13119 - COS FUV Spectroscopic Sensitivity Monitoring

Cycle: 20, Proposal Category: CAL/COS

(Calibration)

(Availability Mode: RESTRICTED)

INVESTIGATORS

Name	*Institution*	*E-Mail*
Ms. Azalee K. Bostroem (PI) (Contact)	**Space Telescope Science Institute**	**bostroem@stsci.edu**
Dr. Rachel A. Osten (CoI)	Space Telescope Science Institute	osten@stsci.edu
Dr. Charles R. Proffitt (CoI)	Computer Sciences Corporation	proffitt@stsci.edu

VISITS

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
01	(6) GD71 DARK	COS/FUV COS/NUV S/C	1	02-Apr-2013 21:30:44.0	yes
02	(6) GD71 DARK	COS/FUV COS/NUV S/C	1	02-Apr-2013 21:30:53.0	yes
03	(6) GD71 DARK	COS/FUV COS/NUV S/C	1	02-Apr-2013 21:31:02.0	yes
04	(6) GD71 DARK	COS/FUV COS/NUV S/C	1	02-Apr-2013 21:31:09.0	yes

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
05	(6) GD71 DARK	COS/FUV COS/NUV S/C	1	02-Apr-2013 21:31:17.0	yes
06	(6) GD71 DARK	COS/FUV COS/NUV S/C	1	02-Apr-2013 21:31:24.0	yes
07	(6) GD71 DARK WAVE	COS/FUV COS/NUV S/C	1	02-Apr-2013 21:31:32.0	yes
08	(6) GD71 DARK WAVE	COS/FUV COS/NUV S/C	1	02-Apr-2013 21:31:40.0	yes
09	(6) GD71 DARK WAVE	COS/FUV COS/NUV S/C	1	02-Apr-2013 21:31:48.0	yes
30	(1) WD0308-565 DARK	COS/FUV COS/NUV S/C	2	02-Apr-2013 21:32:00.0	yes
31	(1) WD0308-565 DARK	COS/FUV COS/NUV S/C	2	02-Apr-2013 21:32:14.0	yes
32	(1) WD0308-565 DARK	COS/FUV COS/NUV S/C	2	02-Apr-2013 21:32:28.0	yes
33	(1) WD0308-565 DARK	COS/FUV COS/NUV S/C	2	02-Apr-2013 21:32:41.0	yes

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
34	(1) WD0308-565 DARK	COS/FUV COS/NUV S/C	2	02-Apr-2013 21:32:58.0	yes
35	(1) WD0308-565 DARK	COS/FUV COS/NUV S/C	2	02-Apr-2013 21:33:11.0	yes
36	(1) WD0308-565 DARK	COS/FUV COS/NUV S/C	2	02-Apr-2013 21:33:24.0	yes
37	(1) WD0308-565 DARK	COS/FUV COS/NUV S/C	2	02-Apr-2013 21:33:37.0	yes
38	(1) WD0308-565 DARK	COS/FUV COS/NUV S/C	2	02-Apr-2013 21:33:50.0	yes
39	(1) WD0308-565 DARK	COS/FUV COS/NUV S/C	2	02-Apr-2013 21:34:03.0	yes
40	(1) WD0308-565 DARK	COS/FUV COS/NUV S/C	2	02-Apr-2013 21:34:16.0	yes
41	(1) WD0308-565 DARK	COS/FUV COS/NUV S/C	2	02-Apr-2013 21:34:33.0	yes

33 Total Orbits Used

ABSTRACT

The goals of this program are:

The main goal is to 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.

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 13119, GD71 (01), completed Wed Apr 03 01:34:43 GMT 2013

Diagnostic Status: Warning

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

Special Requirements: SCHED 100%; BETWEEN 11-NOV-2012:00:00:00 AND 18-NOV-2012:00:00:00

Comments: SQL is required.

Diagnostics

(GD71 (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

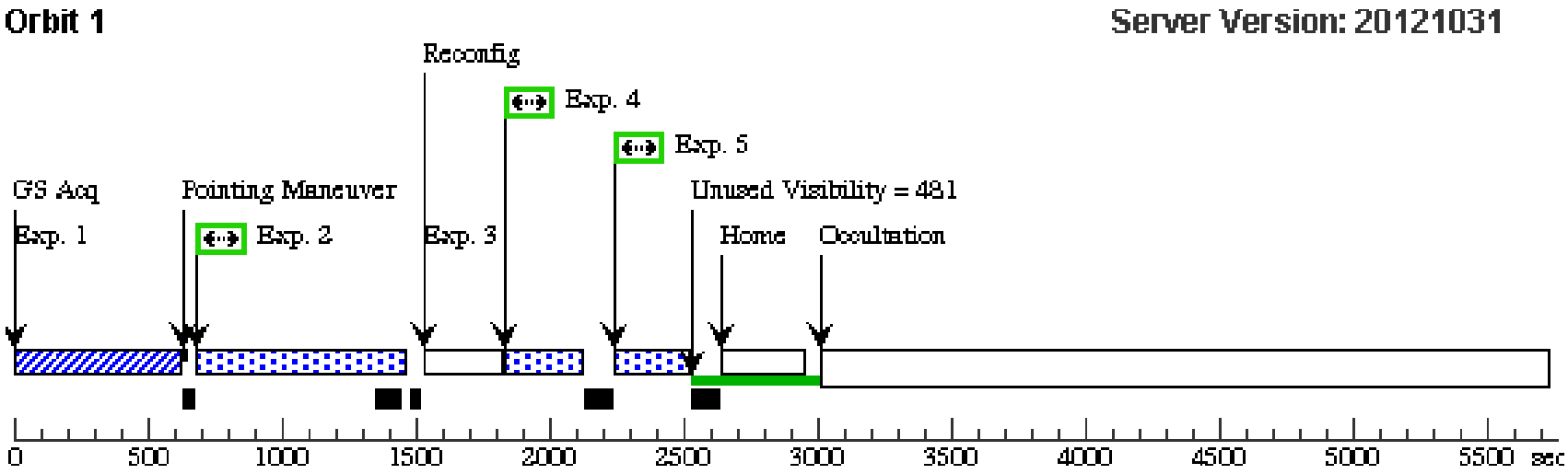
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(6)	GD71	RA: 05 52 27.6100 (88.1150417d)	Proper Motion RA: 85 mas/yr	V=13.06+/-0.01	Reference Frame: ICRS
		Dec: +15 53 13.80 (15.88717d)	Proper Motion Dec: -174 mas/yr		
		Equinox: J2000	Epoch of Position: 2000		

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/[Actual Dur.]	Orbit
1	ACQ/IM (404797)	(6) GD71	COS/NUV, ACQ/IMAGE, BOA	MIRRORB		QASISTATES COS FUV HVSEGB HVS EGB		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* *The FUV qasistate s.r. and the noted SQL will eliminate the reconfig between exps 1 and 2.* *SQL is required for the dump created by this exposure. The FUV state should be changed to HVSEGB.*								
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 *[==>]*	***[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]***
	Comments: Work-around to efficiently schedule the SEG-B to SEG-A reconfiguration. Eliminates SPSS induced gaps.								
4	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 *[==>]*	***[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*								
5	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 *[==>]*	***[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 13119, GD71 (02), completed Wed Apr 03 01:34:45 GMT 2013

Diagnostic Status: Warning

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

Special Requirements: SCHED 100%; BETWEEN 09-DEC-2012:00:00:00 AND 16-DEC-2012:00:00:00

Diagnostics

(GD71 (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.

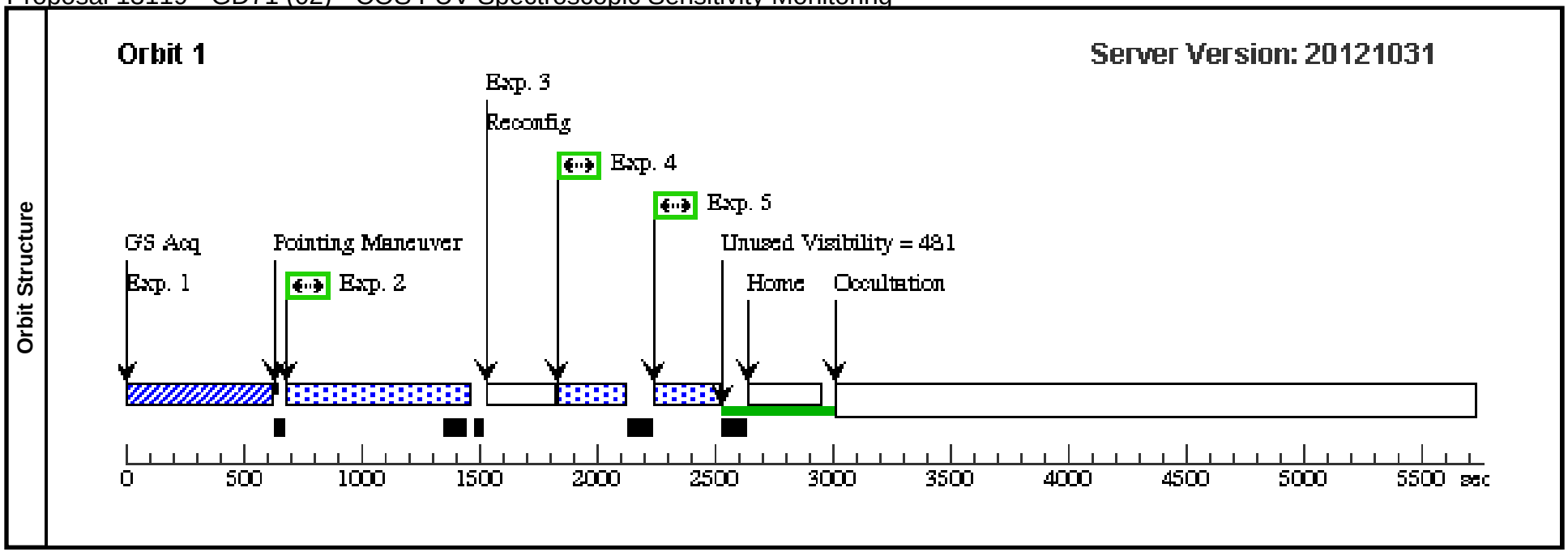
Fixed Targets

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

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/[Actual Dur.]	Orbit
1	ACQ/IM (404797)	(6) GD71	COS/NUV, ACQ/IMAGE, BOA	MIRRORB				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 *[==>]*	*[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]*
	Comments: Work-around to efficiently schedule the SEG-B to SEG-A reconfiguration. Eliminates SPSS induced gaps.								
4	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 *[==>]*	*[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*								
5	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 *[==>]*	*[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
Orbit 1
Server Version: 20121031
Exp. 3
Reconfig
Exp. 4
Exp. 5
GS Acq
Exp. 1
Pointing Maneuver
Exp. 2
Unused Visibility = 481
Home
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 13119, GD71 (03), completed Wed Apr 03 01:34:46 GMT 2013

Diagnostic Status: Warning

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

Special Requirements: SCHED 100%; BETWEEN 13-JAN-2013:00:00:00 AND 20-JAN-2013:00:00:00

