

# 15535 - Cycle 26 COS FUV Spectroscopic Sensitivity Monitor

Cycle: 26, Proposal Category: CAL/COS (Availability Mode: RESTRICTED)

### **INVESTIGATORS**

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## **VISITS**

Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
01	(1) WD0308-565 DARK	COS/FUV COS/NUV S/C	2	30-Oct-2019 09:00:27.0	yes
51	(1) WD0308-565 DARK	COS/FUV COS/NUV S/C	2	30-Oct-2019 09:00:29.0	yes
02	(2) GD71 DARK WAVE	COS/FUV COS/NUV S/C	1	30-Oct-2019 09:00:31.0	yes
03	(1) WD0308-565 DARK	COS/FUV COS/NUV S/C	3	30-Oct-2019 09:00:33.0	yes

Proposal 15535 (STScI Edit Number: 11, Created: Wednesday, October 30, 2019 at 8:01:00 AM Eastern Standard Time) - Overview

Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
53	(1) WD0308-565 DARK	COS/FUV COS/NUV S/C	3	30-Oct-2019 09:00:35.0	yes
04	(2) GD71 DARK WAVE	COS/FUV COS/NUV S/C	2	30-Oct-2019 09:00:37.0	yes
05	(1) WD0308-565 DARK	COS/FUV COS/NUV S/C	3	30-Oct-2019 09:00:39.0	yes
06	(2) GD71 DARK WAVE	COS/FUV COS/NUV S/C	2	30-Oct-2019 09:00:40.0	yes
56	(2) GD71 DARK WAVE	COS/FUV COS/NUV S/C	2	30-Oct-2019 09:00:42.0	yes
07	(1) WD0308-565 DARK	COS/FUV COS/NUV S/C	3	30-Oct-2019 09:00:44.0	yes
57	(1) WD0308-565 DARK	COS/FUV COS/NUV S/C	3	30-Oct-2019 09:00:47.0	yes
08	(1) WD0308-565 DARK	COS/FUV COS/NUV S/C	3	30-Oct-2019 09:00:49.0	yes
58	(1) WD0308-565 DARK	COS/FUV COS/NUV S/C	3	30-Oct-2019 09:00:51.0	yes

Proposal 15535 (STScI Edit Number: 11, Created: Wednesday, October 30, 2019 at 8:01:00 AM Eastern Standard Time) - Overview

_	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
09	(2) GD71 DARK WAVE	COS/FUV COS/NUV S/C	2	30-Oct-2019 09:00:53.0	yes
10	(1) WD0308-565 DARK	COS/FUV COS/NUV S/C	3	30-Oct-2019 09:00:55.0	yes
60	(1) WD0308-565 DARK	COS/FUV COS/NUV S/C	3	30-Oct-2019 09:00:57.0	yes
11	(2) GD71 DARK WAVE	COS/FUV COS/NUV S/C	2	30-Oct-2019 09:00:59.0	yes

<sup>42</sup> Total Orbits Used

#### **ABSTRACT**

The FUV gratings are the most used modes on COS. They have experienced changes in sensitivity since the instrument was installed. The trends in the time-dependent spectroscopic sensitivity depend on the grating, segment and wavelength. This calibration proposal is to monitor the sensitivity of each FUV grating mode at several cenwave settings on an approximately bi-monthly schedule, and to characterize the observed trends.

#### **OBSERVING DESCRIPTION**

As part of the standard monitoring sequence the standard stars, WD0308-565 and GD71, will be observed every two months (except for May-July, during which time GD71 is unavailable).

Each sequence consists of 3 orbits: a 2 orbit visit (target WD0308-565) that covers

G130M/1055/FUVA,

G130M/1222,

G130M/1291,

G130M/1327/FUVA,

Proposal 15535 (STScI Edit Number: 11, Created: Wednesday, October 30, 2019 at 8:01:00 AM Eastern Standard Time) - Overview

G160M/1577/FUVB,

G160M/1623/FUVB,

G140L/1105/FUVA,

G140L/1280,

and a 1 orbit visit (target GD71) that covers

G130M/1096/FUVB,

G160M/1577/FUVA,

G160M/1623/FUVA.

These comprise the reddest and bluest central wavelengths of each grating with additional coverage of the G130M blue modes. The observations will be done at LP4, except for G130M/1055 and G130M/1096, which will be done at LP2.

# SNR requirements:

- SNR of 15 per resel at wavelength of least sensitivity for the standard modes, SNR of 25 per resel at wavelength of most sensitivity for the blue modes. For the blue modes, this will ensure S/N > 15 for I > 1030 ang for I = 1030 ang
- TDS calibration better than 2% for standard modes and 10% for blue modes

#### Time constraints:

- Complete monitoring sequence should occur every 2 months starting in December 2018.
- GD71 is unschedulable May-July 2018, and therefore that sequence will consist of only one visit.

2019 Jan 31 update:

The new cenwaves have been added to the visits, so each sequence consists now of 5 orbits.

The 3 orbit visit (target WD0308-565) covers, in addition to the list above,

G160M/1533/FUVB

G140L/800/FUVA

Proposal 15535 (STScI Edit Number: 11, Created: Wednesday, October 30, 2019 at 8:01:00 AM Eastern Standard Time) - Overview and the 2 orbit visit (target GD71) additionally covers G160M/1533/FUVA

Because of the addition of one orbit to each visit, the order of exposures, and the exposure times have been revised as necessary. Furthermore, for all but one set of the WD0308-565 observations using G160M, the specifications now are SEGMENT=B (i.e. segment A is turned off). The one exception is the June sequence (visit 07) for which the specifications are SEGMENT=BOTH for these modes, because GD71 is not available during this period.

F	<b>Proposal</b>	15535 - WD0308	- Dec complete (01) - Cycle	26 COS FUV Spectroscopic Sensitivity	Monitor

Wed Oct 30 13:01:00 GMT 2019
AND 08-JAN-2019:00:00:00
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Ī	S	# Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
ı	gets	(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
ı	arg		Dec: -56 23 49.41 (-56.39706d)	Proper Motion Dec: 0.0643 arcsec/yr		
ı	Ţ		Equinox: J2000	Epoch of Position: 2000		
ı	ed	Comments: Coordinates carried over	er from Cycle 25 proposal			
ı		Category=STAR				
ı		Description = [DB]				
		Frtended-NO				

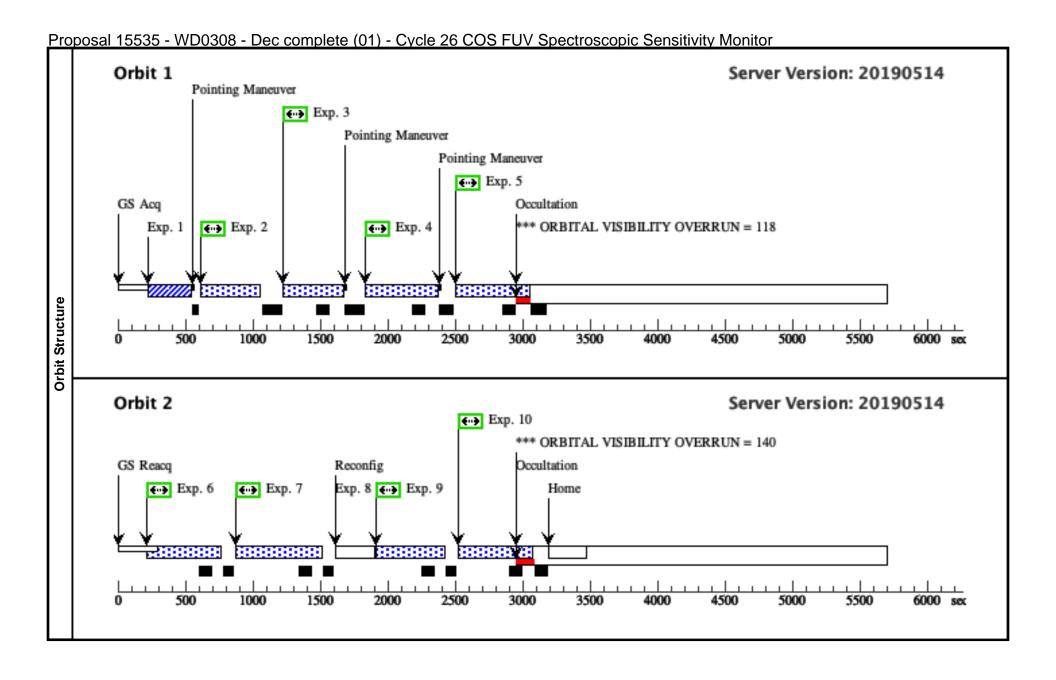
Proposal 15535 - WD0308 - Dec complete (01) - Cycle 26 COS FUV Spectroscopic Sensitivity Monitor

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ/IM (839564)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				45 Secs (45 Secs)	
								[==>]	[1]
$C\epsilon$			re times not reduced following updated				ed.		
2	G130M/122 2	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M	BUFFER-TIME=17 6;			176 Secs (254 Secs)	
	(COS.sp.118			1222 A	FP-POS=3;			[==>254.0  Secs ]	
	4026)				LIFETIME-POS=L				[11
					P4;				[1]
					SEGMENT=BOTH	I			
Sin	omments: ETC b nce buffer time l ontinue use of 1	arger than exptime u	. Target has been observed before and use buffer time = exptime -100 sec to m	so no need for 2/3 s naximize time on tar	safety margin. get = 126				
Cy	26 exposure tin	ne relative to Cy25 (	COS.sp.1021684) not significant.						
Us	se Cy25 value ar	nd allow the orbit pla	anner to adjust durations.						
3	G130M/129	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M	BUFFER-TIME=13			231 Secs (309 Secs)	
	1 (COS.sp.118			1291 A	1;			[==>309.0  Secs ]	
	4029)				FP-POS=3;				
	,				LIFETIME-POS=L P4;	,			[1]
					SEGMENT=BOTH	ſ			
uì	_		COS.sp.1021690) not significant. anner to adjust durations.						
4		(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M	BUFFER-TIME=18			285 Secs (363 Secs)	
	5/LP2 (COS.sp.118			1055 A	5;			[==>363.0  Secs ]	
	4033)				FP-POS=3;				
					SEGMENT=BOTH	[;			[1]
					LIFETIME-POS=L P2				
Ta Se	rget has been ol	uffer time is larger ti oserved before no ne xptime - 100 = 224 FP-POS	han exptime (1482) ed to 2/3 factor		. 2				
W	hile the program	is optimized for FU	IVA we use the low SNR FUVB data to	constraint the blue	edge of the wavelength	ange.			
$C_{\mathcal{Y}}$	26 exposure tin	ne relative to Cy25 (	COS.sp.1021696) not significant.						
Us	se Cy25 value ar	nd allow the orbit pla	anner to adjust durations.						

7	COS/FUV, TIME-TAG, PSA	G160M	FP-POS=3;	264 Secs (342 Secs)	
(COS.sp.118		1577 A	BUFFER-TIME=16	[==>342.0  Secs ]	
4034)			4;		,
			LIFETIME-POS=L P4;		I.
			SEGMENT=BOTH		
Comments: ETC buffer time is 599 Target has been observed before r Set buffer time = exptime - 100 =	no need to 2/3 factor				
Continue use of 1 FP-POS					
Cy 26 exposure time relative to Cy	v25 (COS.sp.1021702) not significant.				
Use Cy25 value and allow the orb					
6 G160M/162 (1) WD0308-5		G160M	FP-POS=3;	368 Secs (418 Secs)	
3 (COS.sp.118		1623 A	BUFFER-TIME=26	[==>418.0 Secs ]	
4035)			8; LIFETIME-POS=L		١,
			P4;		1
			SEGMENT=BOTH		
Target has been observed before r Set buffer time = exptime - 100 = Continue use of 1 FP-POS Cv 26 exposure time relative to Cv	300 x25 (COS.sp.1021704) not significant.				
<i>Use Cy25 value and allow the orb</i> 7 G140L/1280 (1) WD0308-5	- L	G140L	BUFFER-TIME=22	328 Secs (378 Secs)	
(COS.sp.118		1280 A	8;	[==>378.0  Secs ]	
4038)			FP-POS=3;		
			LIFETIME-POS=L P4;		l l
			SEGMENT=BOTH		
	no need to 2/3 factor				·
Comments: ETC buffer time is 45.1 Target has been observed before n Set buffer time = exptime - 100 = Continue use of 1 FP-POS	100				
Target has been observed before n Set buffer time = exptime - 100 = Continue use of 1 FP-POS	ls, compared with Cy25 (COS.sp.1021719)	) time of 328 secon	ds, due to a shallower TDS.		
Target has been observed before n Set buffer time = exptime - 100 = Continue use of 1 FP-POS Cy 26 exposure time is 282 second	ls, compared with Cy25 (COS.sp.1021719)	) time of 328 secon			
Target has been observed before n Set buffer time = exptime - 100 = Continue use of 1 FP-POS	ls, compared with Cy25 (COS.sp.1021719)	) time of 328 secon	ds, due to a shallower TDS.  QASISTATES COS FUV HVLOW HVL	$\frac{1 \text{ Secs } (1 \text{ Secs})}{I = => I}$	

Proposal 15535 - WD0308 - Dec complete (01) - Cycle 26 COS FUV Spectroscopic Sensitivity Monitor BUFFER-TIME=22 G140L/1105 (1) WD0308-565 COS/FUV, TIME-TAG, PSA 327 Secs (377 Secs) G140L /FUVA (COS.sp.118 4043) 7; 1105 A [==>377.0 Secs]FP-POS=3; SEGMENT=A; [2] LIFETIME-POS=L Comments: ETC buffer time is 362, larger than exptime Target has been observed before no need to 2/3 factor Set buffer time = exptime - 100 = 180Continue use of 1 FP-POS Cy 26 exposure time is 283 seconds, compared with Cy25 (COS.sp.1021720) time of 327 seconds, due to a shallower TDS. Use Cy25 value and allow the orbit planner to adjust durations. 10 G130M/132 (1) WD0308-565 COS/FUV, TIME-TAG, PSA G130M BUFFER-TIME=17 278 Secs (328 Secs) 7/FUVA 1327 A I = > 328.0 Secs 1(COS.sp.118 FP-POS=3; 4044) LIFETIME-POS=L [2] P4; SEGMENT=A Comments: ETC buffer time is 320 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 Cy 26 exposure time relative to Cy25 (COS.sp.1021693) not significant.

Use Cy25 value and allow the orbit planner to adjust durations.



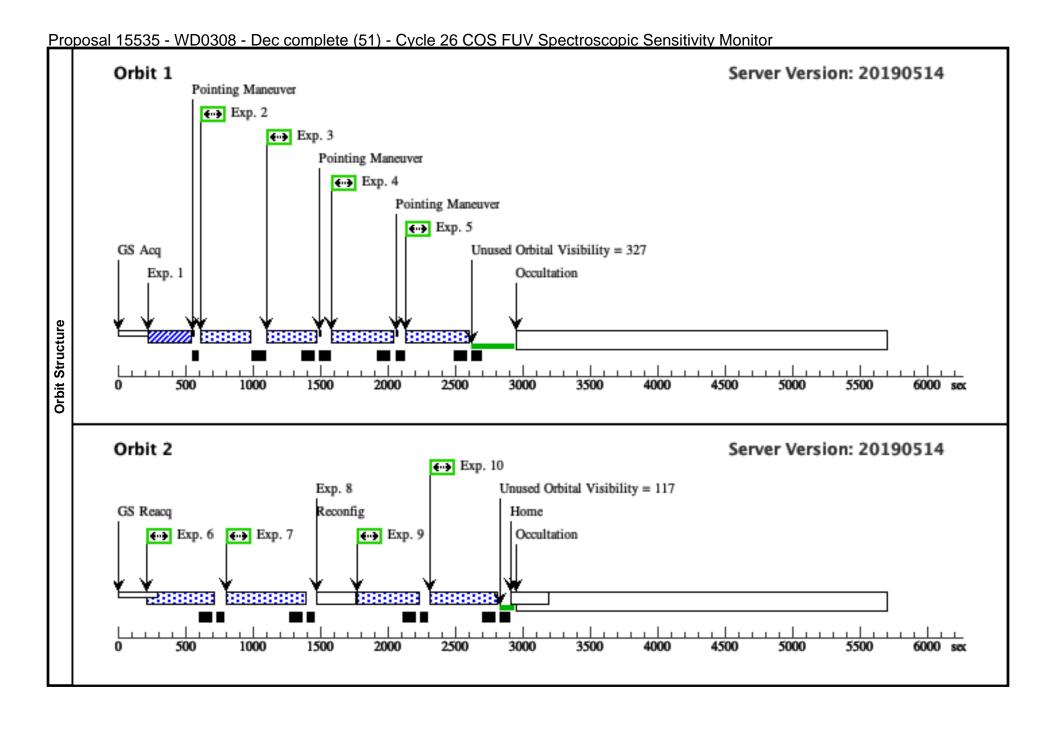
Proposal 15535 - WD0308 - Dec complete (51) - Cycle 26 COS FUV Spectroscopic Sensitivity Monitor

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	Proposal 15535, WD0308 - Dec	complete (51), withdrawn			Wed Oct 30 13:01:00 GMT 2019			
sit	Diagnostic Status: No Diagnost	ics						
	Scientific Instruments: S/C, COS/FUV, COS/NUV							
	Special Requirements: SCHED 1	00%; BETWEEN 21-FEB-2019 AND 22-MAR-	2019					
s	# Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
e e	(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			
arg		Dec: -56 23 49.41 (-56.39706d)	Proper Motion Dec: 0.0643 arcsec/yr					
<b> </b> "		Equinox: J2000	Epoch of Position: 2000					
eq	Comments: Coordinates carried over from Cycle 25 proposal							
	Category=STAR Description=[DB]							
I —	Extended=NO							

Proposal 15535 - WD0308 - Dec complete (51) - Cycle 26 COS FUV Spectroscopic Sensitivity Monitor Label **Target** Config, Mode, Aperture Spectral Els. Opt. Params. Special Reqs. Groups Exp. Time (Total)/[Actual Dur.] Orbit (ETC Run) (1) WD0308-565 ACQ/IM COS/NUV, ACQ/IMAGE, BOA MIRRORA 45 Secs (45 Secs) (839564)[1] *[==>1* Comments: cycle 26 comment: exposure times not reduced following updated ETC calculations, differences not enough to affect orbit requested. G130M/122 (1) WD0308-565 COS/FUV, TIME-TAG, PSA G130M BUFFER-TIME=17 176 Secs (176 Secs) 1222 A *[==>1* (COS.sp.118 FP-POS=3; 4026) LIFETIME-POS=L [1] SEGMENT=BOTH Comments: ETC buffer time is 395 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 = 126 Continue use of 1 FP-POS Cy 26 exposure time relative to Cy25 (COS.sp.1021684) not significant. Use Cy25 value and allow the orbit planner to adjust durations. G130M/129 (1) WD0308-565 COS/FUV, TIME-TAG, PSA G130M BUFFER-TIME=13 231 Secs (231 Secs) 1: 1291 A *[==>1* (COS.sp.118 FP-POS=3; 4029) LIFETIME-POS=L [1] P4; SEGMENT=BOTH Comments: ETC buffer time is 322 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 Cy 26 exposure time relative to Cy25 (COS.sp.1021690) not significant. Use Cy25 value and allow the orbit planner to adjust durations. G130M/105 (1) WD0308-565 COS/FUV, TIME-TAG, PSA G130M BUFFER-TIME=18 285 Secs (285 Secs) 5/LP2 5; 1055 A I ==> I(COS.sp.118 FP-POS=3; 4033) SEGMENT=BOTH; [1] LIFETIME-POS=L Comments: ETC buffer time is larger than exptime (1482) Target has been observed before no need to 2/3 factor Set buffer time = exptime - 100 = 224Continue use of 1 FP-POS While the program is optimized for FUVA we use the low SNR FUVB data to constraint the blue edge of the wavelength range. Cy 26 exposure time relative to Cy25 (COS.sp.1021696) not significant. Use Cy25 value and allow the orbit planner to adjust durations.

7	COS/FUV, TIME-TAG, PSA	G160M	FP-POS=3;	264 Secs (264 Secs)	
(COS.sp.118		1577 A	BUFFER-TIME=16	[==>]	
4034)			4;		
			LIFETIME-POS=L P4:		
			SEGMENT=BOTH		
Comments: ETC buffer time is 599, Target has been observed before no Set buffer time = exptime - 100 = 19	larger than exptime need to 2/3 factor 0				<u>'</u>
Continue use of 1 FP-POS					
Cy 26 exposure time relative to Cy2	5 (COS.sp.1021702) not significant.				
Use Cy25 value and allow the orbit					
6 G160M/162 (1) WD0308-56		G160M	FP-POS=3;	368 Secs (368 Secs)	
3 (COS.sp.118		1623 A	BUFFER-TIME=26	[==>]	
4035)			8;		
			LIFETIME-POS=L P4;		[
			SEGMENT=BOTH		
Set buffer time = exptime - 100 = 30 Continue use of 1 FP-POS					
Cy 26 exposure time relative to Cy2					
Cy 26 exposure time relative to Cy2 Use Cy25 value and allow the orbit	planner to adjust durations.	G140I	BLIEFER_TIME=22	328 Secs (328 Secs)	
Cy 26 exposure time relative to Cy2  Use Cy25 value and allow the orbit  G140L/1280 (1) WD0308-56 (COS.sp.118	planner to adjust durations.	G140L 1280 A	BUFFER-TIME=22 8;	328 Secs (328 Secs)	
Cy 26 exposure time relative to Cy2  Use Cy25 value and allow the orbit  G140L/1280 (1) WD0308-56	planner to adjust durations.	G140L 1280 A		328 Secs (328 Secs) [==>]	
Cy 26 exposure time relative to Cy2  Use Cy25 value and allow the orbit  G140L/1280 (1) WD0308-56 (COS.sp.118	planner to adjust durations.		8; FP-POS=3; LIFETIME-POS=L		
Cy 26 exposure time relative to Cy2  Use Cy25 value and allow the orbit  G140L/1280 (1) WD0308-56 (COS.sp.118	planner to adjust durations.		8; FP-POS=3;		I
Cy 26 exposure time relative to Cy2  Use Cy25 value and allow the orbit  G140L/1280 (1) WD0308-56 (COS.sp.118 4038)  Comments: ETC buffer time is 451, Target has been observed before no Set buffer time = exptime - 100 = 18	planner to adjust durations.  COS/FUV, TIME-TAG, PSA  larger than exptime need to 2/3 factor		8; FP-POS=3; LIFETIME-POS=L P4;		
Cy 26 exposure time relative to Cy2  Use Cy25 value and allow the orbit  G140L/1280 (1) WD0308-56 (COS.sp.118 4038)  Comments: ETC buffer time is 451, Target has been observed before no Set buffer time = exptime - 100 = 18 Continue use of 1 FP-POS	planner to adjust durations.  COS/FUV, TIME-TAG, PSA  larger than exptime need to 2/3 factor	1280 A	8; FP-POS=3; LIFETIME-POS=L P4; SEGMENT=BOTH		
Cy 26 exposure time relative to Cy2  Use Cy25 value and allow the orbit  G140L/1280 (1) WD0308-56 (COS.sp.118 4038)  Comments: ETC buffer time is 451, Target has been observed before no Set buffer time = exptime - 100 = 18 Continue use of 1 FP-POS  Cy 26 exposure time is 282 seconds, Use Cy25 value and allow the orbit	planner to adjust durations.  COS/FUV, TIME-TAG, PSA  darger than exptime need to 2/3 factor  compared with Cy25 (COS.sp.1021719) planner to adjust durations.	1280 A	8; FP-POS=3; LIFETIME-POS=L P4; SEGMENT=BOTH  ds, due to a shallower TDS.	[==>]	[.
Cy 26 exposure time relative to Cy2  Use Cy25 value and allow the orbit  G140L/1280 (1) WD0308-56 (COS.sp.118 4038)  Comments: ETC buffer time is 451, Target has been observed before no Set buffer time = exptime - 100 = 18 Continue use of 1 FP-POS  Cy 26 exposure time is 282 seconds,	planner to adjust durations.  COS/FUV, TIME-TAG, PSA  larger than exptime need to 2/3 factor  compared with Cy25 (COS.sp.1021719)	1280 A	8; FP-POS=3; LIFETIME-POS=L P4; SEGMENT=BOTH		[.

<u>oposal 15535 - WD0308</u>	<u> </u>	Cycle 26 CC	OS FUV Spectroscopic Sensitivity	Monitor
9 G140L/1105 (1) WD0308-565 /FUVA (COS.sp.118 4043)	COS/FUV, TIME-TAG, PSA	G140L 1105 A	BUFFER-TIME=22 7; FP-POS=3; SEGMENT=A; LIFETIME-POS=L P4	327 Secs (327 Secs) [==>] [2,
Comments: ETC buffer time is 362, le Target has been observed before no not set buffer time = exptime - 100 = 180 Continue use of 1 FP-POS Cy 26 exposure time is 283 seconds, where the continue use of 1 FP-POS	need to 2/3 factor ) compared with Cy25 (COS.sp.1021720)	) time of 327 secon	nds, due to a shallower TDS.	
10 G130M/132 (1) WD0308-565 7/FUVA (COS.sp.118 4044)		G130M 1327 A	BUFFER-TIME=17 8; FP-POS=3; LIFETIME-POS=L P4; SEGMENT=A	278 Secs (278 Secs) [==>] [2,
	, , , , , , , , , , , , , , , , , , , ,			



Proposal 15535, GD71 - Dec complete (02), completed Wed Oct 30 13:01:00 GMT 2019

Diagnostic Status: Warning

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

Special Requirements: SCHED 100%; BETWEEN 26-DEC-2018:00:00:00 AND 08-JAN-2019:00:00:00

Comments: exposure 4: GO wavecal to calculate the OSM shifts of the G130M/1096/FUVB observation

George Chapman added Exposure 3

Optimized the exposure time for the G130M/1096 setting to increase its SNR (exp time = 744 s) while remaining within the allocated time.

(GD71 - Dec complete (02)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN

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**Diagnostics** 

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

Equinox: J2000

Epoch of Position: 2000 nts: Use sma RA, DEC amd PM as in proposal 12392 by Bohlin et al.

