



# 17941 - COS FUV LP10 Calibration I: Profiles, Traces, Sensitivities, Flat Fields, and Spatial Resolution

Cycle: 32, Proposal Category: CAL/COS

(Availability Mode: RESTRICTED)

## INVESTIGATORS

<i>Name</i>	<i>Institution</i>
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Dr. Marc Rafelski (CoI) (Contact)	Space Telescope Science Institute
Dr. Svea S Hernandez (CoI) (ESA Member) (Contact)	Space Telescope Science Institute - ESA - JWST
Dr. David J. Sahnou (CoI) (Contact)	Space Telescope Science Institute

## VISITS

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(1) WD0308-565	COS/FUV COS/NUV	1	10-Jun-2025 12:01:10.0	yes
02	(1) WD0308-565	COS/FUV COS/NUV	1	10-Jun-2025 12:01:11.0	yes
03	(1) WD0308-565	COS/FUV COS/NUV	1	10-Jun-2025 12:01:12.0	yes
04	(1) WD0308-565	COS/FUV COS/NUV	1	10-Jun-2025 12:01:12.0	yes

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
05	(1) WD0308-565	COS/FUV COS/NUV	1	10-Jun-2025 12:01:13.0	yes
06	(1) WD0308-565	COS/FUV COS/NUV	1	10-Jun-2025 12:01:14.0	yes
07	(1) WD0308-565	COS/FUV COS/NUV	1	10-Jun-2025 12:01:14.0	yes
08	(1) WD0308-565	COS/FUV COS/NUV	1	10-Jun-2025 12:01:15.0	yes
09	(1) WD0308-565	COS/FUV COS/NUV	1	10-Jun-2025 12:01:16.0	yes
10	(1) WD0308-565	COS/FUV COS/NUV	1	10-Jun-2025 12:01:16.0	yes
11	(1) WD0308-565	COS/FUV COS/NUV	1	10-Jun-2025 12:01:17.0	yes
12	(1) WD0308-565	COS/FUV COS/NUV	1	10-Jun-2025 12:01:17.0	yes

12 Total Orbits Used

### **ABSTRACT**

This program obtains observations of spectrophotometric calibrator white dwarf standard star WD0308-565 for the COS cenwaves moving to LP10 (G160M: 1533, 1577, 1589, 1600, 1611, 1623). The data will be used to determine the 2D cross-dispersion spectral profiles and traces required to perform two-zone extraction, as well as the sensitivities and flat-fields for accurate flux calibration. WD0308-565 is the primary target for this program due to its status as a flux standard and TDS target.

A future supplemental calibration program will observe G191 B2B using SEGMENT = FUV A to more efficiently obtain higher S/N data from which accurate traces and profiles can be measured. This target is not available until August, and will use a future version of APT.

The main requirement for this program is to achieve S/N of about 50 per resel, which is driven by the requirement for obtaining profiles that are

sufficiently accurate that the contours can be located such that the enclosed flux errors are less than 1%. Visits are restricted to single orbits to mitigate the impacts of failed observations, and to increase flexibility in scheduling.

### **OBSERVING DESCRIPTION**

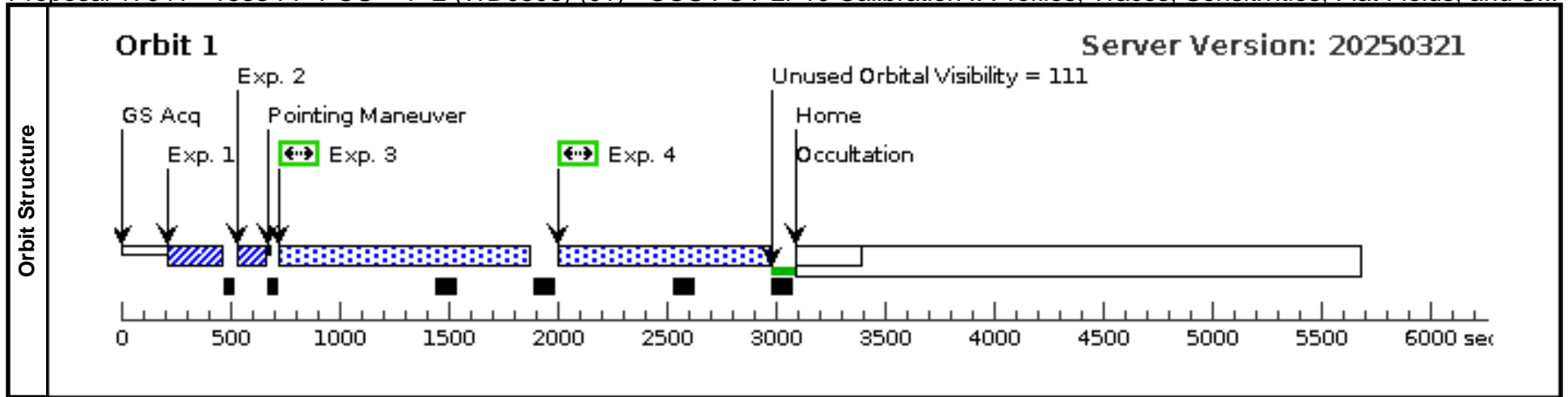
This program contains 12 visits, each using one orbit.