Diagnostics

(GD71 (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

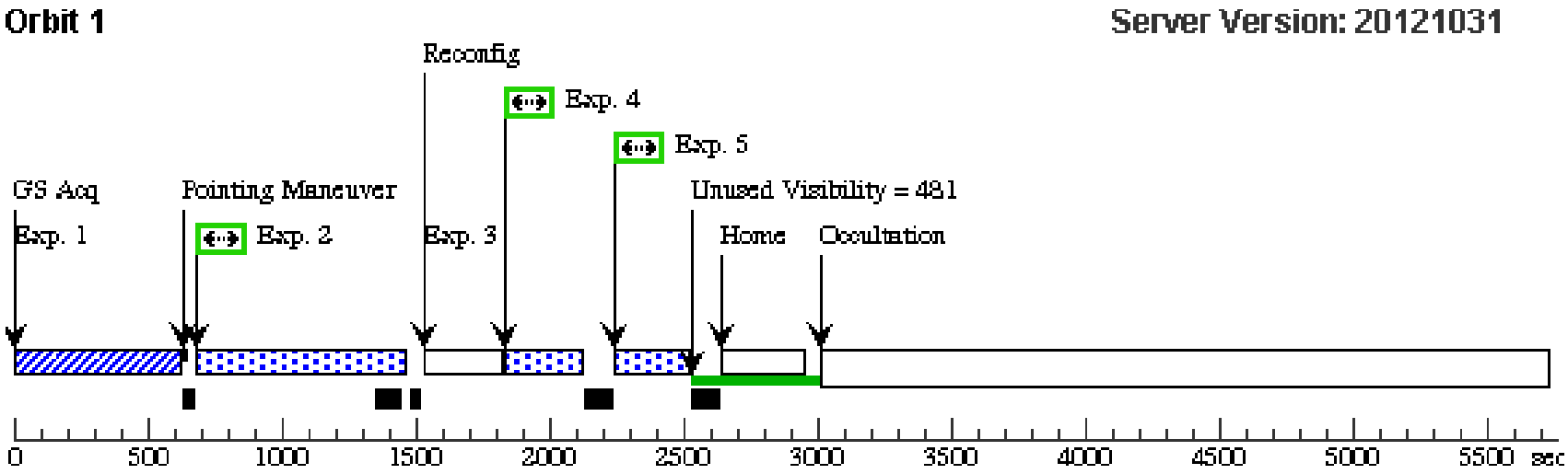
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(6)	GD71	RA: 05 52 27.6100 (88.1150417d) Dec: +15 53 13.80 (15.88717d) Equinox: J2000	Proper Motion RA: 85 mas/yr Proper Motion Dec: -174 mas/yr Epoch of Position: 2000	V=13.06+/-0.01	Reference Frame: ICRS

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/[Actual Dur.]	Orbit
1	ACQ/IM (404797)	(6) GD71	COS/NUV, ACQ/IMAGE, BOA	MIRRORB				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 *[==>]*	*[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]*
	Comments: Work-around to efficiently schedule the SEG-B to SEG-A reconfiguration. Eliminates SPSS induced gaps.								
4	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 *[==>]*	*[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*								
5	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 *[==>]*	*[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 13119, GD71 (04), completed Wed Apr 03 01:34:50 GMT 2013

Diagnostic Status: Warning

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

Special Requirements: SCHED 100%; BETWEEN 10-FEB-2013:00:00:00 AND 17-FEB-2013:00:00:00

Diagnostics

(GD71 (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.

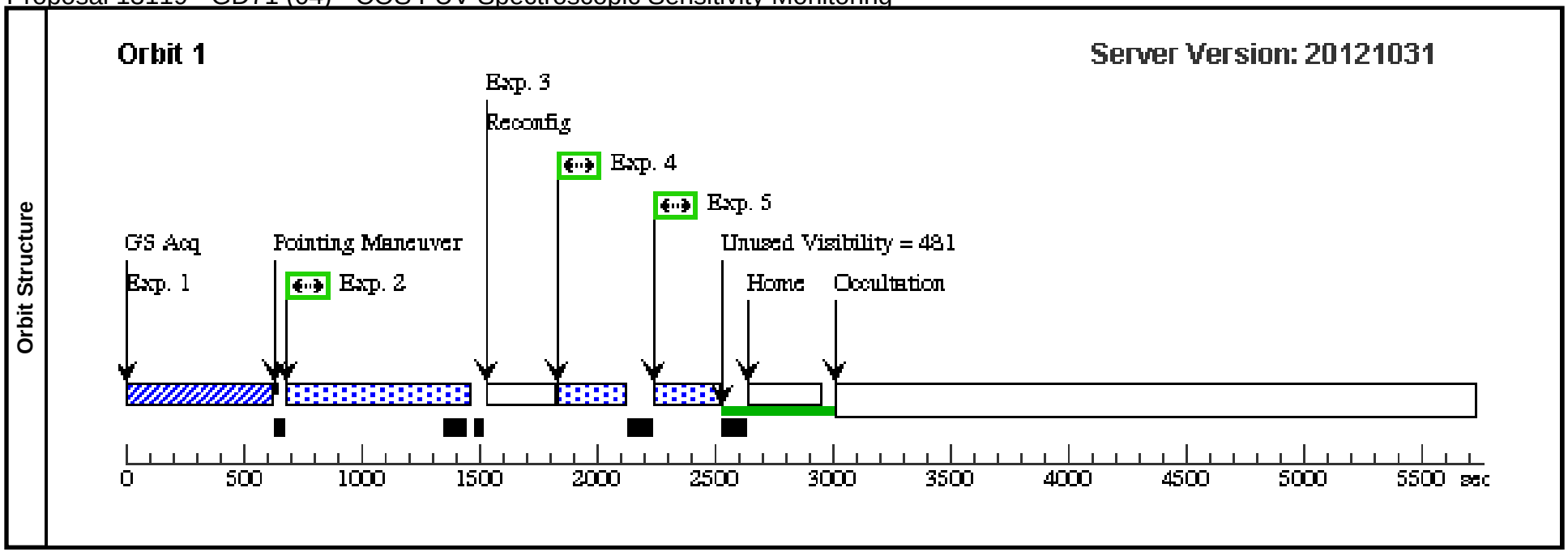
Fixed Targets

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

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/[Actual Dur.]	Orbit
1	ACQ/IM (404797)	(6) GD71	COS/NUV, ACQ/IMAGE, BOA	MIRRORB				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 *[==>]*	*[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]*
	Comments: Work-around to efficiently schedule the SEG-B to SEG-A reconfiguration. Eliminates SPSS induced gaps.								
4	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 *[==>]*	*[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*								
5	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 *[==>]*	*[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
Orbit 1
Server Version: 20121031
Exp. 3
Reconfig
Exp. 4
Exp. 5
GS Acq
Exp. 1
Pointing Maneuver
Exp. 2
Unused Visibility = 481
Home
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 13119, GD71 (05), completed Wed Apr 03 01:34:51 GMT 2013

Diagnostic Status: Warning

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

Special Requirements: SCHED 100%; BETWEEN 10-MAR-2013:00:00:00 AND 17-MAR-2013:00:00:00

Diagnostics

(GD71 (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.

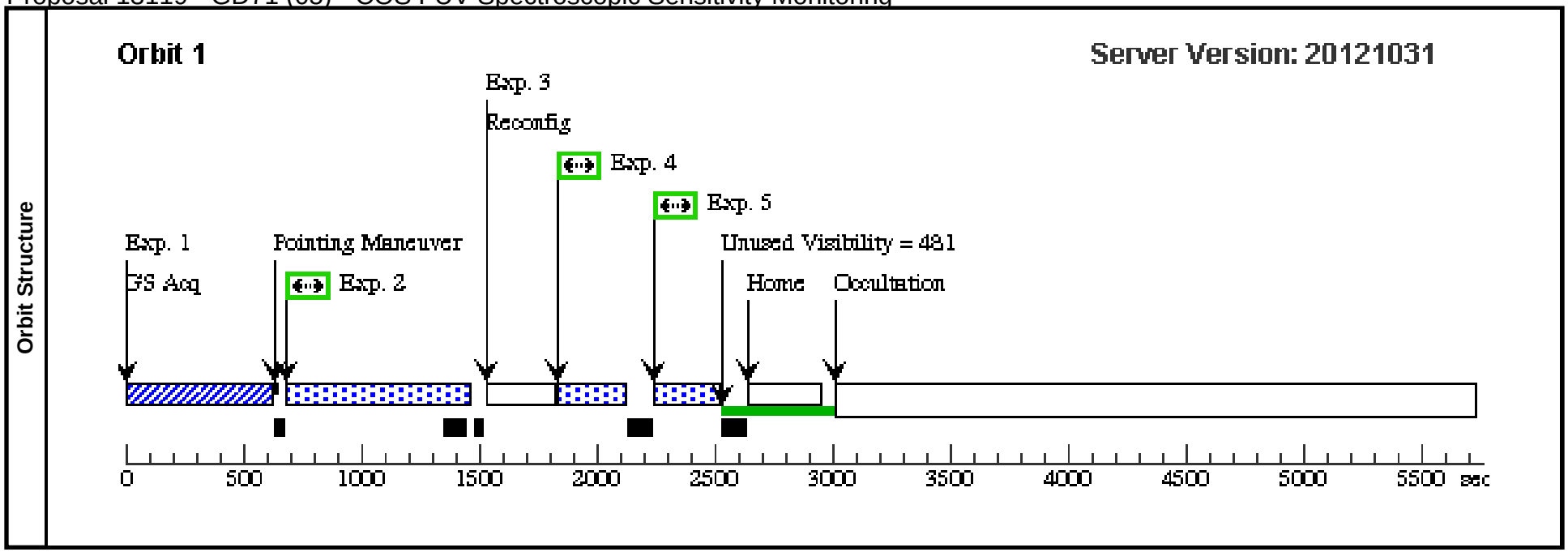
Fixed Targets

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

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/[Actual Dur.]	Orbit
1	ACQ/IM (404797)	(6) GD71	COS/NUV, ACQ/IMAGE, BOA	MIRRORB				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 *[==>]*	*[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]*
	Comments: Work-around to efficiently schedule the SEG-B to SEG-A reconfiguration. Eliminates SPSS induced gaps.								
4	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 *[==>]*	*[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*								
5	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 *[==>]*	*[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
Orbit 1
Server Version: 20121031
Exp. 3
Reconfig
Exp. 4
Exp. 5
Exp. 1
Pointing Maneuver
Unused Visibility = 481
FGS Acq
Exp. 2
Home
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 13119, GD71 (06), scheduled Wed Apr 03 01:34:52 GMT 2013

Diagnostic Status: Warning

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

Special Requirements: SCHED 100%; BETWEEN 14-APR-2013:00:00:00 AND 21-APR-2013:00:00:00

Diagnostics

(GD71 (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.

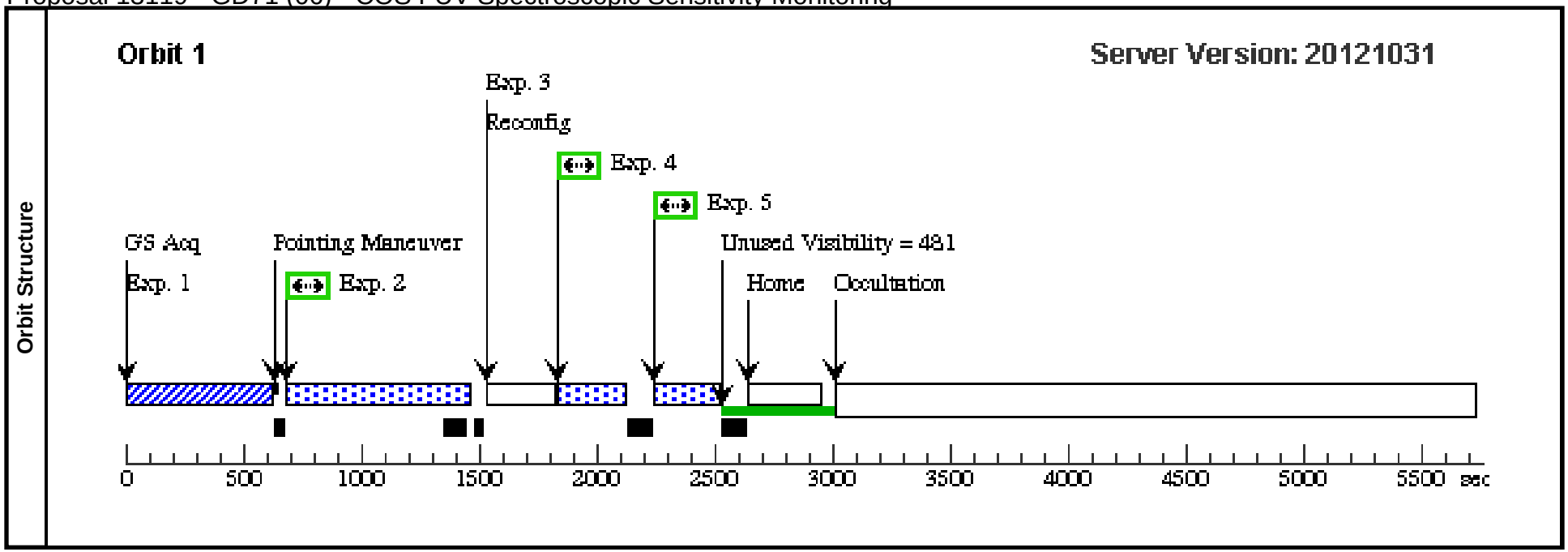
Fixed Targets

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

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/[Actual Dur.]	Orbit
1	ACQ/IM (404797)	(6) GD71	COS/NUV, ACQ/IMAGE, BOA	MIRRORB				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 *[==>]*	*[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]*
	Comments: Work-around to efficiently schedule the SEG-B to SEG-A reconfiguration. Eliminates SPSS induced gaps.								
4	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 *[==>]*	*[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*								
5	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 *[==>]*	*[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
Orbit 1
Server Version: 20121031
Exp. 3
Reconfig
Exp. 4
Exp. 5
GS Acq
Exp. 1
Pointing Maneuver
Exp. 2
Unused Visibility = 481
Home
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 13119, GD71 (07), scheduling Wed Apr 03 01:34:53 GMT 2013