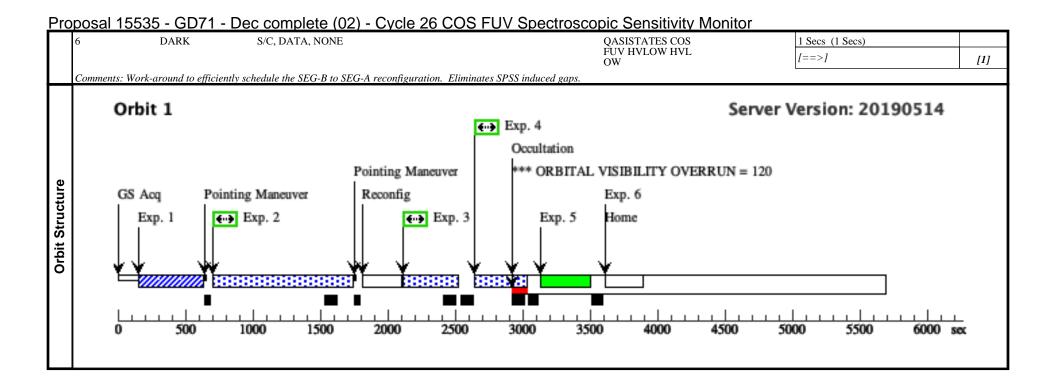
Carried over from Cycle 25 proposal.
Category=STAR
Description=[DA]

Extended=NO

Proposal 15535 - GD71 - Dec complete (02) - Cycle 26 COS FUV Spectroscopic Sensitivity Monitor

# Label Target Config, Mode, Aperture Spectral Els. Opt. Params. Special Regs. Groups

	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/IM	(2) GD71	COS/NUV, ACQ/IMAGE, BOA	MIRRORB				90 Secs (90 Secs)	
		(COS.ta.839 574)							[==>]	[1]
	Com	ments: Exptim	e for S/N of 60 is 10	05.5 sec, using 90 sec leads to S/N of 55.						
	2	G130M/109	(2) GD71	COS/FUV, TIME-TAG, PSA	G130M	BUFFER-TIME=64			744 Secs (836 Secs)	
l		6/FUVB/LP 2			1096 A	4; FP-POS=3;			[==>836.0  Secs ]	
		(COS.sp.118 4046)				SEGMENT=B;				[1]
		,				LIFETIME-POS=L P2				
				ings come from FUVA). 644 to maximize time on target.		12				
	Cy 2	6 exposure tim	e relative to Cy25,	and Cy24 (COS.sp.839576) not significa	ant.					
	Use	Cy25 value and	d allow the orbit pl	anner to adjust durations.						
	3	G160M/157 7/FUVA	(2) GD71	COS/FUV, TIME-TAG, PSA	G160M	BUFFER-TIME=11 1;			111 Secs (203 Secs)	
		(COS.sp.118			1577 A	FP-POS=3;			[==>203.0 Secs ]	
		4047)				SEGMENT=A;				[1]
						LIFETIME-POS=L				
S	Com	ments: FI/VA	only (all ETC warn	ings come from FUVB).		P4				
ure			,	= 360 sec, which is larger than exp time	so sat buffer time	to exntime				
Exposures	2.35 6513	e6 is the number	er of events that eac count rate in FUVA	ch buffer can record , per ETC calculation above - 100 < 80 which is the minimum exptim	••					
	Cy 2	6 exposure tim	e relative to Cy25 (	(COS.sp.1021723) not significant.						
	Use	Cy25 value and	d allow the orbit pl	anner to adjust durations.						
	4	G160M/162 3/FUVA	(2) GD71	COS/FUV, TIME-TAG, PSA	G160M	BUFFER-TIME=16			162 Secs (254 Secs)	
		(COS.sp.118			1623 A	2; FP-POS=3;			[==>254.0 Secs ]	
		4049)				SEGMENT=A;				[1]
						LIFETIME-POS=L P4				
	Com	ments: FUVA	only (all ETC warn	ings come from FUVB).		* *				1
	2.35 6513 Set b	e6 is the number cts/sec is the couffer-time = ex	er of events that eac count rate in FUVA xptime b/c exptime	= 360 sec, which is larger than exp time, ch buffer can record s, per ETC calculation above - 100 < 80 which is the minimum exptim		to exptime.				
	Cy 2	6 exposure tim	e relative to Cy25 (	(COS.sp.1021734) not significant.						
	Use	*		anner to adjust durations.						
	5	G130M/109 6/FUVA W	WAVE	COS/FUV, TIME-TAG, WCA	G130M	FP-POS=3;			140 Secs (140 Secs)	
		AVECAL/L			1096 A	SEGMENT=A;			[==>]	
		P2				FLASH=NO; LIFETIME-POS=L				[1]
						P2				



Proposal 15535 - WD0308-FEB-withDELTA (03) - Cycle 26 COS FUV Spectroscopic Sensitivity Monitor

Proposal 15535, WD0308-FEB-withDELTA (03), failed Wed Oct 30 13:01:00 GMT 2019

Diagnostic Status: No Diagnostics

Visit

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

Special Requirements: SCHED 100%; BETWEEN 18-FEB-2019:00:00:00 AND 27-FEB-2019:00:00:00

Comments: New cenwaves G160M/1533/B and G140L/800/A have been added to the visit. All G160M observations are now with SEGMENT = B (i.e. segment A is turned off).

l s	#	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
E			Dec: -56 23 49.41 (-56.39706d)	Proper Motion Dec: 0.0643 arcsec/yr		
⊨			Equinox: J2000	Epoch of Position: 2000		
Fixed	Ca De	omments: Coordinates carried over j ategory=STAR escription=[DB] xtended=NO	from Cycle 25 proposal			

Proposal 15535 - WD0308-FEB-withDELTA (03) - Cycle 26 COS FUV Spectroscopic Sensitivity Monitor

	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orb		
1	ACQ/IM (839564)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				45 Secs (45 Secs)			
	,							[==>]	[1]		
Com		(1) WD0308-565	e times not reduced following updated COS/FUV, TIME-TAG, PSA	G130M	BUFFER-TIME=26	affect orbit requested	l.	363 Secs (363 Secs)			
2	5/LP2	` /	COS/FUV, TIME-TAG, FSA	1055 A	3;			[==>]			
	(COS.sp.130 2752)			1033 71	FP-POS=3;			1>1			
	_,_,				SEGMENT=BOTH;	;			[1		
					LIFETIME-POS=L P2						
Targ Set b	nments: ETC bi get has been ob buffer time = ex tinue use of 1 I	uffer time is larger th sserved before no nee xptime - 100	nan exptime (1482) ed to 2/3 factor						•		
3		(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M	BUFFER-TIME=15			254 Secs (254 Secs)			
	2 (COS.sp.130			1222 A	4;			[==>]			
	2754)				FP-POS=3; LIFETIME-POS=L				[1		
			P4;				"				
					SEGMENT=BOTH						
Sinc	Comments: ETC buffer time is 395 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 = 126 Continue use of 1 FP-POS										
4	G130M/129	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M	BUFFER-TIME=13			233 Secs (233 Secs)			
	1 (COS.sp.131	1291 A	3; FP-POS=3;			[==>]					
	1908)				LIFETIME-POS=L				[]		
					P4;				_		
_					SEGMENT=BOTH						
Comments: ETC buffer time is 322 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											
Con						1E=22					
Coni		(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L	BUFFER-TIME=22			328 Secs (328 Secs)			
Coni 5	G140L/1280 (COS.sp.102 1719)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L 1280 A	8;			328 Secs (328 Secs) [==>]			
Cont 5	(COS.sp.102	(1) WD0308-565	COS/FUV, TIME-TAG, PSA		8; FP-POS=3;			·	[]		
Coni	(COS.sp.102	(1) WD0308-565	COS/FUV, TIME-TAG, PSA		8; FP-POS=3; LIFETIME-POS=L P4;			·	[1		
5	(COS.sp.102 1719)	(1) WD0308-565			8; FP-POS=3; LIFETIME-POS=L			·	[1		
5 Com Targ Set b	(COS.sp.102 1719)  nments: ETC by	(1) WD0308-565  uffer time is 451, largoserved before no nee xotime - 100 = 180	ger than exptime		8; FP-POS=3; LIFETIME-POS=L P4;			·	[1		
5 Com Targ Set b	(COS.sp.102 1719) nments: ETC bi get has been ob buffer time = e. tinue use of I I	(1) WD0308-565  uffer time is 451, largoserved before no nee xotime - 100 = 180	ger than exptime		8; FP-POS=3; LIFETIME-POS=L P4;	QASISTATES COS	5	·	[1		
Com Targ Set b Cons	(COS.sp.102 1719) nments: ETC bi get has been ob buffer time = e. tinue use of I I	(1) WD0308-565  uffer time is 451, larg sserved before no nee xptime - 100 = 180 FP-POS	ger than exptime ed to 2/3 factor		8; FP-POS=3; LIFETIME-POS=L P4;		3	[==>]	[1		
Com Targ Set b Cons	(COS.sp.102 1719) nments: ETC bi get has been ob buffer time = e. tinue use of 1 I	(1) WD0308-565  uffer time is 451, largoserved before no nee xptime - 100 = 180 FP-POS  DARK	ger than exptime ed to 2/3 factor	1280 A	8; FP-POS=3; LIFETIME-POS=L P4; SEGMENT=BOTH	QASISTATES COS FUV HVLOW HVI	5	[==>]  1 Secs (1 Secs)			
Com Targ Set b Cons	(COS.sp.102 1719) nments: ETC bi get has been ob buffer time = e. tinue use of 1 I	(1) WD0308-565  uffer time is 451, largoserved before no nee xptime - 100 = 180 FP-POS  DARK	ger than exptime ed to 2/3 factor S/C, DATA, NONE	1280 A	8; FP-POS=3; LIFETIME-POS=L P4; SEGMENT=BOTH	QASISTATES COS FUV HVLOW HVI		[==>]  1 Secs (1 Secs)			
Com Targ Set b Cons	(COS.sp.102 1719) nments: ETC bi get has been ob buffer time = e. tinue use of 1 I	(1) WD0308-565  uffer time is 451, largoserved before no nee xptime - 100 = 180 FP-POS  DARK	ger than exptime ed to 2/3 factor S/C, DATA, NONE	1280 A	8; FP-POS=3; LIFETIME-POS=L P4; SEGMENT=BOTH	QASISTATES COS FUV HVLOW HVI	3	[==>]  1 Secs (1 Secs)			

G100M/133	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M	FP-POS=3;	222 Secs (222 Secs)	
3/B			1533 A	BUFFER-TIME=12	[==>]	
(COS.sp.131 1897)				2;		
				LIFETIME-POS=L P4;		Į.
				SEGMENT=B		
Comments: ETC bu Target has been ob Set buffer time = ex	ıffer time is 487, larş served before no nee xptime - 100	ger than exptime ed to 2/3 factor				'
Continue use of 1 F	FP-POS					
	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M	FP-POS=3;	273 Secs (273 Secs)	
7/B (COS.sp.131			1577 A	BUFFER-TIME=17	[==>]	
1899)				3;		
				LIFETIME-POS=L P4;		1
				SEGMENT=B		
Comments: ETC bu	ıffer time is 599, larş	ger than exptime				I I
Target has been ob Set buffer time = ex	served before no nee	ed to 2/3 factor				
Continue use of 1 F						
G160M/162 3/B	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M	FP-POS=3;	369 Secs (369 Secs)	
(COS.sp.131	5/B (COS.sp.131 1901)		1623 A	BUFFER-TIME=26 9;	[==>]	
1901)				LIFETIME-POS=L		
				P4;		
				17,		
				SEGMENT=B		
Comments: ETC bu Target has been ob Set buffer time = ex Continue use of 1 F	uffer time is 799, larg served before no nec sptime - 100 = 300 FP-POS	ger than exptime ed to 2/3 factor				
Target has been ob Set buffer time = ex Continue use of 1 F	uffer time is 799, larg served before no nec sptime - 100 = 300 P-POS DARK	ger than exptime ed to 2/3 factor S/C, DATA, NONE		SEGMENT=B  QASISTATES COS	1 Secs (1 Secs)	
Target has been ob Set buffer time = ex Continue use of 1 F	served before no nee xptime - 100 = 300 FP-POS	ed to 2/3 factor		QASISTATES COS FUV HVLOW HVL	1 Secs (1 Secs) [==>]	
Target has been ob Set buffer time = ex Continue use of 1 F 10	served before no nee sptime - 100 = 300 P-POS DARK	ed to 2/3 factor S/C, DATA, NONE	A Fliminates SP	QASISTATES COS FUV HVLOW HVL OW		
Target has been ob Set buffer time = ex Continue use of 1 F 10 Comments: Work-a	served before no nee cptime - 100 = 300 FP-POS DARK tround to efficiently :	ed to 2/3 factor  S/C, DATA, NONE  schedule the reconfiguration to SEG-		SEGMENT=B  QASISTATES COS FUV HVLOW HVL OW  SS induced gaps.	[==>]	
Farget has been ob Set buffer time = ex Continue use of 1 F 10 Comments: Work-a 11 G140L/800/ FUVA	served before no nee typtime - 100 = 300 FP-POS DARK around to efficiently (1) WD0308-565	ed to 2/3 factor S/C, DATA, NONE	A. Eliminates SPS G140L 800 A	QASISTATES COS FUV HVLOW HVL OW	[==>] 363 Secs (363 Secs)	
Farget has been ob Set buffer time = ex Continue use of 1 F 10 Comments: Work-a 11 G140L/800/ FUVA	served before no nee typtime - 100 = 300 FP-POS DARK around to efficiently (1) WD0308-565	ed to 2/3 factor  S/C, DATA, NONE  schedule the reconfiguration to SEG-	G140L	QASISTATES COS FUV HVLOW HVL OW SS induced gaps. BUFFER-TIME=26	[==>]	
Target has been ob Set buffer time = ex Continue use of 1 F 10 Comments: Work-a 11 G140L/800/	served before no nee typtime - 100 = 300 FP-POS DARK around to efficiently (1) WD0308-565	ed to 2/3 factor  S/C, DATA, NONE  schedule the reconfiguration to SEG-	G140L	QASISTATES COS FUV HVLOW HVL OW  SS induced gaps.  BUFFER-TIME=26 3;	[==>] 363 Secs (363 Secs)	
Farget has been ob Set buffer time = ex Continue use of 1 F 10 Comments: Work-a 11 G140L/800/ FUVA	served before no nee typtime - 100 = 300 FP-POS DARK around to efficiently (1) WD0308-565	ed to 2/3 factor  S/C, DATA, NONE  schedule the reconfiguration to SEG-	G140L	QASISTATES COS FUV HVLOW HVL OW  SS induced gaps.  BUFFER-TIME=26 3; FP-POS=3; SEGMENT=A; LIFETIME-POS=L	[==>] 363 Secs (363 Secs)	
Farget has been ob Set buffer time = ex Continue use of 1 F 10 Comments: Work-a 11 G140L/800/ FUVA (COS.sp.130 2815)	served before no nec sptime - 100 = 300 FP-POS DARK around to efficiently (1) WD0308-565	ed to 2/3 factor  S/C, DATA, NONE  Schedule the reconfiguration to SEG- COS/FUV, TIME-TAG, PSA	G140L	QASISTATES COS FUV HVLOW HVL OW  SS induced gaps.  BUFFER-TIME=26 3; FP-POS=3; SEGMENT=A;	[==>] 363 Secs (363 Secs)	
Target has been ob Set buffer time = ex Continue use of 1 F  Comments: Work-a  11 G140L/800/ FUVA  (COS.sp.130 2815)  Comments: ETC butterget has been ob	served before no nec cptime - 100 = 300 FP-POS  DARK  tround to efficiently (1) WD0308-565  affer time is 362, largeserved before no nec	schedule the reconfiguration to SEG-COS/FUV, TIME-TAG, PSA	G140L	QASISTATES COS FUV HVLOW HVL OW  SS induced gaps.  BUFFER-TIME=26 3; FP-POS=3; SEGMENT=A; LIFETIME-POS=L	[==>] 363 Secs (363 Secs)	
Farget has been ob Set buffer time = ex Continue use of 1 F 10  Comments: Work-a  G140L/800/ FUVA (COS.sp.130 2815)  Comments: ETC buffer time = ex	served before no nec typtime - 100 = 300 FP-POS  DARK  around to efficiently (1) WD0308-565  uffer time is 362, large served before no necupitime - 100 = 263	schedule the reconfiguration to SEG-COS/FUV, TIME-TAG, PSA	G140L	QASISTATES COS FUV HVLOW HVL OW  SS induced gaps.  BUFFER-TIME=26 3; FP-POS=3; SEGMENT=A; LIFETIME-POS=L	[==>] 363 Secs (363 Secs)	
Target has been ob Set buffer time = ex Continue use of 1 F  Comments: Work-a  11 G140L/800/ FUVA  (COS.sp.130 2815)  Comments: ETC butterget has been ob	served before no nec typtime - 100 = 300 FP-POS  DARK  around to efficiently (1) WD0308-565  uffer time is 362, large served before no necupitime - 100 = 263	schedule the reconfiguration to SEG-COS/FUV, TIME-TAG, PSA	G140L	QASISTATES COS FUV HVLOW HVL OW  SS induced gaps.  BUFFER-TIME=26 3; FP-POS=3; SEGMENT=A; LIFETIME-POS=L	[==>] 363 Secs (363 Secs)	
Farget has been ob Set buffer time = ex Continue use of 1 F 10  Comments: Work-a  II G140L/800/ FUVA (COS.sp.130 2815)  Comments: ETC buffer time = ex	served before no nec typtime - 100 = 300 FP-POS  DARK  around to efficiently (1) WD0308-565  uffer time is 362, large served before no necupitime - 100 = 263	schedule the reconfiguration to SEG-COS/FUV, TIME-TAG, PSA	G140L	QASISTATES COS FUV HVLOW HVL OW  SS induced gaps.  BUFFER-TIME=26 3; FP-POS=3; SEGMENT=A; LIFETIME-POS=L	[==>] 363 Secs (363 Secs)	
Farget has been ob Set buffer time = ex Continue use of 1 F 10  Comments: Work-a  II G140L/800/ FUVA (COS.sp.130 2815)  Comments: ETC buffer time = ex	served before no nec typtime - 100 = 300 FP-POS  DARK  around to efficiently (1) WD0308-565  uffer time is 362, large served before no necupitime - 100 = 263	schedule the reconfiguration to SEG-COS/FUV, TIME-TAG, PSA	G140L	QASISTATES COS FUV HVLOW HVL OW  SS induced gaps.  BUFFER-TIME=26 3; FP-POS=3; SEGMENT=A; LIFETIME-POS=L	[==>] 363 Secs (363 Secs)	
Farget has been ob Set buffer time = ex Continue use of 1 F 10  Comments: Work-a  II G140L/800/ FUVA (COS.sp.130 2815)  Comments: ETC buffer time = ex	served before no nec typtime - 100 = 300 FP-POS  DARK  around to efficiently (1) WD0308-565  uffer time is 362, large served before no necupitime - 100 = 263	schedule the reconfiguration to SEG-COS/FUV, TIME-TAG, PSA	G140L	QASISTATES COS FUV HVLOW HVL OW  SS induced gaps.  BUFFER-TIME=26 3; FP-POS=3; SEGMENT=A; LIFETIME-POS=L	[==>] 363 Secs (363 Secs)	
Farget has been ob Set buffer time = ex Continue use of 1 F 10  Comments: Work-a  II G140L/800/ FUVA (COS.sp.130 2815)  Comments: ETC buffer time = ex	served before no nec typtime - 100 = 300 FP-POS  DARK  around to efficiently (1) WD0308-565  uffer time is 362, large served before no necupitime - 100 = 263	schedule the reconfiguration to SEG-COS/FUV, TIME-TAG, PSA	G140L	QASISTATES COS FUV HVLOW HVL OW  SS induced gaps.  BUFFER-TIME=26 3; FP-POS=3; SEGMENT=A; LIFETIME-POS=L	[==>] 363 Secs (363 Secs)	

Proposal 15535 - WD0308-FEB-withDELTA (03) - Cycle 26 COS FUV Spectroscopic Sensitivity Monitor G140L/1105 (1) WD0308-565 BUFFER-TIME=22 COS/FUV, TIME-TAG, PSA G140L 327 Secs (327 Secs) /FUVA (COS.sp.102 1720) 7; 1105 A [==>] FP-POS=3; SEGMENT=A; [3] LIFETIME-POS=L Comments: ETC buffer time is 362, 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 13 G130M/132 (1) WD0308-565 COS/FUV, TIME-TAG, PSA G130M BUFFER-TIME=17 278 Secs (278 Secs)

8;

P4;

FP-POS=3; LIFETIME-POS=L

SEGMENT=A

[==>]

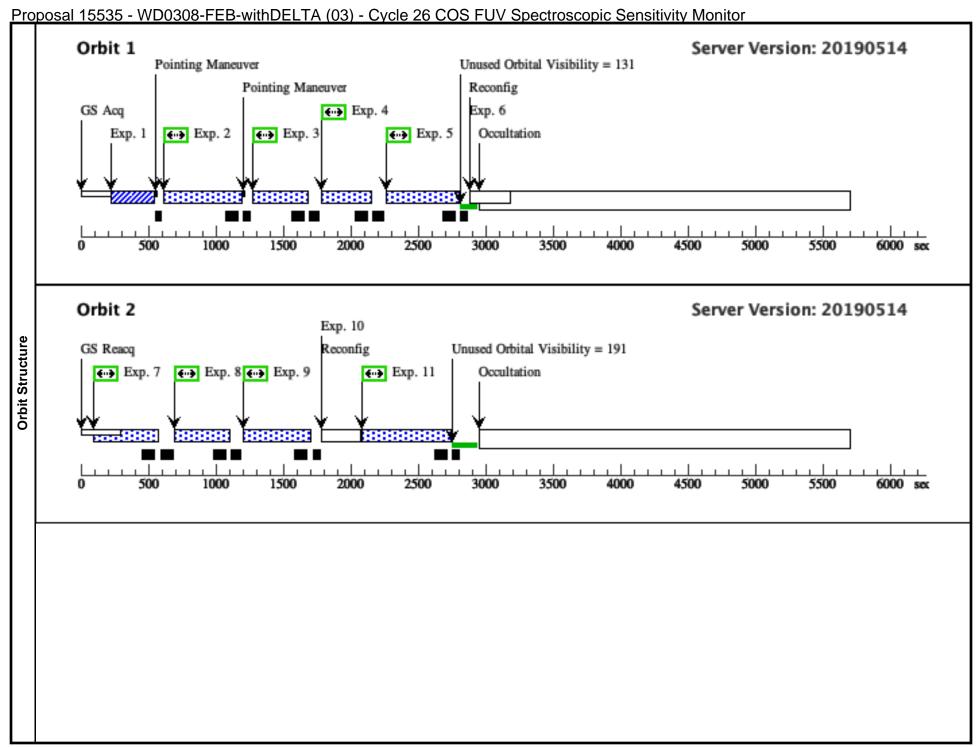
[3]

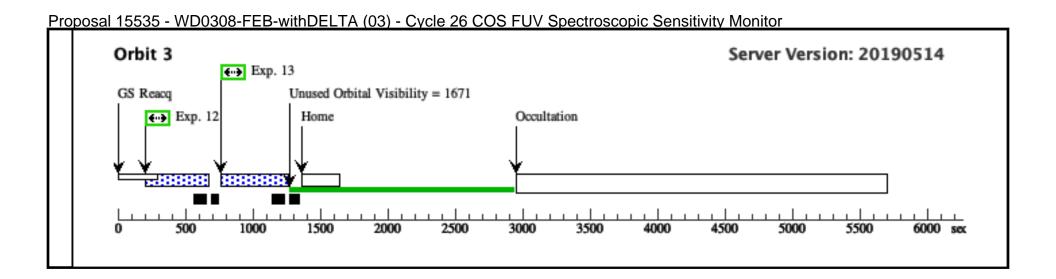
1327 A

Comments: ETC buffer time is 320 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 = 2/3 safety margin.

