3; SEGMENT=A			102 Secs (102 Secs) *[==>]*	***[1]***
	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*								
6	G160M/1623/FUVA (COS.sp.413984)	(6) GD71	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=154; FP-POS=3; SEGMENT=A			154 Secs (154 Secs) *[==>]*	***[1]***
	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*								

Orbit Structure



Proposal 13967 - GD71 (32) - COS FUV Spectroscopic Sensitivity Monitoring

Visit

Proposal 13967, GD71 (32), scheduling Sat Jan 31 02:12:44 GMT 2015

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, S/C, COS/FUV

Special Requirements: SCHED 100%; BETWEEN 19-OCT-2015:00:00:00 AND 26-OCT-2015:00:00:00

Comments: Modified to include a GO wavecal (exposure 4) to calculate the OSM shifts of the G130M/1096/FUVB observation
George Chapman added Exposure 3

Diagnostics

(GD71 (32)) 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

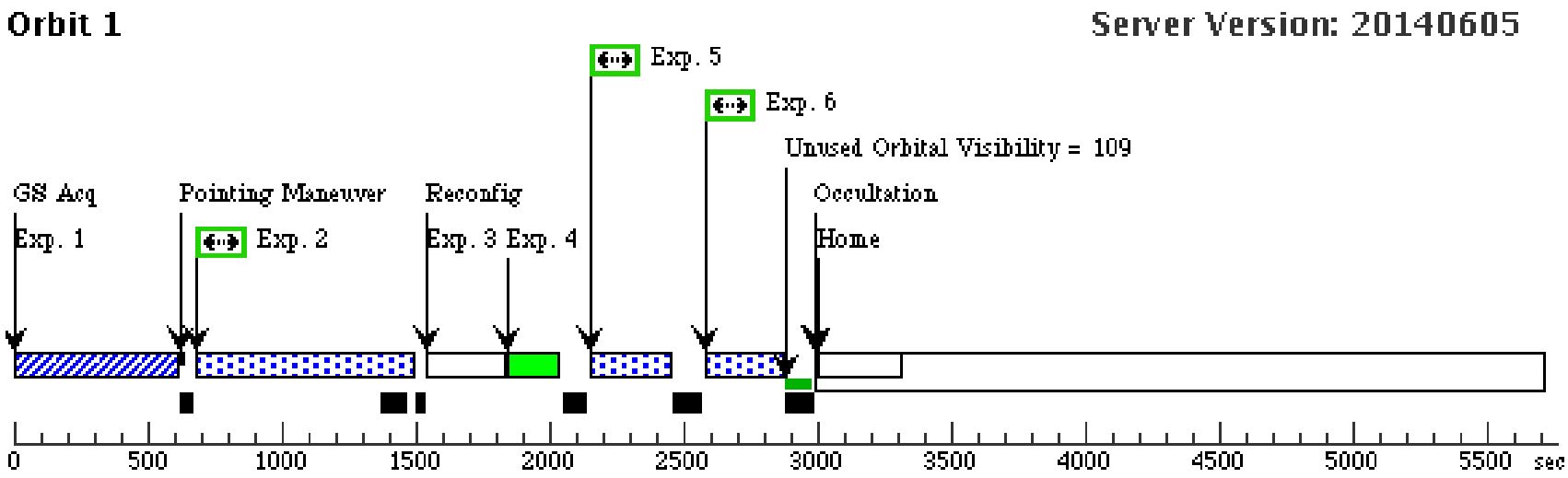
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(6)	GD71	RA: 05 52 27.6100 (88.1150417d)	Proper Motion RA: 85 mas/yr	V=13.06+/-0.01	Reference Frame: ICRS
		Dec: +15 53 13.80 (15.88717d)	Proper Motion Dec: -174 mas/yr		
		Equinox: J2000	Epoch of Position: 2000		

Comments: Use sma RA, DEC amd PM as in proposal 12392 by Bohlin et al.

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]***
	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*								
2	G130M/1096/FUVB (COS.sp.418698)	(6) GD71	COS/FUV, TIME-TAG, PSA	G130M 1096 A	BUFFER-TIME=500; FP-POS=3; SEGMENT=B			600 Secs (600 Secs) *[==>]*	***[1]***
	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)*								
3		DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVLOW		1 Secs (1 Secs) *[==>]*	***[1]***
	Comments: Work-around to efficiently schedule the SEG-B to SEG-A reconfiguration. Eliminates SPSS induced gaps.								
4	G130M/1096/FUVA WAVECAL	WAVE	COS/FUV, TIME-TAG, WCA	G130M 1096 A	FP-POS=3; SEGMENT=A; FLASH=NO			140 Secs (140 Secs) *[==>]*	***[1]***
5	G160M/1577/FUVA (COS.sp.413980)	(6) GD71	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=102; FP-POS=3; SEGMENT=A			102 Secs (102 Secs) *[==>]*	***[1]***
	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*								
6	G160M/1623/FUVA (COS.sp.413984)	(6) GD71	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=154; FP-POS=3; SEGMENT=A			154 Secs (154 Secs) *[==>]*	***[1]***
	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*								

Orbit Structure



Visit

Proposal 13967, WD0308 - complete (01), completed Sat Jan 31 02:12:44 GMT 2015

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, S/C, COS/FUV

Special Requirements: SCHED 100%; BETWEEN 24-NOV-2014:00:00:00 AND 30-NOV-2014:00:00:00

Comments: George Chapman added Exposure 9

Diagnostics

(WD0308 - complete (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

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		GS ACQ SCENARIO BASE1B3		45 Secs (45 Secs) *[==>]*	***[1]***
2	G130M/1222 (COS.sp.395840)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1222 A	BUFFER-TIME=126; FP-POS=3			226 Secs (226 Secs) *[==>]*	***[1]***
	*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* *I checked with Alan Welty and Karla Peterson to confirm that there are no issues using the 1222 central wavelength prior to Cycle 20*								
3	G130M/1291 (COS.sp.395841)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=144; 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*								
4	G130M/1327 (COS.sp.395843)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=212; FP-POS=3			312 Secs (312 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 = 212* *Continue use of 1 FP-POS*								
5	G130M/1055/FUVA (OS.sp.524117)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1055 A	BUFFER-TIME=234; FP-POS=3; SEGMENT=BOTH			334 Secs (334 Secs) *[==>]*	***[1]***
	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*								
6	G160M/1577 (395846)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=3; BUFFER-TIME=190			290 Secs (290 Secs) *[==>]*	***[2]***
	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*								
7	G160M/1623 (395848)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1623 A	FP-POS=3; BUFFER-TIME=300			400 Secs (400 Secs) *[==>]*	***[2]***
	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*								
8	G140L/1230 (COS.sp.395854)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=180; FP-POS=3			280 Secs (280 Secs) *[==>]*	***[2]***
	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*								