Diagnostic Status: Warning

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

Special Requirements: SCHED 100%; BETWEEN 11-AUG-2013:00:00:00 AND 18-AUG-2013:00:00:00

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

Diagnostics

(GD71 (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

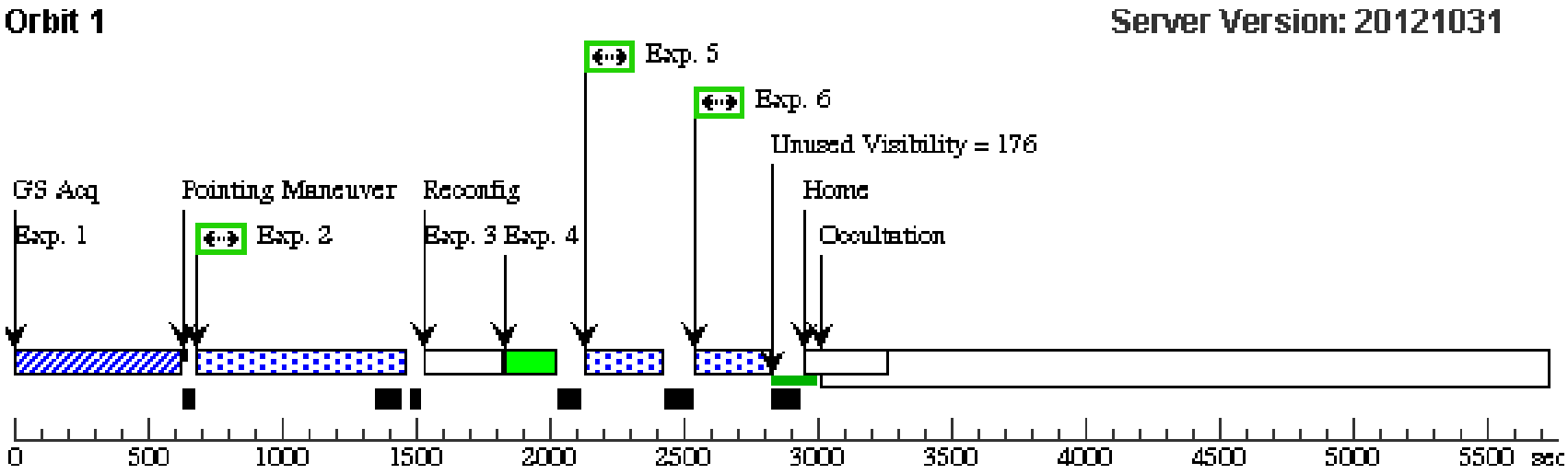
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(6)	GD71	RA: 05 52 27.6100 (88.1150417d)	Proper Motion RA: 85 mas/yr	V=13.06+/-0.01	Reference Frame: ICRS
		Dec: +15 53 13.80 (15.88717d)	Proper Motion Dec: -174 mas/yr		
		Equinox: J2000	Epoch of Position: 2000		

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/[Actual Dur.]	Orbit
1	ACQ/IM (404797)	(6) GD71	COS/NUV, ACQ/IMAGE, BOA	MIRRORB				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 *[==>]*	 ***[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]***
	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 *[==>]*	 ***[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 *[==>]*	 ***[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 *[==>]*	 ***[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 13119, GD71 (08), scheduling Wed Apr 03 01:34:54 GMT 2013

Diagnostic Status: Warning

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

Special Requirements: SCHED 100%; BETWEEN 15-SEP-2013:00:00:00 AND 22-SEP-2013:00:00:00

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

Diagnostics

(GD71 (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

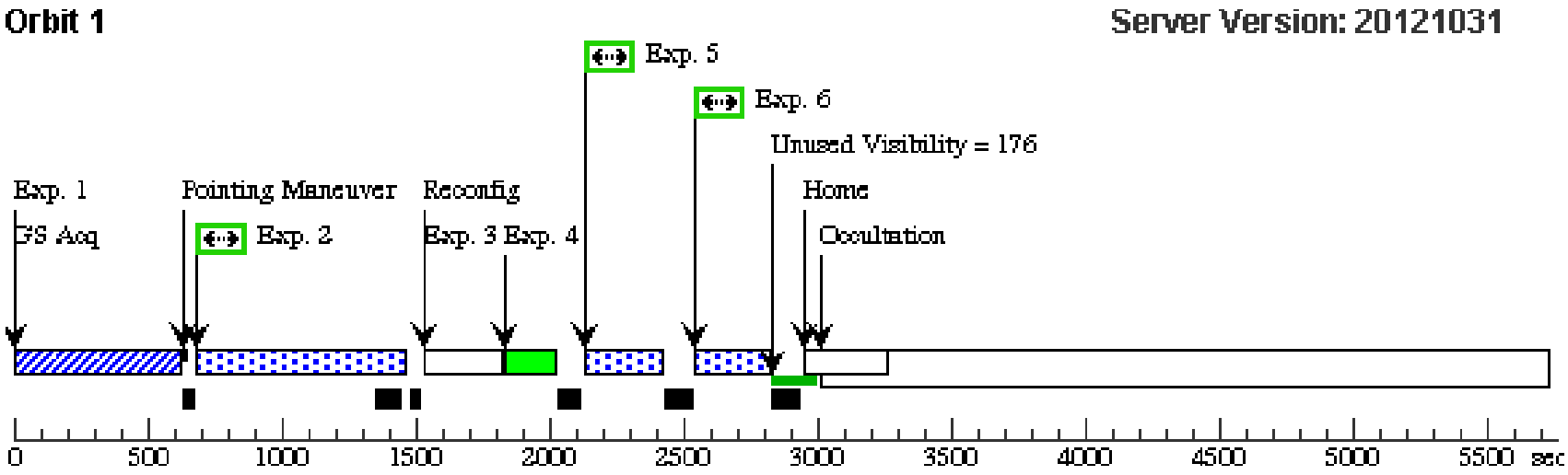
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(6)	GD71	RA: 05 52 27.6100 (88.1150417d)	Proper Motion RA: 85 mas/yr	V=13.06+/-0.01	Reference Frame: ICRS
		Dec: +15 53 13.80 (15.88717d)	Proper Motion Dec: -174 mas/yr		
		Equinox: J2000	Epoch of Position: 2000		

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/[Actual Dur.]	Orbit
1	ACQ/IM (404797)	(6) GD71	COS/NUV, ACQ/IMAGE, BOA	MIRRORB				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 *[==>]*	 ***[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]***
	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 *[==>]*	 ***[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 *[==>]*	 ***[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 *[==>]*	 ***[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 13119, GD71 (09), scheduling Wed Apr 03 01:34:55 GMT 2013

Diagnostic Status: Warning

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

Special Requirements: SCHED 100%; BETWEEN 13-OCT-2013:00:00:00 AND 20-OCT-2013:00:00:00

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

Diagnostics

(GD71 (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

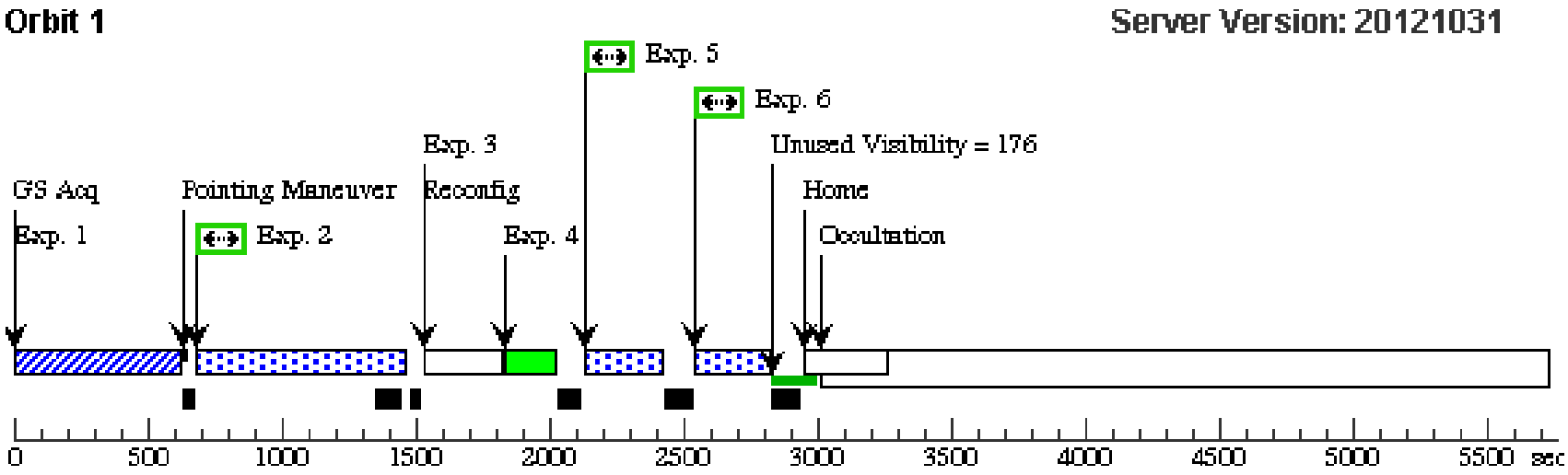
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(6)	GD71	RA: 05 52 27.6100 (88.1150417d)	Proper Motion RA: 85 mas/yr	V=13.06+/-0.01	Reference Frame: ICRS
		Dec: +15 53 13.80 (15.88717d)	Proper Motion Dec: -174 mas/yr		
		Equinox: J2000	Epoch of Position: 2000		

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/[Actual Dur.]	Orbit
1	ACQ/IM (404797)	(6) GD71	COS/NUV, ACQ/IMAGE, BOA	MIRRORB				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 *[==>]*	 ***[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]***
	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 *[==>]*	 ***[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 *[==>]*	 ***[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 *[==>]*	 ***[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 13119, WD0308 (30), completed Wed Apr 03 01:34:56 GMT 2013

Diagnostic Status: Warning

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

Special Requirements: SCHED 100%; BETWEEN 18-NOV-2012:00:00:00 AND 25-NOV-2012:00:00:00

Diagnostics

(WD0308 (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
(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