As LP10 is not yet specified in this version of APT, we select the LIFETIME-POS = 8 optional parameter instead. The LP8 SIAF positions match the LP10 values. The LP8 aperture block and focus positions must be patched to use the LP10 values before this program executes.

Proposal 17941 - 1533 FP-POS = 1+2 (WD0308) (01) - COS FUV LP10 Calibration I: Profiles, Traces, Sensitivities, Flat Fields, and S...

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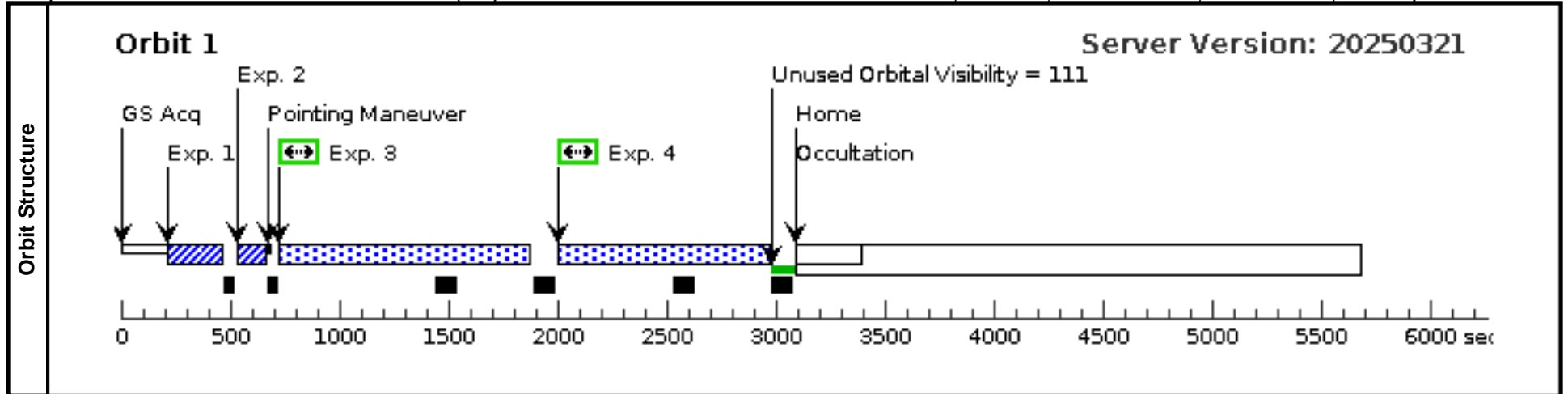
<b>Visit</b>	<b>Proposal 17941, 1533 FP-POS = 1+2 (WD0308) (01), implementation</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: COS/FUV, COS/NUV Special Requirements: GROUP 01.02 WITHIN 14D																																																																				
	<b>Diagnosics</b> (1533 FP-POS = 1+2 (WD0308) (01)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions when observing at a given COS cenwave.																																																																				
<b>Fixed Targets</b>	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(1)</td> <td>WD0308-565</td> <td>RA: 03 09 47.9200 (47.4496667d) Dec: -56 23 49.41 (-56.39706d) Equinox: J2000</td> <td>Proper Motion RA: 0.018141 sec of time/yr Proper Motion Dec: 0.0643 arcsec/yr Epoch of Position: 2000</td> <td>V=14.07+/-0.02</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments: Initially used SIMBAD resolver, but then copied the values directly from Elaine's defined target in Proposal 16906. Most changes were very small.</i>                  Category=STAR                  Description=[DB]                  Extended=NO</p>										#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(1)	WD0308-565	RA: 03 09 47.9200 (47.4496667d) Dec: -56 23 49.41 (-56.39706d) Equinox: J2000	Proper Motion RA: 0.018141 sec of time/yr Proper Motion Dec: 0.0643 arcsec/yr Epoch of Position: 2000	V=14.07+/-0.02	Reference Frame: ICRS																																															
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Proposal 17941 - 1533 FP-POS = 3+4 (02) - COS FUV LP10 Calibration I: Profiles, Traces, Sensitivities, Flat Fields, and Spatial Reso...