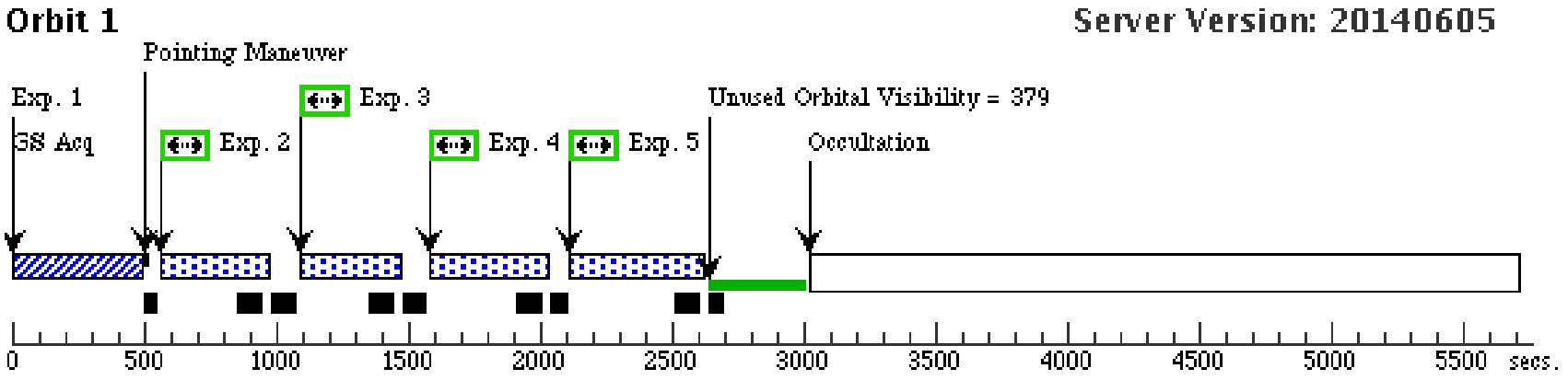
9	DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVL OW	1 Secs (1 Secs) *[==>]*	 ***[2]***

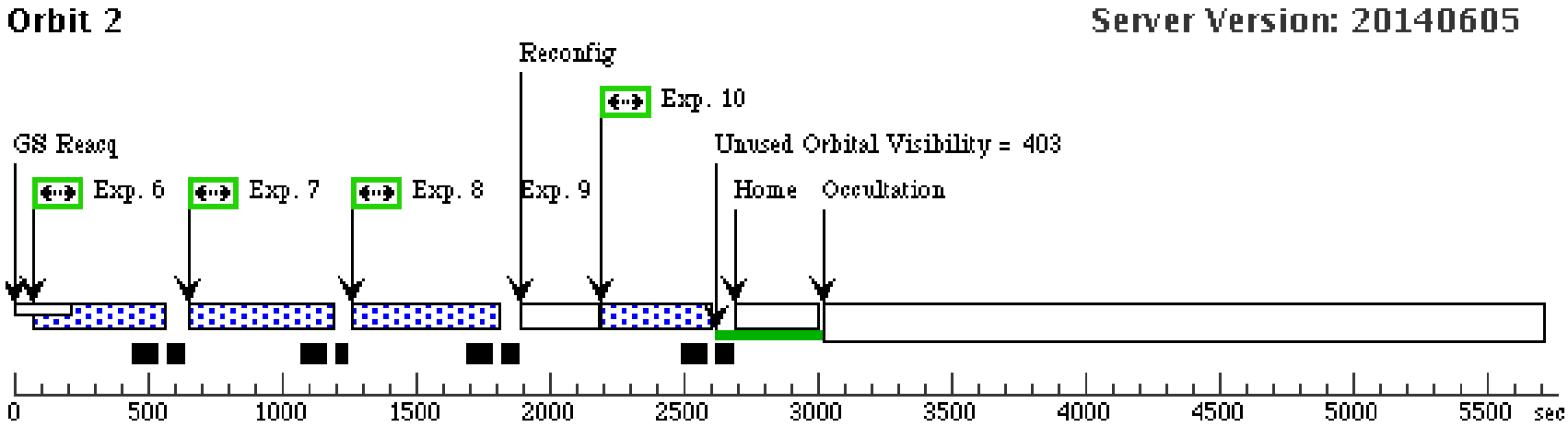
Comments: Work-around to efficiently schedule the reconfiguration to SEG-A. Eliminates SPSS induced gaps.

10	G140L/1105 (1) WD0308-565 /FUVA (OS.sp.395853)	COS/FUV, TIME-TAG, PSA	G140L 1105 A	BUFFER-TIME=180; FP-POS=3; SEGMENT=A		280 Secs (280 Secs) *[==>]*	 ***[2]***

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

Orbit Structure





Visit

Proposal 13967, WD0308 - complete (03), scheduled Sat Jan 31 02:12:44 GMT 2015

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, S/C, COS/FUV

Special Requirements: SCHED 100%; BETWEEN 02-FEB-2015:00:00:00 AND 09-FEB-2015:00:00:00

Comments: George Chapman added Exposure 9

HAS to be done at LP2 close before the LP move

Diagnostics

(WD0308 - complete (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

Comments: Coordinates from Charle's proposal

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/1222 (COS.sp.395840)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1222 A	BUFFER-TIME=126; FP-POS=3			226 Secs (226 Secs) *[==>]*	*[1]*
	*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* *I checked with Alan Welty and Karla Peterson to confirm that there are no issues using the 1222 central wavelength prior to Cycle 20*								
3	G130M/1291 (COS.sp.395841)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=144; 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*								
4	G130M/1327 (COS.sp.395843)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=212; FP-POS=3			312 Secs (312 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 = 212* *Continue use of 1 FP-POS*								
5	G130M/1055/FUVA (OS.sp.524117)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1055 A	BUFFER-TIME=234; FP-POS=3; SEGMENT=BOTH			334 Secs (334 Secs) *[==>]*	*[1]*
	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*								
6	G160M/1577 (395846)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=3; BUFFER-TIME=190			290 Secs (290 Secs) *[==>]*	*[2]*
	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*								
7	G160M/1623 (395848)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1623 A	FP-POS=3; BUFFER-TIME=300			400 Secs (400 Secs) *[==>]*	*[2]*
	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*								
8	G140L/1230 (COS.sp.395854)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=180; FP-POS=3			280 Secs (280 Secs) *[==>]*	*[2]*
	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*								

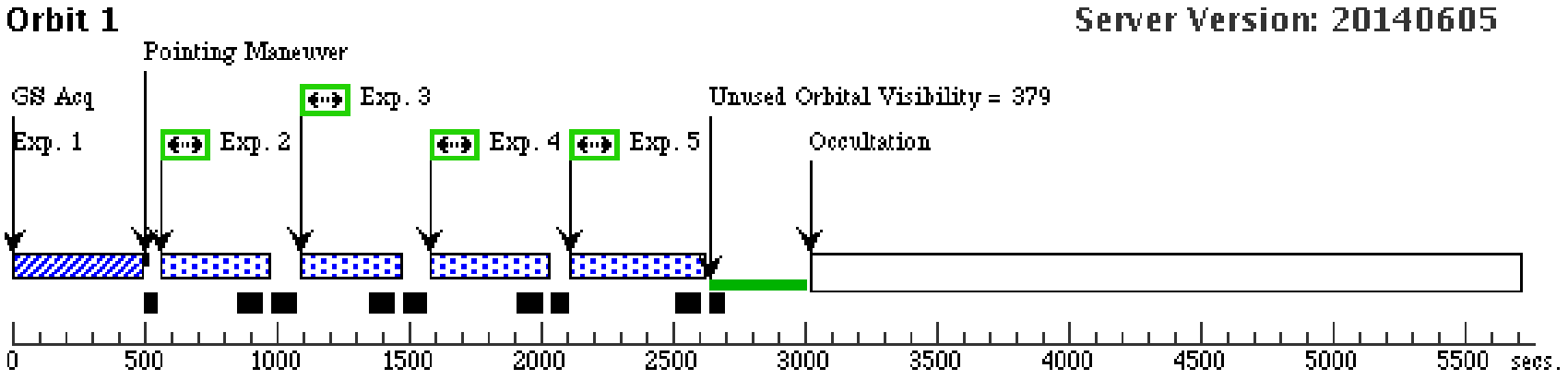
9	DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVL OW	1 Secs (1 Secs) *[==>]*	 ***[2]***