7/FUVA

(COS.sp.102 1693)





Proposal 15535 - WD0308-FEB-withDELTA (53) - Cycle 26 COS FUV Spectroscopic Sensitivity Monitor

Proposal 15535, WD0308-FEB-withDELTA (53), completed

Wed Oct 30 13:01:00 GMT 2019

Diagnostic Status: No Diagnostics

Visit

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

Special Requirements: SCHED 100%; BETWEEN 18-FEB-2019:00:00:00 AND 23-APR-2019:00:00:00

Comments: New cenwaves G160M/1533/B and G140L/800/A have been added to the visit. All G160M observations are now with SEGMENT = B (i.e. segment A is turned off).

l s	#	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
E			Dec: -56 23 49.41 (-56.39706d)	Proper Motion Dec: 0.0643 arcsec/yr		
⊨			Equinox: J2000	Epoch of Position: 2000		
Fixed	Ca De	omments: Coordinates carried over j ategory=STAR escription=[DB] xtended=NO	from Cycle 25 proposal			

Proposal 15535 - WD0308-FEB-withDELTA (53) - Cycle 26 COS FUV Spectroscopic Sensitivity Monitor

Run)	arget	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orb		
M (1	) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				45 Secs (45 Secs)			
				1.00			[==>]	[1]		
_		<u> </u>			affect orbit requested		262 Sags (262 Sags)	1		
`	) WD0308-303	COS/FOV, TIME-TAG, FSA		3;						
p.130			1033 11	FP-POS=3;						
				SEGMENT=BOTH;				[1]		
een obser ie = expt	ved before no need ime - 100	ın exptime (1482) 1 to 2/3 factor						•		
		COS/FUV, TIME-TAG, PSA	G130M	BUFFER-TIME=15			254 Secs (254 Secs)			
p.130			1222 A	4;			[==>]			
				*				[1		
		P4;				"				
				SEGMENT=BOTH						
Comments: ETC buffer time is 395 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 = 126 Continue use of 1 FP-POS										
I/129 (1	) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M	BUFFER-TIME=13			233 Secs (233 Secs)			
1 (COS.sp.131 1908)	1291 A				[==>]					
								[]		
				P4;				'		
				SEGMENT=BOTH						
ime larg	er than exptime us	Farget has been observed before and e buffer time = exptime -100 sec to m	so no need for 2/3 s caximize time on tar	rafety margin. get = 144						
	) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L	BUFFER-TIME=22			328 Secs (328 Secs)			
p.102			1280 A				I = => J			
				LIFETIME-POS=L				[1		
				P4;						
				SEGMENT=BOTH						
	er time is 451, larg	er than exptime d to 2/3 factor								
een obser	ime - 100 = 180									
een obser ne = expt of 1 FP-	ime - 100 = 180	S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVL		1 Secs (1 Secs)			
	T/105 (1 p.130  ETC buffe een observe e expti- e of 1 FP- 1/122 (1 p.130  ETC buffe time large e of 1 FP- 1/129 (1 p.131	ETC buffer time is larger the een observed before no need to e = exptime - 100 to f 1 FP-POS  1/122 (1) WD0308-565  1/122 (1) WD0308-565  1/129 (1) WD0308-565  1/129 (1) WD0308-565  1/129 (1) WD0308-565  1/129 (1) WD0308-565  1/1280 (1) WD0308-565	ETC buffer time is larger than exptime (1482) een observed before no need to 2/3 factor ne = exptime - 100 e of 1 FP-POS  1/122 (1) WD0308-565 COS/FUV, TIME-TAG, PSA p.130  ETC buffer time is 395 sec. Target has been observed before and time larger than exptime use buffer time = exptime -100 sec to me of 1 FP-POS  1/129 (1) WD0308-565 COS/FUV, TIME-TAG, PSA p.131  ETC buffer time is 322 sec. Target has been observed before and time larger than exptime use buffer time = exptime -100 sec to me of 1 FP-POS  1/1280 (1) WD0308-565 COS/FUV, TIME-TAG, PSA	ETC buffer time is larger than exptime (1482) een observed before no need to 2/3 factor ne = exptime - 100 of 1 FP-POS  1/122 (1) WD0308-565 COS/FUV, TIME-TAG, PSA G130M p.130 1222 A  ETC buffer time is 395 sec. Target has been observed before and so no need for 2/3 stime larger than exptime use buffer time = exptime -100 sec to maximize time on target of 1 FP-POS  1/129 (1) WD0308-565 COS/FUV, TIME-TAG, PSA G130M p.131 1291 A  ETC buffer time is 322 sec. Target has been observed before and so no need for 2/3 stime larger than exptime use buffer time = exptime -100 sec to maximize time on target for 1 FP-POS  1/1280 (1) WD0308-565 COS/FUV, TIME-TAG, PSA G140L	Discrete from the properties of the properties o	Dilos (1) WD0308-565 COS/FUV, TIME-TAG, PSA G130M BUFFER-TIME=26 p.130  1055 A  3; FP-POS=3; SEGMENT=BOTH; LIFETIME-POS=L P2  TTC buffer time is larger than exptime (1482) een observed before no need to 2/3 factor the exptime - 100 to f1 FP-POS  1222 A  4; FP-POS=3; LIFETIME-POS=L P4; SEGMENT=BOTH STC buffer time is 395 sec. Target has been observed before and so no need for 2/3 safety margin. time larger than exptime use buffer time = exptime -100 sec to maximize time on target = 126  1291 A  129	p.130  1055 A  FP-POS=3; SEGMENT=BOTH; LIFETIME-POS=L P2  STC buffer time is larger than exptime (1482) een observed before no need to 2/3 factor tee = exptime - 100 tof 1FP-POS  V122 (1) WD0308-565 COS/FUV, TIME-TAG, PSA G130M BUFFER-TIME=15 p.130  FP-POS=3; LIFETIME-POS=L P4; SEGMENT=BOTH  STC buffer time is 395 sec. Target has been observed before and so no need for 2/3 safety margin. time larger than exptime use buffer time = exptime -100 sec to maximize time on target = 126  V129 (1) WD0308-565 COS/FUV, TIME-TAG, PSA G130M BUFFER-TIME=13 p.131  FP-POS=3; LIFETIME-POS=L P4; SEGMENT=BOTH  STC buffer time is 322 sec. Target has been observed before and so no need for 2/3 safety margin. LIFETIME-POS=L P4; SEGMENT=BOTH  SEGMENT=BOTH	1055   10   WD0308-565   COS/FUV, TIME-TAG, PSA   G130M   BUFFER-TIME=26   363 Secs   (363 Secs)   f=>		

0100111/1	53 (1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M	FP-POS=3;	222 Secs (222 Secs)	
3/B			1533 A	BUFFER-TIME=12	[==>]	
(COS.sp.1 1897)	.51			2;		
				LIFETIME-POS=L P4;		[
				SEGMENT=B		
Target has been	C buffer time is 487, larg a observed before no ned = exptime - 100	ger than exptime ed to 2/3 factor				,
Continue use of	1 FP-POS					
	57 (1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M	FP-POS=3;	273 Secs (273 Secs)	
7/B (COS.sp.1	31		1577 A	BUFFER-TIME=17	[==>]	
1899)	.51			3;		
				LIFETIME-POS=L P4;		1
				SEGMENT=B		
Comments: ETC	C buffer time is 599, larg	ger than exptime				I
Target has been	n observed before no ned exptime - 100	ed to 2/3 factor				
Continue use of						
G160M/1 3/B	62 (1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M	FP-POS=3;	369 Secs (369 Secs)	
(COS.sp.1	(COS.sp.131 1901)		1623 A	BUFFER-TIME=26 9;	[==>]	
1901)				LIFETIME-POS=L		
				P4;		'
				GEGLEENE D		
				SEGMENT=B		
Comments: ETC Target has been Set buffer time : Continue use of	C buffer time is 799, larg a observed before no ned = exptime - 100 = 300 51 FP-POS	ger than exptime ed to 2/3 factor		SEGMEN I=B		
Comments: ETC Target has been Set buffer time : Continue use of	C buffer time is 799, larg observed before no ned = exptime - 100 = 300 1 FP-POS DARK	ger than exptime ed to 2/3 factor S/C, DATA, NONE		QASISTATES COS	1 Secs (1 Secs)	
Target has been Set buffer time : Continue use of	n observed before no nec = exptime - 100 = 300 51 FP-POS	ed to 2/3 factor		QASISTATES COS FUV HVLOW HVL	1 Secs (1 Secs)  [==>]	
Target has been Set buffer time : Continue use of 10	n observed before no nec = exptime - 100 = 300 <u>F1 FP-POS</u> DARK	ed to 2/3 factor S/C, DATA, NONE	A. Fliminates SPS	QASISTATES COS FUV HVLOW HVL OW		
Target has been Set buffer time : Continue use of 10 Comments: Wo	n observed before no nee = exptime - 100 = 300 E1 FP-POS DARK phanta to efficiently	ed to 2/3 factor  S/C, DATA, NONE  schedule the reconfiguration to SEG-		QASISTATES COS FUV HVLOW HVL OW SS induced gaps.	[==>]	
Comments: Wo. FUVA	n observed before no need a cyptime - 100 = 300 of 1 FP-POS  DARK  rk-around to efficiently 100/ (1) WD0308-565	ed to 2/3 factor S/C, DATA, NONE	A. Eliminates SPS G140L 800 A	QASISTATES COS FUV HVLOW HVL OW	[==>] 363 Secs (363 Secs)	
Comments: Wo. FUVA	n observed before no need a cyptime - 100 = 300 of 1 FP-POS  DARK  rk-around to efficiently 100/ (1) WD0308-565	ed to 2/3 factor  S/C, DATA, NONE  schedule the reconfiguration to SEG-	G140L	QASISTATES COS FUV HVLOW HVL OW SS induced gaps. BUFFER-TIME=26	[==>]	
Target has been Set buffer time: Continue use of 10  Comments: Wo. 11 G140L/80	n observed before no need a cyptime - 100 = 300 of 1 FP-POS  DARK  rk-around to efficiently 100/ (1) WD0308-565	ed to 2/3 factor  S/C, DATA, NONE  schedule the reconfiguration to SEG-	G140L	QASISTATES COS FUV HVLOW HVL OW  SS induced gaps.  BUFFER-TIME=26 3; FP-POS=3; SEGMENT=A;	[==>] 363 Secs (363 Secs)	
Comments: Wo. FUVA	n observed before no need a cyptime - 100 = 300 of 1 FP-POS  DARK  rk-around to efficiently 100/ (1) WD0308-565	ed to 2/3 factor  S/C, DATA, NONE  schedule the reconfiguration to SEG-	G140L	QASISTATES COS FUV HVLOW HVL OW  SS induced gaps.  BUFFER-TIME=26 3; FP-POS=3; SEGMENT=A; LIFETIME-POS=L	[==>] 363 Secs (363 Secs)	
Comments: Wo.  G140L/80 FUVA (COS.sp.1	n observed before no nee = exptime - 100 = 300 F 1 FP-POS DARK prk-around to efficiently 100/ (1) WD0308-565 30	ed to 2/3 factor  S/C, DATA, NONE  schedule the reconfiguration to SEG- COS/FUV, TIME-TAG, PSA	G140L	QASISTATES COS FUV HVLOW HVL OW  SS induced gaps.  BUFFER-TIME=26 3; FP-POS=3; SEGMENT=A;	[==>] 363 Secs (363 Secs)	
Comments: ETC Comments: ETC Comments: Wo.	a observed before no nee = exptime - 100 = 300 ETFP-POS DARK ork-around to efficiently (100) (1) WD0308-565 30 C buffer time is 362, large to observed before no nee	ed to 2/3 factor  S/C, DATA, NONE  schedule the reconfiguration to SEG- COS/FUV, TIME-TAG, PSA	G140L	QASISTATES COS FUV HVLOW HVL OW  SS induced gaps.  BUFFER-TIME=26 3; FP-POS=3; SEGMENT=A; LIFETIME-POS=L	[==>] 363 Secs (363 Secs)	
Comments: Wo.  Glanget has been to buffer time:  Continue use of the time of t	a observed before no nee = exptime - 100 = 300 F 1 FP-POS  DARK  The around to efficiently 100/ (1) WD0308-565 30  C buffer time is 362, large to observed before no nee = exptime - 100 = 263	ed to 2/3 factor  S/C, DATA, NONE  schedule the reconfiguration to SEG- COS/FUV, TIME-TAG, PSA	G140L	QASISTATES COS FUV HVLOW HVL OW  SS induced gaps.  BUFFER-TIME=26 3; FP-POS=3; SEGMENT=A; LIFETIME-POS=L	[==>] 363 Secs (363 Secs)	
Comments: ETC Comments: ETC Comments: Wo.	a observed before no nee = exptime - 100 = 300 F 1 FP-POS  DARK  The around to efficiently 100/ (1) WD0308-565 30  C buffer time is 362, large to observed before no nee = exptime - 100 = 263	ed to 2/3 factor  S/C, DATA, NONE  schedule the reconfiguration to SEG- COS/FUV, TIME-TAG, PSA	G140L	QASISTATES COS FUV HVLOW HVL OW  SS induced gaps.  BUFFER-TIME=26 3; FP-POS=3; SEGMENT=A; LIFETIME-POS=L	[==>] 363 Secs (363 Secs)	
Comments: Wo.  Glanget has been to buffer time:  Continue use of the time of t	a observed before no nee = exptime - 100 = 300 F 1 FP-POS  DARK  The around to efficiently 100/ (1) WD0308-565 30  C buffer time is 362, large to observed before no nee = exptime - 100 = 263	ed to 2/3 factor  S/C, DATA, NONE  schedule the reconfiguration to SEG- COS/FUV, TIME-TAG, PSA	G140L	QASISTATES COS FUV HVLOW HVL OW  SS induced gaps.  BUFFER-TIME=26 3; FP-POS=3; SEGMENT=A; LIFETIME-POS=L	[==>] 363 Secs (363 Secs)	
Comments: Wo.  Glanget has been to buffer time:  Continue use of the time of t	a observed before no nee = exptime - 100 = 300 F 1 FP-POS  DARK  The around to efficiently 100/ (1) WD0308-565 30  C buffer time is 362, large to observed before no nee = exptime - 100 = 263	ed to 2/3 factor  S/C, DATA, NONE  schedule the reconfiguration to SEG- COS/FUV, TIME-TAG, PSA	G140L	QASISTATES COS FUV HVLOW HVL OW  SS induced gaps.  BUFFER-TIME=26 3; FP-POS=3; SEGMENT=A; LIFETIME-POS=L	[==>] 363 Secs (363 Secs)	
Comments: Wo.  Glanget has been to buffer time:  Continue use of the time of t	a observed before no nee = exptime - 100 = 300 F 1 FP-POS  DARK  The around to efficiently 100/ (1) WD0308-565 30  C buffer time is 362, large to observed before no nee = exptime - 100 = 263	ed to 2/3 factor  S/C, DATA, NONE  schedule the reconfiguration to SEG- COS/FUV, TIME-TAG, PSA	G140L	QASISTATES COS FUV HVLOW HVL OW  SS induced gaps.  BUFFER-TIME=26 3; FP-POS=3; SEGMENT=A; LIFETIME-POS=L	[==>] 363 Secs (363 Secs)	
Comments: Wo.  Glanget has been to buffer time:  Continue use of the time of t	a observed before no nee = exptime - 100 = 300 F 1 FP-POS  DARK  The around to efficiently 100/ (1) WD0308-565 30  C buffer time is 362, large to observed before no nee = exptime - 100 = 263	ed to 2/3 factor  S/C, DATA, NONE  schedule the reconfiguration to SEG- COS/FUV, TIME-TAG, PSA	G140L	QASISTATES COS FUV HVLOW HVL OW  SS induced gaps.  BUFFER-TIME=26 3; FP-POS=3; SEGMENT=A; LIFETIME-POS=L	[==>] 363 Secs (363 Secs)	

Proposal 15535 - WD0308-FEB-withDELTA (53) - Cycle 26 COS FUV Spectroscopic Sensitivity Monitor G140L/1105 (1) WD0308-565 BUFFER-TIME=22 COS/FUV, TIME-TAG, PSA G140L 327 Secs (327 Secs) /FUVA (COS.sp.102 1720) 7; 1105 A [==>] FP-POS=3; SEGMENT=A; [3] LIFETIME-POS=L Comments: ETC buffer time is 362, 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 13 G130M/132 (1) WD0308-565 COS/FUV, TIME-TAG, PSA G130M BUFFER-TIME=17 278 Secs (278 Secs) 7/FUVA 8; 1327 A [==>] (COS.sp.102 1693) FP-POS=3;

P4;

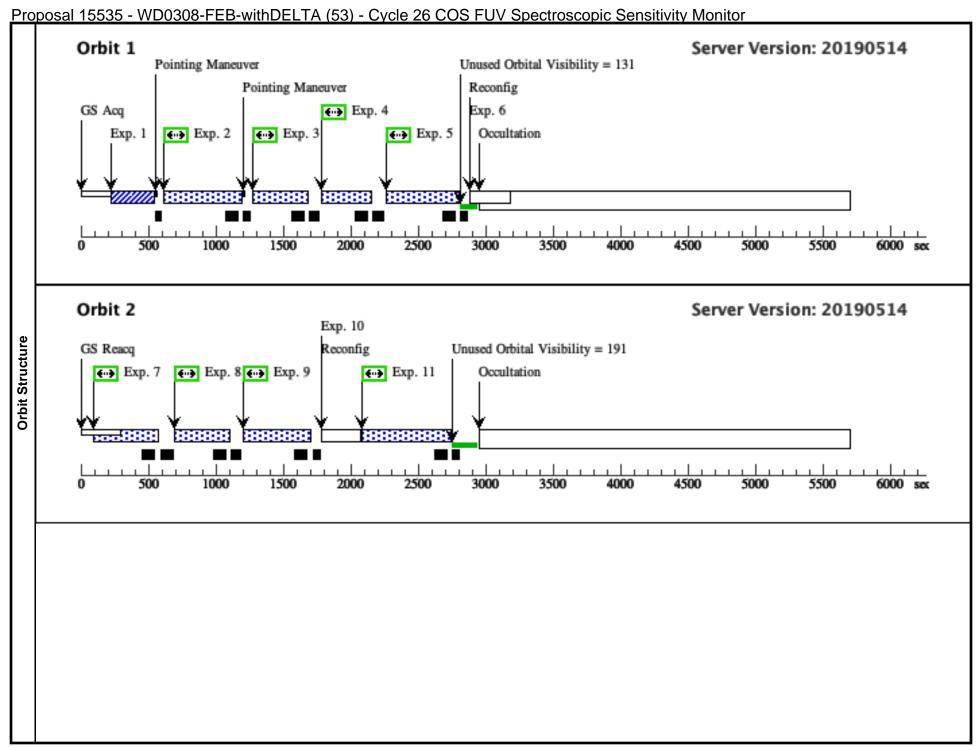
LIFETIME-POS=L

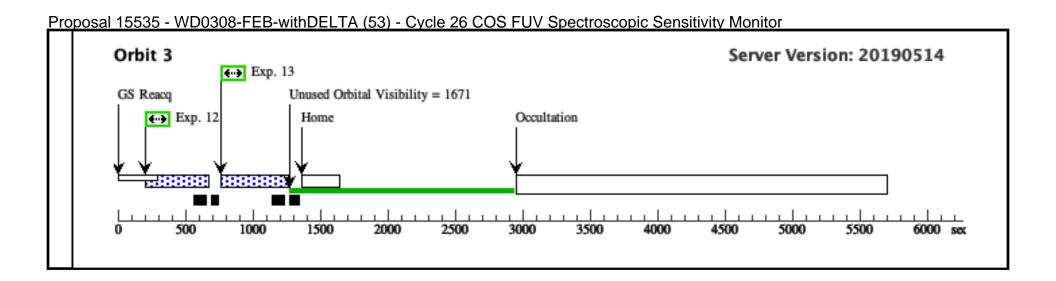
SEGMENT=A

[3]

Comments: ETC buffer time is 320 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





Proposal 15535 - GD71-FEB-withDELTA (04) - Cycle 26 COS FUV Spectroscopic Sensitivity Monitor

Proposal 15535, GD71-FEB-withDELTA (04), completed Wed Oct 30 13:01:00 GMT 2019

Diagnostic Status: No Diagnostics

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

Special Requirements: SCHED 100%; BETWEEN 18-FEB-2019:00:00:00 AND 27-FEB-2019:00:00:00 Comments: exposure 4: GO wavecal to calculate the OSM shifts of the G130M/1096/FUVB observation George Chapman added Exposure 3

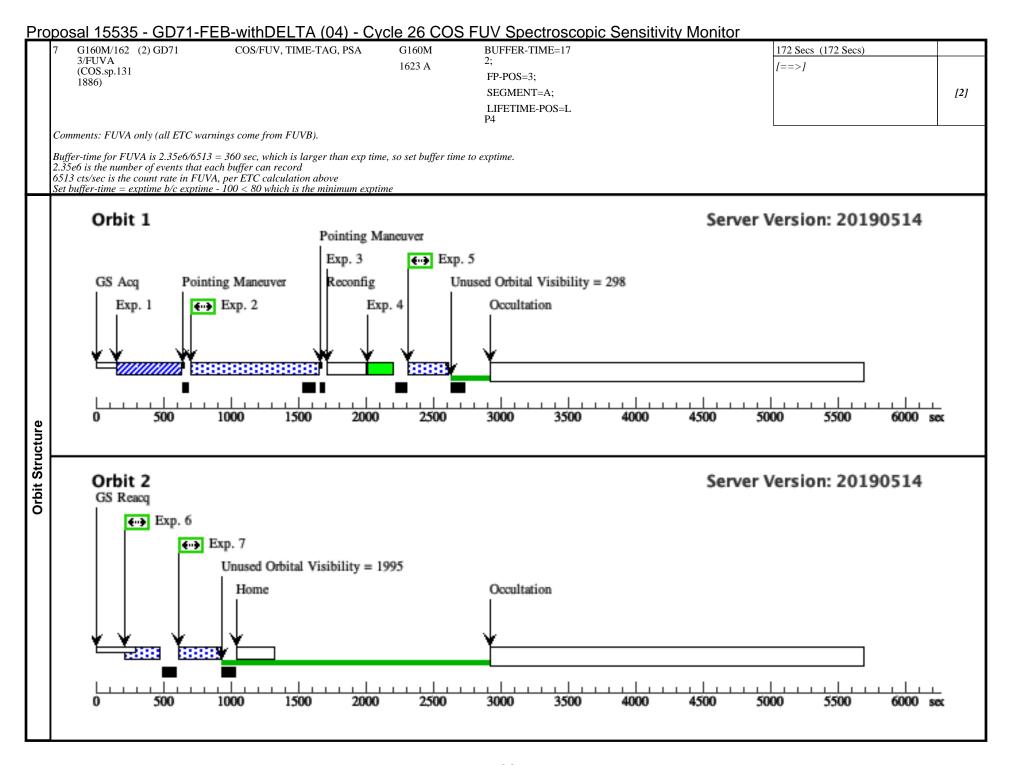
Optimized the exposure time for the G130M/1096 setting to increase its SNR (exp time = 744 s) while remaining within the allocated time.

New cenwave G160M/1533/A has been added to this visit.

	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
gets	(2)	GD71	RA: 05 52 27.6100 (88.1150417d)	Proper Motion RA: 85 mas/yr	V=13.06+/-0.01	Reference Frame: ICRS
၂ ဗွ			Dec: +15 53 13.80 (15.88717d)	Proper Motion Dec: -174 mas/yr		
⊒			Equinox: J2000	Epoch of Position: 2000		
	Comments: Carried ov Category= Description Extended=	STAR n=[DA]	M as in proposal 12392 by Bohlin et al.			

Proposal 15535 - GD71-FEB-withDELTA (04) - Cycle 26 COS FUV Spectroscopic Sensitivity Monitor

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(2) GD71	COS/NUV, ACQ/IMAGE, BOA	MIRRORB				90 Secs (90 Secs)	
	574)							[==>]	[1]
Con			is 105.5 sec, using 90 sec leads to S/N of 55						
2	G130M/109 6/FUVB/LP	(2) GD71	COS/FUV, TIME-TAG, PSA	G130M	BUFFER-TIME=64 4;			744 Secs (744 Secs)	
	2			1096 A	FP-POS=3;			[==>]	
	(COS.sp.839 576)				SEGMENT=B;				[1]
	,				LIFETIME-POS=L				
			warnings come from FUVA).		P2				
Set 3		xptime - 100 se DARK	s/c, DATA, NONE			QASISTATES CO		1 Secs (1 Secs)	1
		DAKK	S/C, DATA, NONE			FUV HVLOW HV	Ĺ	[==>]	[1]
C			and and also de CEC By CEC A manufic		- CDCC : 1 1	OW		<i>t</i>	[1]
Lon 1	mments: work-a G130M/109		ently schedule the SEG-B to SEG-A reconfig COS/FUV, TIME-TAG, WCA	G130M	FP-POS=3;			140 Secs (140 Secs)	
4	6/FUVA W	WAVE	COS/FUV, HIVIE-TAG, WCA	1096 A	SEGMENT=A;			[==>]	
	AVECAL/L P2			1070 A	FLASH=NO;			1>1	
				LIFETIME-POS=L				[1]	
					P2				
5	G160M/153 (2) GD71 3/FUVA (COS.sp.131 1884)	GD71 COS/FUV, TIME-TAG, PSA	G160M	BUFFER-TIME=10			103 Secs (103 Secs)		
			1533 A	3; FP-POS=3;			[==>]		
					SEGMENT=A;				[1]
5					LIFETIME-POS=L				[1]
					P4				
Con	mments: FUVA	only (all ETC v	varnings come from FUVB).						
651	3 cts/sec is the	count rate in F	513 = 360 sec, which is larger than exp time tt each buffer can record UVA, per ETC calculation above ime - 100 < 80 which is the minimum exptin		to exptime.				
6	G160M/157		COS/FUV, TIME-TAG, PSA	G160M	BUFFER-TIME=13			132 Secs (132 Secs)	
	7/FUVA (COS.sp.131			1577 A	2;			[==>]	
	1885)				FP-POS=3;				507
					SEGMENT=A;				[2]
					LIFETIME-POS=L P4				
Con	mments: FUVA	only (all ETC v	warnings come from FUVB).						
2.35 651	5e6 is the numb !3 cts/sec is the	er of events tha count rate in F	513 = 360 sec, which is larger than exp time tt each buffer can record UVA, per ETC calculation above ime - 100 < 80 which is the minimum exptin		to exptime.				



Proposal 15535 - WD0308-APR-withDELTA (05) - Cycle 26 COS FUV Spectroscopic Sensitivity Monitor

Proposal 15535, WD0308-APR-withDELTA (05), completed Wed Oct 30 13:01:00 GMT 2019

Diagnostic Status: No Diagnostics Visit

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

Special Requirements: SCHED 100%; BETWEEN 10-APR-2019:00:00:00 AND 23-APR-2019:00:00:00

Comments: New cenwaves G160M/1533/B and G140L/800/A have been added to the visit. All G160M observations are now with SEGMENT = B (i.e. segment A is turned off).

s	#	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		
] F			Equinox: J2000	Epoch of Position: 2000		
	Catego	ents: Coordinates carried over ry=STAR otion=[DB] ed=NO	from Cycle 25 proposal			

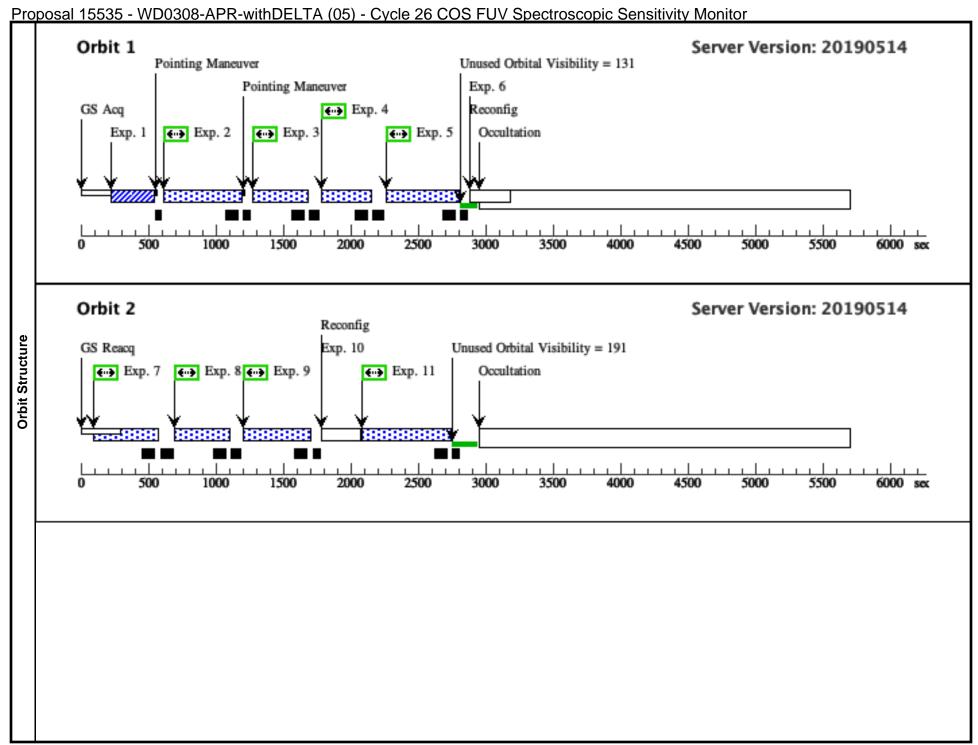
Proposal 15535 - WD0308-APR-withDELTA (05) - Cycle 26 COS FUV Spectroscopic Sensitivity Monitor