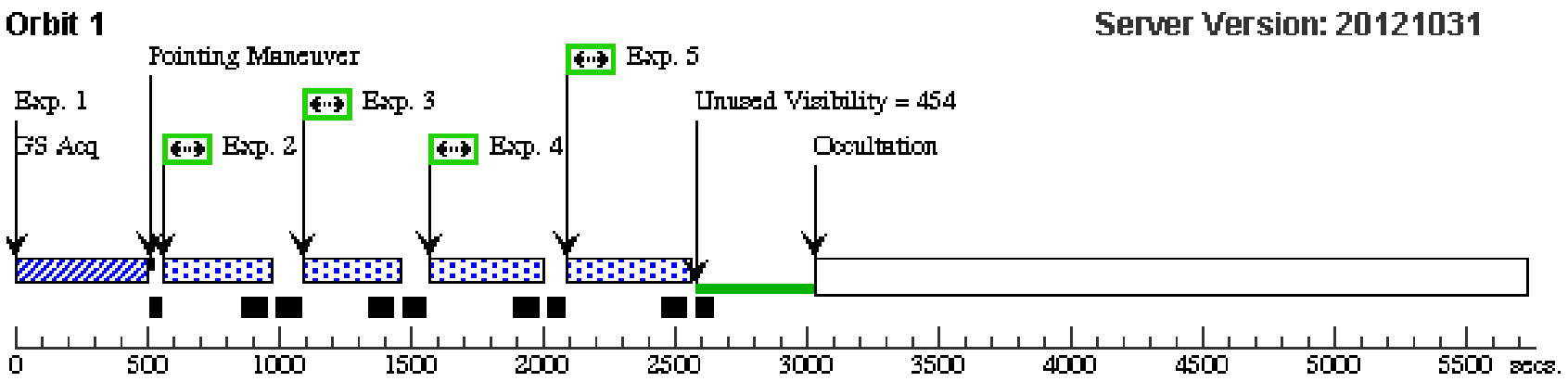
Exposures

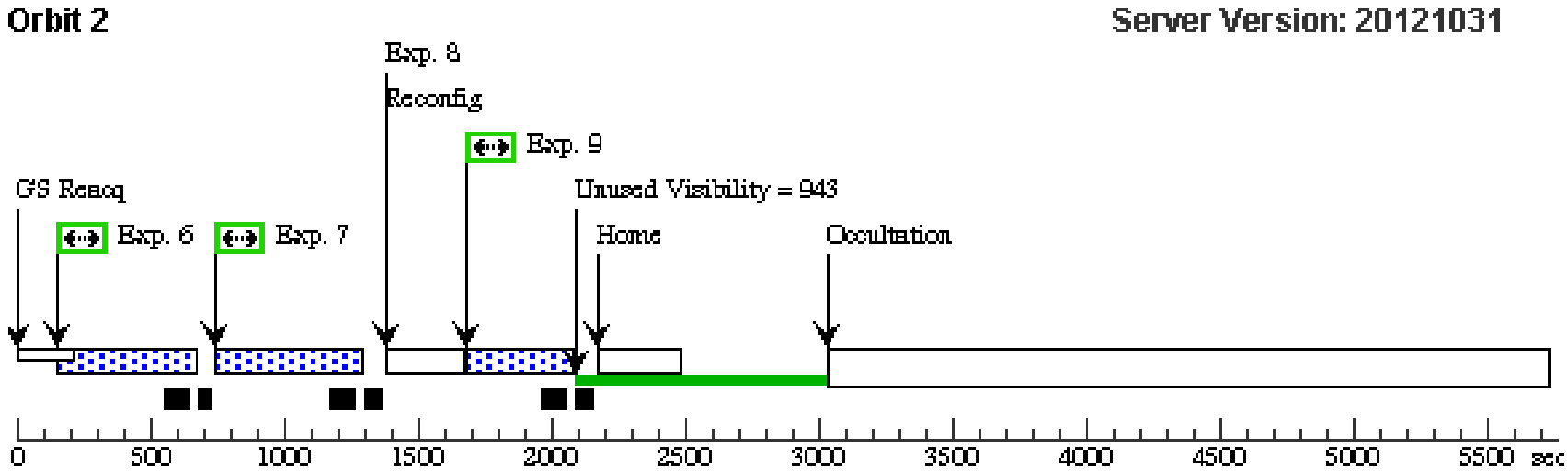
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	ACQ/IM (396029)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA		GS ACQ SCENARIO BASE1B3		45 Secs *[==>]*	*[1]*
2	G130M/1222 (COS.sp.395840)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1222 A	BUFFER-TIME=126; FP-POS=3			226 Secs *[==>]*	*[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 *[==>]*	*[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 *[==>]*	*[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	G160M/1577 (395846)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=3; BUFFER-TIME=190			290 Secs *[==>]*	*[1]*
	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*								
6	G160M/1623 (395848)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1623 A	FP-POS=3; BUFFER-TIME=300			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*								
7	G140L/1230 (COS.sp.395854)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=180; FP-POS=3			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*								
8		DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVLOW		1 Secs *[==>]*	*[2]*
	Comments: Work-around to efficiently schedule the reconfiguration to SEG-A. Eliminates SPSS induced gaps.								

9	G140L/1105 /FUVA (OS.sp.395853)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L 1105 A	BUFFER-TIME=180; FP-POS=3; SEGMENT=A	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





Proposal 13119 - WD0308 (31) - COS FUV Spectroscopic Sensitivity Monitoring

Visit

Proposal 13119, WD0308 (31), completed Wed Apr 03 01:34:58 GMT 2013

Diagnostic Status: Warning

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

Special Requirements: SCHED 100%; BETWEEN 09-DEC-2012:00:00:00 AND 16-DEC-2012:00:00:00

Diagnostics

(WD0308 (31)) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.

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

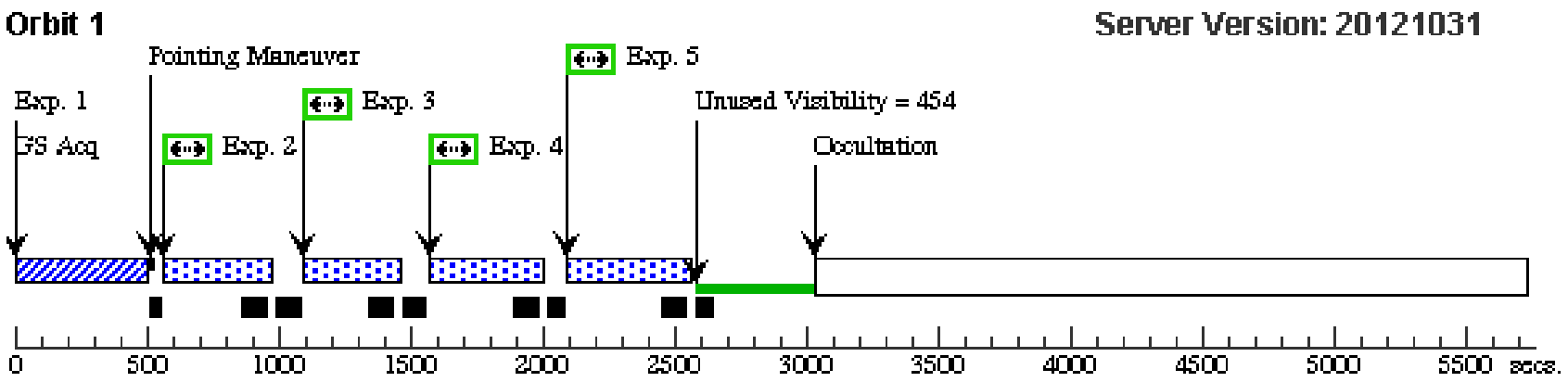
Exposures

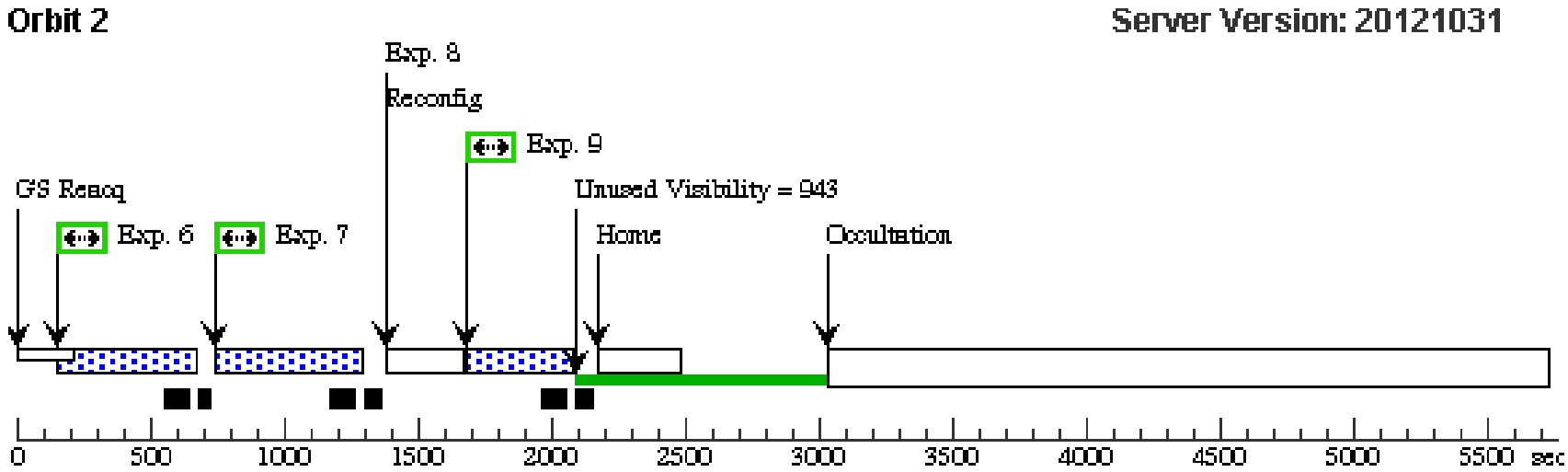
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	ACQ/IM (396029)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				45 Secs *[==>]*	*[1]*
2	G130M/1222 (COS.sp.395840)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1222 A	BUFFER-TIME=126; FP-POS=3			226 Secs *[==>]*	*[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 *[==>]*	*[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 *[==>]*	*[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	G160M/1577 (395846)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=3; BUFFER-TIME=190			290 Secs *[==>]*	*[1]*
	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*								
6	G160M/1623 (395848)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1623 A	FP-POS=3; BUFFER-TIME=300			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*								
7	G140L/1230 (COS.sp.395854)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=180; FP-POS=3			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*								
8		DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVLOW		1 Secs *[==>]*	*[2]*
	Comments: Work-around to efficiently schedule the reconfiguration to SEG-A. Eliminates SPSS induced gaps.								

9	G140L/1105 /FUVA (OS.sp.3958 53)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L 1105 A	BUFFER-TIME=180; FP-POS=3; SEGMENT=A	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





Proposal 13119 - WD0308 (32) - COS FUV Spectroscopic Sensitivity Monitoring

Visit

Proposal 13119, WD0308 (32), completed Wed Apr 03 01:34:59 GMT 2013

Diagnostic Status: Warning

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

Special Requirements: SCHED 100%; BETWEEN 13-JAN-2013:00:00:00 AND 20-JAN-2013:00:00:00

Diagnostics

(WD0308 (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
(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