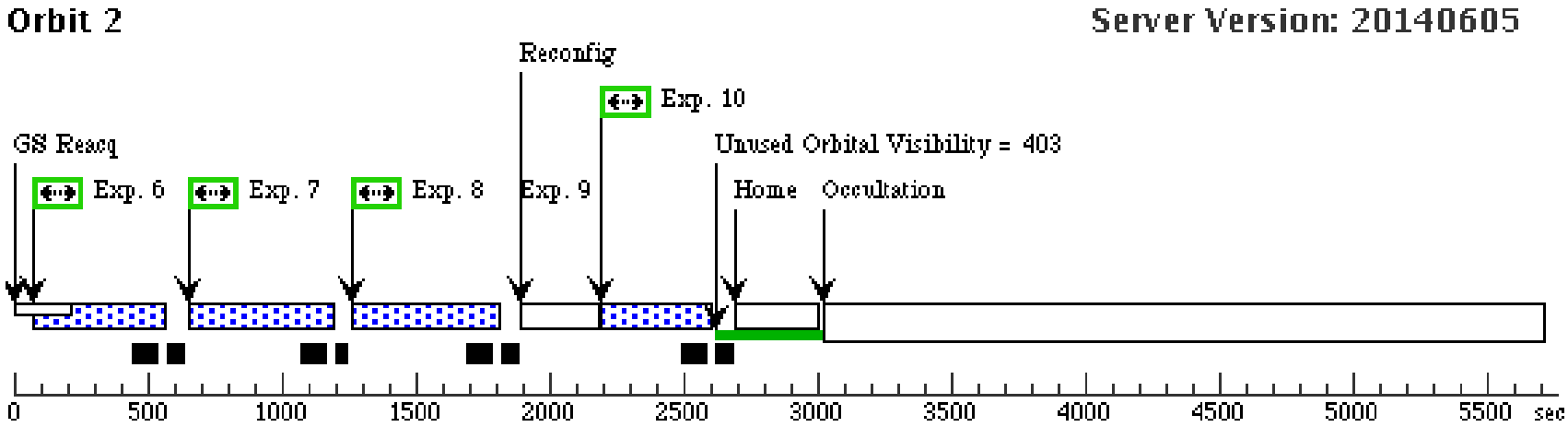
Comments: Work-around to efficiently schedule the reconfiguration to SEG-A. Eliminates SPSS induced gaps.

10	G140L/1105 (1) WD0308-565 /FUVA (OS.sp.395853)	COS/FUV, TIME-TAG, PSA	G140L 1105 A	BUFFER-TIME=180; FP-POS=3; SEGMENT=A		280 Secs (280 Secs) *[==>]*	 ***[2]***

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

Orbit Structure





Visit

Proposal 13967, WD0308 - complete (04), implementation Sat Jan 31 02:12:44 GMT 2015

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, S/C, COS/FUV

Special Requirements: SCHED 100%; BETWEEN 09-FEB-2015:00:00:00 AND 16-FEB-2015:00:00:00

Comments: George Chapman added Exposure 9

HAS to be done at LP3 soon after the LP move

Diagnostics

(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

#	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

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		GS ACQ SCENARIO BASE1B3		45 Secs (45 Secs) *[==>]*	***[1]***
2	G130M/1222 (COS.sp.395840)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1222 A	BUFFER-TIME=126; FP-POS=3			226 Secs (226 Secs) *[==>]*	***[1]***
	*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* *I checked with Alan Welty and Karla Peterson to confirm that there are no issues using the 1222 central wavelength prior to Cycle 20*								
3	G130M/1291 (COS.sp.395841)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=144; 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*								
4	G130M/1327 (COS.sp.395843)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=212; FP-POS=3			312 Secs (312 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 = 212* *Continue use of 1 FP-POS*								
5	G130M/1055/FUVA (OS.sp.524117)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1055 A	BUFFER-TIME=234; FP-POS=3; SEGMENT=BOTH			334 Secs (334 Secs) *[==>]*	***[1]***
	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*								
6	G160M/1577 (395846)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=3; BUFFER-TIME=190			290 Secs (290 Secs) *[==>]*	***[2]***
	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*								
7	G160M/1623 (395848)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1623 A	FP-POS=3; BUFFER-TIME=300			400 Secs (400 Secs) *[==>]*	***[2]***
	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*								
8	G140L/1230 (COS.sp.395854)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=180; FP-POS=3			280 Secs (280 Secs) *[==>]*	***[2]***
	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*								

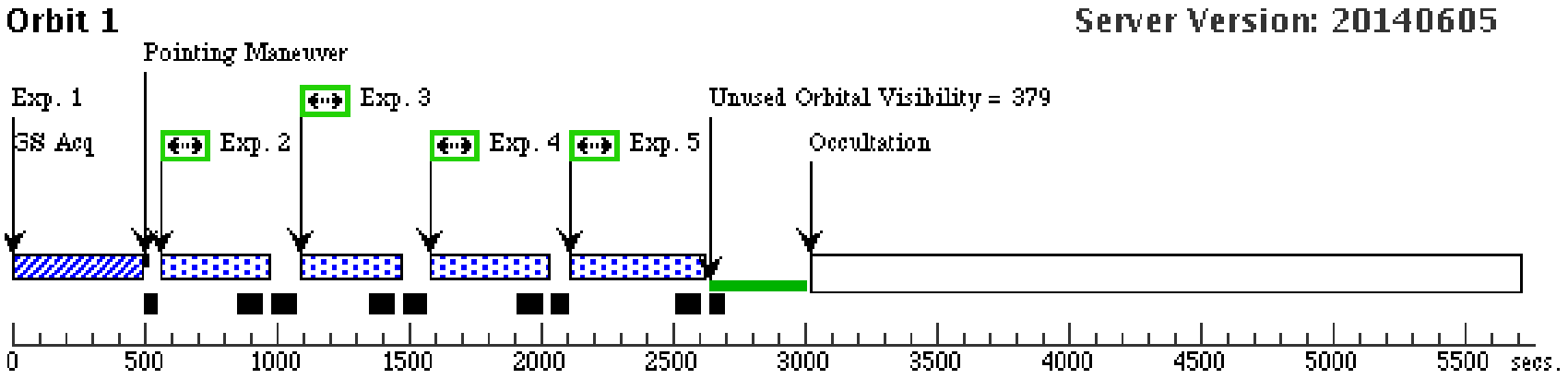
9	DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVL OW	1 Secs (1 Secs) *[==>]*	**[2]**

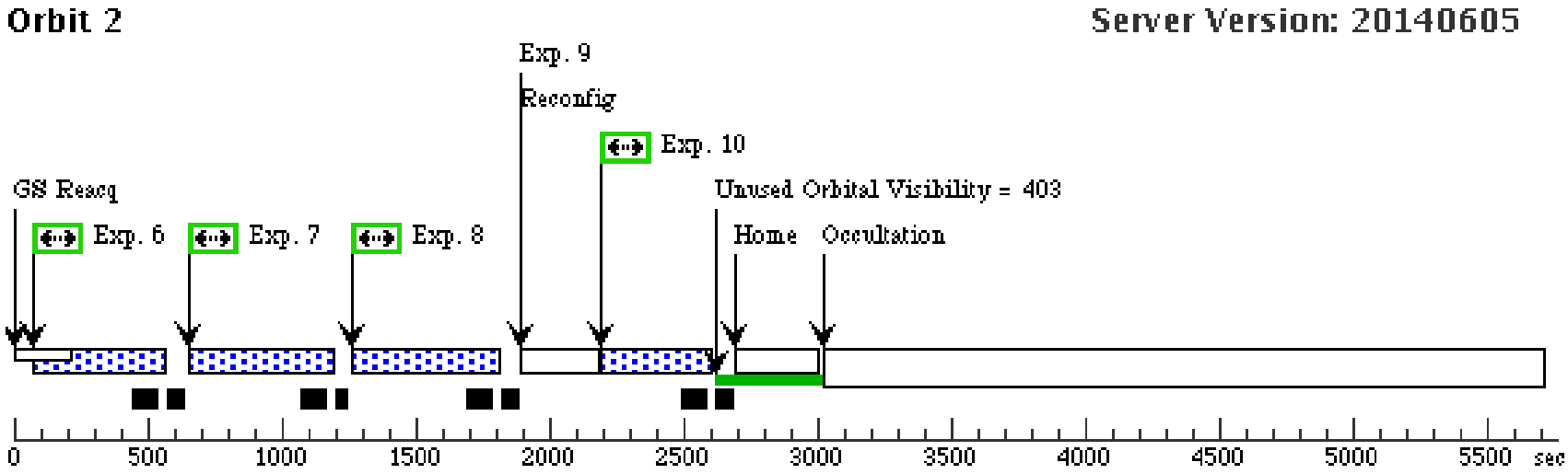
Comments: Work-around to efficiently schedule the reconfiguration to SEG-A. Eliminates SPSS induced gaps.