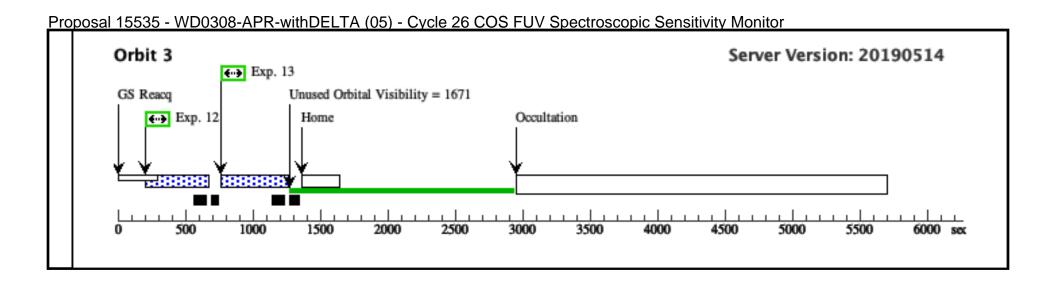
BUFFER-TIME=15 4; FP-POS=3; BUFFER-TIME=0TH LIFETIME-POS=1 P2  BUFFER-TIME=15 4; FP-POS=3; LIFETIME-POS=1 P4; SEGMENT=BOTH // Safety margin.	5 H;	45 Secs (45 Secs) [==>]  363 Secs (363 Secs) [==>]  254 Secs (254 Secs)	[1]
BUFFER-TIME=26 3; FP-POS=3; SEGMENT=BOTH LIFETIME-POS=L P2  BUFFER-TIME=15 4; FP-POS=3; LIFETIME-POS=L P4; SEGMENT=BOTH	5 H;	363 Secs (363 Secs) [==>]  254 Secs (254 Secs)	
BUFFER-TIME=26 3; FP-POS=3; SEGMENT=BOTH LIFETIME-POS=L P2  BUFFER-TIME=15 4; FP-POS=3; LIFETIME-POS=L P4; SEGMENT=BOTH	5 H;	[==>] 254 Secs (254 Secs)	[1]
3; FP-POS=3; SEGMENT=BOTH LIFETIME-POS=L P2 BUFFER-TIME=15 4; FP-POS=3; LIFETIME-POS=L P4; SEGMENT=BOTH	H;	[==>] 254 Secs (254 Secs)	[1]
FP-POS=3; SEGMENT=BOTH LIFETIME-POS=L P2  BUFFER-TIME=15 4; FP-POS=3; LIFETIME-POS=L P4; SEGMENT=BOTH	5	254 Secs (254 Secs)	[1]
BUFFER-TIME=15 4; FP-POS=3; LIFETIME-POS=L P4; SEGMENT=BOTH	5	`	[1]
BUFFER-TIME=15 4; FP-POS=3; LIFETIME-POS=L P4; SEGMENT=BOTH	5	`	
4; FP-POS=3; LIFETIME-POS=L P4; SEGMENT=BOTH		`	
4; FP-POS=3; LIFETIME-POS=L P4; SEGMENT=BOTH		`	$\overline{}$
FP-POS=3; LIFETIME-POS=L P4; SEGMENT=BOTH	٠		
LIFETIME-POS=L P4; SEGMENT=BOTH		[==>]	
P4; SEGMENT=BOTF	4		[1]
			[1]
/3 safety margin	ł		
target = 126			
BUFFER-TIME=13	3	233 Secs (233 Secs)	
3; FP-POS=3;		[==>]	
LIFETIME-POS=I			[1]
P4;	-		[ [
SEGMENT=BOTH	ł		
/3 safety margin. target = 144			
BUFFER-TIME=22	2	328 Secs (328 Secs)	
8; FP-POS=3;		[==>]	
LIFETIME-POS=I			[1]
P4;	_		[1]
SEGMENT=BOTH	Ŧ		
FUV I	QASISTATES COS FUV HVLOW HVL	1 Secs (1 Secs)	
		[==>]	[1]
	SS induced gaps.	FUV HVLOW HVL OW	FUV HVLOW HVL OW [==>]

1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M	FP-POS=3;		222 Secs (222 Secs)	
3/B (COS.sp.131 1897)		1533 A	BUFFER-TIME=12		[==>]	
			2;			
			LIFETIME-POS=L P4;			[2
			SEGMENT=B			
fer time is 487, larg erved before no nee stime - 100	ger than exptime ed to 2/3 factor					
P-POS						
1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M	FP-POS=3;		273 Secs (273 Secs)	
7/B (COS.sp.131 1899)	1577 A		,	[==>]		
			3;			
		SEGMENT=B				
fer time is 599, larg	ger than exptime					ļ
erved before no nee time - 100	ed to 2/3 factor					
P-POS						
1) WD0308-565	COS/FUV, TIME-TAG, PSA				-	
		1623 A		j	[==>]	
1901)			,			1
		P4;			1	
			SEGMENT=B			
fer time is 799, larg erved before no nee time - 100 = 300	ger than exptime ed to 2/3 factor					
				OACICTATES COS	1 Sags (1 Sags)	
0 DARK S/C, DATA, NONE			FUV HVLOW HVL			
				OW	[>]	[.
					T	
11 G140L/800/ (1) WD0308-565 COS/FUV, TIME-TAG, PSA FUVA (COS.sp.130 2815)	COS/FUV, TIME-TAG, PSA				,	
		800 A			I==>J	
			SEGMENT=A;			I
			LIFETIME-POS=L			'
			P4			
	erved before no neetime - 100 2-POS 1) WD0308-565 11 WD0308-565 12 POS 12 POS 13 WD0308-565 14 WD0308-565 15 WD0308-565 16 POS 16 POS 17 WD0308-565 17 WD0308-565 18 POS 1	2-POS  1) WD0308-565 COS/FUV, TIME-TAG, PSA  2-POS  1) WD0308-565 COS/FUV, TIME-TAG, PSA  2-POS  1) WD0308-565 COS/FUV, TIME-TAG, PSA  2-POS  2-POS  2-POS  2-POS  2-POS  3-POS  3-POS  4-POS  4-POS	P-POS  1) WD0308-565 COS/FUV, TIME-TAG, PSA G160M 1577 A  For time is 599, larger than exptime trived before no need to 2/3 factor time - 100  P-POS  1) WD0308-565 COS/FUV, TIME-TAG, PSA G160M 1623 A  For time is 799, larger than exptime trived before no need to 2/3 factor time - 100 = 300 1-POS  DARK S/C, DATA, NONE	P4; SEGMENT=B  For time is 487, larger than exptime rived before no need to 2/3 factor  time - 100  P-POS  I) WD0308-565 COS/FUV, TIME-TAG, PSA G160M FP-POS=3;  1577 A BUFFER-TIME=17 3;  LIFETIME-POS=L P4; SEGMENT=B  For time is 599, larger than exptime rived before no need to 2/3 factor time - 100  P-POS  I) WD0308-565 COS/FUV, TIME-TAG, PSA G160M FP-POS=3;  I) WD0308-565 COS/FUV, TIME-TAG, PSA G160M FP-POS=3;  LIFETIME-POS=L P4; SEGMENT=B  For time is 799, larger than exptime rived before no need to 2/3 factor time - 100 = 300 P-POS  DARK S/C, DATA, NONE  Dand to efficiently schedule the reconfiguration to SEG-A. Eliminates SPSS induced gaps.  1) WD0308-565 COS/FUV, TIME-TAG, PSA G140L BUFFER-TIME=26 800 A FP-POS=3;	Fer time is 487, larger than exptime revel before no need to 2/3 factor time - 100  POS  1) WD0308-565 COS/FUV, TIME-TAG, PSA G160M FP-POS=3;  LIFETIME-17 3;  LIFETIME-18 SEGMENT=B  FP-POS=4;  SEGMENT=B  FP-POS=3;  LIFETIME-POS=L P4;  SEGMENT=B  FP-POS=3;  LIFETIME-POS=L P4;  SEGMENT=B  FP-POS=3;  LIFETIME-POS=L P4;  SEGMENT=B  FP-POS=3;  LIFETIME-POS=1;  LIFETIME-POS=L P4;  SEGMENT=B  FP-POS=3;  LIFETIME-POS=L P4;  SEGMENT=B  FP-POS=3;  LIFETIME-POS=L P4;  SEGMENT=B  FP-POS=3;  FP-POS=3;  FP-POS=3;  DARK S/C, DATA, NONE QASISTATES COS FUV HVLOW	P4;   SEGMENT=B     SEGMENT=B       SEGMENT=B       SEGMENT=B     SEGMENT=B     SEGMENT=B     SEGMENT=B     SEGMENT=B     SEGMENT=B     SEGMENT=B     SEGMENT=B     SEGMENT=B     SEGMENT=B     SEGMENT=B   SEGM

Proposal 15535 - WD0308-APR-withDELTA (05) - Cycle 26 COS FUV Spectroscopic Sensitivity Monitor G140L/1105 (1) WD0308-565 /FUVA (COS.sp.102 1720) BUFFER-TIME=22 COS/FUV, TIME-TAG, PSA G140L 327 Secs (327 Secs) 7; 1105 A [==>] FP-POS=3; SEGMENT=A; [3] LIFETIME-POS=L Comments: ETC buffer time is 362, 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 13 G130M/132 (1) WD0308-565 COS/FUV, TIME-TAG, PSA G130M BUFFER-TIME=17 278 Secs (278 Secs) 7/FUVA 8; 1327 A [==>] (COS.sp.102 1693) FP-POS=3; LIFETIME-POS=L [3] P4; SEGMENT=A Comments: ETC buffer time is 320 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





Proposal 15535 - GD71-APR-withDELTA (06) - Cycle 26 COS FUV Spectroscopic Sensitivity Monitor

Proposal 15535, GD71-APR-withDELTA (06), failed Wed Oct 30 13:01:01 GMT 2019

Diagnostic Status: No Diagnostics

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

Special Requirements: SCHED 100%; BETWEEN 10-APR-2019:00:00:00 AND 23-APR-2019:00:00:00 Comments: exposure 4: GO wavecal to calculate the OSM shifts of the G130M/1096/FUVB observation George Chapman added Exposure 3

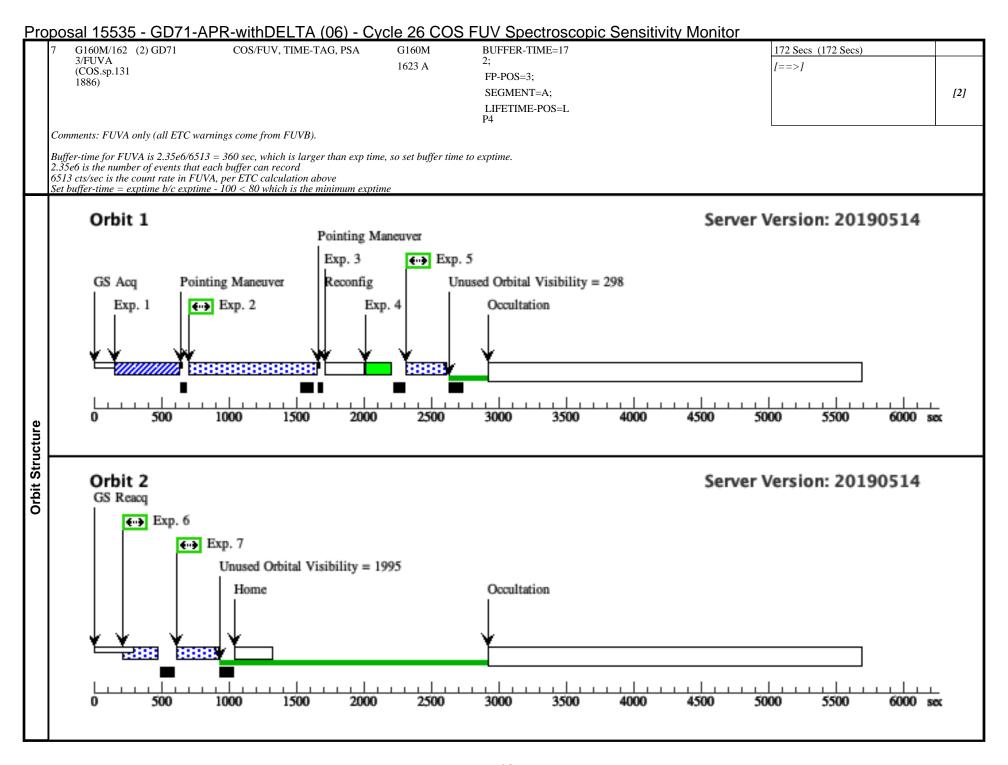
Optimized the exposure time for the G130M/1096 setting to increase its SNR (exp time = 744 s) while remaining within the allocated time.

New cenwave G160M/1533/A has been added to this visit.

	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
gets	(2)	GD71	RA: 05 52 27.6100 (88.1150417d)	Proper Motion RA: 85 mas/yr	V=13.06+/-0.01	Reference Frame: ICRS
၂ ဗွ			Dec: +15 53 13.80 (15.88717d)	Proper Motion Dec: -174 mas/yr		
⊒			Equinox: J2000	Epoch of Position: 2000		
	Comments: Carried ov Category= Description Extended=	STAR n=[DA]	M as in proposal 12392 by Bohlin et al.			

Proposal 15535 - GD71-APR-withDELTA (06) - Cycle 26 COS FUV Spectroscopic Sensitivity Monitor

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ/IM	(2) GD71	COS/NUV, ACQ/IMAGE, BOA	MIRRORB				90 Secs (90 Secs)	
	(COS.ta.839 574)							[==>]	[1]
Con	nments: Exptim	e for S/N of 60 i	is 105.5 sec, using 90 sec leads to S/N of 55						
2	G130M/109	(2) GD71	COS/FUV, TIME-TAG, PSA	G130M	BUFFER-TIME=64			744 Secs (744 Secs)	
	6/FUVB/LP 2			1096 A	4;			[==>]	
	(COS.sp.839				FP-POS=3;				
	576)				SEGMENT=B;				[1]
					LIFETIME-POS=L P2				
			varnings come from FUVA). $c = 644$ to maximize time on target.						•
3		DARK	S/C, DATA, NONE			QASISTATES CO		1 Secs (1 Secs)	
						FUV HVLOW HV OW	L	[==>]	[1]
Com	nments: Work-a	round to efficie	ently schedule the SEG-B to SEG-A reconfig	guration. Eliminate	s SPSS induced gaps.				Į
4	G130M/109		COS/FUV, TIME-TAG, WCA	G130M	FP-POS=3;			140 Secs (140 Secs)	
	6/FUVA W AVECAL/L			1096 A	SEGMENT=A;			[==>]	
	P2				FLASH=NO;				[1]
					LIFETIME-POS=L				[1]
<u> </u>	G4 503 5/4 50	(A) GDE1		G1 503 5	P2			100 0 (100 0 )	
5	G160M/153 3/FUVA	(2) GD71	COS/FUV, TIME-TAG, PSA	G160M	BUFFER-TIME=10 3;			103 Secs (103 Secs)	
	(COS.sp.131			1533 A	FP-POS=3;			[==>]	
.	1884)				SEGMENT=A;				[1]
					LIFETIME-POS=L				
					P4				
Con	nments: FUVA	only (all ETC w	varnings come from FUVB).						
2.35 651.	5e6 is the numb 3 cts/sec is the	er of events that count rate in FU	i 13 = 360 sec, which is larger than exp time t each buffer can record UVA, per ETC calculation above		to exptime.				
Set l	buffer-time = e	xptime b/c expti	me - 100 < 80 which is the minimum exptin						
6	G160M/157 7/FUVA	(2) GD71	COS/FUV, TIME-TAG, PSA	G160M	BUFFER-TIME=13 2;			132 Secs (132 Secs)	
	(COS.sp.131			1577 A	FP-POS=3;			[==>]	
	1885)				SEGMENT=A;				[2]
					LIFETIME-POS=L				'-'
Con	nments: FUVA	only (all ETC w	varnings come from FUVB).		P4				
		• .	,	1 00					
2.35 6513	5e6 is the numb 3 cts/sec is the	er of events that count rate in FU	i 13 = 360 sec, which is larger than exp time t each buffer can record UVA, per ETC calculation above		to exptime.				
Set l	buffer-time = e	xptime b/c expti	me-100 < 80 which is the minimum exptin	ne					



Proposal 15535 - GD71-APR-withDELTA (56) - Cycle 26 COS FUV Spectroscopic Sensitivity Monitor

Proposal 15535, GD71-APR-withDELTA (56), withdrawn Wed Oct 30 13:01:01 GMT 2019

Diagnostic Status: No Diagnostics

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

Special Requirements: SCHED 100%

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

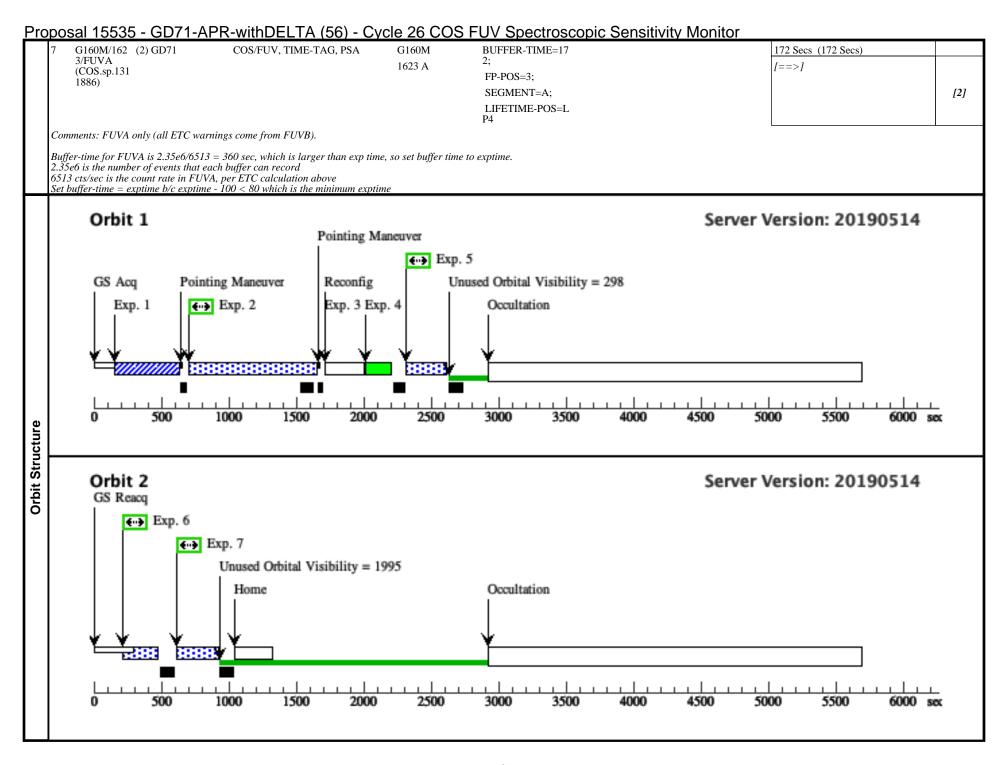
Optimized the exposure time for the G130M/1096 setting to increase its SNR (exp time = 744 s) while remaining within the allocated time.

New cenwave G160M/1533/A has been added to this visit.

		# Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
1 4	212	(2) GD71	RA: 05 52 27.6100 (88.1150417d)	Proper Motion RA: 85 mas/yr	V=13.06+/-0.01	Reference Frame: ICRS
}	מ		Dec: +15 53 13.80 (15.88717d)	Proper Motion Dec: -174 mas/yr		
15	2		Equinox: J2000	Epoch of Position: 2000		
- 60213	ואם	Comments: Use sma RA, DEC amd I Carried over from Cycle 25 proposal Category=STAR Description=[DA] Extended=NO	PM as in proposal 12392 by Bohlin et al. l.			

Proposal 15535 - GD71-APR-withDELTA (56) - Cycle 26 COS FUV Spectroscopic Sensitivity Monitor

	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ/IM	(2) GD71	COS/NUV, ACQ/IMAGE, BOA	MIRRORB				90 Secs (90 Secs)	
	(COS.ta.839 574)							[==>]	[1]
Com	ments: Exptim	e for S/N of 60 is	s 105.5 sec, using 90 sec leads to S/N of 55	5.					
	G130M/109	(2) GD71	COS/FUV, TIME-TAG, PSA	G130M	BUFFER-TIME=64			744 Secs (744 Secs)	
	6/FUVB/LP 2			1096 A	4; FP-POS=3;			[==>]	
	(COS.sp.839 576)				SEGMENT=B;				[1]
	370)				LIFETIME-POS=L				[1]
					P2				1
Comr Set bi	ments: FUVB   uffer-time = e:	only (all ETC wo xptime - 100 sec	arnings come from FUVA). = 644 to maximize time on target.						
3	100	DARK	S/C, DATA, NONE			QASISTATES CO		1 Secs (1 Secs)	
						FUV HVLOW HV OW	L	[==>]	[1]
Com	ments: Work-a	round to efficier	ntly schedule the SEG-B to SEG-A reconfig	guration. Eliminate	s SPSS induced gaps.	0 11			1
	G130M/109		COS/FUV, TIME-TAG, WCA	G130M	FP-POS=3;			140 Secs (140 Secs)	
	6/FUVA W AVECAL/L			1096 A	SEGMENT=A;			[==>]	
	P2				FLASH=NO;				[1]
					LIFETIME-POS=L				[-]
5	G160M/153	(2) GD71	COS/FUV, TIME-TAG, PSA	G160M	P2 BUFFER-TIME=10			103 Secs (103 Secs)	
	3/FUVA	(2) (3)/1	COS/TOV, TIME THO, TSM	1533 A	3;			[==>]	
	(COS.sp.131 1884)				FP-POS=3;				
	,				SEGMENT=A;				[1]
					LIFETIME-POS=L P4				
Com	ments: FUVA	only (all ETC wa	arnings come from FUVB).						!
Ruffe	r-time for FII	VA is 2 35e6/65	13 = 360 sec, which is larger than exp time	e so set huffer time	to exptime				
2.35e	e6 is the numb	er of events that	each buffer can record	e, so set oujjer time	ю ехрите.				
Set bi	cts/sec is the c uffer-time = e.	count rate in FU xptime b/c exptin	VA, per ETC calculation above ne - 100 < 80 which is the minimum exptin	ne					
	G160M/157	(2) GD71	COS/FUV, TIME-TAG, PSA	G160M	BUFFER-TIME=13			132 Secs (132 Secs)	
	7/FUVA (COS.sp.131			1577 A	2;			[==>]	
	1885)				FP-POS=3;				[2]
					SEGMENT=A; LIFETIME-POS=L				[2]
					P4				
Com	ments: FUVA	only (all ETC we	arnings come from FUVB).						
Ruffe	r-time for FU	VA is 2.35e6/65	13 = 360 sec, which is larger than exp time	e so set huffer time	to exptime				
2.35e	e6 is the numb	er of events that	each buffer can record	s, so set styjet time	io espisite.				
Set bi	cts/sec is the c uffer-time = e.	count rate in FU xptime b/c exptin	VA, per ETC calculation above ne - 100 < 80 which is the minimum exptin	ne					
		_ *	•						
1									



Proposal 15535 - WD0308-JUN-withDELTA (07) - Cycle 26 COS FUV Spectroscopic Sensitivity Monitor

Proposal 15535, WD0308-JUN-withDELTA (07), failed Wed Oct 30 13:01:01 GMT 2019

Diagnostic Status: No Diagnostics Visit

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

Special Requirements: SCHED 100%; BETWEEN 05-JUN-2019:00:00:00 AND 18-JUN-2019:00:00:00

Comments: New cenwaves G160M/1533/B and G140L/800/A have been added to the visit. All G160M observations for the June observations, visit 07, are now with SEGMENT = BOTH.

l s	#	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
E			Dec: -56 23 49.41 (-56.39706d)	Proper Motion Dec: 0.0643 arcsec/yr		
⊨			Equinox: J2000	Epoch of Position: 2000		
Fixed	Ca De	omments: Coordinates carried over j ategory=STAR escription=[DB] xtended=NO	from Cycle 25 proposal			

Proposal 15535 - WD0308-JUN-withDELTA (07) - Cycle 26 COS FUV Spectroscopic Sensitivity Monitor

1	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbi
	ACQ/IM (839564)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				45 Secs (45 Secs)	
								[==>]	[1]
		4 comment: exposure (1) WD0308-565	e times not reduced following updated COS/FUV, TIME-TAG, PSA	G130M	BUFFER-TIME=26		d.	363 Secs (363 Secs)	Τ
	5/LP2	( )	COS/FUV, TIME-TAG, FSA	1055 A	3;			[==>]	
	(COS.sp.130 2752)			1033 11	FP-POS=3;			[>]	
	_,_,				SEGMENT=BOTH	;			[1]
					LIFETIME-POS=L P2				
Targe Set b	ments: ETC bi et has been ob ouffer time = e. tinue use of 1 l	uffer time is larger th sserved before no nee xptime - 100 FP-POS	an exptime (1482) ed to 2/3 factor						-
		(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M	BUFFER-TIME=15			254 Secs (254 Secs)	
	2 (COS.sp.130			1222 A	4;			[==>]	
	2754)				FP-POS=3; LIFETIME-POS=L				[1
					P4;				[1
					SEGMENT=BOTH				
Cont	tinue use of 1 I		se buffer time = exptime -100 sec to m  COS/FUV, TIME-TAG, PSA	G130M	BUFFER-TIME=13			233 Secs (233 Secs)	
	(COS.sp.131			1291 A	FP-POS=3;			I = => J	
	1908)				LIFETIME-POS=L				[1
					P4;				
Com	ments: ETC bi	uffer time is 322 sec.	Target has been observed before and	so no need for 2/3 s	SEGMENT=BOTH rafety margin.				
Since	e buffer time la tinue use of 1 I	arger than exptime us	se buffer time = exptime -100 sec to m	aximize time on targ	get = 144				
		(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L	BUFFER-TIME=22			328 Secs (328 Secs)	
	(COS.sp.102 1719)			1280 A	8;			[==>]	
Ì	,				FP-POS=3; LIFETIME-POS=L				[1
					P4;				[1
					SEGMENT=BOTH				
Comi Taro	ments: ETC bi	uffer time is 451, larg	ger than exptime						
Targ	et has been ob	served before no nee	ger than exptime nd to 2/3 factor						
Targ	et has been ob	uffer time is 451, larg sserved before no nee xptime - 100 = 180 FP-POS	ger than exptime ed to 2/3 factor						
Targ	et has been ob	served before no nee	ger than exptime d to 2/3 factor						
Targ	et has been ob	served before no nee	ger than exptime ed to 2/3 factor						
Targ	et has been ob	served before no nee	ger than exptime ed to 2/3 factor						
Targ	et has been ob	served before no nee	ger than exptime rd to 2/3 factor						
Targ	et has been ob	served before no nee	ger than exptime od to 2/3 factor						