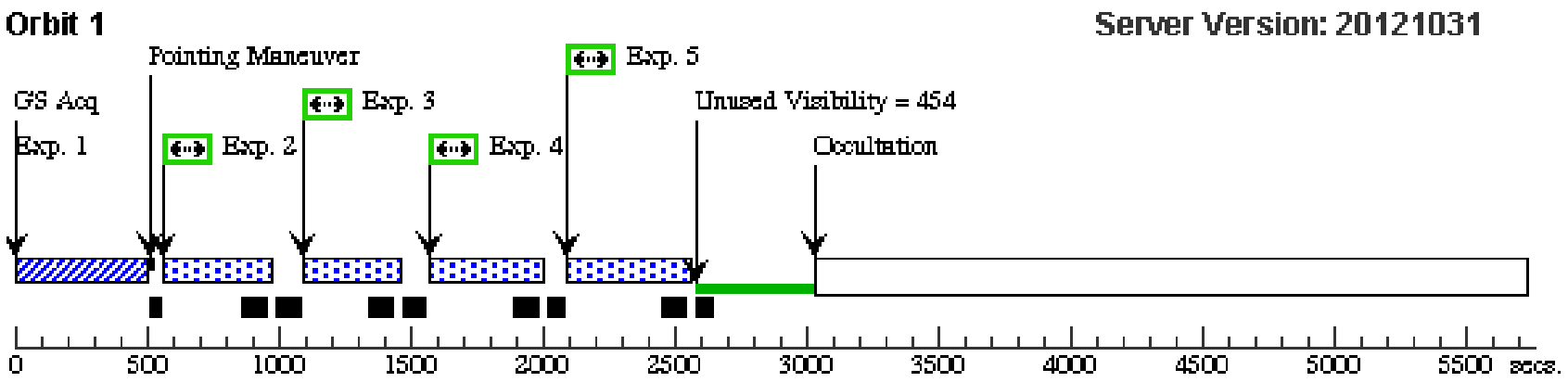
Exposures

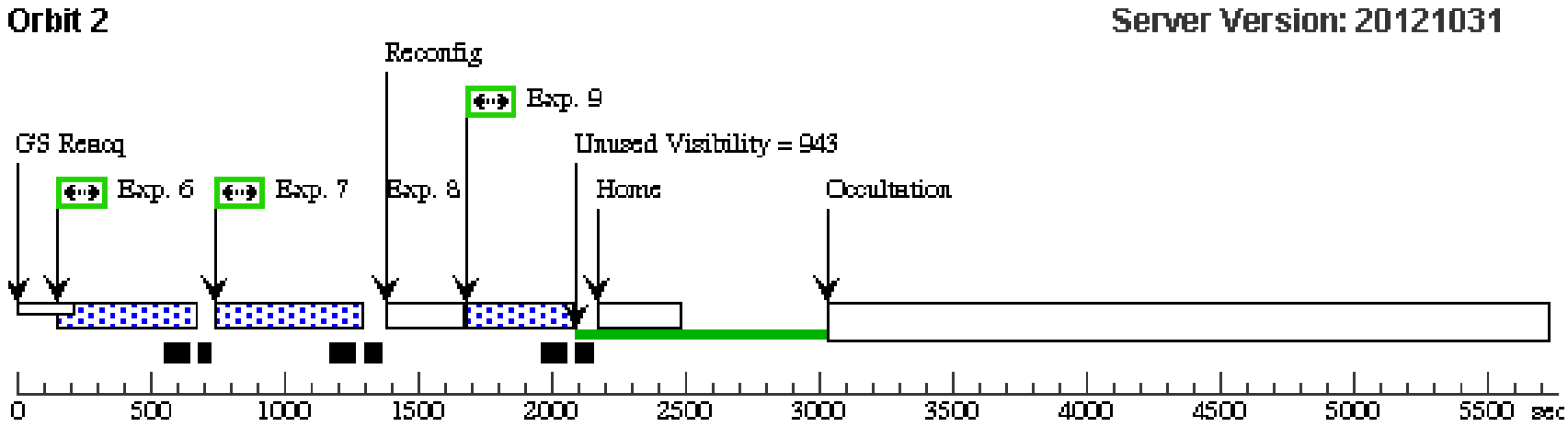
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	ACQ/IM (396029)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				45 Secs *[==>]*	*[1]*
2	G130M/1222 (COS.sp.395840)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1222 A	BUFFER-TIME=126; FP-POS=3			226 Secs *[==>]*	*[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 *[==>]*	*[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 *[==>]*	*[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	G160M/1577 (395846)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=3; BUFFER-TIME=190			290 Secs *[==>]*	*[1]*
	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*								
6	G160M/1623 (395848)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1623 A	FP-POS=3; BUFFER-TIME=300			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*								
7	G140L/1230 (COS.sp.395854)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=180; FP-POS=3			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*								
8		DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVLOW		1 Secs *[==>]*	*[2]*
	Comments: Work-around to efficiently schedule the reconfiguration to SEG-A. Eliminates SPSS induced gaps.								

9	G140L/1105 /FUVA (OS.sp.3958 53)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L 1105 A	BUFFER-TIME=180; FP-POS=3; SEGMENT=A	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





Proposal 13119 - WD0308 (33) - COS FUV Spectroscopic Sensitivity Monitoring

Visit

Proposal 13119, WD0308 (33), completed Wed Apr 03 01:35:01 GMT 2013

Diagnostic Status: Warning

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

Special Requirements: SCHED 100%; BETWEEN 10-FEB-2013:00:00:00 AND 17-FEB-2013:00:00:00

Diagnostics

(WD0308 (33)) 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

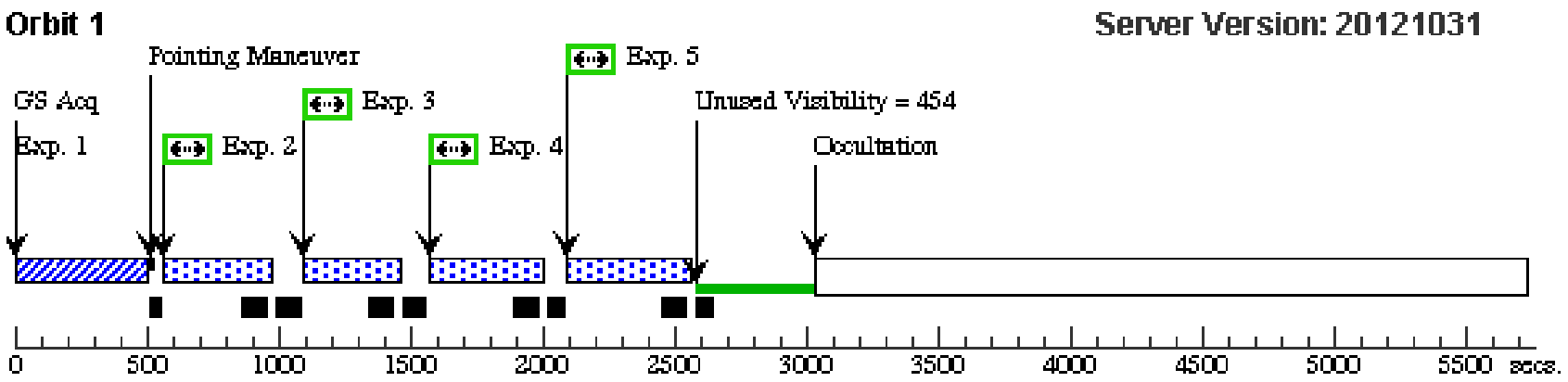
Exposures

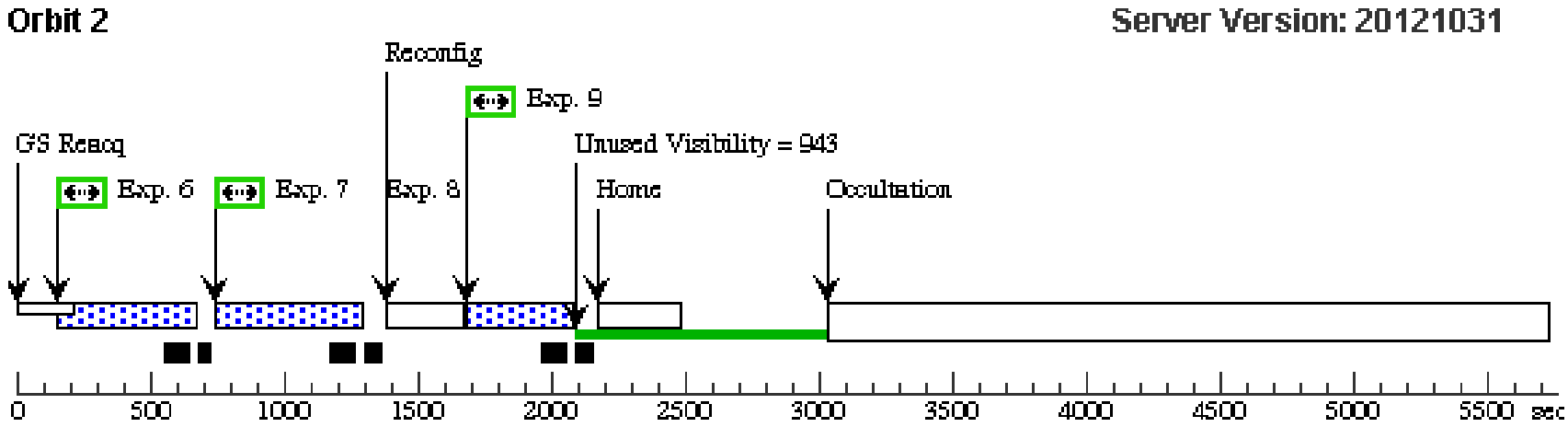
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	ACQ/IM (396029)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				45 Secs *[==>]*	*[1]*
2	G130M/1222 (COS.sp.395840)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1222 A	BUFFER-TIME=126; FP-POS=3			226 Secs *[==>]*	*[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 *[==>]*	*[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 *[==>]*	*[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	G160M/1577 (395846)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=3; BUFFER-TIME=190			290 Secs *[==>]*	*[1]*
	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*								
6	G160M/1623 (395848)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1623 A	FP-POS=3; BUFFER-TIME=300			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*								
7	G140L/1230 (COS.sp.395854)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=180; FP-POS=3			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*								
8		DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVLOW		1 Secs *[==>]*	*[2]*
	Comments: Work-around to efficiently schedule the reconfiguration to SEG-A. Eliminates SPSS induced gaps.								

9	G140L/1105 /FUVA (OS.sp.3958 53)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L 1105 A	BUFFER-TIME=180; FP-POS=3; SEGMENT=A	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 13119, WD0308 (34), completed Wed Apr 03 01:35:03 GMT 2013

Diagnostic Status: Warning

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

Special Requirements: SCHED 100%; BETWEEN 10-MAR-2013:00:00:00 AND 17-MAR-2013:00:00:00

Diagnostics

(WD0308 (34)) 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

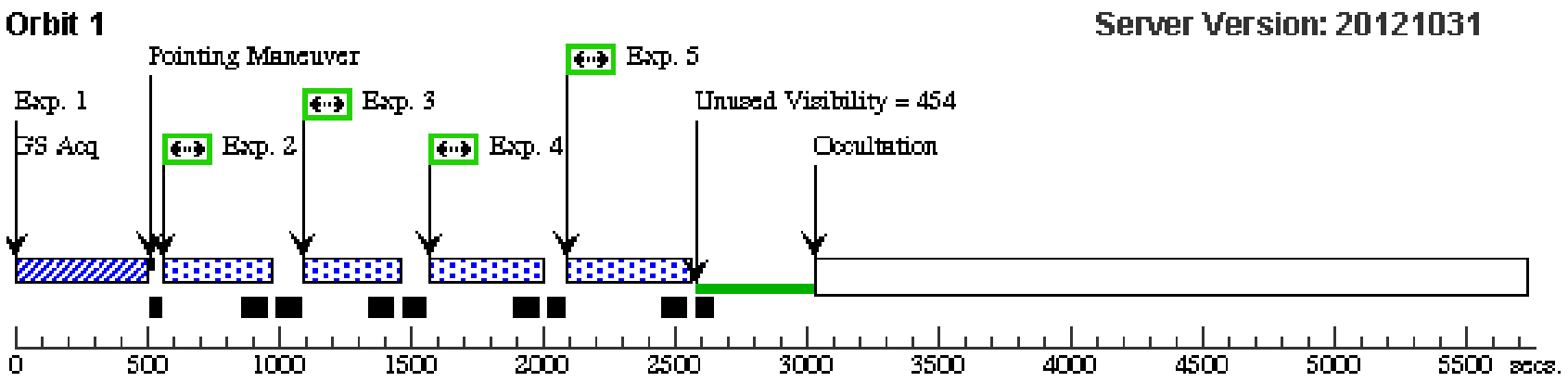
Exposures

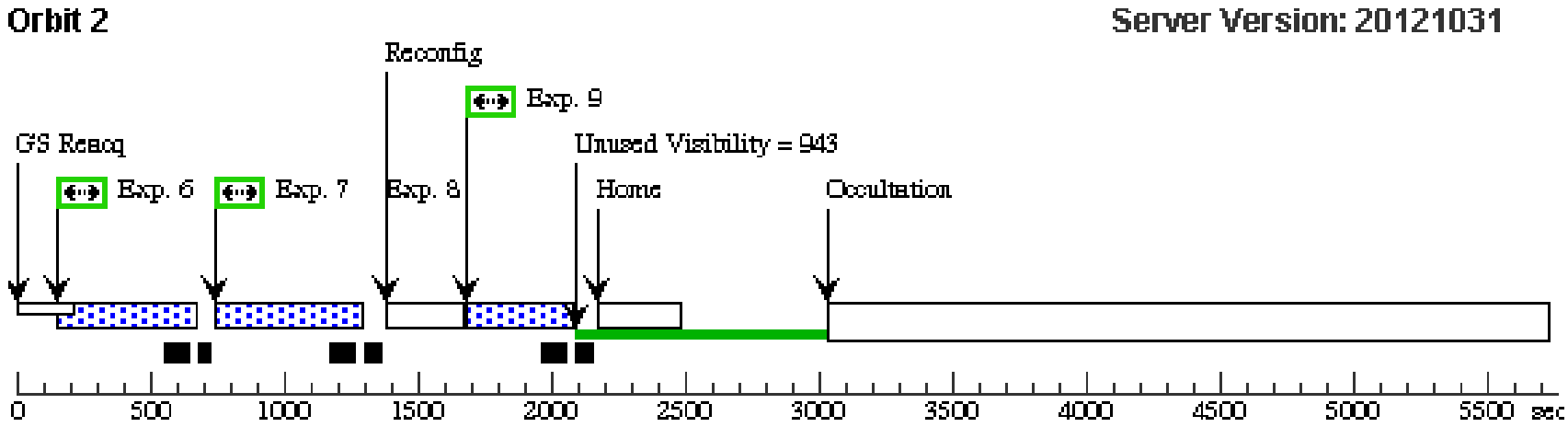
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	ACQ/IM (396029)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				45 Secs *[==>]*	*[1]*
2	G130M/1222 (COS.sp.395840)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1222 A	BUFFER-TIME=126; FP-POS=3			226 Secs *[==>]*	*[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 *[==>]*	*[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 *[==>]*	*[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	G160M/1577 (395846)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=3; BUFFER-TIME=190			290 Secs *[==>]*	*[1]*
	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*								
6	G160M/1623 (395848)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1623 A	FP-POS=3; BUFFER-TIME=300			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*								
7	G140L/1230 (COS.sp.395854)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=180; FP-POS=3			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*								
8		DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVLOW		1 Secs *[==>]*	*[2]*
	Comments: Work-around to efficiently schedule the reconfiguration to SEG-A. Eliminates SPSS induced gaps.								