10	G140L/1105 (1) WD0308-565 /FUVA (OS.sp.395853)	COS/FUV, TIME-TAG, PSA	G140L 1105 A	BUFFER-TIME=180; FP-POS=3; SEGMENT=A		280 Secs (280 Secs) *[==>]*	**[2]**

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

Orbit Structure





Visit

Proposal 13967, WD0308 - complete (06), scheduling Sat Jan 31 02:12:44 GMT 2015

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, S/C, COS/FUV

Special Requirements: SCHED 100%; BETWEEN 13-APR-2015:00:00:00 AND 20-APR-2015:00:00:00

Comments: George Chapman added Exposure 9

Diagnostics

(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.

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

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/1222 (COS.sp.395840)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1222 A	BUFFER-TIME=126; FP-POS=3			226 Secs (226 Secs) *[==>]*	*[1]*
	*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* *I checked with Alan Welty and Karla Peterson to confirm that there are no issues using the 1222 central wavelength prior to Cycle 20*								
3	G130M/1291 (COS.sp.395841)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=144; 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*								
4	G130M/1327 (COS.sp.395843)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=212; FP-POS=3			312 Secs (312 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 = 212* *Continue use of 1 FP-POS*								
5	G130M/1055/FUVA (OS.sp.524117)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1055 A	BUFFER-TIME=234; FP-POS=3; SEGMENT=BOTH			334 Secs (334 Secs) *[==>]*	*[1]*
	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*								
6	G160M/1577 (395846)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=3; BUFFER-TIME=190			290 Secs (290 Secs) *[==>]*	*[2]*
	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*								
7	G160M/1623 (395848)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1623 A	FP-POS=3; BUFFER-TIME=300			400 Secs (400 Secs) *[==>]*	*[2]*
	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*								
8	G140L/1230 (COS.sp.395854)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=180; FP-POS=3			280 Secs (280 Secs) *[==>]*	*[2]*
	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*								

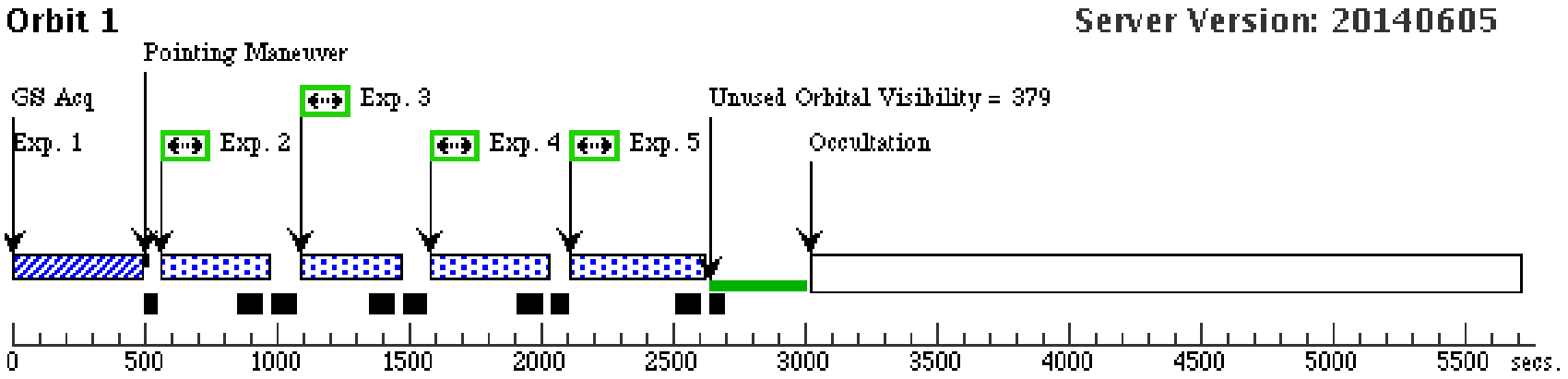
9	DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVL OW	1 Secs (1 Secs) *[==>]*	*[2]*

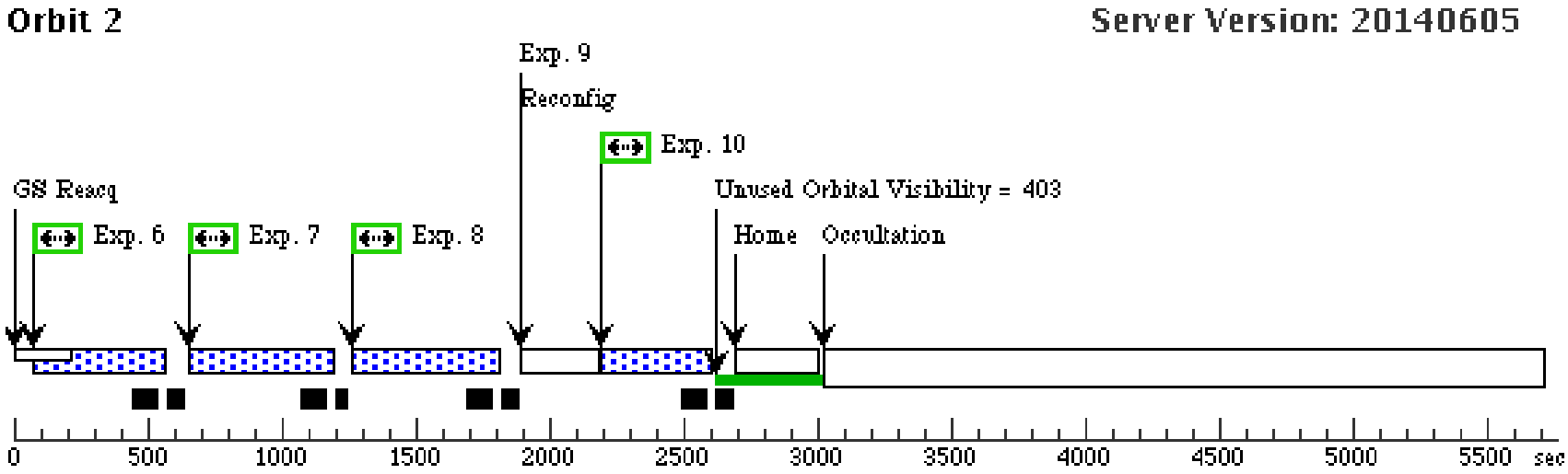
Comments: Work-around to efficiently schedule the reconfiguration to SEG-A. Eliminates SPSS induced gaps.