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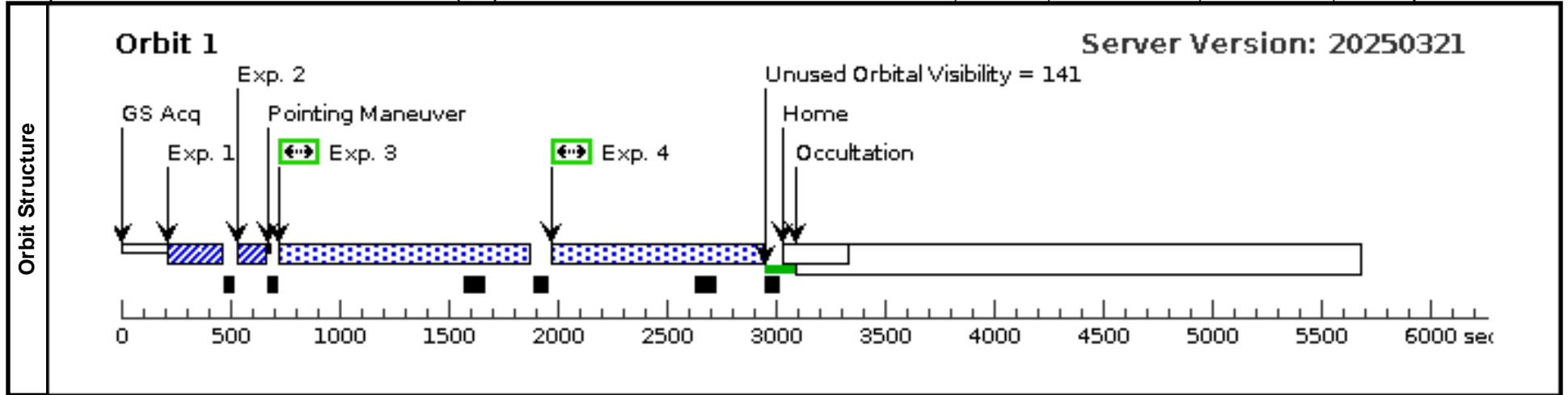
<b>Visit</b>	<b>Proposal 17941, 1533 FP-POS = 3+4 (02), implementation</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none)									
	(1533 FP-POS = 3+4 (02)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions when observing at a given COS cenwave.									
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(1)	WD0308-565	RA: 03 09 47.9200 (47.4496667d) Dec: -56 23 49.41 (-56.39706d) Equinox: J2000	Proper Motion RA: 0.018141 sec of time/yr Proper Motion Dec: 0.0643 arcsec/yr Epoch of Position: 2000	V=14.07+/-0.02	Reference Frame: ICRS				
<i>Comments: Initially used SIMBAD resolver, but then copied the values directly from Elaine's defined target in Proposal 16906. Most changes were very small.</i> Category=STAR Description=[DB] Extended=NO										
<b>Exposures</b>	<b>#</b>	<b>Label (ETC Run)</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time (Total)/[Actual Dur.]</b>	<b>Orbit</b>
	1	ACQ 1 (COS.ta.198 1636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) [==>]	[1]
	2	ACQ 2 (COS.ta.198 1636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) [==>]	[1]
	3	1533 (COS.sp.198 1644)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1533 A	0; FP-POS=3; LIFETIME-POS=L P8			920 Secs (920 Secs) [==>]	[1]
	4	1533 (COS.sp.198 1644)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1533 A	0; FP-POS=4; LIFETIME-POS=L P8			920 Secs (920 Secs) [==>]	[1]



Proposal 17941 - 1577 FP-POS = 1+2 (03) - COS FUV LP10 Calibration I: Profiles, Traces, Sensitivities, Flat Fields, and Spatial Reso...