9	G140L/1105 /FUVA (OS.sp.3958 53)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L 1105 A	BUFFER-TIME=180; FP-POS=3; SEGMENT=A	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





Proposal 13119 - WD0308 (35) - COS FUV Spectroscopic Sensitivity Monitoring

Visit

Proposal 13119, WD0308 (35), scheduling Wed Apr 03 01:35:05 GMT 2013

Diagnostic Status: Warning

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

Special Requirements: SCHED 100%; BETWEEN 14-APR-2013:00:00:00 AND 21-APR-2013:00:00:00

Diagnostics

(WD0308 (35)) 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

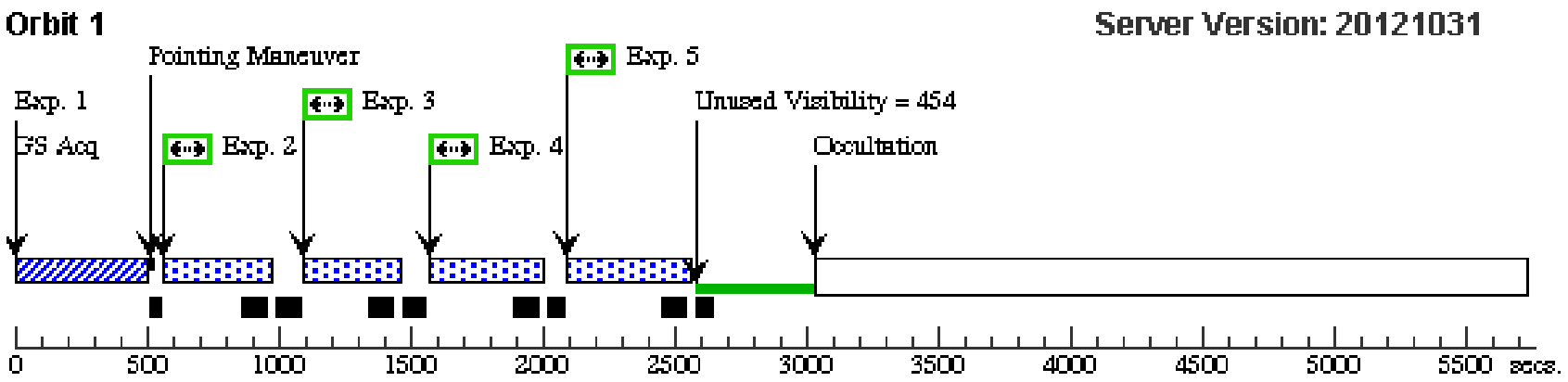
Exposures

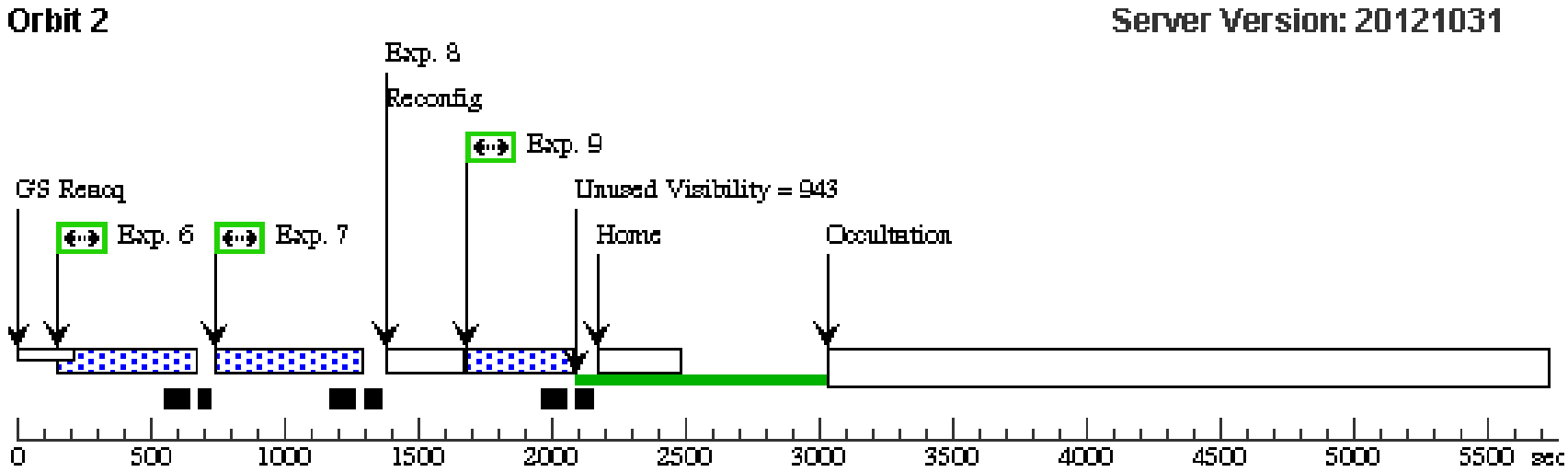
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	ACQ/IM (396029)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				45 Secs *[==>]*	 ***[1]***
2	G130M/1222 (COS.sp.395840)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1222 A	BUFFER-TIME=126; FP-POS=3			226 Secs *[==>]*	 ***[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 *[==>]*	 ***[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 *[==>]*	 ***[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	G160M/1577 (395846)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=3; BUFFER-TIME=190			290 Secs *[==>]*	 ***[1]***
	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*								
6	G160M/1623 (395848)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1623 A	FP-POS=3; BUFFER-TIME=300			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*								
7	G140L/1230 (COS.sp.395854)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=180; FP-POS=3			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*								
8		DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVLOW		1 Secs *[==>]*	 ***[2]***
	Comments: Work-around to efficiently schedule the reconfiguration to SEG-A. Eliminates SPSS induced gaps.								

9	G140L/1105 /FUVA (OS.sp.3958 53)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L 1105 A	BUFFER-TIME=180; FP-POS=3; SEGMENT=A	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 13119, WD0308 (36), scheduling Wed Apr 03 01:35:06 GMT 2013

Diagnostic Status: Warning

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

Special Requirements: SCHED 100%; BETWEEN 12-MAY-2013:00:00:00 AND 19-MAY-2013:00:00:00

Diagnostics

(WD0308 (36)) 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

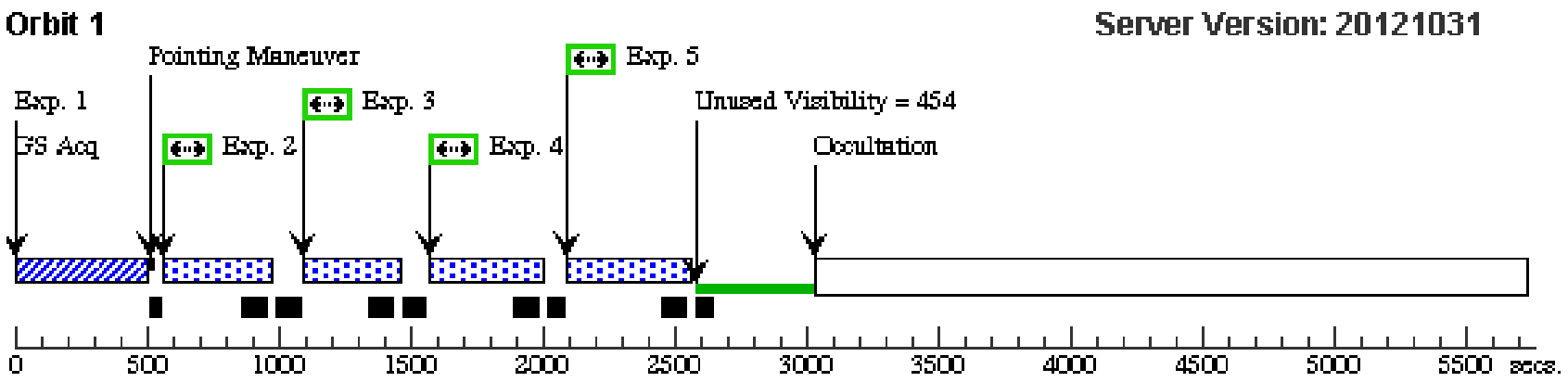
Exposures

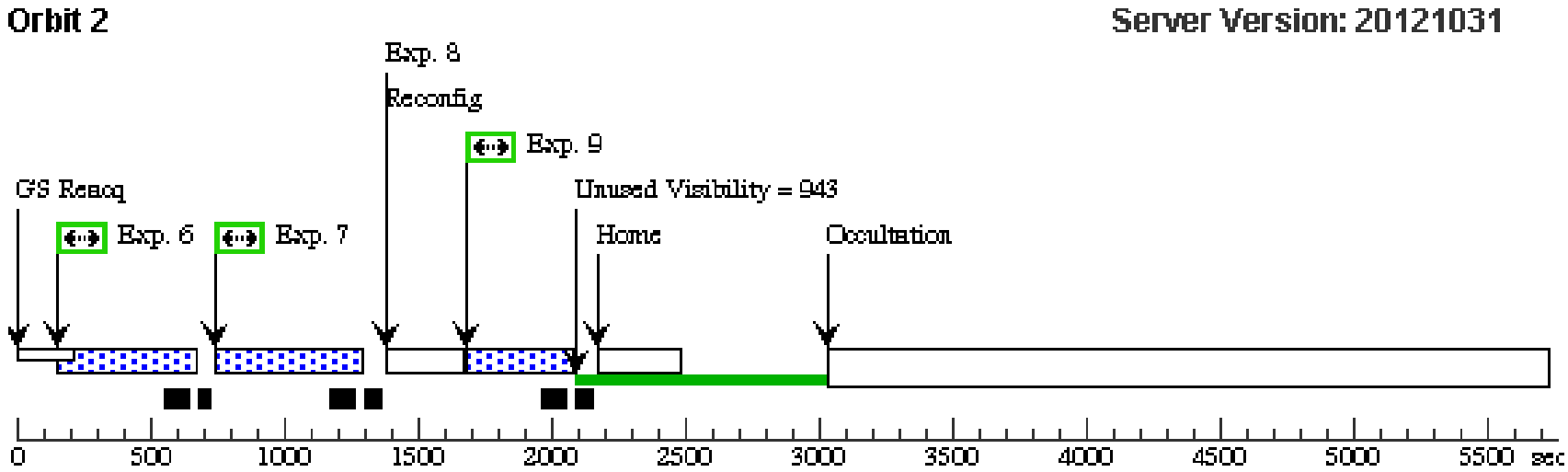
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	ACQ/IM (396029)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				45 Secs *[==>]*	*[1]*
2	G130M/1222 (COS.sp.395840)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1222 A	BUFFER-TIME=126; FP-POS=3			226 Secs *[==>]*	*[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 *[==>]*	*[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 *[==>]*	*[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	G160M/1577 (395846)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=3; BUFFER-TIME=190			290 Secs *[==>]*	*[1]*
	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*								
6	G160M/1623 (395848)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1623 A	FP-POS=3; BUFFER-TIME=300			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*								
7	G140L/1230 (COS.sp.395854)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=180; FP-POS=3			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*								
8		DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVLOW		1 Secs *[==>]*	*[2]*
	Comments: Work-around to efficiently schedule the reconfiguration to SEG-A. Eliminates SPSS induced gaps.								