10	G140L/1105 (1) WD0308-565 /FUVA (OS.sp.395853)	COS/FUV, TIME-TAG, PSA	G140L 1105 A	BUFFER-TIME=180; FP-POS=3; SEGMENT=A		280 Secs (280 Secs) *[==>]*	*[2]*

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

Orbit Structure





Visit

Proposal 13967, WD0308 - complete (08), scheduling Sat Jan 31 02:12:44 GMT 2015

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, S/C, COS/FUV

Special Requirements: SCHED 100%; BETWEEN 08-JUN-2015:00:00:00 AND 15-JUN-2015:00:00:00

Comments: George Chapman added Exposure 9

Diagnostics

(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.

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

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/1222 (COS.sp.395840)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1222 A	BUFFER-TIME=126; FP-POS=3			226 Secs (226 Secs) *[==>]*	*[1]*
	*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* *I checked with Alan Welty and Karla Peterson to confirm that there are no issues using the 1222 central wavelength prior to Cycle 20*								
3	G130M/1291 (COS.sp.395841)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=144; 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*								
4	G130M/1327 (COS.sp.395843)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=212; FP-POS=3			312 Secs (312 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 = 212* *Continue use of 1 FP-POS*								
5	G130M/1055/FUVA (OS.sp.524117)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1055 A	BUFFER-TIME=234; FP-POS=3; SEGMENT=BOTH			334 Secs (334 Secs) *[==>]*	*[1]*
	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*								
6	G160M/1577 (395846)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=3; BUFFER-TIME=190			290 Secs (290 Secs) *[==>]*	*[2]*
	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*								
7	G160M/1623 (395848)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1623 A	FP-POS=3; BUFFER-TIME=300			400 Secs (400 Secs) *[==>]*	*[2]*
	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*								
8	G140L/1230 (COS.sp.395854)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=180; FP-POS=3			280 Secs (280 Secs) *[==>]*	*[2]*
	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*								

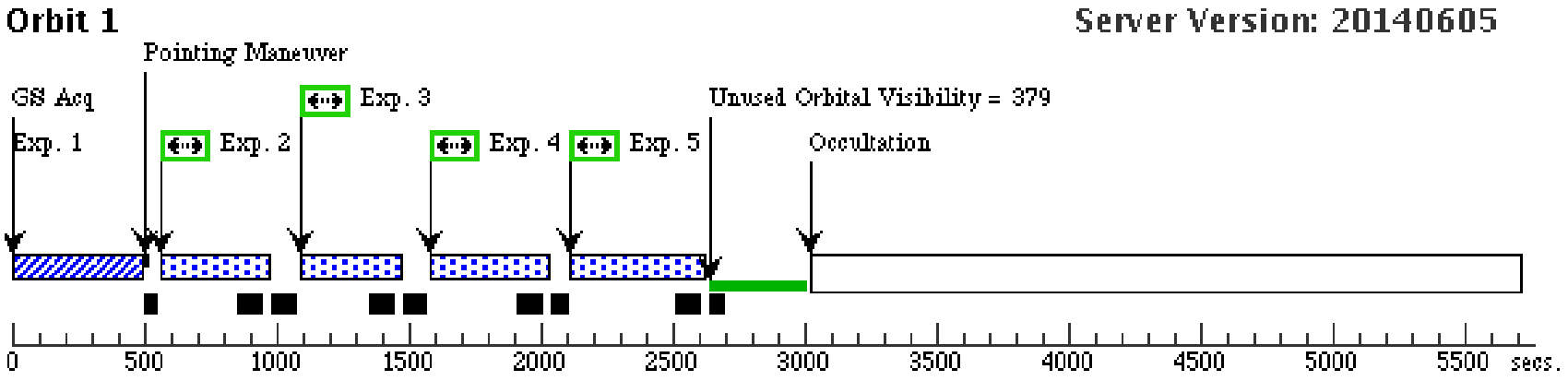
9	DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVL OW	1 Secs (1 Secs) [==>]	[2]

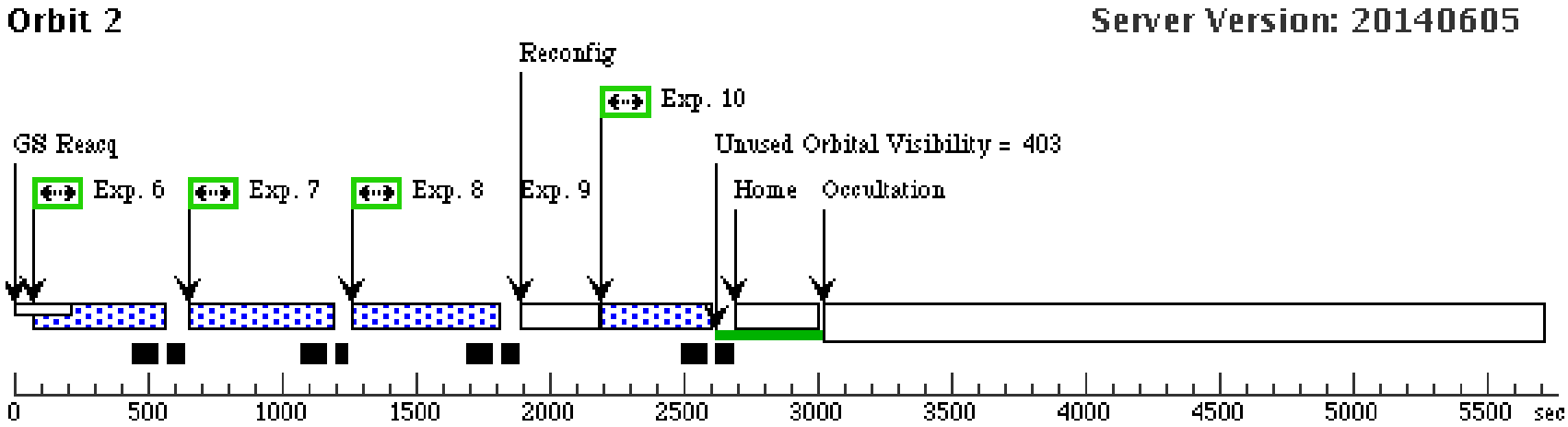
Comments: Work-around to efficiently schedule the reconfiguration to SEG-A. Eliminates SPSS induced gaps.

10	G140L/1105 (1) WD0308-565 /FUVA (OS.sp.395853)	COS/FUV, TIME-TAG, PSA	G140L 1105 A	BUFFER-TIME=180; FP-POS=3; SEGMENT=A		280 Secs (280 Secs) [==>]	[2]

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

Orbit Structure





Visit

Proposal 13967, WD0308 - complete (10), scheduling Sat Jan 31 02:12:45 GMT 2015

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, S/C, COS/FUV

Special Requirements: SCHED 100%; BETWEEN 11-AUG-2015:00:00:00 AND 17-AUG-2015:00:00:00

Comments: George Chapman added Exposure 9

Diagnostics

(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.