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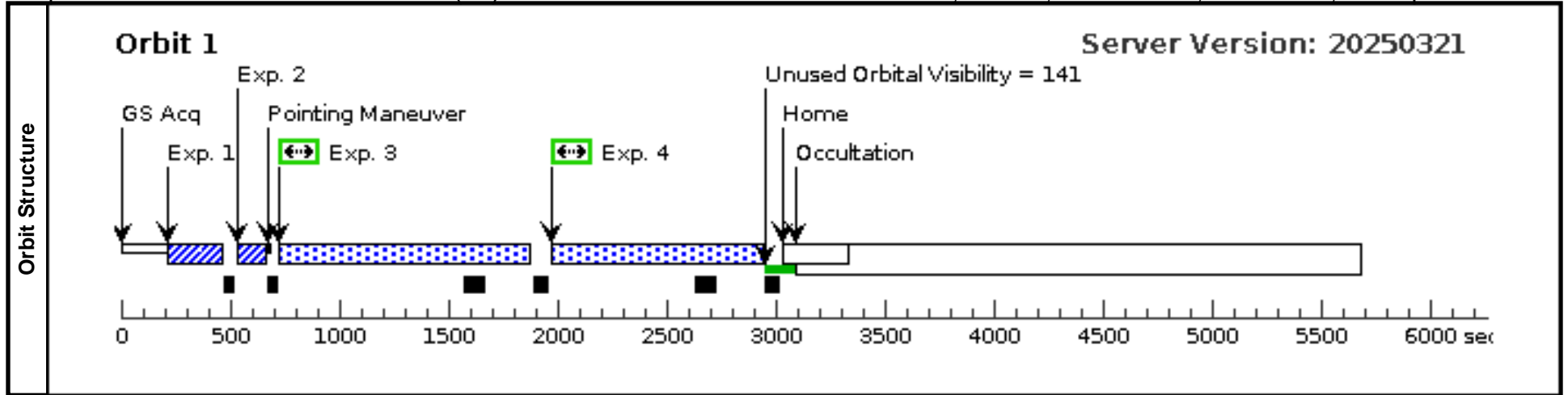
<b>Visit</b>	<b>Proposal 17941, 1577 FP-POS = 1+2 (03), implementation</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: COS/FUV, COS/NUV Special Requirements: GROUP 03.04 WITHIN 14D										
	(1577 FP-POS = 1+2 (03)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions when observing at a given COS cenwave.										
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>	<b>Miscellaneous</b>				
	(1)	WD0308-565	RA: 03 09 47.9200 (47.4496667d) Dec: -56 23 49.41 (-56.39706d) Equinox: J2000	Proper Motion RA: 0.018141 sec of time/yr Proper Motion Dec: 0.0643 arcsec/yr Epoch of Position: 2000		V=14.07+/-0.02	Reference Frame: ICRS				
<i>Comments: Initially used SIMBAD resolver, but then copied the values directly from Elaine's defined target in Proposal 16906. Most changes were very small.</i> Category=STAR Description=[DB] Extended=NO											
<b>Exposures</b>	<b>#</b>	<b>Label (ETC Run)</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time (Total)/[Actual Dur.]</b>		<b>Orbit</b>
	1	ACQ 1 (COS.ta.198 1636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) [==>]		[1]
	2	ACQ 2 (COS.ta.198 1636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) [==>]		[1]
	3	1577 (COS.sp.198 1645)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1577 A	7; FP-POS=1; LIFETIME-POS=L P8			920 Secs (920 Secs) [==>]		[1]
	4	1577 (COS.sp.198 1645)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1577 A	7; FP-POS=2; LIFETIME-POS=L P8			920 Secs (920 Secs) [==>]		[1]
<i>Comments: ETC gives BFT of 940s. Use 2/3*940s = 627 for BFT.</i>											



Proposal 17941 - 1577 FP-POS = 3+4 (04) - COS FUV LP10 Calibration I: Profiles, Traces, Sensitivities, Flat Fields, and Spatial Reso...