9	G140L/1105 /FUVA (OS.sp.3958 53)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L 1105 A	BUFFER-TIME=180; FP-POS=3; SEGMENT=A	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 13119, WD0308 (37), scheduling Wed Apr 03 01:35:08 GMT 2013

Diagnostic Status: Warning

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

Special Requirements: SCHED 100%; BETWEEN 09-JUN-2013:00:00:00 AND 16-JUN-2013:00:00:00

Diagnostics

(WD0308 (37)) 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

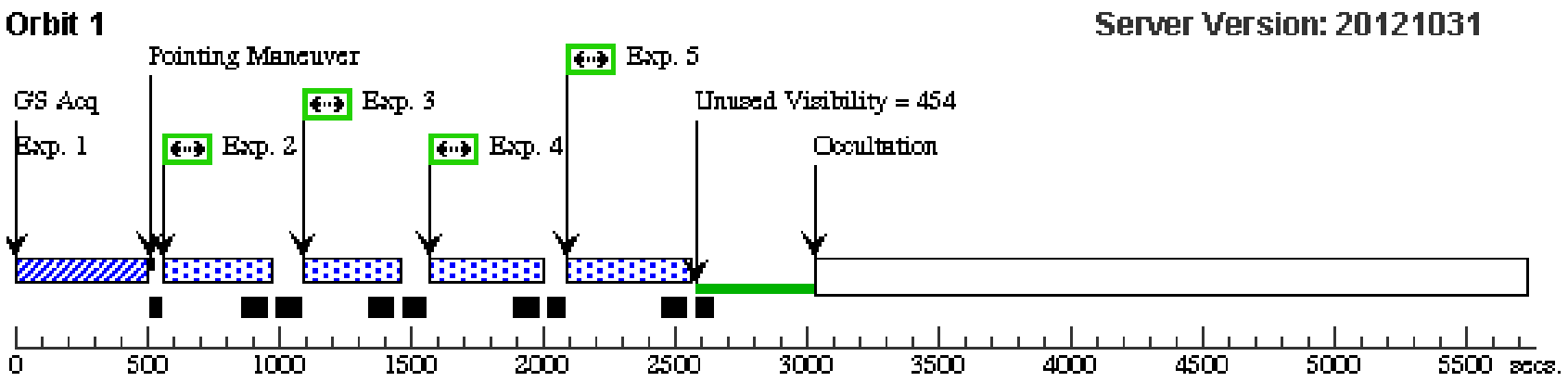
Exposures

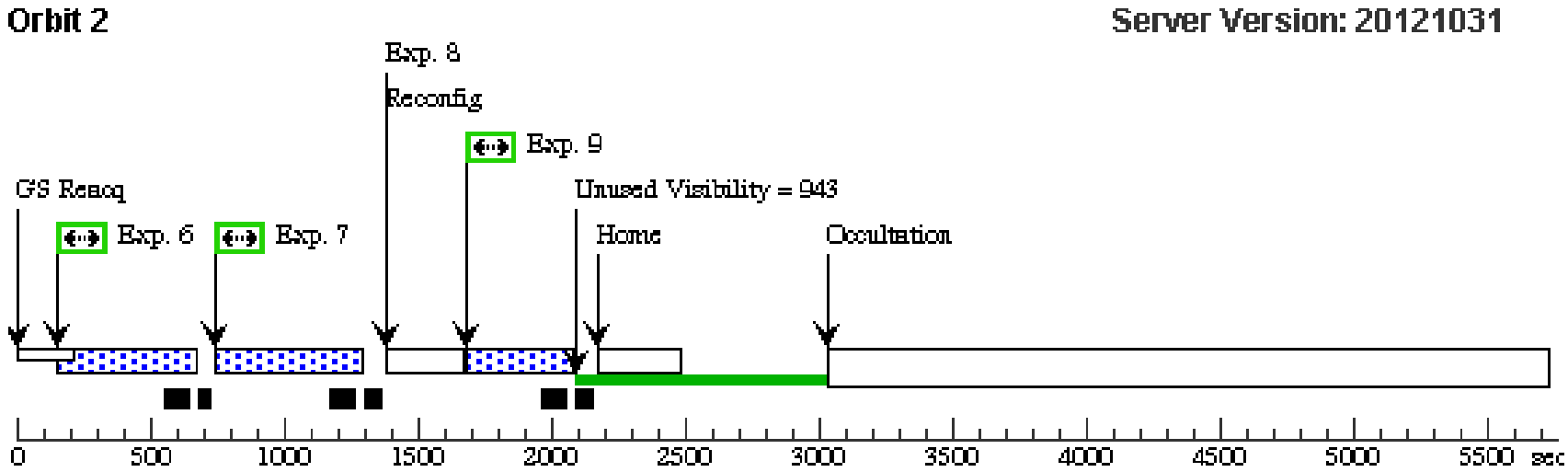
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	ACQ/IM (396029)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				45 Secs *[==>]*	*[1]*
2	G130M/1222 (COS.sp.395840)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1222 A	BUFFER-TIME=126; FP-POS=3			226 Secs *[==>]*	*[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 *[==>]*	*[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 *[==>]*	*[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	G160M/1577 (395846)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=3; BUFFER-TIME=190			290 Secs *[==>]*	*[1]*
	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*								
6	G160M/1623 (395848)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1623 A	FP-POS=3; BUFFER-TIME=300			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*								
7	G140L/1230 (COS.sp.395854)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=180; FP-POS=3			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*								
8		DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVLOW		1 Secs *[==>]*	*[2]*
	Comments: Work-around to efficiently schedule the reconfiguration to SEG-A. Eliminates SPSS induced gaps.								

9	G140L/1105 /FUVA (OS.sp.3958 53)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L 1105 A	BUFFER-TIME=180; FP-POS=3; SEGMENT=A	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 13119, WD0308 (38), scheduling Wed Apr 03 01:35:10 GMT 2013

Diagnostic Status: Warning

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

Special Requirements: SCHED 100%; BETWEEN 14-JUL-2013:00:00:00 AND 21-JUL-2013:00:00:00

Diagnostics

(WD0308 (38)) 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)	Proper Motion RA: 0.018141 sec of time/yr	V=14.07+/-0.02	Reference Frame: ICRS
		Dec: -56 23 49.41 (-56.39706d)	Proper Motion Dec: 0.0643 arcsec/yr		
		Equinox: J2000	Epoch of Position: 2000		

Comments: Coordinates from Charle's proposal

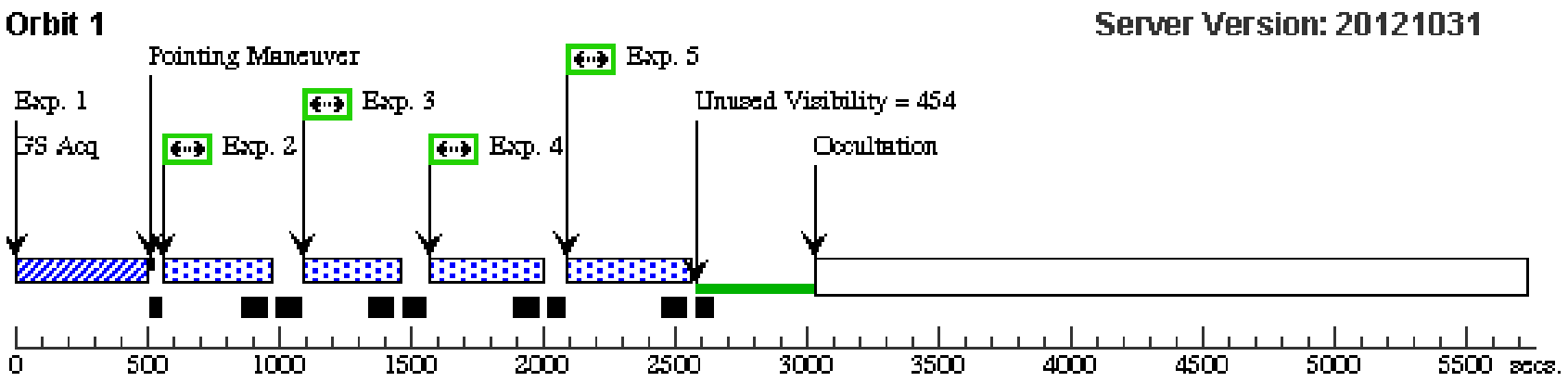
Exposures

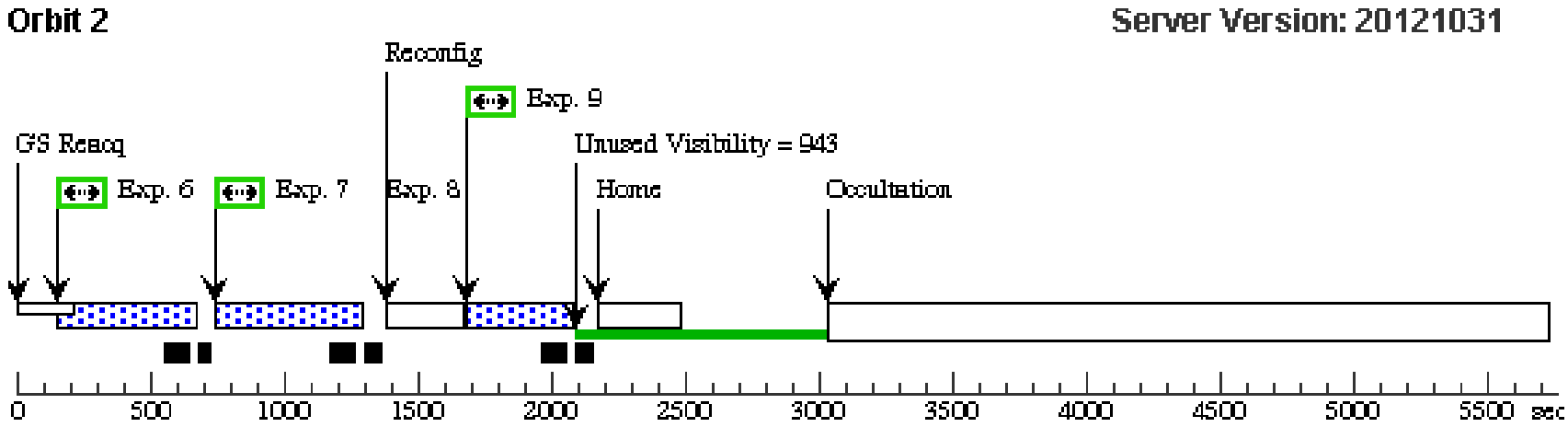
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	ACQ/IM (396029)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				45 Secs *[==>]*	*[1]*
2	G130M/1222 (COS.sp.395840)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1222 A	BUFFER-TIME=126; FP-POS=3			226 Secs *[==>]*	*[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 *[==>]*	*[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 *[==>]*	*[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	G160M/1577 (395846)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=3; BUFFER-TIME=190			290 Secs *[==>]*	*[1]*
	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*								
6	G160M/1623 (395848)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1623 A	FP-POS=3; BUFFER-TIME=300			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*								
7	G140L/1230 (COS.sp.395854)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=180; FP-POS=3			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*								
8		DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVLOW		1 Secs *[==>]*	*[2]*
	Comments: Work-around to efficiently schedule the reconfiguration to SEG-A. Eliminates SPSS induced gaps.								