G160M/153 (1) WD03	08-565 C	OS/FUV, TIME-TAG, PSA	G160M	FP-POS=3;		222 Secs (222 Secs)	
3/BOTH (COS.sp.131			1533 A	BUFFER-TIME=12		[==>]	
1897)				2;			
				LIFETIME-POS=L P4;			[·
				SEGMENT=BOTH			
Comments: ETC buffer time is Target has been observed befo Set buffer time = exptime - 10	re no need to .	nan exptime 2/3 factor					
Continue use of 1 FP-POS							
G160M/157 (1) WD03	08-565 C	OS/FUV, TIME-TAG, PSA	G160M	FP-POS=3;		273 Secs (273 Secs)	
7/BOTH (COS.sp.131			1577 A	BUFFER-TIME=17		[==>]	
1899)				3; LIFETIME-POS=L			
				P4;			'
				SEGMENT=BOTH			
Comments: ETC buffer time is	599, larger th	nan exptime					
Farget has been observed befo Set buffer time = exptime - 10	re no need to . )	2/3 factor					
Continue use of 1 FP-POS							
G160M/162 (1) WD03	08-565 C	OS/FUV, TIME-TAG, PSA	G160M	FP-POS=3;		369 Secs (369 Secs)	
3/BOTH (COS.sp.131		,	1623 A	BUFFER-TIME=26		[==>]	
1901)				9;			
				LIFETIME-POS=L P4;			
							II
				SEGMENT=BOTH			
Comments: ETC buffer time is Target has been observed befo Set buffer time = exptime - 10	re no need to .	nan exptime 2/3 factor		*			
Target has been observed befo Set buffer time = exptime - 10 Continue use of 1 FP-POS	re no need to 1 0 = 300	2/3 factor		*	OASISTATES COS	1 Secs (1 Secs)	
Farget has been observed befo Set buffer time = exptime - 10	re no need to 1 0 = 300	nan exptime 2/3 factor /C, DATA, NONE		*	QASISTATES COS FUV HVLOW HVL	1 Secs (1 Secs)	
Farget has been observed befor the buffer time = exptime - 10 Continue use of 1 FP-POS DARK	re no need to 3 0 = 300 S/	2/3 factor /C, DATA, NONE		SEGMENT=BOTH	QASISTATES COS FUV HVLOW HVL OW	1 Secs (1 Secs) [==>]	
Carget has been observed before thiffer time = exptime - 10 Continue use of 1 FP-POS  DARK  Comments: Work-around to e	re no need to so the source of	2/3 factor  /C, DATA, NONE  lule the reconfiguration to SEG-		SEGMENT=BOTH  S induced gaps.	FUV HVLOW HVL	[==>]	
Comments: Work-around to e.g.  Gl40L/800/ (1) WD03  FUVA	re no need to so the source of	2/3 factor /C, DATA, NONE	G140L	SEGMENT=BOTH	FUV HVLOW HVL	[==>] 363 Secs (363 Secs)	
Comments: Work-around to e  G140L/800/ (1) WD03  FUVA  (COS.sp.130	re no need to so the source of	2/3 factor  /C, DATA, NONE  lule the reconfiguration to SEG-		SEGMENT=BOTH  S induced gaps.  BUFFER-TIME=26	FUV HVLOW HVL	[==>]	
Comments: Work-around to e.g.  Gl40L/800/ (1) WD03  FUVA	re no need to so the source of	2/3 factor  /C, DATA, NONE  lule the reconfiguration to SEG-	G140L	SEGMENT=BOTH  Sinduced gaps.  BUFFER-TIME=26 3;	FUV HVLOW HVL	[==>] 363 Secs (363 Secs)	
Comments: Work-around to e  G140L/800/ (1) WD03  FUVA  (COS.sp.130	re no need to so the source of	2/3 factor  /C, DATA, NONE  lule the reconfiguration to SEG-	G140L	SEGMENT=BOTH  SEGMENT=BOTH	FUV HVLOW HVL	[==>] 363 Secs (363 Secs)	
Comments: Work-around to e  G140L/800/ (1) WD03 FUVA (COS.sp.130 2815)	re no need to S/ S/ Ficiently sched 08-565 Co	2/3 factor  /C, DATA, NONE  lule the reconfiguration to SEG-OS/FUV, TIME-TAG, PSA	G140L	SEGMENT=BOTH  SEGMENT=BOTH  SEGMENT=BOTH  SEGMENT=BOTH  SEGMENT=BOTH  SEGMENT=BOTH  SEGMENT=BOTH	FUV HVLOW HVL	[==>] 363 Secs (363 Secs)	
Comments: ETC buffer time is even observed before the continue use of 1 FP-POS  DARK  Comments: Work-around to e of 1 G140L/800/ (1) WD03 FUVA (COS.sp.130 2815)	re no need to  S/  Siciently sched  08-565  Co  362, larger th  re no need to	2/3 factor  /C, DATA, NONE  lule the reconfiguration to SEG- OS/FUV, TIME-TAG, PSA	G140L	SEGMENT=BOTH  SEGMENT=BOTH	FUV HVLOW HVL	[==>] 363 Secs (363 Secs)	
Comments: ETC buffer time is farget has been observed before the farget farge	re no need to  S/  Siciently sched  08-565  Co  362, larger th  re no need to	2/3 factor  /C, DATA, NONE  lule the reconfiguration to SEG- OS/FUV, TIME-TAG, PSA	G140L	SEGMENT=BOTH  SEGMENT=BOTH	FUV HVLOW HVL	[==>] 363 Secs (363 Secs)	
Comments: ETC buffer time is even observed before the continue use of 1 FP-POS  DARK  Comments: Work-around to e of 1 G140L/800/ (1) WD03 FUVA (COS.sp.130 2815)	re no need to  S/  Siciently sched  08-565  Co  362, larger th  re no need to	2/3 factor  /C, DATA, NONE  lule the reconfiguration to SEG- OS/FUV, TIME-TAG, PSA	G140L	SEGMENT=BOTH  SEGMENT=BOTH	FUV HVLOW HVL	[==>] 363 Secs (363 Secs)	
Comments: ETC buffer time is farget has been observed before the farget farge	re no need to  S/  Siciently sched  08-565  Co  362, larger th  re no need to	2/3 factor  /C, DATA, NONE  lule the reconfiguration to SEG- OS/FUV, TIME-TAG, PSA	G140L	SEGMENT=BOTH  SEGMENT=BOTH	FUV HVLOW HVL	[==>] 363 Secs (363 Secs)	
Comments: ETC buffer time is farget has been observed before the farget farge	re no need to  S/  Siciently sched  08-565  Co  362, larger th  re no need to	2/3 factor  /C, DATA, NONE  lule the reconfiguration to SEG- OS/FUV, TIME-TAG, PSA	G140L	SEGMENT=BOTH  SEGMENT=BOTH	FUV HVLOW HVL	[==>] 363 Secs (363 Secs)	
Comments: ETC buffer time is farget has been observed before the farget farge	re no need to  S/  Siciently sched  08-565  Co  362, larger th  re no need to	2/3 factor  /C, DATA, NONE  lule the reconfiguration to SEG- OS/FUV, TIME-TAG, PSA	G140L	SEGMENT=BOTH  SEGMENT=BOTH	FUV HVLOW HVL	[==>] 363 Secs (363 Secs)	
Comments: ETC buffer time is farget has been observed before the farget farge	re no need to  S/  Siciently sched  08-565  Co  362, larger th  re no need to	2/3 factor  /C, DATA, NONE  lule the reconfiguration to SEG- OS/FUV, TIME-TAG, PSA	G140L	SEGMENT=BOTH  SEGMENT=BOTH	FUV HVLOW HVL	[==>] 363 Secs (363 Secs)	

Proposal 15535 - WD0308-JUN-withDELTA (07) - Cycle 26 COS FUV Spectroscopic Sensitivity Monitor G140L/1105 (1) WD0308-565 /FUVA (COS.sp.102 1720) BUFFER-TIME=22 COS/FUV, TIME-TAG, PSA G140L 327 Secs (327 Secs) 7; 1105 A [==>]

SEGMENT=A; LIFETIME-POS=L

FP-POS=3;

Comments: ETC buffer time is 362, 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

(COS.sp.102 1693)

12 G130M/132 (1) WD0308-565 COS/FUV, TIME-TAG, PSA 7/FUVA

G130M 1327 A BUFFER-TIME=17 8;

FP-POS=3; LIFETIME-POS=L

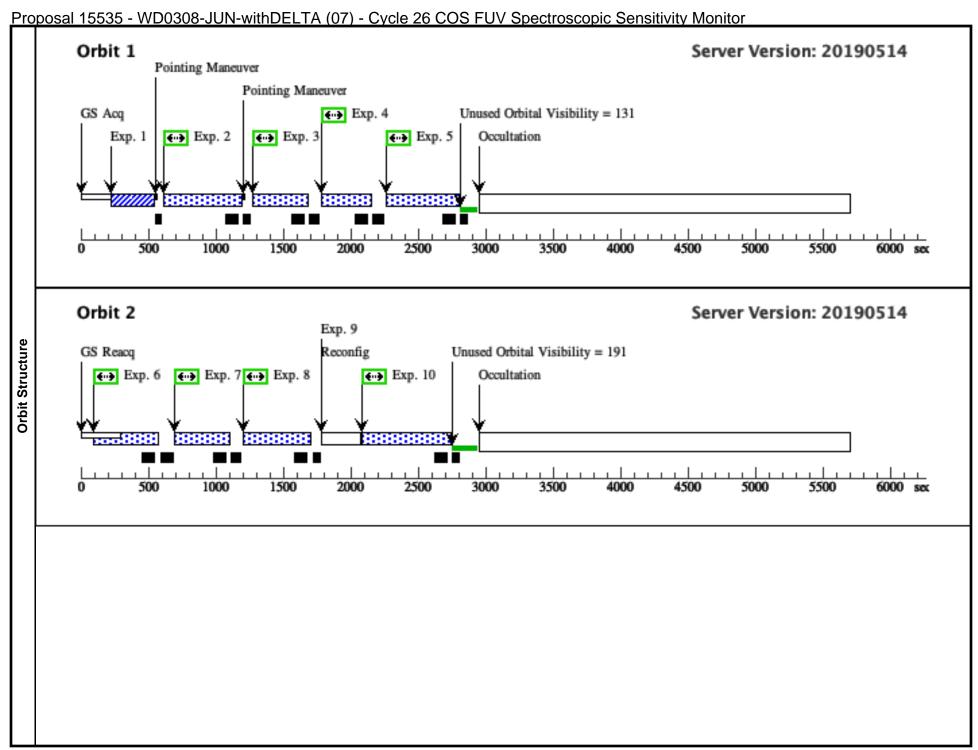
P4; SEGMENT=A

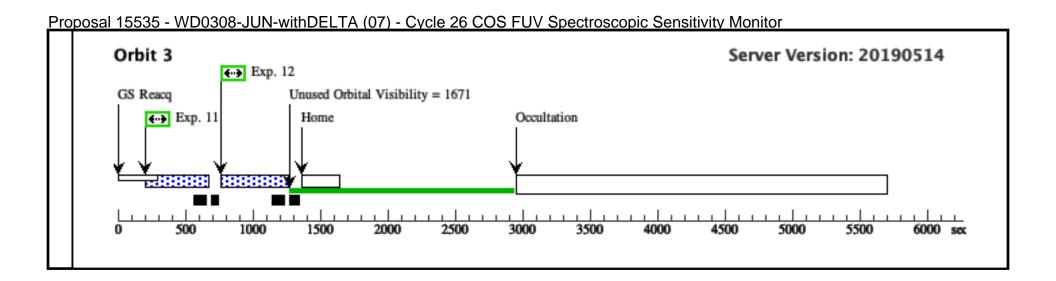
[==>] [3]

278 Secs (278 Secs)

[3]

Comments: ETC buffer time is 320 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





Proposal 15535 - WD0308-JUN-withDELTA (57) - Cycle 26 COS FUV Spectroscopic Sensitivity Monitor

Proposal 15535, WD0308-JUN-withDELTA (57), completed Wed Oct 30 13:01:01 GMT 2019

Diagnostic Status: No Diagnostics

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

Special Requirements: SCHED 100%

Comments: New cenwaves G160M/1533/B and G140L/800/A have been added to the visit. All G160M observations for the June observations, visit 07, are now with SEGMENT = BOTH.

S	#	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		
] <u>~</u>			Equinox: J2000	Epoch of Position: 2000		
e G		ments: Coordinates carried o	ver from Cycle 25 proposal			
		gory=STAR ription=[DB]				
		nphon=[DB] nded=NO				

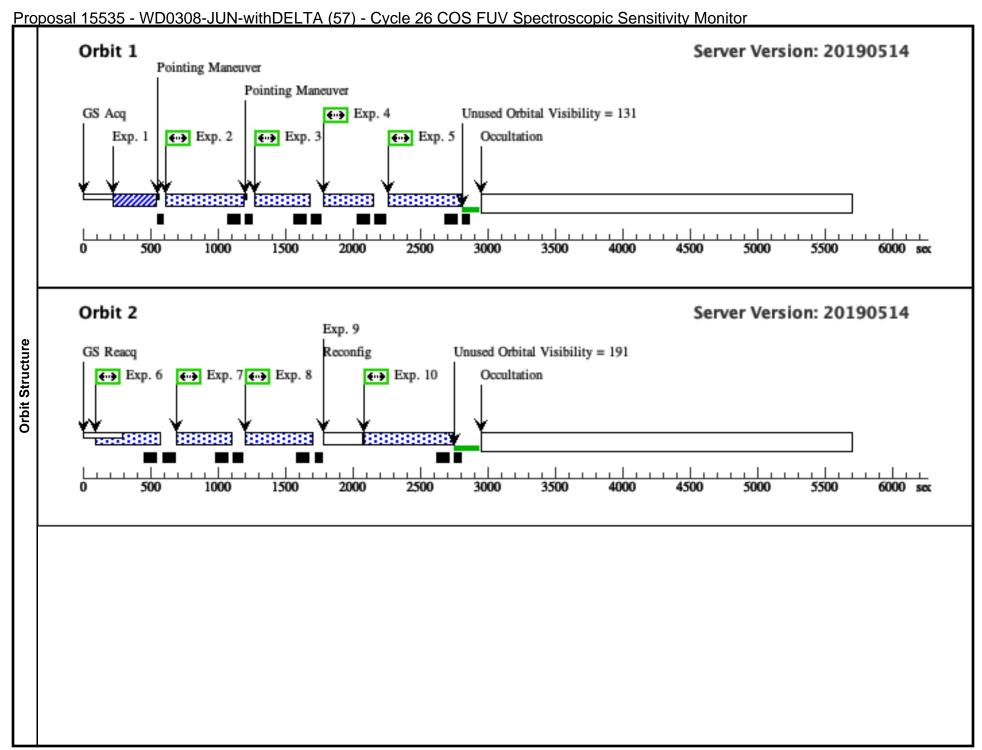
Proposal 15535 - WD0308-JUN-withDELTA (57) - Cycle 26 COS FUV Spectroscopic Sensitivity Monitor

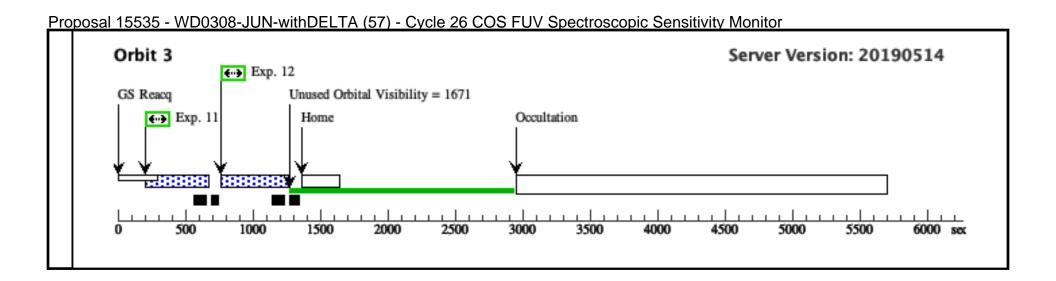
	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ/IM	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				45 Secs (45 Secs)	
	(839564)							[==>]	[1]
Con			e times not reduced following updated		**	affect orbit requeste	ed.		ı
2	G130M/105 5/LP2	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M	BUFFER-TIME=26 3;			363 Secs (363 Secs)	
	(COS.sp.130			1055 A	FP-POS=3;			[==>]	
	2752)				SEGMENT=BOTH				[1]
					LIFETIME-POS=L P2	,			[-]
Targ Set	nments: ETC bi get has been ob buffer time = e. ttinue use of 1 l	uffer time is larger th oserved before no nee xptime - 100 FP-POS	an exptime (1482) ed to 2/3 factor						
3		(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M	BUFFER-TIME=15			254 Secs (254 Secs)	
	2 (COS.sp.130			1222 A	4;			[==>]	
	2754)				FP-POS=3;				
					LIFETIME-POS=L P4;				[1]
					SEGMENT=BOTH				
Con 4	tinue use of 1 I	(1) WD0308-565	se buffer time = exptime -100 sec to n  COS/FUV, TIME-TAG, PSA	G130M	BUFFER-TIME=13			233 Secs (233 Secs)	
	1 (COS.sp.131			1291 A	3;			[==>]	
	1908)				FP-POS=3;				
					LIFETIME-POS=L P4;				[1]
					SEGMENT=BOTH				
Con	ce buffer time la	arger than exptime u:	Target has been observed before and se buffer time = exptime -100 sec to m	so no need for 2/3 s aximize time on tar	safety margin. get = 144				
Sinc Con	ıtinue use of 1 I	1 1 0 5							
Sinc Con 5	G140L/1280	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L	BUFFER-TIME=22			328 Secs (328 Secs)	
Sinc Con 5		(1) WD0308-565		G140L 1280 A	8;			328 Secs (328 Secs) [==>]	
Sinc Con 5	G140L/1280 (COS.sp.102	(1) WD0308-565			8; FP-POS=3;				[11]
Sinc Con 5	G140L/1280 (COS.sp.102	(1) WD0308-565			8;				[1]
Sinc Con 5	G140L/1280 (COS.sp.102	(1) WD0308-565			8; FP-POS=3; LIFETIME-POS=L				[1]

/D0308-565	COS/FUV, TIME-TAG, PSA	G160M	FP-POS=3;		222 Secs (222 Secs)	
		1533 A	BUFFER-TIME=12		[==>]	
			*			
			P4;			[Z
			SEGMENT=BOTH			
me is 487, larg d before no need e - 100	er than exptime d to 2/3 factor					
os.						
/D0308-565	COS/FUV, TIME-TAG, PSA	G160M	FP-POS=3;		273 Secs (273 Secs)	
		1577 A	BUFFER-TIME=17		[==>]	
			P4;			'
			SEGMENT=BOTH			
me is 599, larg	er than exptime					
l before no need : - 100	d to 2/3 factor					
2.0						
	COS/FUV, TIME-TAG, PSA	G160M	FP-POS=3;		369 Secs (369 Secs)	
	.,	1623 A	BUFFER-TIME=26		·	
			9;			
			<i>'</i>			
ime is 799, larg d before no need e - 100 = 300 OS	er than exptime d to 2/3 factor					
K	S/C, DATA, NONE			QASISTATES COS	1 Secs (1 Secs)	
				FUV HVLOW HVL OW	[==>]	1
				011		
' to efficiently s	chedule the reconfiguration to SEG-A	A. Eliminates SPS	SS induced gaps.			
l to efficiently so VD0308-565	chedule the reconfiguration to SEG-ACOS/FUV, TIME-TAG, PSA	A. Eliminates SPS G140L	BUFFER-TIME=26		363 Secs (363 Secs)	
	* *		BUFFER-TIME=26 3;		363 Secs (363 Secs) [==>]	
	* *	G140L	BUFFER-TIME=26 3; FP-POS=3;			
	* *	G140L	BUFFER-TIME=26 3;			
	thefore no need - 100 S TD0308-565 TD0308-565 The is 599, larget before no need - 100 S TD0308-565 TD0308-565 The is 799, larget before no need - 100 = 300 S	me is 599, larger than exptime l before no need to 2/3 factor - 100 S TD0308-565 COS/FUV, TIME-TAG, PSA  me is 799, larger than exptime l before no need to 2/3 factor - 100 = 300 S	me is 487, larger than exptime l before no need to 2/3 factor - 100  S  TD0308-565 COS/FUV, TIME-TAG, PSA G160M 1577 A  me is 599, larger than exptime l before no need to 2/3 factor - 100  S  TD0308-565 COS/FUV, TIME-TAG, PSA G160M 1623 A  me is 799, larger than exptime l before no need to 2/3 factor - 100 = 300 S	2; LIFETIME-POS=L P4; SEGMENT=BOTH  me is 487, larger than exptime d before no need to 2/3 factor - 100  S  TD0308-565 COS/FUV, TIME-TAG, PSA G160M FP-POS=3; LIFETIME-POS=L P4; SEGMENT=BOTH  me is 599, larger than exptime d before no need to 2/3 factor - 100  S  TD0308-565 COS/FUV, TIME-TAG, PSA G160M FP-POS=3; LIFETIME-POS=L P4; SEGMENT=BOTH  me is 799, larger than exptime d before no need to 2/3 factor - 100 = 300 S	2;	2; LIFETIME-POS=L P4; SEGMENT=BOTH  me is 487, larger than exprime the fore no need to 2/3 factor - 100  S  TD0308-565 COS/FUV, TIME-TAG, PSA G160M FP-POS=3; LIFETIME-POS=L P4; SEGMENT=BOTH  me is 599, larger than exprime the fore no need to 2/3 factor - 100  S  TD0308-565 COS/FUV, TIME-TAG, PSA G160M FP-POS=3; LIFETIME-POS=L P4; SEGMENT=BOTH  SEGMENT=BOTH  LIFETIME-POS=L P4; LIFETIME-POS=L P4; LIFETIME-POS=L P4; SEGMENT=BOTH  SEGMENT=BOTH  Me is 799, larger than exprime the fore no need to 2/3 factor - 100  SEGMENT=BOTH

Proposal 15535 - WD0308-JUN-withDELTA (57) - Cycle 26 COS FUV Spectroscopic Sensitivity Monitor G140L/1105 (1) WD0308-565 /FUVA (COS.sp.102 1720) BUFFER-TIME=22 COS/FUV, TIME-TAG, PSA G140L 327 Secs (327 Secs) 7; 1105 A [==>] FP-POS=3; SEGMENT=A; [3] LIFETIME-POS=L Comments: ETC buffer time is 362, 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 12 G130M/132 (1) WD0308-565 COS/FUV, TIME-TAG, PSA G130M BUFFER-TIME=17 278 Secs (278 Secs) 7/FUVA 8; 1327 A [==>] (COS.sp.102 1693) FP-POS=3; LIFETIME-POS=L [3] P4; SEGMENT=A

Comments: ETC buffer time is 320 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





Proposal 15535 - WD0308-AUG-withDELTA (08) - Cycle 26 COS FUV Spectroscopic Sensitivity Monitor

Proposal 15535, WD0308-AUG-withDELTA (08), completed Wed Oct 30 13:01:01 GMT 2019

Diagnostic Status: No Diagnostics Visit

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

Special Requirements: SCHED 100%; BETWEEN 04-AUG-2019:00:00:00 AND 17-AUG-2019:00:00:00

Comments: New cenwaves G160M/1533/B and G140L/800/A have been added to the visit. All G160M observations are now with SEGMENT = B (i.e. segment A is turned off).

,	, ;	# Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
ā	5 (	(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
5	ָ ק		Dec: -56 23 49.41 (-56.39706d)	Proper Motion Dec: 0.0643 arcsec/yr		
"	:		Equinox: J2000	Epoch of Position: 2000		
4		Comments: Coordinates carried over	from Cycle 25 proposal			
.≥		Category=STAR				
ļΨ		Description=[DB]				
	Ī	Extended=NO				

Proposal 15535 - WD0308-AUG-withDELTA (08) - Cycle 26 COS FUV Spectroscopic Sensitivity Monitor

	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ/IM	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				45 Secs (45 Secs)	
	(839564)							[==>]	[1]
Con	mments: cycle 2	24 comment: exposur	e times not reduced following updated	ETC calculations, a	lifferences not enough to	affect orbit requeste	ed.		
2		(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M	BUFFER-TIME=26			363 Secs (363 Secs)	
	5/LP2 (COS.sp.130			1055 A	3;			I==>J	
	2752)				FP-POS=3; SEGMENT=BOTH;				[11
					LIFETIME-POS=L	,			[1]
					P2				
Tar <sub>z</sub> Set	mments: ETC bi get has been ob buffer time = e. ntinue use of 1 h		nan exptime (1482) ed to 2/3 factor						
3	,	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M	BUFFER-TIME=15			254 Secs (254 Secs)	
	2 (COS.sp.130			1222 A	4;			[==>]	
	2754)				FP-POS=3;				
					LIFETIME-POS=L P4;				[1]
					SEGMENT=BOTH				
Con	mments: ETC bi	uffer time is 395 sec.	Target has been observed before and	so no need for 2/3 s					-1
Sinc	ce buffer time la ntinue use of 1 l	arger than exptime us FP-POS	se buffer time = exptime -100 sec to m	aximize time on targ	get = 126				
			COC/EIN/ TIME TAC DOA						
4	G130M/129	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M	BUFFER-TIME=13			233 Secs (233 Secs)	
4	1 (COS.sp.131		COS/FUV, TIME-TAG, PSA	G130M 1291 A	3;			233 Secs (233 Secs)  I ==> I	
4	1		COS/FUV, HME-1AG, PSA		3; FP-POS=3;			` ´	[1]
4	1 (COS.sp.131		COS/FUV, HME-1AG, PSA		3;			` ´	[1]
4	1 (COS.sp.131 1908)			1291 A	3; FP-POS=3; LIFETIME-POS=L P4; SEGMENT=BOTH			` ´	[1]
Sinc	1 (COS.sp.131 1908)	uffer time is 322 sec. areer than exptime u	COS/FUV, HME-TAG, PSA  Target has been observed before and se buffer time = exptime -100 sec to m.	1291 A so no need for 2/3 s	3; FP-POS=3; LIFETIME-POS=L P4; SEGMENT=BOTH afety margin.			` ´	[1]
Sinc	1 (COS.sp.131 1908)  mments: ETC bice buffer time lentinue use of 1 1 G140L/1280	uffer time is 322 sec. arger than exptime us FP-POS (1) WD0308-565	Target has been observed before and	1291 A so no need for 2/3 s	3; FP-POS=3; LIFETIME-POS=L P4; SEGMENT=BOTH afety margin. get = 144 BUFFER-TIME=22			` ´	[1]
Sinc	1 (COS.sp.131 1908)  mments: ETC bice buffer time lentinue use of 1 1 G140L/1280	uffer time is 322 sec. arger than exptime us FP-POS (1) WD0308-565	Target has been observed before and se buffer time = exptime -100 sec to m	1291 A so no need for 2/3 s aximize time on targ	3; FP-POS=3; LIFETIME-POS=L P4; SEGMENT=BOTH afety margin. get = 144 BUFFER-TIME=22 8;			[==>]	[1]
Sinc	1 (COS.sp.131 1908) mments: ETC bi ce buffer time la ntinue use of 1 1	uffer time is 322 sec. arger than exptime us FP-POS (1) WD0308-565	Target has been observed before and se buffer time = exptime -100 sec to m	1291 A so no need for 2/3 s aximize time on tars G140L	3; FP-POS=3; LIFETIME-POS=L P4; SEGMENT=BOTH afety margin. set = 144 BUFFER-TIME=22 8; FP-POS=3;			[==>] 328 Secs (328 Secs)	
Sinc	1 (COS.sp.131 1908)  mments: ETC bice buffer time lentinue use of 1 1 G140L/1280	uffer time is 322 sec. arger than exptime us FP-POS (1) WD0308-565	Target has been observed before and se buffer time = exptime -100 sec to m	1291 A so no need for 2/3 s aximize time on tars G140L	3; FP-POS=3; LIFETIME-POS=L P4; SEGMENT=BOTH afety margin. get = 144 BUFFER-TIME=22 8;			[==>] 328 Secs (328 Secs)	[1]
Sinc	1 (COS.sp.131 1908)  mments: ETC bice buffer time lentinue use of 1 1 G140L/1280	uffer time is 322 sec. arger than exptime us FP-POS (1) WD0308-565	Target has been observed before and se buffer time = exptime -100 sec to m	1291 A so no need for 2/3 s aximize time on tars G140L	3; FP-POS=3; LIFETIME-POS=L P4; SEGMENT=BOTH afety margin. set = 144 BUFFER-TIME=22 8; FP-POS=3; LIFETIME-POS=L			[==>] 328 Secs (328 Secs)	
Since Con 5  Con Tary Set 1	1 (COS.sp.131 1908)  mments: ETC bit ce buffer time lentinue use of 1 1 G140L/1280 (COS.sp.102 1719)  mments: ETC bit seet has been ob buffer time = e.	uffer time is 322 sec. arger than exptime us FP-POS  (1) WD0308-565  uffer time is 451, larg oserved before no nee xptime - 100 = 180	Target has been observed before and se buffer time = exptime -100 sec to m.  COS/FUV, TIME-TAG, PSA	1291 A so no need for 2/3 s aximize time on tars G140L	3; FP-POS=3; LIFETIME-POS=L P4; SEGMENT=BOTH afety margin. set = 144 BUFFER-TIME=22 8; FP-POS=3; LIFETIME-POS=L P4;			[==>] 328 Secs (328 Secs)	
Since Con 5  Con Tary Set 1	1 (COS.sp.131 1908)  mments: ETC bit ce buffer time letinue use of 1 1 G140L/1280 (COS.sp.102 1719)  mments: ETC bit get has been ob	uffer time is 322 sec. arger than exptime us FP-POS  (1) WD0308-565  uffer time is 451, larg sserved before no nea xptime - 100 = 180 FP-POS	Target has been observed before and se buffer time = exptime -100 sec to m COS/FUV, TIME-TAG, PSA ger than exptime ed to 2/3 factor	1291 A so no need for 2/3 s aximize time on tars G140L	3; FP-POS=3; LIFETIME-POS=L P4; SEGMENT=BOTH afety margin. set = 144 BUFFER-TIME=22 8; FP-POS=3; LIFETIME-POS=L P4;	OASISTATES CO	ıs	[==>]  328 Secs (328 Secs) [==>]	
Com Tar Set i Com	1 (COS.sp.131 1908)  mments: ETC bit ce buffer time lentinue use of 1 1 G140L/1280 (COS.sp.102 1719)  mments: ETC bit seet has been ob buffer time = e.	uffer time is 322 sec. arger than exptime us FP-POS  (1) WD0308-565  uffer time is 451, larg oserved before no nee xptime - 100 = 180	Target has been observed before and se buffer time = exptime -100 sec to m.  COS/FUV, TIME-TAG, PSA	1291 A so no need for 2/3 s aximize time on tars G140L	3; FP-POS=3; LIFETIME-POS=L P4; SEGMENT=BOTH afety margin. set = 144 BUFFER-TIME=22 8; FP-POS=3; LIFETIME-POS=L P4;		os L	[==>] 328 Secs (328 Secs)	