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

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/1222 (COS.sp.395840)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1222 A	BUFFER-TIME=126; FP-POS=3			226 Secs (226 Secs) *[==>]*	*[1]*
	*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* *I checked with Alan Welty and Karla Peterson to confirm that there are no issues using the 1222 central wavelength prior to Cycle 20*								
3	G130M/1291 (COS.sp.395841)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=144; 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*								
4	G130M/1327 (COS.sp.395843)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=212; FP-POS=3			312 Secs (312 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 = 212* *Continue use of 1 FP-POS*								
5	G130M/1055/FUVA (OS.sp.524117)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1055 A	BUFFER-TIME=234; FP-POS=3; SEGMENT=BOTH			334 Secs (334 Secs) *[==>]*	*[1]*
	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*								
6	G160M/1577 (395846)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=3; BUFFER-TIME=190			290 Secs (290 Secs) *[==>]*	*[2]*
	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*								
7	G160M/1623 (395848)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1623 A	FP-POS=3; BUFFER-TIME=300			400 Secs (400 Secs) *[==>]*	*[2]*
	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*								
8	G140L/1230 (COS.sp.395854)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=180; FP-POS=3			280 Secs (280 Secs) *[==>]*	*[2]*
	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*								

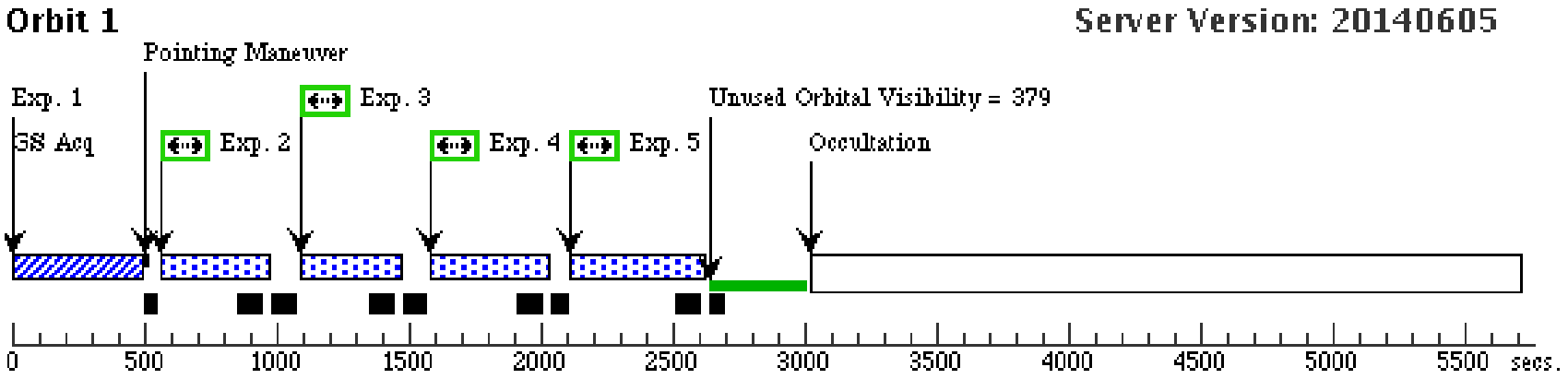
9	DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVL OW	1 Secs (1 Secs) *[==>]*	*[2]*

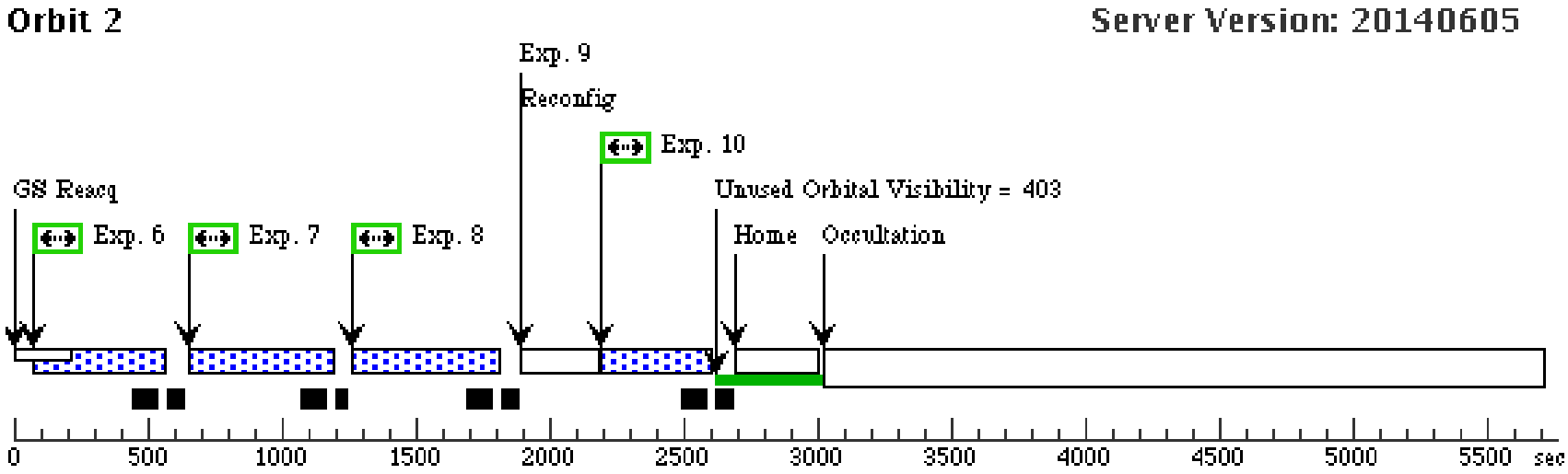
Comments: Work-around to efficiently schedule the reconfiguration to SEG-A. Eliminates SPSS induced gaps.

10	G140L/1105 (1) WD0308-565 /FUVA (OS.sp.395853)	COS/FUV, TIME-TAG, PSA	G140L 1105 A	BUFFER-TIME=180; FP-POS=3; SEGMENT=A		280 Secs (280 Secs) *[==>]*	*[2]*

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

Orbit Structure





Visit

Proposal 13967, WD0308 - complete (12), scheduling Sat Jan 31 02:12:45 GMT 2015

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, S/C, COS/FUV

Special Requirements: SCHED 100%; BETWEEN 19-OCT-2015:00:00:00 AND 26-OCT-2015:00:00:00

Comments: George Chapman added Exposure 9

Diagnostics

(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.

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

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		GS ACQ SCENARIO SINGLE		45 Secs (45 Secs) *[==>]*	***[1]***
2	G130M/1222 (COS.sp.395840)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1222 A	BUFFER-TIME=126; FP-POS=3			226 Secs (226 Secs) *[==>]*	***[1]***
	*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* *I checked with Alan Welty and Karla Peterson to confirm that there are no issues using the 1222 central wavelength prior to Cycle 20*								
3	G130M/1291 (COS.sp.395841)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=144; 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*								
4	G130M/1327 (COS.sp.395843)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1327 A	BUFFER-TIME=212; FP-POS=3			312 Secs (312 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 = 212* *Continue use of 1 FP-POS*								
5	G130M/1055/FUVA (OS.sp.524117)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1055 A	BUFFER-TIME=234; FP-POS=3; SEGMENT=BOTH			334 Secs (334 Secs) *[==>]*	***[1]***
	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*								
6	G160M/1577 (395846)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=3; BUFFER-TIME=190			290 Secs (290 Secs) *[==>]*	***[2]***
	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*								
7	G160M/1623 (395848)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1623 A	FP-POS=3; BUFFER-TIME=300			400 Secs (400 Secs) *[==>]*	***[2]***
	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*								
8	G140L/1230 (COS.sp.395854)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=180; FP-POS=3			280 Secs (280 Secs) *[==>]*	***[2]***
	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*								