9	G140L/1105 /FUVA (OS.sp.3958 53)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L 1105 A	BUFFER-TIME=180; FP-POS=3; SEGMENT=A	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 13119, WD0308 (39), scheduling Wed Apr 03 01:35:11 GMT 2013

Diagnostic Status: Warning

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

Special Requirements: SCHED 100%; BETWEEN 11-AUG-2013:00:00:00 AND 18-AUG-2013:00:00:00

Diagnostics

(WD0308 (39)) 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)	Proper Motion RA: 0.018141 sec of time/yr	V=14.07+/-0.02	Reference Frame: ICRS
		Dec: -56 23 49.41 (-56.39706d)	Proper Motion Dec: 0.0643 arcsec/yr		
		Equinox: J2000	Epoch of Position: 2000		

Comments: Coordinates from Charle's proposal

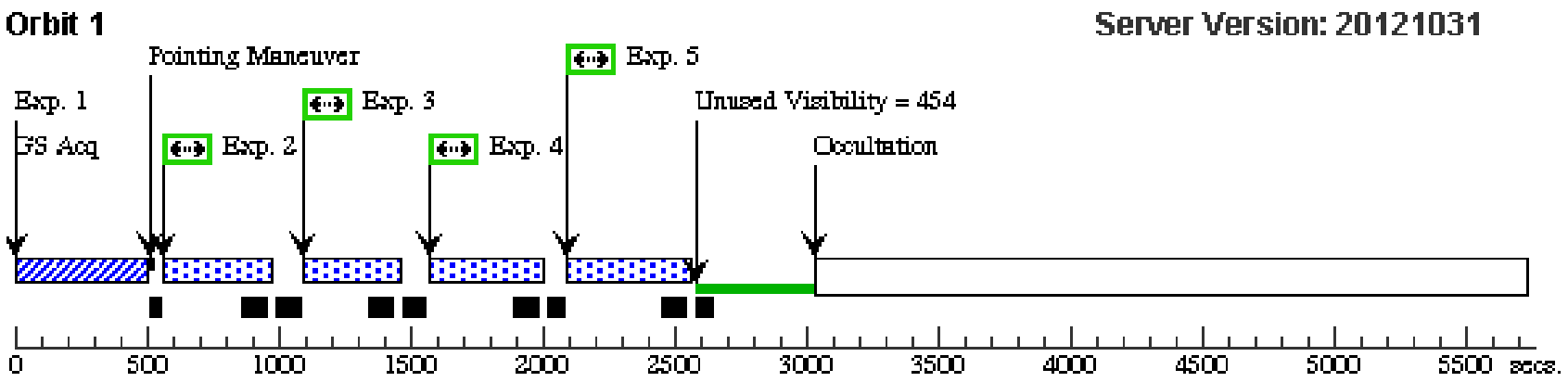
Exposures

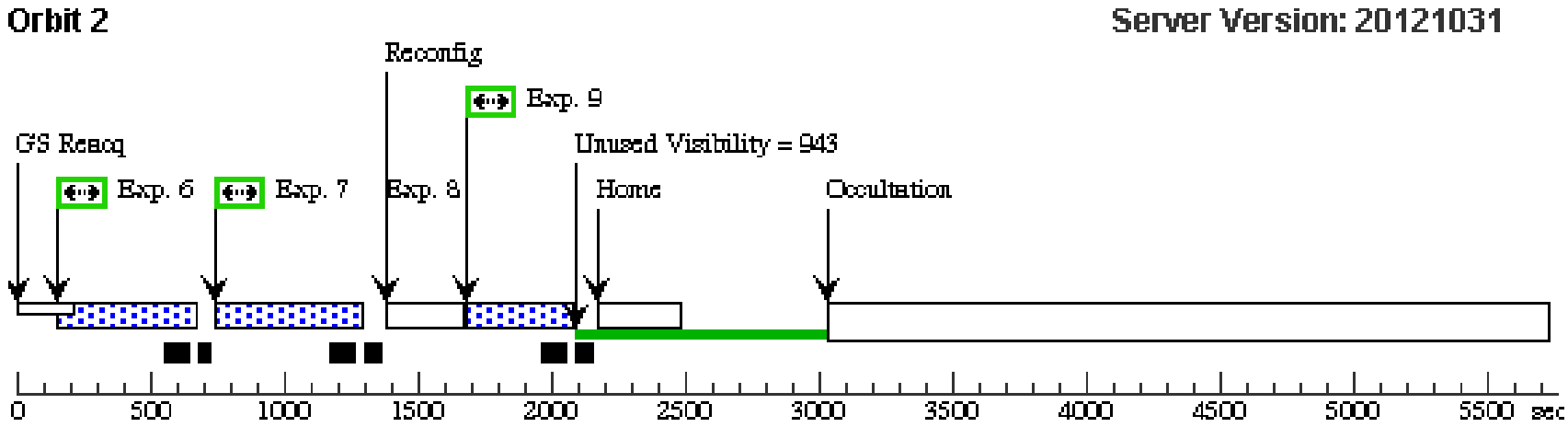
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	ACQ/IM (396029)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				45 Secs *[==>]*	*[1]*
2	G130M/1222 (COS.sp.395840)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1222 A	BUFFER-TIME=126; FP-POS=3			226 Secs *[==>]*	*[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 *[==>]*	*[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 *[==>]*	*[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	G160M/1577 (395846)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=3; BUFFER-TIME=190			290 Secs *[==>]*	*[1]*
	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*								
6	G160M/1623 (395848)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1623 A	FP-POS=3; BUFFER-TIME=300			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*								
7	G140L/1230 (COS.sp.395854)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=180; FP-POS=3			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*								
8		DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVLOW		1 Secs *[==>]*	*[2]*
	Comments: Work-around to efficiently schedule the reconfiguration to SEG-A. Eliminates SPSS induced gaps.								

9	G140L/1105 /FUVA (OS.sp.3958 53) (1) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L 1105 A	BUFFER-TIME=180; FP-POS=3; SEGMENT=A	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 13119, WD0308 (40), scheduling Wed Apr 03 01:35:13 GMT 2013

Diagnostic Status: Warning

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

Special Requirements: SCHED 100%; BETWEEN 15-SEP-2013:00:00:00 AND 22-SEP-2013:00:00:00

Diagnostics

(WD0308 (40)) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	WD0308-565	RA: 03 09 47.9200 (47.4496667d)	Proper Motion RA: 0.018141 sec of time/yr	V=14.07+/-0.02	Reference Frame: ICRS
		Dec: -56 23 49.41 (-56.39706d)	Proper Motion Dec: 0.0643 arcsec/yr		
		Equinox: J2000	Epoch of Position: 2000		

Comments: Coordinates from Charle's proposal

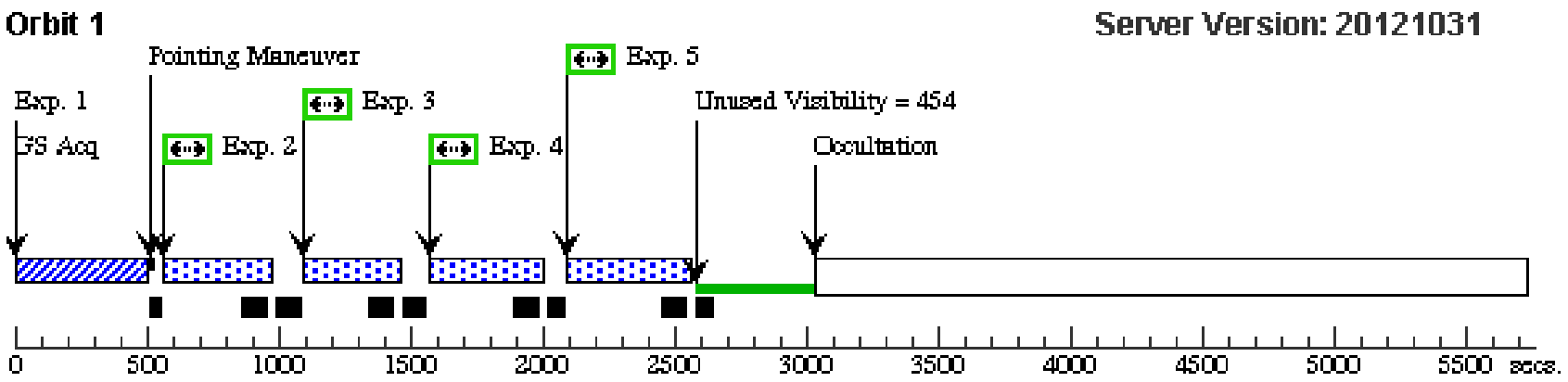
Exposures

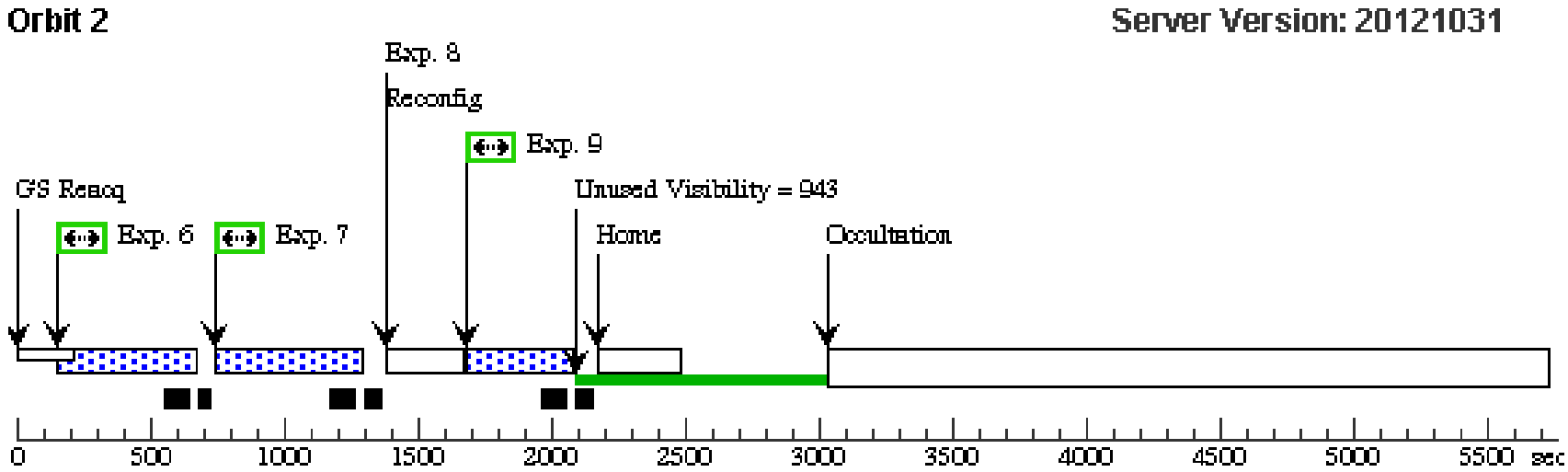
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	ACQ/IM (396029)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				45 Secs *[==>]*	*[1]*
2	G130M/1222 (COS.sp.395840)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M 1222 A	BUFFER-TIME=126; FP-POS=3			226 Secs *[==>]*	*[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 *[==>]*	*[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 *[==>]*	*[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	G160M/1577 (395846)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=3; BUFFER-TIME=190			290 Secs *[==>]*	*[1]*
	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*								
6	G160M/1623 (395848)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1623 A	FP-POS=3; BUFFER-TIME=300			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*								
7	G140L/1230 (COS.sp.395854)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=180; FP-POS=3			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*								
8		DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVLOW		1 Secs *[==>]*	*[2]*
	Comments: Work-around to efficiently schedule the reconfiguration to SEG-A. Eliminates SPSS induced gaps.								

9	G140L/1105 /FUVA (OS.sp.3958 53)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L 1105 A	BUFFER-TIME=180; FP-POS=3; SEGMENT=A	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





Proposal 13119 - WD0308 (41) - COS FUV Spectroscopic Sensitivity Monitoring

Visit

Proposal 13119, WD0308 (41), scheduling Wed Apr 03 01:35:15 GMT 2013

Diagnostic Status: Warning

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

Special Requirements: SCHED 100%; BETWEEN 13-OCT-2013:00:00:00 AND 20-OCT-2013:00:00:00

Diagnostics

(WD0308 (41)) Warning (Form): For the best data quality, it is strongly recommended that all four FP-POS positions be used when observing at a given COS CENWAVE setting.

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/[Actual Dur.]	Orbit
1	ACQ/IM (396029)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA		GS ACQ SCENARIO SINGLE		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 *[==>]*	*[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 *[==>]*	*[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 *[==>]*	*[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	G160M/1577 (395846)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FP-POS=3; BUFFER-TIME=190			290 Secs *[==>]*	*[1]*
	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*								
6	G160M/1623 (395848)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1623 A	FP-POS=3; BUFFER-TIME=300			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*								
7	G140L/1230 (COS.sp.395854)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=180; FP-POS=3			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*								
8		DARK	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVLOW		1 Secs *[==>]*	*[2]*
	Comments: Work-around to efficiently schedule the reconfiguration to SEG-A. Eliminates SPSS induced gaps.								

9	G140L/1105 /FUVA (OS.sp.3958 53)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L 1105 A	BUFFER-TIME=180; FP-POS=3; SEGMENT=A	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