G100M/133	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M	FP-POS=3;	222 Secs (222 Secs)	
3/B	,		1533 A	BUFFER-TIME=12	[==>]	
(COS.sp.131 1897)				2;		
				LIFETIME-POS=L P4;		Į.
				SEGMENT=B		
Comments: ETC bi Target has been ob Set buffer time = ex	ıffer time is 487, larş served before no nee xptime - 100	ger than exptime ed to 2/3 factor				'
Continue use of 1 I	FP-POS					
	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M	FP-POS=3;	273 Secs (273 Secs)	
7/B (COS.sp.131			1577 A	BUFFER-TIME=17	[==>]	
(CO3.sp.131 1899)				3;		
				LIFETIME-POS=L P4;		
				SEGMENT=B		
Comments: ETC bi	ıffer time is 599, larş	ger than exptime				I
Farget has been ob Set buffer time = ex	served before no nee	ed to 2/3 factor				
Continue use of 1 I						<u> </u>
G160M/162 3/B	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M	FP-POS=3;	369 Secs (369 Secs)	
(COS.sp.131	31		1623 A	BUFFER-TIME=26 9;	[==>]	
1901)				LIFETIME-POS=L		
				P4;		'
				SEGMENT=B		
Comments: ETC bi Target has been ob Set buffer time = ex Continue use of 1 I	uffer time is 799, larg served before no nee sptime - 100 = 300 FP-POS	ger than exptime ed to 2/3 factor		SEGMENT=B		
Comments: ETC bi Carget has been ob Tet buffer time = e: Continue use of 1 I 0	uffer time is 799, larg served before no nec sptime - 100 = 300 FP-POS DARK	ger than exptime ed to 2/3 factor S/C, DATA, NONE		QASISTATES COS	1 Secs (1 Secs)	
Target has been ob Set buffer time = ex Continue use of 1 I	served before no nee xptime - 100 = 300 FP-POS	ed to 2/3 factor		QASISTATES COS FUV HVLOW HVL	1 Secs (1 Secs)  [==>]	
Target has been ob Tet buffer time = e: Continue use of 1 I O	sserved before no nee xptime - 100 = 300 FP-POS DARK	ed to 2/3 factor S/C, DATA, NONE	A Fliminates SPS	QASISTATES COS FUV HVLOW HVL OW		
Farget has been ob let buffer time = e: Continue use of 1 I O Comments: Work-a	served before no nee sptime - 100 = 300 FP-POS DARK bround to efficiently is	ed to 2/3 factor  S/C, DATA, NONE  schedule the reconfiguration to SEG-		QASISTATES COS FUV HVLOW HVL OW SS induced gaps.	[==>]	
Farget has been object buffer time = e. Continue use of 1 I  Comments: Work-of 1 G140L/800/FUVA	served before no nee typtime - 100 = 300 FP-POS DARK around to efficiently: (1) WD0308-565	ed to 2/3 factor S/C, DATA, NONE	A. Eliminates SPS G140L 800 A	QASISTATES COS FUV HVLOW HVL OW	[==>] 363 Secs (363 Secs)	
Farget has been object buffer time = e. Continue use of 1 I  Comments: Work-of 1 G140L/800/FUVA	served before no nee typtime - 100 = 300 FP-POS DARK around to efficiently: (1) WD0308-565	ed to 2/3 factor  S/C, DATA, NONE  schedule the reconfiguration to SEG-	G140L	QASISTATES COS FUV HVLOW HVL OW SS induced gaps. BUFFER-TIME=26	[==>]	
Farget has been object buffer time = e. Continue use of 1 F  Comments: Work-of G140L/800/	served before no nee typtime - 100 = 300 FP-POS DARK around to efficiently: (1) WD0308-565	ed to 2/3 factor  S/C, DATA, NONE  schedule the reconfiguration to SEG-	G140L	QASISTATES COS FUV HVLOW HVL OW SS induced gaps. BUFFER-TIME=26 3;	[==>] 363 Secs (363 Secs)	
Farget has been object buffer time = e. Continue use of 1 I  Comments: Work-of 1 G140L/800/FUVA	served before no nee typtime - 100 = 300 FP-POS DARK around to efficiently: (1) WD0308-565	ed to 2/3 factor  S/C, DATA, NONE  schedule the reconfiguration to SEG-	G140L	QASISTATES COS FUV HVLOW HVL OW  SS induced gaps.  BUFFER-TIME=26 3; FP-POS=3; SEGMENT=A; LIFETIME-POS=L	[==>] 363 Secs (363 Secs)	
Comments: Work-of G140L/800/FUVA (COS.sp.130 2815)	served before no nee sptime - 100 = 300 FP-POS DARK around to efficiently: (1) WD0308-565	ed to 2/3 factor  S/C, DATA, NONE  schedule the reconfiguration to SEG- COS/FUV, TIME-TAG, PSA	G140L	QASISTATES COS FUV HVLOW HVL OW SS induced gaps. BUFFER-TIME=26 3; FP-POS=3; SEGMENT=A;	[==>] 363 Secs (363 Secs)	
Comments: Work-a (COS.sp.130 2815)  Comments: ETC bis farget has been ob	served before no nee cptime - 100 = 300 FP-POS  DARK  around to efficiently: (1) WD0308-565  affer time is 362, larg served before no nee	s/C, DATA, NONE  schedule the reconfiguration to SEG- COS/FUV, TIME-TAG, PSA	G140L	QASISTATES COS FUV HVLOW HVL OW  SS induced gaps.  BUFFER-TIME=26 3; FP-POS=3; SEGMENT=A; LIFETIME-POS=L	[==>] 363 Secs (363 Secs)	
Comments: Work-o  Gl40L/800/ FUVA (COS.sp.130 2815)  Comments: ETC be Comments: ETC be Comments: been ob Set buffer time = e.	served before no nee sptime - 100 = 300 FP-POS  DARK  around to efficiently: (1) WD0308-565  uffer time is 362, larg served before no nee sptime - 100 = 263	s/C, DATA, NONE  schedule the reconfiguration to SEG- COS/FUV, TIME-TAG, PSA	G140L	QASISTATES COS FUV HVLOW HVL OW  SS induced gaps.  BUFFER-TIME=26 3; FP-POS=3; SEGMENT=A; LIFETIME-POS=L	[==>] 363 Secs (363 Secs)	
Comments: Work-a (COS.sp.130 2815)  Comments: ETC bis farget has been ob	served before no nee sptime - 100 = 300 FP-POS  DARK  around to efficiently: (1) WD0308-565  uffer time is 362, larg served before no nee sptime - 100 = 263	s/C, DATA, NONE  schedule the reconfiguration to SEG- COS/FUV, TIME-TAG, PSA	G140L	QASISTATES COS FUV HVLOW HVL OW  SS induced gaps.  BUFFER-TIME=26 3; FP-POS=3; SEGMENT=A; LIFETIME-POS=L	[==>] 363 Secs (363 Secs)	
Comments: Work-o  Gl40L/800/ FUVA (COS.sp.130 2815)  Comments: ETC be Comments: ETC be Comments: been ob Set buffer time = e.	served before no nee sptime - 100 = 300 FP-POS  DARK  around to efficiently: (1) WD0308-565  uffer time is 362, larg served before no nee sptime - 100 = 263	s/C, DATA, NONE  schedule the reconfiguration to SEG- COS/FUV, TIME-TAG, PSA	G140L	QASISTATES COS FUV HVLOW HVL OW  SS induced gaps.  BUFFER-TIME=26 3; FP-POS=3; SEGMENT=A; LIFETIME-POS=L	[==>] 363 Secs (363 Secs)	
Comments: Work-o  Gl40L/800/ FUVA (COS.sp.130 2815)  Comments: ETC be Comments: ETC be Comments: been ob Set buffer time = e.	served before no nee sptime - 100 = 300 FP-POS  DARK  around to efficiently: (1) WD0308-565  uffer time is 362, larg served before no nee sptime - 100 = 263	s/C, DATA, NONE  schedule the reconfiguration to SEG- COS/FUV, TIME-TAG, PSA	G140L	QASISTATES COS FUV HVLOW HVL OW  SS induced gaps.  BUFFER-TIME=26 3; FP-POS=3; SEGMENT=A; LIFETIME-POS=L	[==>] 363 Secs (363 Secs)	
Comments: Work-o  Gl40L/800/ FUVA (COS.sp.130 2815)  Comments: ETC be Comments: ETC be Comments: been ob Set buffer time = e.	served before no nee sptime - 100 = 300 FP-POS  DARK  around to efficiently: (1) WD0308-565  uffer time is 362, larg served before no nee sptime - 100 = 263	s/C, DATA, NONE  schedule the reconfiguration to SEG- COS/FUV, TIME-TAG, PSA	G140L	QASISTATES COS FUV HVLOW HVL OW  SS induced gaps.  BUFFER-TIME=26 3; FP-POS=3; SEGMENT=A; LIFETIME-POS=L	[==>] 363 Secs (363 Secs)	
Comments: Work-o  Gl40L/800/ FUVA (COS.sp.130 2815)  Comments: ETC be Comments: ETC be Comments: been ob Set buffer time = e.	served before no nee sptime - 100 = 300 FP-POS  DARK  around to efficiently: (1) WD0308-565  uffer time is 362, larg served before no nee sptime - 100 = 263	s/C, DATA, NONE  schedule the reconfiguration to SEG- COS/FUV, TIME-TAG, PSA	G140L	QASISTATES COS FUV HVLOW HVL OW  SS induced gaps.  BUFFER-TIME=26 3; FP-POS=3; SEGMENT=A; LIFETIME-POS=L	[==>] 363 Secs (363 Secs)	

Proposal 15535 - WD0308-AUG-withDELTA (08) - Cycle 26 COS FUV Spectroscopic Sensitivity Monitor G140L/1105 (1) WD0308-565 /FUVA (COS.sp.102 1720) BUFFER-TIME=22 COS/FUV, TIME-TAG, PSA G140L 327 Secs (327 Secs) 7; 1105 A [==>] FP-POS=3; SEGMENT=A; [3] LIFETIME-POS=L Comments: ETC buffer time is 362, 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 13 G130M/132 (1) WD0308-565 COS/FUV, TIME-TAG, PSA G130M BUFFER-TIME=17 278 Secs (278 Secs)

8;

P4;

FP-POS=3; LIFETIME-POS=L

SEGMENT=A

[==>]

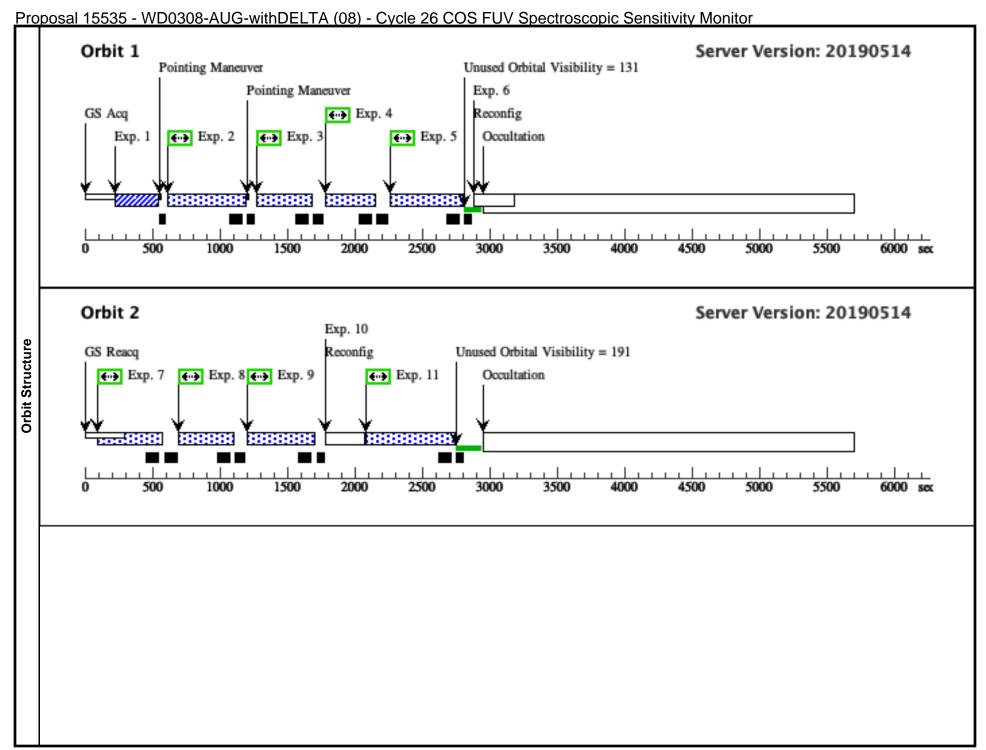
[3]

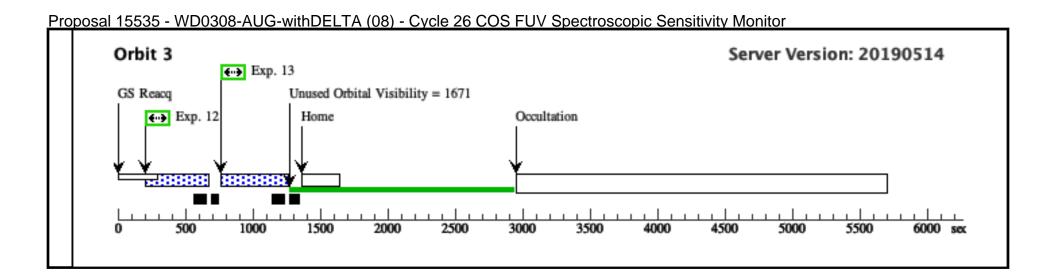
1327 A

Comments: ETC buffer time is 320 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

7/FUVA

(COS.sp.102 1693)





Proposal 15535 - WD0308-AUG-withDFLTA (58) -	Cycle 26 COS FUV Spectroscopic Sensitivity Monitor

Proposal 15535, WD0308-AUG-withDELTA (58), completed Wed Oct 30 13:01:01 GMT 2019

Diagnostic Status: No Diagnostics Visit

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

Special Requirements: SCHED 100%; BETWEEN 19-AUG-2019 AND 08-SEP-2019

Comments: New cenwaves G160M/1533/B and G140L/800/A have been added to the visit. All G160M observations are now with SEGMENT = B (i.e. segment A is turned off).

_		THE GIGGIN COSCITUTIONS WITCHON WITH	$BBGMENT = B$ (i.e. segment $T$ is turned $O_{II}$ ).			
، ا	,	# Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	אפוי	(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		
ŀ	_		Equinox: J2000	Epoch of Position: 2000		
13	מ ו	Comments: Coordinates carried over f	from Cycle 25 proposal			
.≥		Category=STAR				
L		Description = [DB]				
		Extended=NO				

Proposal 15535 - WD0308-AUG-withDELTA (58) - Cycle 26 COS FUV Spectroscopic Sensitivity Monitor

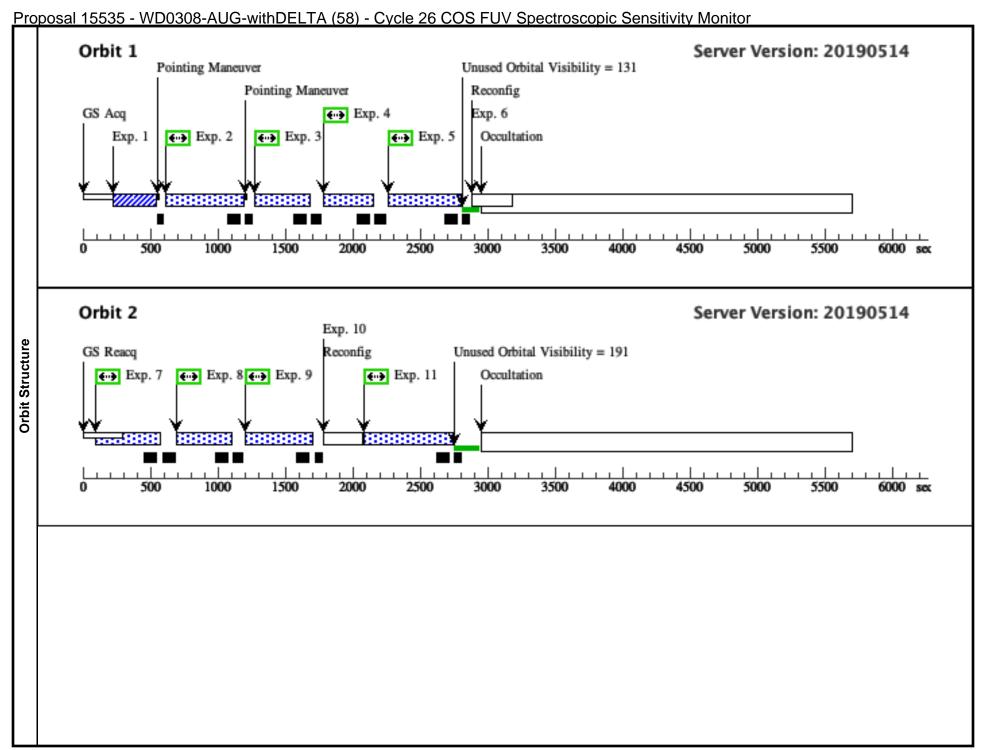
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	ACQ/IM	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				45 Secs (45 Secs)	
	(839564)							[==>]	[1]
Con	nments: cycle 2	4 comment: exposu	re times not reduced following updated	ETC calculations,	differences not enough to	affect orbit requeste	d.		
2		(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M	BUFFER-TIME=26			363 Secs (363 Secs)	
	5/LP2 (COS.sp.130			1055 A	3;			I==>J	
	2752)				FP-POS=3; SEGMENT=BOTH;				[1]
					LIFETIME-POS=L	,			[1]
					P2				
Tar <sub>s</sub> Set	nments: ETC bi get has been ob buffer time = e. ntinue use of 1 h	oserved before no ne xptime - 100	han exptime (1482) ved to 2/3 factor						
3		(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M	BUFFER-TIME=15			254 Secs (254 Secs)	
	2 (COS.sp.130			1222 A	4;			[==>]	
	2754)				FP-POS=3;				
					LIFETIME-POS=L P4;				[1]
					SEGMENT=BOTH				
Con	nments: ETC bi	uffer time is 395 sec	. Target has been observed before and	so no need for 2/3 s					
Sinc	ce buffer time la itinue use of 1 l	urger than exptime i FP-POS	use buffer time = exptime -100 sec to m	aximize time on tarį	get = 126°				
4	G130M/129	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M	BUFFER-TIME=13 3;			233 Secs (233 Secs)	
	(COS.sp.131			1291 A	FP-POS=3;			[==>]	
4	1908)				LIFETIME-POS=L				[1]
					P4;				
					SEGMENT=BOTH				
Sinc	nments: ETC bi ce buffer time la ntinue use of 1 l	arger than exptime i	. Target has been observed before and use buffer time = exptime -100 sec to m	so no need for 2/3 s aximize time on tarş	afety margin. get = 144				
5	G140L/1280	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L	BUFFER-TIME=22			328 Secs (328 Secs)	
	(COS.sp.102 1719)			1280 A	8;			[==>]	
	/				FP-POS=3;				
					LIFETIME-POS=L P4;				[1]
					SEGMENT=BOTH				
Tar Set	get has been ob	uffer time is 451, lan eserved before no ne xptime - 100 = 180	rger than exptime red to 2/3 factor						
6	umue use oj 1 1		S/C. DATA. NONE			OASISTATES CO	S	1 Secs (1 Secs)	
		Dritte	S, C, BIIII, I (OI) E			FUV HVLOW HV	Ľ		[1]
_						OW			[1]
	nments: Work-c	DARK  round to efficiently	S/C, DATA, NONE  schedule the reconfiguration to SEG-A	A. Eliminates SPSS	induced gaps.	QASISTATES CO FUV HVLOW HV OW	S L	I = Secs (1 Secs) $I = SI$	