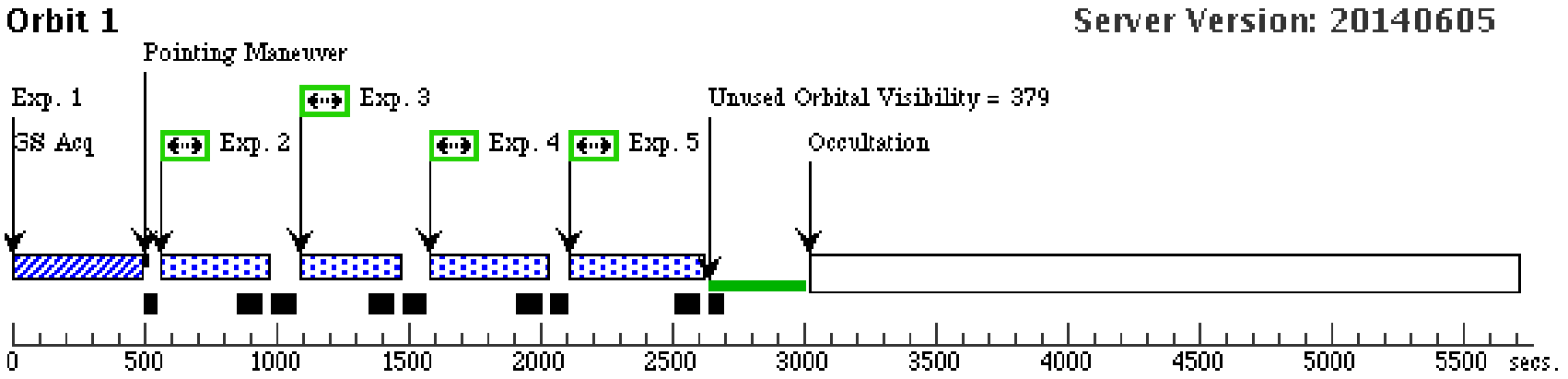
9	DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVL OW	1 Secs (1 Secs)	
						[==>]	***[2]***

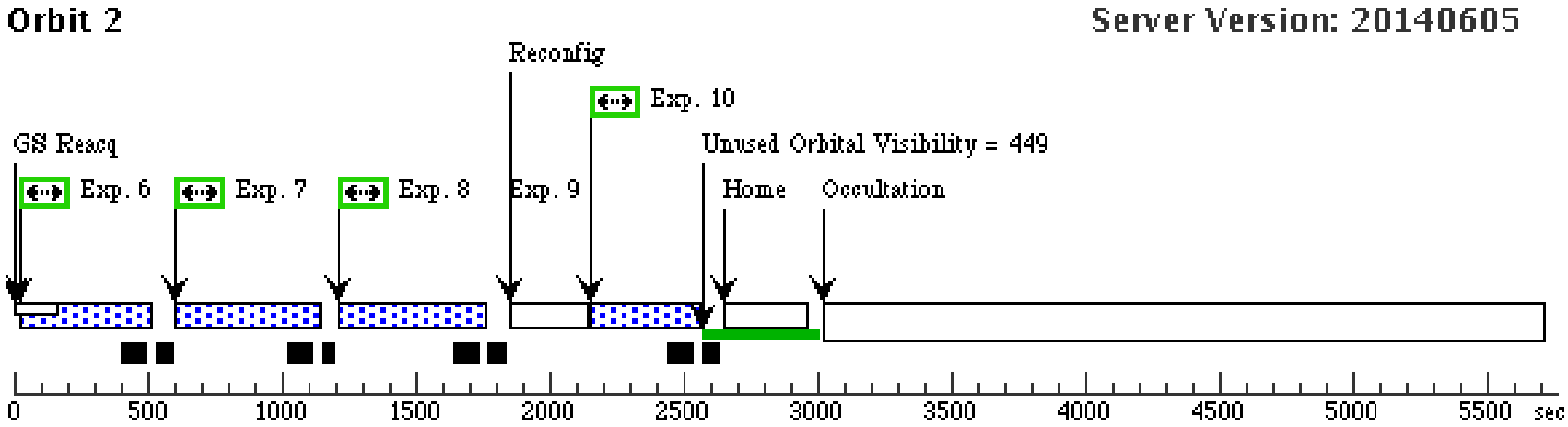
Comments: Work-around to efficiently schedule the reconfiguration to SEG-A. Eliminates SPSS induced gaps.

10	G140L/1105 (1) WD0308-565 /FUVA (OS.sp.395853)	COS/FUV, TIME-TAG, PSA	G140L 1105 A	BUFFER-TIME=180; FP-POS=3; SEGMENT=A		280 Secs (280 Secs)	
						[==>]	***[2]***

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

Orbit Structure





Visit

Proposal 13967, WD0308 - reduced (02), completed Sat Jan 31 02:12:45 GMT 2015

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: SCHED 100%; BETWEEN 29-DEC-2014:00:00:00 AND 05-JAN-2015:00:00:00

Diagnostics

(WD0308 - reduced (02)) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	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

Exposures

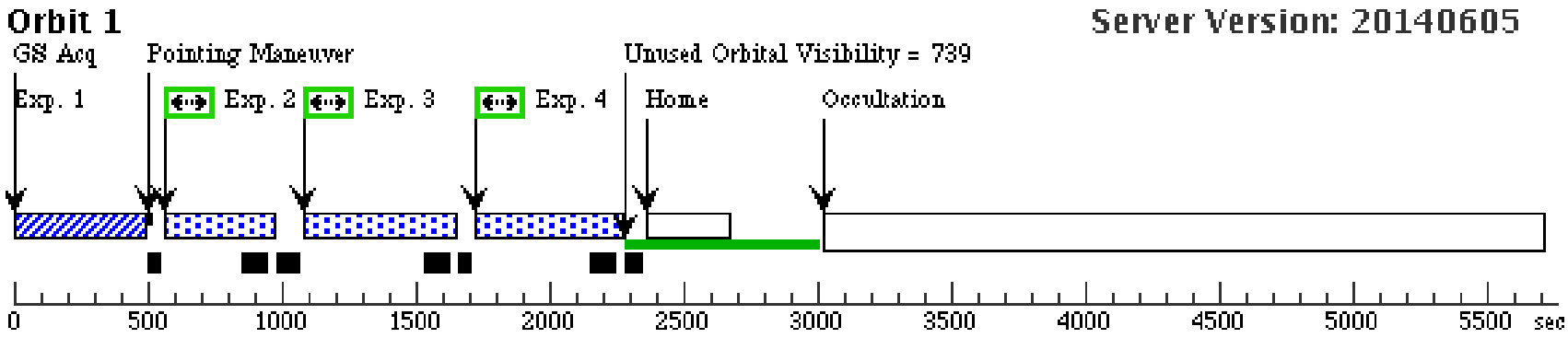
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ/IM (396029)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				45 Secs (45 Secs) *[==>]*	*[1]*
2	G130M/1291 (COS.sp.395841)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=144; FP-POS=3			244 Secs (244 Secs) *[==>]*	*[1]*
3	G160M/1623 (395848)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1623 A	FP-POS=3; BUFFER-TIME=300			400 Secs (400 Secs) *[==>]*	*[1]*
4	G140L/1230 (COS.sp.395854)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=180; FP-POS=3			280 Secs (280 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

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

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

Orbit Structure



Visit

Proposal 13967, WD0308 - reduced (05), scheduling Sat Jan 31 02:12:45 GMT 2015

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: SCHED 100%; BETWEEN 09-MAR-2015:00:00:00 AND 16-MAR-2015:00:00:00