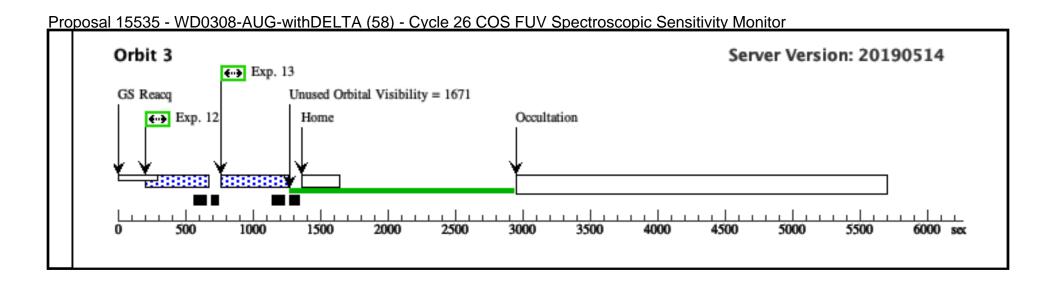
/ G100M/133 (1)	WD0308-565	COS/FUV, TIME-TAG, PSA	G160M	FP-POS=3;		222 Secs (222 Secs)	
3/B			1533 A	BUFFER-TIME=12		[==>]	
(COS.sp.131 1897)				2;			
				LIFETIME-POS=L P4;			
				SEGMENT=B			
Comments: ETC buffer i Target has been observe Set buffer time = exptim	ed before no nee	er than exptime d to 2/3 factor					
Continue use of 1 FP-PC	OS						
8 G160M/157 (1) V		COS/FUV, TIME-TAG, PSA	G160M	FP-POS=3;		273 Secs (273 Secs)	
7/B (COS.sp.131			1577 A	BUFFER-TIME=17		[==>]	
1899)				3;			
				LIFETIME-POS=L P4;			
				SEGMENT=B			
Comments: ETC buffer 1	time is 599, larg	er than exptime					
Target has been observe Set buffer time = exptim	ed before no nee	d to 2/3 factor					
Continue use of 1 FP-PC			a			Ta	
9 G160M/162 (1) V 3/B	WD0308-565	COS/FUV, TIME-TAG, PSA	G160M	FP-POS=3;		369 Secs (369 Secs)	
(COS.sp.131			1623 A	BUFFER-TIME=26 9;		[==>]	
1901)				LIFETIME-POS=L			
			P4;			'	
				SEGMENT=B			
Comments: ETC buffer i Target has been observe	time is 799, larg ed before no nee	er than exptime d to 2/3 factor					
Set buffer time = exptim	0° - 100 – 300						
Target has been observe Set buffer time = exptim Continue use of 1 FP-PC 10 DAI					OASISTATES COS	1 Secs (1 Secs)	
Set buffer time = exptim Continue use of 1 FP-P0 10 DAF		S/C, DATA, NONE			QASISTATES COS FUV HVLOW HVL	1  Secs  (1  Secs) $I ==> I$	
10 DAI	RK	S/C, DATA, NONE	A Eli i de Cho			1  Secs  (1  Secs) $I ==> J$	
10 DAI	RK  and to efficiently s	S/C, DATA, NONE  chedule the reconfiguration to SEG-			FUV HVLOW HVL	[==>]	
10 DAF  **Comments: Work-aroun** 11 G140L/800/ (1) V  FUVA	RK  and to efficiently s	S/C, DATA, NONE	G140L	SS induced gaps.  BUFFER-TIME=26 3;	FUV HVLOW HVL	[==>] 363 Secs (363 Secs)	
10 DAF  **Comments: Work-aroun** 11 G140L/800/ (1) V  FUVA	RK  and to efficiently s	S/C, DATA, NONE  chedule the reconfiguration to SEG-		BUFFER-TIME=26	FUV HVLOW HVL	[==>]	1
10 DAF  **Comments: Work-aroun** 11 G140L/800/ (1) V	RK  and to efficiently s	S/C, DATA, NONE  chedule the reconfiguration to SEG-	G140L	BUFFER-TIME=26 3;	FUV HVLOW HVL	[==>] 363 Secs (363 Secs)	
10 DAF  **Comments: Work-aroun** 11 G140L/800/ (1) V  FUVA	RK  and to efficiently s	S/C, DATA, NONE  chedule the reconfiguration to SEG-	G140L	BUFFER-TIME=26 3; FP-POS=3; SEGMENT=A; LIFETIME-POS=L	FUV HVLOW HVL	[==>] 363 Secs (363 Secs)	1
10 DAF  **Comments: Work-aroun** 11 G140L/800/ (1) V  FUVA	RK  and to efficiently s	S/C, DATA, NONE  chedule the reconfiguration to SEG-	G140L	BUFFER-TIME=26 3; FP-POS=3; SEGMENT=A;	FUV HVLOW HVL	[==>] 363 Secs (363 Secs)	
Comments: Work-aroun  G140L/800/ (1) V FUVA (COS.sp.130 2815)  Comments: ETC buffer i	RK  ad to efficiently s  WD0308-565  time is 362, larg	S/C, DATA, NONE  chedule the reconfiguration to SEG- COS/FUV, TIME-TAG, PSA  er than exptime	G140L	BUFFER-TIME=26 3; FP-POS=3; SEGMENT=A;	FUV HVLOW HVL	[==>] 363 Secs (363 Secs)	
Comments: Work-aroun  G140L/800/ (1) V FUVA (COS.sp.130 2815)  Comments: ETC buffer to the construction of	RK  ad to efficiently s  WD0308-565  time is 362, larged before no nee	S/C, DATA, NONE  chedule the reconfiguration to SEG- COS/FUV, TIME-TAG, PSA  er than exptime	G140L	BUFFER-TIME=26 3; FP-POS=3; SEGMENT=A; LIFETIME-POS=L	FUV HVLOW HVL	[==>] 363 Secs (363 Secs)	
10 DAF  **Comments: Work-aroun** 11 G140L/800/ (1) V  FUVA	RK  ad to efficiently s  WD0308-565  time is 362, larged before no nee	S/C, DATA, NONE  chedule the reconfiguration to SEG- COS/FUV, TIME-TAG, PSA  er than exptime	G140L	BUFFER-TIME=26 3; FP-POS=3; SEGMENT=A; LIFETIME-POS=L	FUV HVLOW HVL	[==>] 363 Secs (363 Secs)	
Comments: Work-aroun  G140L/800/ (1) V FUVA (COS.sp.130 2815)  Comments: ETC buffer t	RK  ad to efficiently s  WD0308-565  time is 362, larged before no nee	S/C, DATA, NONE  chedule the reconfiguration to SEG- COS/FUV, TIME-TAG, PSA  er than exptime	G140L	BUFFER-TIME=26 3; FP-POS=3; SEGMENT=A; LIFETIME-POS=L	FUV HVLOW HVL	[==>] 363 Secs (363 Secs)	
Comments: Work-aroun  G140L/800/ (1) V FUVA (COS.sp.130 2815)  Comments: ETC buffer t	RK  ad to efficiently s  WD0308-565  time is 362, larged before no nee	S/C, DATA, NONE  chedule the reconfiguration to SEG- COS/FUV, TIME-TAG, PSA  er than exptime	G140L	BUFFER-TIME=26 3; FP-POS=3; SEGMENT=A; LIFETIME-POS=L	FUV HVLOW HVL	[==>] 363 Secs (363 Secs)	
Comments: Work-aroun  G140L/800/ (1) V FUVA (COS.sp.130 2815)  Comments: ETC buffer t	RK  ad to efficiently s  WD0308-565  time is 362, larged before no nee	S/C, DATA, NONE  chedule the reconfiguration to SEG- COS/FUV, TIME-TAG, PSA  er than exptime	G140L	BUFFER-TIME=26 3; FP-POS=3; SEGMENT=A; LIFETIME-POS=L	FUV HVLOW HVL	[==>] 363 Secs (363 Secs)	
Comments: Work-aroun  G140L/800/ (1) V FUVA (COS.sp.130 2815)  Comments: ETC buffer t	RK  ad to efficiently s  WD0308-565  time is 362, larged before no nee	S/C, DATA, NONE  chedule the reconfiguration to SEG- COS/FUV, TIME-TAG, PSA  er than exptime	G140L	BUFFER-TIME=26 3; FP-POS=3; SEGMENT=A; LIFETIME-POS=L	FUV HVLOW HVL	[==>] 363 Secs (363 Secs)	

Proposal 15535 - WD0308-AUG-withDELTA (58) - Cycle 26 COS FUV Spectroscopic Sensitivity Monitor G140L/1105 (1) WD0308-565 /FUVA (COS.sp.102 1720) BUFFER-TIME=22 COS/FUV, TIME-TAG, PSA G140L 327 Secs (327 Secs) 7; 1105 A [==>] FP-POS=3; SEGMENT=A; [3] LIFETIME-POS=L Comments: ETC buffer time is 362, 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 13 G130M/132 (1) WD0308-565 COS/FUV, TIME-TAG, PSA G130M BUFFER-TIME=17 278 Secs (278 Secs) 7/FUVA 8; 1327 A [==>] (COS.sp.102 1693) FP-POS=3; LIFETIME-POS=L [3] P4;

SEGMENT=A

Comments: ETC buffer time is 320 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





Proposal 15535 - GD71-AUG-withDELTA (09) - Cycle 26 COS FUV Spectroscopic Sensitivity Monitor

Proposal 15535, GD71-AUG-withDELTA (09), completed Wed Oct 30 13:01:01 GMT 2019

Diagnostic Status: No Diagnostics

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

Special Requirements: SCHED 100%; BETWEEN 14-AUG-2019:00:00:00 AND 27-AUG-2019:00:00:00 Comments: exposure 4: GO wavecal to calculate the OSM shifts of the G130M/1096/FUVB observation George Chapman added Exposure 3

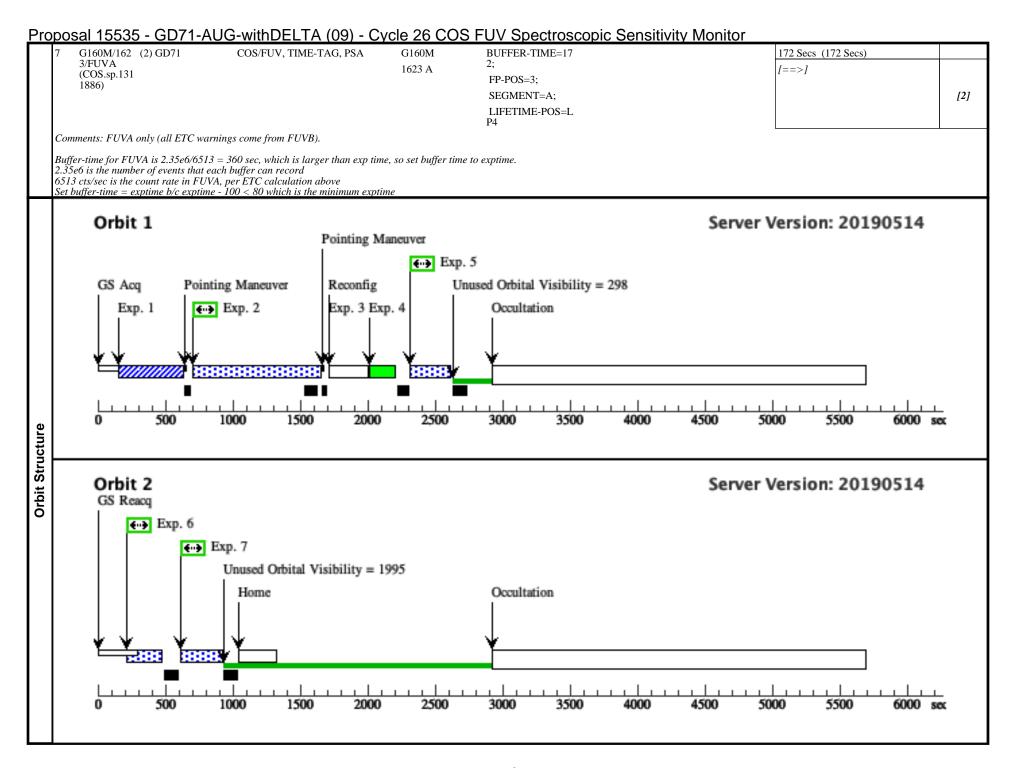
Optimized the exposure time for the G130M/1096 setting to increase its SNR (exp time = 744 s) while remaining within the allocated time.

New cenwave G160M/1533/A has been added to this visit.

	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
ts	(2)	GD71	RA: 05 52 27.6100 (88.1150417d)	Proper Motion RA: 85 mas/yr	V=13.06+/-0.01	Reference Frame: ICRS
rget			Dec: +15 53 13.80 (15.88717d)	Proper Motion Dec: -174 mas/yr		
필			Equinox: J2000	Epoch of Position: 2000		
Fixed	Comments. Carried ov Category= Description Extended=	:STAR n=[DA]	M as in proposal 12392 by Bohlin et al.			

Proposal 15535 - GD71-AUG-withDELTA (09) - Cycle 26 COS FUV Spectroscopic Sensitivity Monitor

# ]	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
		(2) GD71	COS/NUV, ACQ/IMAGE, BOA	MIRRORB				90 Secs (90 Secs)	
	(COS.ta.839 574)							[==>]	[1]
Comm	ients: Exptim	e for S/N of 60 i	is 105.5 sec, using 90 sec leads to S/N of 55	5.					
	G130M/109	(2) GD71	COS/FUV, TIME-TAG, PSA	G130M	BUFFER-TIME=64			744 Secs (744 Secs)	
	6/FUVB/LP 2			1096 A	4; FP-POS=3;			[==>]	
	(COS.sp.839 576)				SEGMENT=B;				[1]
,	370)				LIFETIME-POS=L				[1]
					P2				
Comm	nents: FUVB	only (all ETC w	carnings come from FUVA). c = 644 to maximize time on target.						
3		DARK	S/C, DATA, NONE			QASISTATES CO	S	1 Secs (1 Secs)	
						FUV HVLOW HVL OW	L	[==>]	[1]
Comm	nents: Work-a	round to efficie	ntly schedule the SEG-B to SEG-A reconfig	puration. Eliminate	s SPSS induced gaps.	OW			1-7
	G130M/109	***	COS/FUV, TIME-TAG, WCA	G130M	FP-POS=3;			140 Secs (140 Secs)	
	6/FUVA W AVECAL/L P2		,	1096 A	SEGMENT=A;			[==>]	
					FLASH=NO;				[1]
					LIFETIME-POS=L				[1]
-	G1 60 <b>)</b> 4/152	(2) CD71	COS/FLIN TIME TAC DOA	CICOM	P2			102 5 (102 5 )	1
3	G160M/153 3/FUVA	(2) GD/1	GD71 COS/FUV, TIME-TAG, PSA	G160M 1533 A	BUFFER-TIME=10 3;			103 Secs (103 Secs)	
	(COS.sp.131 1884)				FP-POS=3;			[>]	
1	1004)				SEGMENT=A;				[1]
					LIFETIME-POS=L				
Comm	onts: FIWA	only (all FTC w	varnings come from FUVB).		P4				
		•							
2.35e6	is the numb	er of events that	113 = 360 sec, which is larger than exp time t each buffer can record	e, so set buffer time	to exptime.				
6513 6	cts/sec is the	count rate in FI	JVA, per ETC calculation above me - 100 < 80 which is the minimum exptin	ne					
	G160M/157		COS/FUV, TIME-TAG, PSA	G160M	BUFFER-TIME=13			132 Secs (132 Secs)	
	7/FUVA (COS.sp.131			1577 A	2;			[==>]	
	(COS.sp.131 1885)				FP-POS=3;				
					SEGMENT=A;				[2]
					LIFETIME-POS=L P4				
Comm	ents: FUVA	onlv (all ETC w	varnings come from FUVB).						
		•	313 = 360 sec, which is larger than exp time	e so set buffer time	to exntime				
2.35e6	is the numb	er of events that	t each buffer can record	e, so sei bujjer iime	ю ехрите.				
6513 c Set bu	cts/sec is the ffer-time = e	count rate in FU xptime b/c expti	JVA, per ETC calculation above me - 100 < 80 which is the minimum exptin	ne					
	,,,	7							



Proposal 15535 - WD0308-OCT-withDELTA (10) - Cycle 26 COS FUV Spectroscopic Sensitivity Monitor

Proposal 15535, WD0308-OCT-withDELTA (10), failed Wed Oct 30 13:01:01 GMT 2019

Diagnostic Status: No Diagnostics Visit

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

Special Requirements: SCHED 100%; BETWEEN 06-OCT-2019:00:00:00 AND 29-OCT-2019:00:00:00

Comments: New cenwaves G160M/1533/B and G140L/800/A have been added to the visit. All G160M observations are now with SEGMENT = B (i.e. segment A is turned off).

s	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
e l	(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
l g	'		Dec: -56 23 49.41 (-56.39706d)	Proper Motion Dec: 0.0643 arcsec/yr		
⊨			Equinox: J2000	Epoch of Position: 2000		
e l		omments: Coordinates carried over	from Cycle 25 proposal			
1.≚	Ca	ategory=STAR				
I IL		escription=[DB]				
	$E_{\lambda}$	xtended=NO				

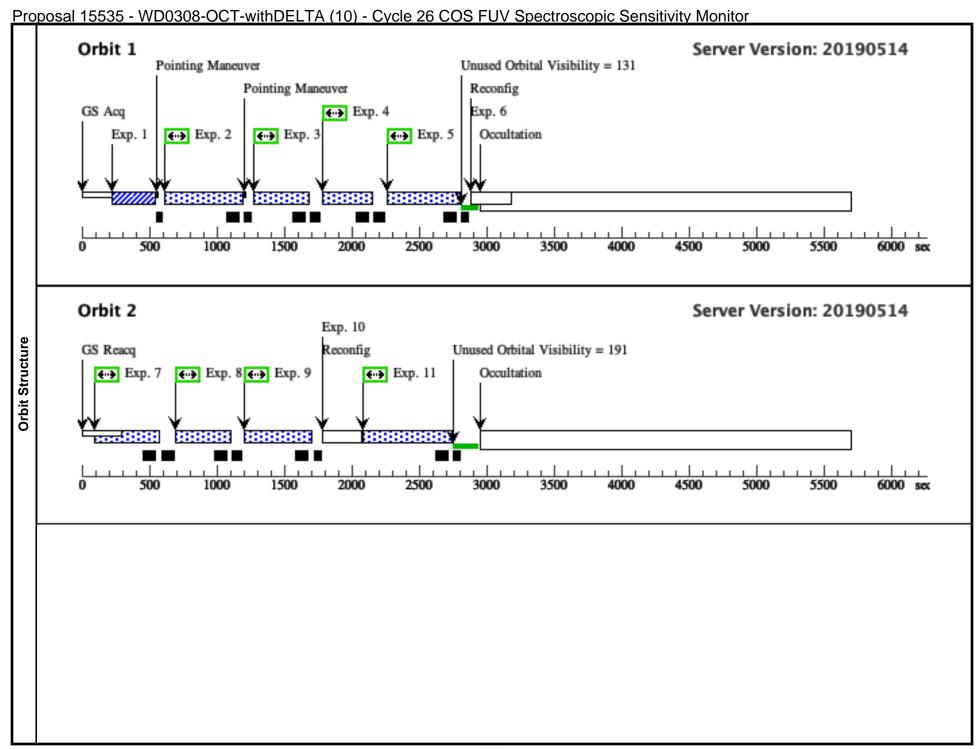
Proposal 15535 - WD0308-OCT-withDELTA (10) - Cycle 26 COS FUV Spectroscopic Sensitivity Monitor

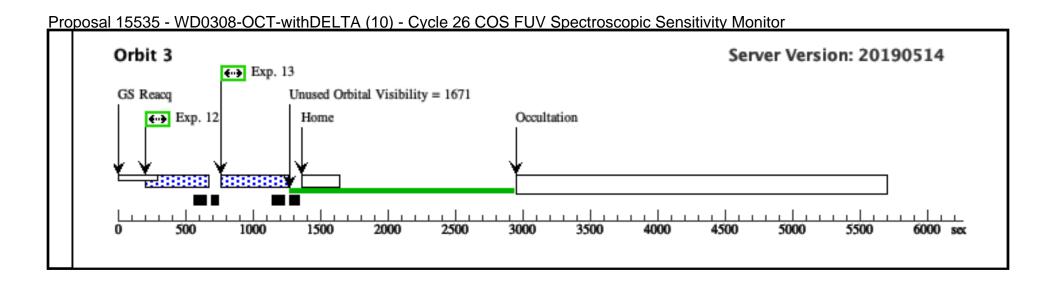
(1) WD0308-565  Fer time is larger the erved before no need to time - 100 P-POS  (1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA  etimes not reduced following updated COS/FUV, TIME-TAG, PSA  an exptime (1482) d to 2/3 factor  COS/FUV, TIME-TAG, PSA  Target has been observed before and the buffer time = exptime -100 sec to m COS/FUV, TIME-TAG, PSA	G130M 1055 A G130M 1222 A	BUFFER-TIME=26 3; FP-POS=3; SEGMENT=BOTH; LIFETIME-POS=L P2  BUFFER-TIME=15 4; FP-POS=3; LIFETIME-POS=L P4; SEGMENT=BOTH tagety margin. get = 126  BUFFER-TIME=13 3;	;		45 Secs (45 Secs) [==>]  363 Secs (363 Secs) [==>]  254 Secs (254 Secs) [==>]	[1]
fer time is larger the erved before no need to time - 100 P-POS  (1) WD0308-565  fer time is 395 sec. Seger than exptime us P-POS	COS/FUV, TIME-TAG, PSA  an exptime (1482) d to 2/3 factor  COS/FUV, TIME-TAG, PSA  Target has been observed before and the buffer time = exptime -100 sec to m	G130M 1055 A  G130M 1222 A  so no need for 2/3 so naximize time on targetime of tar	BUFFER-TIME=26 3; FP-POS=3; SEGMENT=BOTH; LIFETIME-POS=L P2  BUFFER-TIME=15 4; FP-POS=3; LIFETIME-POS=L P4; SEGMENT=BOTH tagety margin. get = 126  BUFFER-TIME=13 3;	;		363 Secs (363 Secs)  [==>]  254 Secs (254 Secs)  [==>]  233 Secs (233 Secs)	[1]
fer time is larger the erved before no need to time - 100 P-POS  (1) WD0308-565  fer time is 395 sec. Seger than exptime us P-POS	COS/FUV, TIME-TAG, PSA  an exptime (1482) d to 2/3 factor  COS/FUV, TIME-TAG, PSA  Target has been observed before and the buffer time = exptime -100 sec to m	G130M 1055 A  G130M 1222 A  so no need for 2/3 so naximize time on targetime of tar	BUFFER-TIME=26 3; FP-POS=3; SEGMENT=BOTH; LIFETIME-POS=L P2  BUFFER-TIME=15 4; FP-POS=3; LIFETIME-POS=L P4; SEGMENT=BOTH tagety margin. get = 126  BUFFER-TIME=13 3;	;		[==>]  254 Secs (254 Secs) [==>]  233 Secs (233 Secs)	
fer time is larger the erved before no need to time - 100 P-POS  (1) WD0308-565  Ger time is 395 sec. Seger than exptime us P-POS	an exptime (1482) d to 2/3 factor COS/FUV, TIME-TAG, PSA Target has been observed before and to buffer time = exptime -100 sec to n	G130M 1222 A l so no need for 2/3 s naximize time on targ G130M	3; FP-POS=3; SEGMENT=BOTH; LIFETIME-POS=L P2  BUFFER-TIME=15 4; FP-POS=3; LIFETIME-POS=L P4; SEGMENT=BOTH tagety margin. get = 126  BUFFER-TIME=13 3;			[==>]  254 Secs (254 Secs) [==>]  233 Secs (233 Secs)	
erved before no need to time - 100 P-POS  (1) WD0308-565  Ger time is 395 sec. Seger than exptime us P-POS	d to 2/3 factor  COS/FUV, TIME-TAG, PSA  Target has been observed before and the buffer time = exptime -100 sec to me	G130M 1222 A I so no need for 2/3 s naximize time on targ G130M	FP-POS=3; SEGMENT=BOTH; LIFETIME-POS=L P2  BUFFER-TIME=15 4; FP-POS=3; LIFETIME-POS=L P4; SEGMENT=BOTH tagety margin. get = 126  BUFFER-TIME=13 3;			254 Secs (254 Secs) [==>]  233 Secs (233 Secs)	
erved before no need to time - 100 P-POS  (1) WD0308-565  Ger time is 395 sec. Seger than exptime us P-POS	d to 2/3 factor  COS/FUV, TIME-TAG, PSA  Target has been observed before and the buffer time = exptime -100 sec to me	1222 A  I so no need for 2/3 s naximize time on tary  G130M	SEGMENT=BOTH; LIFETIME-POS=L P2  BUFFER-TIME=15 4; FP-POS=3; LIFETIME-POS=L P4; SEGMENT=BOTH tagety margin. get = 126  BUFFER-TIME=13 3;			[==>] 233 Secs (233 Secs)	
erved before no need to time - 100 P-POS  (1) WD0308-565  Ger time is 395 sec. Seger than exptime us P-POS	d to 2/3 factor  COS/FUV, TIME-TAG, PSA  Target has been observed before and the buffer time = exptime -100 sec to me	1222 A  I so no need for 2/3 s naximize time on tary  G130M	LIFETIME-POS=L P2  BUFFER-TIME=15 4; FP-POS=3; LIFETIME-POS=L P4; SEGMENT=BOTH tagety margin. get = 126  BUFFER-TIME=13 3;			[==>] 233 Secs (233 Secs)	
erved before no need to time - 100 P-POS  (1) WD0308-565  Ger time is 395 sec. Seger than exptime us P-POS	d to 2/3 factor  COS/FUV, TIME-TAG, PSA  Target has been observed before and the buffer time = exptime -100 sec to me	1222 A  I so no need for 2/3 s naximize time on tary  G130M	BUFFER-TIME=15 4; FP-POS=3; LIFETIME-POS=L P4; SEGMENT=BOTH tagety margin. get = 126  BUFFER-TIME=13 3;			[==>] 233 Secs (233 Secs)	[1]
erved before no need to time - 100 P-POS  (1) WD0308-565  Ger time is 395 sec. Seger than exptime us P-POS	d to 2/3 factor  COS/FUV, TIME-TAG, PSA  Target has been observed before and the buffer time = exptime -100 sec to me	1222 A  I so no need for 2/3 s naximize time on tary  G130M	4; FP-POS=3; LIFETIME-POS=L P4; SEGMENT=BOTH safety margin. get = 126 BUFFER-TIME=13 3;			[==>] 233 Secs (233 Secs)	[1]
(1) WD0308-565  fer time is 395 sec. ger than exptime us P-POS	Target has been observed before and se buffer time = exptime -100 sec to n	1222 A  I so no need for 2/3 s naximize time on tary  G130M	4; FP-POS=3; LIFETIME-POS=L P4; SEGMENT=BOTH safety margin. get = 126 BUFFER-TIME=13 3;			[==>] 233 Secs (233 Secs)	[1]
ger than exptime us P-POS	e buffer time = exptime -100 sec to m	so no need for 2/3 s naximize time on tar G130M	FP-POS=3; LIFETIME-POS=L P4; SEGMENT=BOTH safety margin. get = 126 BUFFER-TIME=13 3;			233 Secs (233 Secs)	[1]
ger than exptime us P-POS	e buffer time = exptime -100 sec to m	G130M	LIFETIME-POS=L P4; SEGMENT=BOTH safety margin. get = 126 BUFFER-TIME=13 3;			`	[1]
ger than exptime us P-POS	e buffer time = exptime -100 sec to m	G130M	P4; SEGMENT=BOTH safety margin. get = 126 BUFFER-TIME=13 3;			`	
ger than exptime us P-POS	e buffer time = exptime -100 sec to m	G130M	SEGMENT=BOTH safety margin. get = 126  BUFFER-TIME=13 3;			`	
ger than exptime us P-POS	e buffer time = exptime -100 sec to m	G130M	safety margin. get = 126 BUFFER-TIME=13 3;			`	1
ger than exptime us P-POS	e buffer time = exptime -100 sec to m	G130M	BUFFER-TIME=13 3;			`	Т
(1) WD0308-565	COS/FUV, TIME-TAG, PSA		3;			`	
		1291 A					
			FP-POS=3;			[==>]	
	1908)		LIFETIME-POS=L				[1]
			P4;				[2]
			SEGMENT=BOTH				
fer time is 322 sec. 1 ger than exptime us P-POS	Target has been observed before and se buffer time = exptime -100 sec to m	so no need for 2/3 s naximize time on tar	safety margin. get = 144				
(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L	BUFFER-TIME=22			328 Secs (328 Secs)	
		1280 A	8;			[==>]	
			*				
							[1]
			SEGMENT=BOTH				
ffer time is 451, larg erved before no nee otime - 100 = 180 P-POS	er than exptime d to 2/3 factor						
DARK	S/C, DATA, NONE			QASISTATES COS		1 Secs (1 Secs)	
				OW OW		[==>]	[1]
1	and the state of t	A Fliminates SPSS	induced gaps.				-
er pti P- D.	ved before no nee ime - 100 = 180 POS ARK	POS ARK S/C, DATA, NONE	r time is 451, larger than exptime ved before no need to 2/3 factor ime - 100 = 180 POS	FP-POS=3; LIFETIME-POS=L P4; SEGMENT=BOTH  r time is 451, larger than exptime ved before no need to 2/3 factor ime - 100 = 180 POS  ARK S/C, DATA, NONE	FP-POS=3; LIFETIME-POS=L P4; SEGMENT=BOTH  r time is 451, larger than exptime ved before no need to 2/3 factor ime - 100 = 180 POS  ARK S/C, DATA, NONE  QASISTATES COS FUV HVLOW HVL OW	FP-POS=3; LIFETIME-POS=L P4; SEGMENT=BOTH  r time is 451, larger than exptime ved before no need to 2/3 factor ime - 100 = 180 POS  ARK S/C, DATA, NONE  QASISTATES COS FUV HVLOW HVL OW	FP-POS=3; LIFETIME-POS=L P4; SEGMENT=BOTH  r time is 451, larger than exptime ved before no need to 2/3 factor ime - 100 = 180 POS  ARK S/C, DATA, NONE  QASISTATES COS FUV HVLOW HVL OW  1 Secs (1 Secs) [==>]