Diagnostics

(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

Exposures

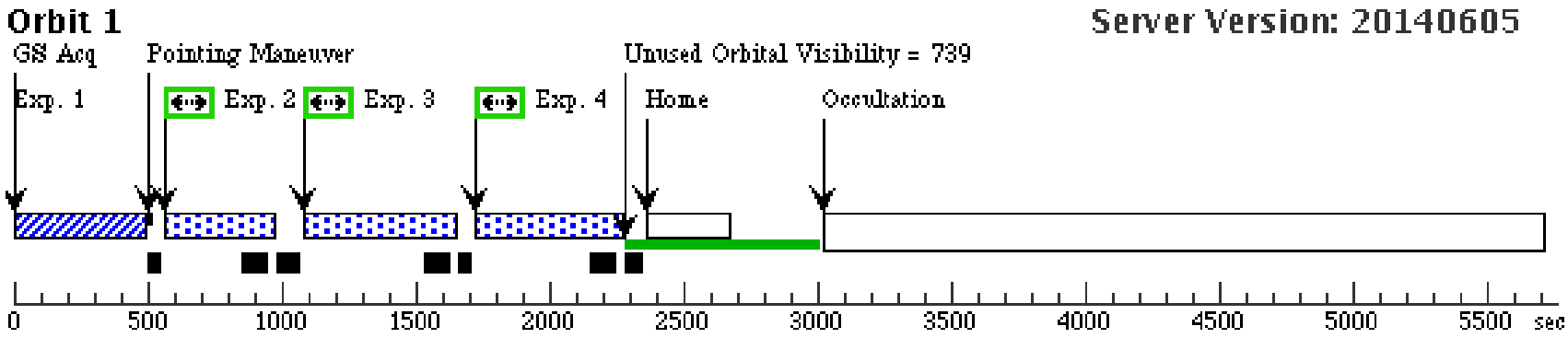
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ/IM (396029)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				45 Secs (45 Secs) *[==>]*	*[1]*
2	G130M/1291 (COS.sp.395841)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=144; FP-POS=3			244 Secs (244 Secs) *[==>]*	*[1]*
3	G160M/1623 (395848)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1623 A	FP-POS=3; BUFFER-TIME=300			400 Secs (400 Secs) *[==>]*	*[1]*
4	G140L/1230 (COS.sp.395854)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=180; FP-POS=3			280 Secs (280 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

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

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

Orbit Structure



Visit

Proposal 13967, WD0308 - reduced (07), scheduling Sat Jan 31 02:12:45 GMT 2015

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: SCHED 100%; BETWEEN 11-MAY-2015:00:00:00 AND 18-MAY-2015:00:00:00

Diagnostics

(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

Exposures

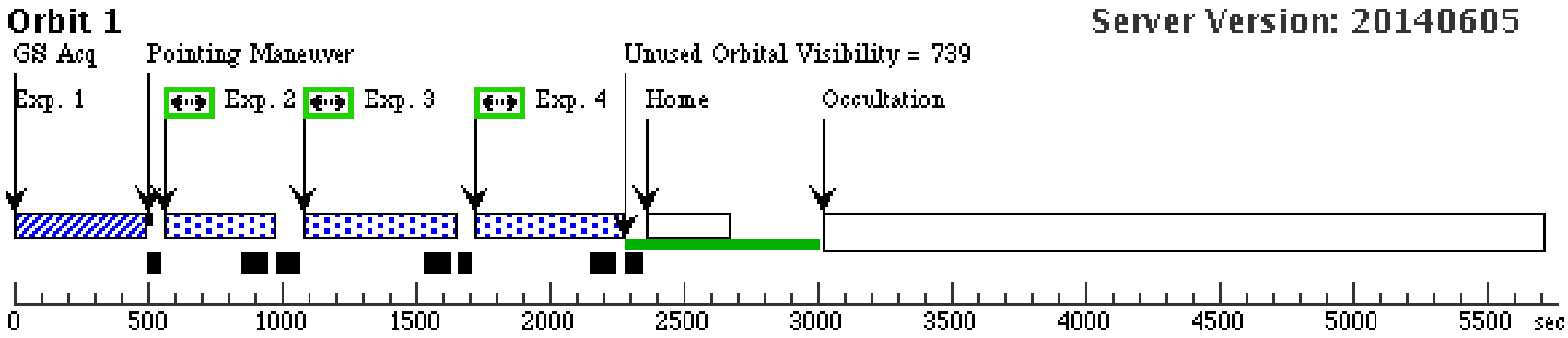
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ/IM (396029)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				45 Secs (45 Secs) *[==>]*	*[1]*
2	G130M/1291 (COS.sp.395841)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=144; FP-POS=3			244 Secs (244 Secs) *[==>]*	*[1]*
3	G160M/1623 (395848)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1623 A	FP-POS=3; BUFFER-TIME=300			400 Secs (400 Secs) *[==>]*	*[1]*
4	G140L/1230 (COS.sp.395854)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=180; FP-POS=3			280 Secs (280 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

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

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

Orbit Structure



Visit

Proposal 13967, WD0308 - reduced (09), scheduling Sat Jan 31 02:12:45 GMT 2015

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: SCHED 100%; BETWEEN 13-JUL-2015:00:00:00 AND 20-JUL-2015:00:00:00

Diagnostics

(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

Exposures

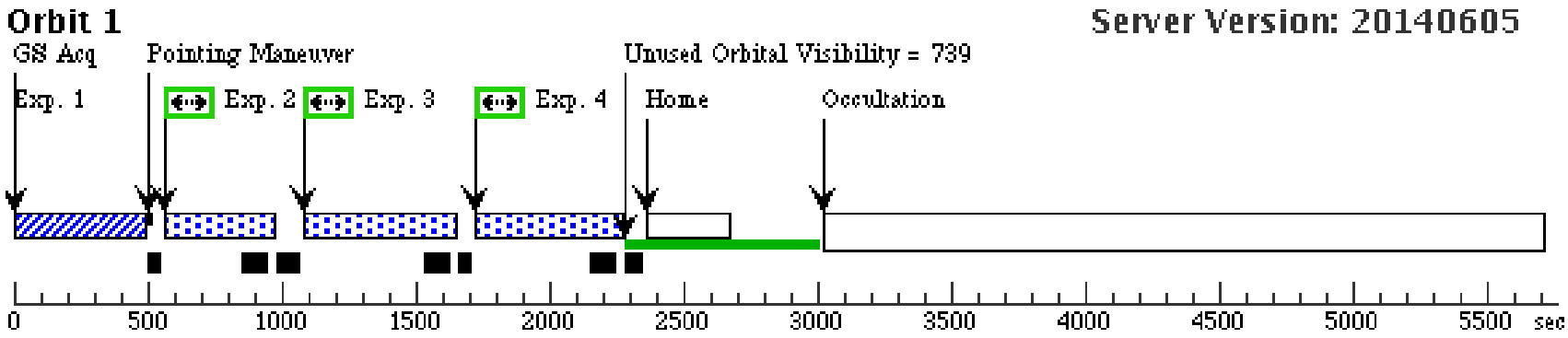
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ/IM (396029)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				45 Secs (45 Secs) *[==>]*	*[1]*
2	G130M/1291 (COS.sp.395841)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=144; FP-POS=3			244 Secs (244 Secs) *[==>]*	*[1]*
3	G160M/1623 (395848)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1623 A	FP-POS=3; BUFFER-TIME=300			400 Secs (400 Secs) *[==>]*	*[1]*
4	G140L/1230 (COS.sp.395854)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=180; FP-POS=3			280 Secs (280 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

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

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

Orbit Structure



Visit

Proposal 13967, WD0308 - reduced (11), scheduling Sat Jan 31 02:12:45 GMT 2015

Diagnostic Status: Warning

Scientific Instruments: COS/NUV, COS/FUV

Special Requirements: SCHED 100%; BETWEEN 14-SEP-2015:00:00:00 AND 21-SEP-2015:00:00:00

Diagnostics

(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

Comments: Coordinates from Charle's proposal

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/1291 (COS.sp.395841)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=144; FP-POS=3			244 Secs (244 Secs) *[==>]*	*[1]*
3	G160M/1623 (395848)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1623 A	FP-POS=3; BUFFER-TIME=300			400 Secs (400 Secs) *[==>]*	*[1]*
4	G140L/1230 (COS.sp.395854)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=180; FP-POS=3			280 Secs (280 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

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

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

Orbit Structure