G160M/153 (1) WD0308-565 COS/FUV, TIME-TAG, PSA G160M 3/B (COS.sp.131 1897)  mments: ETC buffer time is 487, larger than exptime rget has been observed before no need to 2/3 factor buffer time = exptime - 100  mtinue use of 1 FP-POS  G160M/157 (1) WD0308-565 COS/FUV, TIME-TAG, PSA 7/B (COS.sp.131 1899)  mments: ETC buffer time is 599, larger than exptime rget has been observed before no need to 2/3 factor	FP-POS=3; BUFFER-TIME=12 2; LIFETIME-POS=L P4; SEGMENT=B  FP-POS=3; BUFFER-TIME=17 3; LIFETIME-POS=L P4; SEGMENT=B	222 Secs (222 Secs)  [==>]  273 Secs (273 Secs)  [==>]	[2
mments: ETC buffer time is 487, larger than exptime rget has been observed before no need to 2/3 factor buffer time = exptime - 100  ntinue use of 1 FP-POS  G160M/157 (1) WD0308-565 COS/FUV, TIME-TAG, PSA G160M 7/B (COS.sp.131 1899)  mments: ETC buffer time is 599, larger than exptime	LIFETIME-POS=L P4; SEGMENT=B  FP-POS=3; BUFFER-TIME=17 3; LIFETIME-POS=L P4;		
rget has been observed before no need to 2/3 factor buffer time = exptime - 100  ntinue use of 1 FP-POS  G160M/157 (1) WD0308-565 COS/FUV, TIME-TAG, PSA G160M 7/B (COS.sp.131 1899)  ntinue use of 1 FP-POS  G160M 1577 A	P4; SEGMENT=B FP-POS=3; BUFFER-TIME=17 3; LIFETIME-POS=L P4;		
rget has been observed before no need to 2/3 factor buffer time = exptime - 100  ntinue use of 1 FP-POS  G160M/157 (1) WD0308-565 COS/FUV, TIME-TAG, PSA G160M 7/B (COS.sp.131 1899)  ntinue use of 1 FP-POS  G160M 1577 A	FP-POS=3; BUFFER-TIME=17 3; LIFETIME-POS=L P4;		
rget has been observed before no need to 2/3 factor buffer time = exptime - 100  ntinue use of 1 FP-POS  G160M/157 (1) WD0308-565 COS/FUV, TIME-TAG, PSA G160M 7/B (COS.sp.131 1899)  ntinue use of 1 FP-POS  G160M 1577 A	FP-POS=3; BUFFER-TIME=17 3; LIFETIME-POS=L P4;		
######################################	BUFFER-TIME=17 3; LIFETIME-POS=L P4;		
G160M/157 (1) WD0308-565 COS/FUV, TIME-TAG, PSA G160M 7/B (COS.sp.131 1899)  mments: ETC buffer time is 599, larger than exptime	BUFFER-TIME=17 3; LIFETIME-POS=L P4;		r
7/B (COS.sp.131 1899)  mments: ETC buffer time is 599, larger than exptime	BUFFER-TIME=17 3; LIFETIME-POS=L P4;		
(COS.sp.131 1899)  mments: ETC buffer time is 599, larger than exptime	3; LIFETIME-POS=L P4;	[==>]	r
mments: ETC buffer time is 599, larger than exptime	P4;		r <sub>'</sub>
nments: ETC buffer time is 599, larger than exptime	SEGMENT=B		12
mments: ETC buffer time is 599, larger than exptime			
and has been observed before no need to 2/3 factor			
buffer time = exptime - 100			
ntinue use of 1 FP-POS			
G160M/162 (1) WD0308-565 COS/FUV, TIME-TAG, PSA G160M 3/B	FP-POS=3;	369 Secs (369 Secs)	
(COS.sp.131	BUFFER-TIME=26 9;	[==>]	
1901)	J. LIFETIME-POS=L		1
	P4;		1.
	SEGMENT=B		
mments: ETC buffer time is 799, larger than exptime			
rget has been observed before no need to 2/3 factor buffer time = exptime - 100 = 300 ntinue use of 1 FP-POS			
DARK S/C, DATA, NONE	QASISTATES COS	1 Secs (1 Secs)	
	FUV HVLOW HVL OW	[==>]	[.
mments: Work-around to efficiently schedule the reconfiguration to SEG-A. Eliminates SPSS in			
G140L/800/ (1) WD0308-565 COS/FUV, TIME-TAG, PSA G140L	BUFFER-TIME=26	363 Secs (363 Secs)	
FUVA (COS.sp.130 800 A	3;	[==>]	
2815)	FP-POS=3;		
	SEGMENT=A;		Į.
	LIFETIME-POS=L P4		
mments: ETC buffer time is 362, larger than exptime	F4		
rget has been observed before no need to 2/3 factor			
buffer time = exptime - 100 = 263 ntinue use of 1 FP-POS			
umue use of 1 FF-FOS			

Proposal 15535 - WD0308-OCT-withDELTA (10) - Cycle 26 COS FUV Spectroscopic Sensitivity Monitor

12 G140L/1105 (1) WD0308-565 COS/FUV, TIME-TAG,	PSA G140L	BUFFER-TIME=22	327 Secs (327 Secs)
/FUVA (COS.sp.102 1720)	1105 A	7; FP-POS=3; SEGMENT=A; LIFETIME-POS=L P4	[==>]
Comments: ETC buffer time is 362, 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			
13 G130M/132 (1) WD0308-565 COS/FUV, TIME-TAG, 7/FUVA		BUFFER-TIME=17 8;	278 Secs (278 Secs)
(COS.sp.102	1327 A	FP-POS=3;	[==>]
1693)		LIFETIME-POS=L P4;	[3]
1		SEGMENT=A	





Proposal 15535 - WD0308-OCT-withDELTA (60) - Cycle 26 COS FUV Spectroscopic Sensitivity Monitor

Proposal 15535, WD0308-OCT-withDELTA (60) Wed Oct 30 13:01:01 GMT 2019

Diagnostic Status: No Diagnostics Visit

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

Special Requirements: SCHED 100%; BETWEEN 06-NOV-2019:00:00:00 AND 21-NOV-2019:00:00:00

Comments: New cenwaves G160M/1533/B and G140L/800/A have been added to the visit. All G160M observations are now with SEGMENT = B (i.e. segment A is turned off).

ြ	#	# Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
gets		(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
□	9		Dec: -56 23 49.41 (-56.39706d)	Proper Motion Dec: 0.0643 arcsec/yr		
⊦"			Equinox: J2000	Epoch of Position: 2000		
P P		Comments: Coordinates carried over j	from Cycle 25 proposal			
<b>I</b> .≍	(	Category=STAR				
۱۳		Description=[DB] Extended=NO				

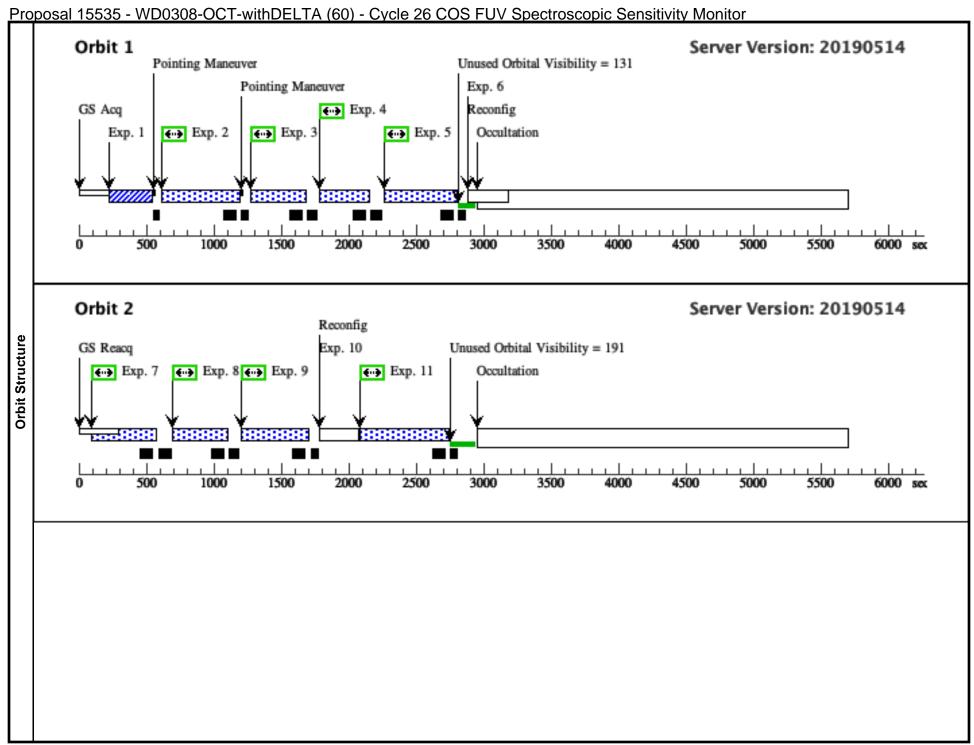
Proposal 15535 - WD0308-OCT-withDELTA (60) - Cycle 26 COS FUV Spectroscopic Sensitivity Monitor

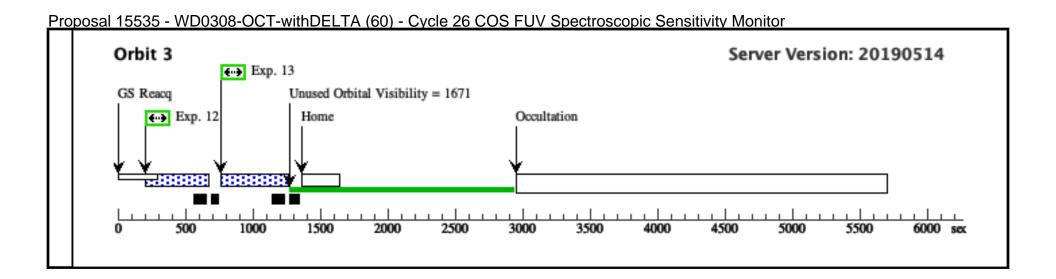
1	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbi		
1	ACQ/IM	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				45 Secs (45 Secs)			
	(839564)							[==>]	[1]		
Com			e times not reduced following updated			affect orbit requested	l.				
2	G130M/105 5/LP2	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M	BUFFER-TIME=26 3;			363 Secs (363 Secs)			
	(COS.sp.130			1055 A	FP-POS=3;			I==>J			
	2752)				SEGMENT=BOTH;	<u>.</u>			[1]		
					LIFETIME-POS=L P2	,			[2]		
Targ Set b	ments: ETC bi et has been ob ouffer time = e. tinue use of 1 l		nan exptime (1482) ed to 2/3 factor								
3		(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M	BUFFER-TIME=15			254 Secs (254 Secs)			
	2 (COS.sp.130			1222 A	4;			[==>]			
	2754)				FP-POS=3;						
					LIFETIME-POS=L P4;				[1]		
					SEGMENT=BOTH						
	Comments: ETC buffer time is 395 sec. Target has been observed before and so no need for 2/3 safety margin. ince buffer time larger than exptime use buffer time = exptime -100 sec to maximize time on target = 126										
	tinue use of 1 I	FP-POS	1	aximize time on tar							
4	G130M/129	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G130M	BUFFER-TIME=13 3;			233 Secs (233 Secs)			
	(COS.sp.131			1291 A	FP-POS=3;			I==>J			
	1908)				LIFETIME-POS=L				[1]		
					P4;				1-3		
					SEGMENT=BOTH						
		uffor time is 322 sec	T 1 1 1 1 1 1 1	so no need for 2/3 s	afety margin						
Since	e buffer time la	ärger than exptime us	Target has been observed before and se buffer time = exptime -100 sec to m	naximize time on targ	get = 144						
Since	e buffer time lo tinue use of 1 l G140L/1280	arger than exptime us FP-POS (1) WD0308-565	COS/FUV, TIME-TAG, PSA	G140L	BUFFER-TIME=22			328 Secs (328 Secs)			
Since	e buffer time lo tinue use of 1 I	arger than exptime us FP-POS (1) WD0308-565	se buffer time = exptime -100 sec to m	aximize time on tarį	BUFFER-TIME=22 8;			328 Secs (328 Secs) [==>]			
Since	e buffer time le tinue use of 1 l G140L/1280 (COS.sp.102	arger than exptime us FP-POS (1) WD0308-565	se buffer time = exptime -100 sec to m	G140L	BUFFER-TIME=22 8; FP-POS=3;				(11)		
Since	e buffer time le tinue use of 1 l G140L/1280 (COS.sp.102	arger than exptime us FP-POS (1) WD0308-565	se buffer time = exptime -100 sec to m	G140L	BUFFER-TIME=22 8;				[1]		
Since	e buffer time le tinue use of 1 l G140L/1280 (COS.sp.102	arger than exptime us FP-POS (1) WD0308-565	se buffer time = exptime -100 sec to m	G140L	BUFFER-TIME=22 8; FP-POS=3; LIFETIME-POS=L				[1]		
Since Com 5 Com Targ Set b	e buffer time lo inue use of 1 i G140L/1280 (COS.sp.102 1719) ments: ETC bi	arger than exptime us FP-POS  (1) WD0308-565  uffer time is 451, largeserved before no new axptime - 100 = 180	se buffer time = exptime -100 sec to m  COS/FUV, TIME-TAG, PSA	G140L	BUFFER-TIME=22 8; FP-POS=3; LIFETIME-POS=L P4;				[1]		
Since Com 5 Com Targ Set b	e buffer time le inue use of 1 i G140L/1280 (COS.sp.102 1719) ments: ETC bi et has been ob uffer time = e.	arger than exptime us FP-POS  (1) WD0308-565  uffer time is 451, largeserved before no new axptime - 100 = 180	se buffer time = exptime -100 sec to m  COS/FUV, TIME-TAG, PSA	G140L	BUFFER-TIME=22 8; FP-POS=3; LIFETIME-POS=L P4;	QASISTATES COS	3		[1]		
Com Targ Set b	e buffer time le inue use of 1 i G140L/1280 (COS.sp.102 1719) ments: ETC bi et has been ob uffer time = e.	arger than exptime us FP-POS  (1) WD0308-565  uffer time is 451, larg sserved before no nee xptime - 100 = 180 FP-POS	se buffer time = exptime -100 sec to m COS/FUV, TIME-TAG, PSA ger than exptime ed to 2/3 factor	G140L	BUFFER-TIME=22 8; FP-POS=3; LIFETIME-POS=L P4;	QASISTATES COS FUV HVLOW HVI OW	3	[==>]	[1]		
Com Targ Set b Con	e buffer time la inue use of 1 i G140L/1280 (COS.sp.102 1719) ments: ETC bi et has been ob suffer time = e. inue use of 1 i	arger than exptime us FP-POS  (1) WD0308-565  uffer time is 451, larg bserved before no nee exptime - 100 = 180 FP-POS  DARK	se buffer time = exptime -100 sec to m COS/FUV, TIME-TAG, PSA ger than exptime ed to 2/3 factor	G140L 1280 A	BUFFER-TIME=22 8; FP-POS=3; LIFETIME-POS=L P4; SEGMENT=BOTH	FUV HVLOW HVI		[==>]  1 Secs (1 Secs)			
Com Targ Set b Con	e buffer time la inue use of 1 i G140L/1280 (COS.sp.102 1719) ments: ETC bi et has been ob suffer time = e. inue use of 1 i	arger than exptime us FP-POS  (1) WD0308-565  uffer time is 451, larg bserved before no nee exptime - 100 = 180 FP-POS  DARK	se buffer time = exptime -100 sec to m  COS/FUV, TIME-TAG, PSA  ger than exptime ed to 2/3 factor  S/C, DATA, NONE	G140L 1280 A	BUFFER-TIME=22 8; FP-POS=3; LIFETIME-POS=L P4; SEGMENT=BOTH	FUV HVLOW HVI	3	[==>]  1 Secs (1 Secs)			
Com Targ Set b Con	e buffer time la inue use of 1 i G140L/1280 (COS.sp.102 1719) ments: ETC bi et has been ob suffer time = e. inue use of 1 i	arger than exptime us FP-POS  (1) WD0308-565  uffer time is 451, larg bserved before no nee exptime - 100 = 180 FP-POS  DARK	se buffer time = exptime -100 sec to m  COS/FUV, TIME-TAG, PSA  ger than exptime ed to 2/3 factor  S/C, DATA, NONE	G140L 1280 A	BUFFER-TIME=22 8; FP-POS=3; LIFETIME-POS=L P4; SEGMENT=BOTH	FUV HVLOW HVI		[==>]  1 Secs (1 Secs)			
Com Targ Set b Con	e buffer time la inue use of 1 i G140L/1280 (COS.sp.102 1719) ments: ETC bi et has been ob suffer time = e. inue use of 1 i	arger than exptime us FP-POS  (1) WD0308-565  uffer time is 451, larg bserved before no nee exptime - 100 = 180 FP-POS  DARK	se buffer time = exptime -100 sec to m  COS/FUV, TIME-TAG, PSA  ger than exptime ed to 2/3 factor  S/C, DATA, NONE	G140L 1280 A	BUFFER-TIME=22 8; FP-POS=3; LIFETIME-POS=L P4; SEGMENT=BOTH	FUV HVLOW HVI		[==>]  1 Secs (1 Secs)			

(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M	FP-POS=3;		222 Secs (222 Secs)	
		1533 A	BUFFER-TIME=12		[==>]	
			,			
			LIFETIME-POS=L P4;			[2
			SEGMENT=B			
ffer time is 487, larg served before no nee ptime - 100	zer than exptime ed to 2/3 factor					
P-POS						
(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M	FP-POS=3;		273 Secs (273 Secs)	
		1577 A			[==>]	
			,			
						Į.
			SEGMENT=B			
ffer time is 599, larg	zer than exptime					
served before no nee ptime - 100	ed to 2/3 factor					
P-POS					T	
(1) WD0308-565	COS/FUV, TIME-TAG, PSA				-	
		1623 A			[==>]	
			,			
			P4;			'
			SEGMENT=B			
ffer time is 799, larg served before no nee ptime - 100 = 300	zer than exptime ed to 2/3 factor					
				OVERTATES COS	1 Sags (1 Sags)	
DAKK	S/C, DATA, NONE			FUV HVLOW HVL		
				OW	[>]	[
(1) WD0308-565	COS/FUV, TIME-TAG, PSA				,	
		800 A	FP-POS=3;		I==>J	
			SEGMENT=A;			1
			LIFETIME-POS=L			
	erved before no nee ptime - 100  P-POS  (1) WD0308-565   ffer time is 599, larg erved before no nee ptime - 100  P-POS  (1) WD0308-565   ffer time is 799, larg erved before no nee prime - 100 = 300  P-POS  DARK	ffer time is 599, larger than exptime verved before no need to 2/3 factor votime - 100  P-POS  (1) WD0308-565 COS/FUV, TIME-TAG, PSA  (1) WD0308-565 COS/FUV, TIME-TAG, PSA  (2) Figure 100 = 300  P-POS  DARK S/C, DATA, NONE	ffer time is 487, larger than exptime erved before no need to 2/3 factor potime - 100  P-POS  (1) WD0308-565 COS/FUV, TIME-TAG, PSA G160M 1577 A  ffer time is 599, larger than exptime erved before no need to 2/3 factor potime - 100  P-POS  (1) WD0308-565 COS/FUV, TIME-TAG, PSA G160M 1623 A  ffer time is 799, larger than exptime erved before no need to 2/3 factor potime - 100 = 300  P-POS  DARK S/C, DATA, NONE	2; LIFETIME-POS=L P4; SEGMENT=B  ffer time is 487, larger than exptime erved before no need to 2/3 factor  p-POS  (1) WD0308-565 COS/FUV, TIME-TAG, PSA G160M FP-POS=3; LIFETIME=17 3; LIFETIME=POS=L P4; SEGMENT=B  ffer time is 599, larger than exptime erved before no need to 2/3 factor  otime - 100  P-POS  (1) WD0308-565 COS/FUV, TIME-TAG, PSA G160M FP-POS=3; LIFETIME=26 9; LIFETIME=26 9; LIFETIME=POS=L P4; SEGMENT=B  ffer time is 799, larger than exptime erved before no need to 2/3 factor  otime - 100 = 300 P-POS  DARK S/C, DATA, NONE   round to efficiently schedule the reconfiguration to SEG-A. Eliminates SPSS induced gaps.  (1) WD0308-565 COS/FUV, TIME-TAG, PSA G140L BUFFER-TIME=26 800 A  3;	2; LIFETIME-POS=L P4; SEGMENT=B  Great time is 487, larger than exptime erved before no need to 2/3 factor ntime - 100  P-POS  (1) WD0308-565 COS/FUV, TIME-TAG, PSA GI60M FP-POS=3; LIFETIME-POS=L P4; SEGMENT=B  Great time is 599, larger than exptime erved before no need to 2/3 factor ntime - 100  P-POS  (1) WD0308-565 COS/FUV, TIME-TAG, PSA GI60M FP-POS=3; LIFETIME-POS=L P4; SEGMENT=B  GI60M FP-POS=3; LIFETIME=26 9; LIFETIME-POS=L P4; SEGMENT=B  GI60M FP-POS=3; LIFETIME=26 9; LIFETIME-POS=L P4; SEGMENT=B  GI60M FP-POS=3; LIFETIME-POS=L P4; SEGMENT=B  GI60M FP-POS=3; LIFETIME-POS=L P4; SEGMENT=B  GI60M FP-POS=3; LIFETIME=26 9; LIFETIME=26 9; LIFETIME-POS=L P4; SEGMENT=B  GI60M FP-POS=3; LIFETIME=26 9; LIFTIME=26 9; LIFETIME=26 9; LIFETIME=26 9; LIFETIME=26 9; LIFETIME=	Company   Comp

Proposal 15535 - WD0308-OCT-withDELTA (60) - Cycle 26 COS FUV Spectroscopic Sensitivity Monitor

12 G140L/1105 (1) WD0308-56 /FUVA (COS.sp.102 1720)	55 COS/FUV, TIME-TAG, PSA	G140L 1105 A	BUFFER-TIME=22 7; FP-POS=3; SEGMENT=A; LIFETIME-POS=L P4	327 Secs (327 Secs) [==>]	[3]
Comments: ETC buffer time is 362, Target has been observed before no Set buffer time = exptime - 100 = 1 Continue use of 1 FP-POS 13 G130M/132 (1) WD0308-50	o need to 2/3 factor 80	G130M	BUFFER-TIME=17	278 Secs (278 Secs)	T
7/FUVA (COS.sp.102 1693)	S COS/FUV, THVIE-TAG, TSA	1327 A	8; FP-POS=3; LIFETIME-POS=L	[==>]	[3]
			P4; SEGMENT=A		





Proposal 15535 - GD71-OCT-withDELTA (11) - Cycle 26 COS FUV Spectroscopic Sensitivity Monitor

Proposal 15535, GD71-OCT-withDELTA (11), completed Wed Oct 30 13:01:01 GMT 2019

Diagnostic Status: No Diagnostics

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

Special Requirements: SCHED 100%; BETWEEN 16-OCT-2019:00:00:00 AND 29-OCT-2019:00:00:00 Comments: exposure 4: GO wavecal to calculate the OSM shifts of the G130M/1096/FUVB observation George Chapman added Exposure 3

Optimized the exposure time for the G130M/1096 setting to increase its SNR (exp time = 744 s) while remaining within the allocated time.

New cenwave G160M/1533/A has been added to this visit.

	# Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
ts	(2) GD71	RA: 05 52 27.6100 (88.1150417d)	Proper Motion RA: 85 mas/yr	V=13.06+/-0.01	Reference Frame: ICRS
rget		Dec: +15 53 13.80 (15.88717d)	Proper Motion Dec: -174 mas/yr		
⊒I		Equinox: J2000	Epoch of Position: 2000		
Fixed	Comments: Use sma RA, DEC Carried over from Cycle 25 pr Category=STAR Description=[DA] Fxtended=NO	amd PM as in proposal 12392 by Bohlin et al. oposal.			

Proposal 15535 - GD71-OCT-withDELTA (11) - Cycle 26 COS FUV Spectroscopic Sensitivity Monitor

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit			
		(2) GD71	COS/NUV, ACQ/IMAGE, BOA	MIRRORB				90 Secs (90 Secs)				
	(COS.ta.839 574)							[==>]	[1]			
Comn	nents: Exptim	e for S/N of 60 i	is 105.5 sec, using 90 sec leads to S/N of 55	5.								
	G130M/109	(2) GD71	COS/FUV, TIME-TAG, PSA	G130M	BUFFER-TIME=64			744 Secs (744 Secs)				
	6/FUVB/LP 2			1096 A	4; FP-POS=3;			I==>J				
	(COS.sp.839 576)				SEGMENT=B:				[1]			
	370)				LIFETIME-POS=L				[1]			
					P2							
Comn Set by	nents: FUVB uffer-time = e	only (all ETC w	varnings come from FUVA). $c = 644$ to maximize time on target.									
3		DARK	S/C, DATA, NONE			QASISTATES CO	S	1 Secs (1 Secs)				
						FUV HVLOW HV OW	L	[==>]	[1]			
Comn	nents: Work-a	round to efficie	ently schedule the SEG-B to SEG-A reconfig	guration. Eliminate	s SPSS induced gaps.	011			1 . ,			
	G130M/109		COS/FUV, TIME-TAG, WCA	G130M	FP-POS=3;			140 Secs (140 Secs)				
	6/FUVA W AVECAL/L			1096 A	SEGMENT=A;			[==>]				
	P2				FLASH=NO;				[1]			
					LIFETIME-POS=L				[1]			
5	G160M/153	(2) CD71	COS/EHV TIME TAC DSA	G160M	P2 BUFFER-TIME=10			103 Secs (103 Secs)				
	3/FUVA	(2) GD/1	COS/FUV, TIME-TAG, PSA	1533 A	3;			[==>]				
	(COS.sp.131 1884)		1333 A	FP-POS=3;			[>]					
	1004)				SEGMENT=A;				[1]			
					LIFETIME-POS=L							
Comm	nonts: FIWA	only (all FTC w	varninas come from FUVR)		P4							
	Comments: FUVA only (all ETC warnings come from FUVB).											
Buffer-time for FUVA is 2.35e6/6513 = 360 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												
6513	cts/sec is the	count rate in FU	UVA, per ETC calculation above me - 100 < 80 which is the minimum exptin	ne								
6	G160M/157		COS/FUV, TIME-TAG, PSA	G160M	BUFFER-TIME=13			132 Secs (132 Secs)				
	7/FUVA (COS.sp.131			1577 A	2;			[==>]				
	1885)				FP-POS=3;							
					SEGMENT=A;				[2]			
					LIFETIME-POS=L P4							
Comn	nents: FUVA	only (all ETC w	varnings come from FUVB).						1			
		• .	513 = 360 sec, which is larger than exp time	e so set huffer time	to exntime							
2.35e	6 is the numb	er of events that	t each buffer can record	e, so sei bujjer iime	ю ехрите.							
6513 Set bi	cts/sec is the uffer-time = e.	count rate in FU xptime b/c expti	UVA, per ETC calculation above me - 100 < 80 which is the minimum exptin	ne								
	JJ	, sie empire	cipin									