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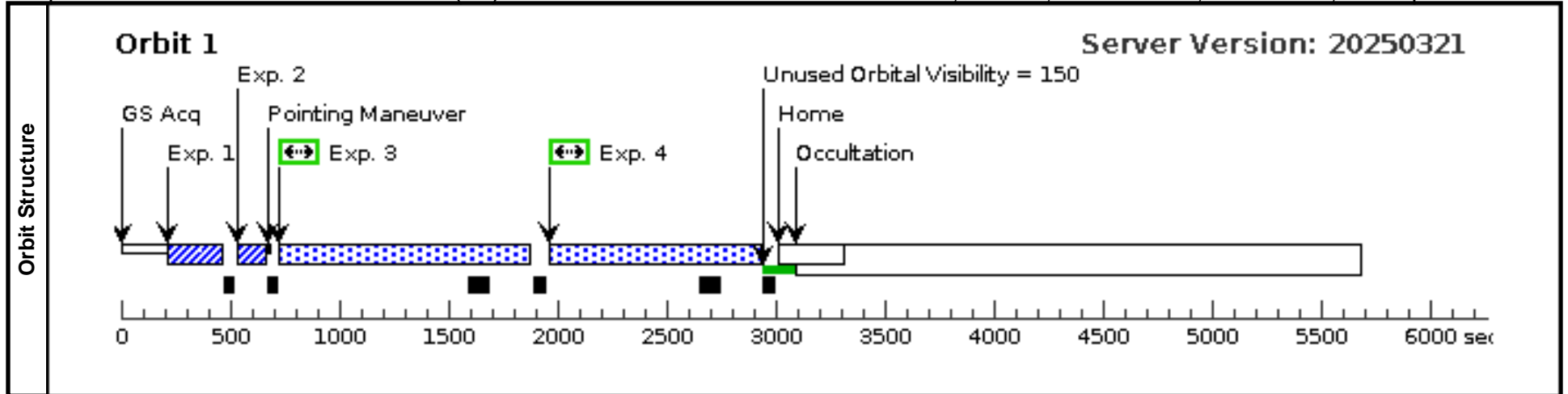
<b>Visit</b>	<b>Proposal 17941, 1577 FP-POS = 3+4 (04), implementation</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none)									
	(1577 FP-POS = 3+4 (04)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions when observing at a given COS cenwave.									
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>	<b>Miscellaneous</b>			
	(1)	WD0308-565	RA: 03 09 47.9200 (47.4496667d) Dec: -56 23 49.41 (-56.39706d) Equinox: J2000	Proper Motion RA: 0.018141 sec of time/yr Proper Motion Dec: 0.0643 arcsec/yr Epoch of Position: 2000		V=14.07+/-0.02	Reference Frame: ICRS			
<i>Comments: Initially used SIMBAD resolver, but then copied the values directly from Elaine's defined target in Proposal 16906. Most changes were very small.</i> Category=STAR Description=[DB] Extended=NO										
<b>Exposures</b>	<b>#</b>	<b>Label (ETC Run)</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time (Total)/[Actual Dur.]</b>	<b>Orbit</b>
	1	ACQ 1 (COS.ta.198 1636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) [==>]	[1]
	2	ACQ 2 (COS.ta.198 1636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) [==>]	[1]
	3	1577 (COS.sp.198 1645)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=62 7; FP-POS=3; LIFETIME-POS=L P8			920 Secs (920 Secs) [==>]	[1]
	4	1577 (COS.sp.198 1645)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1577 A	BUFFER-TIME=62 7; FP-POS=4; LIFETIME-POS=L P8			920 Secs (920 Secs) [==>]	[1]



Proposal 17941 - 1589 FP-POS = 1+2 (05) - COS FUV LP10 Calibration I: Profiles, Traces, Sensitivities, Flat Fields, and Spatial Reso...

Tue Jun 10 16:01:18 GMT 2025

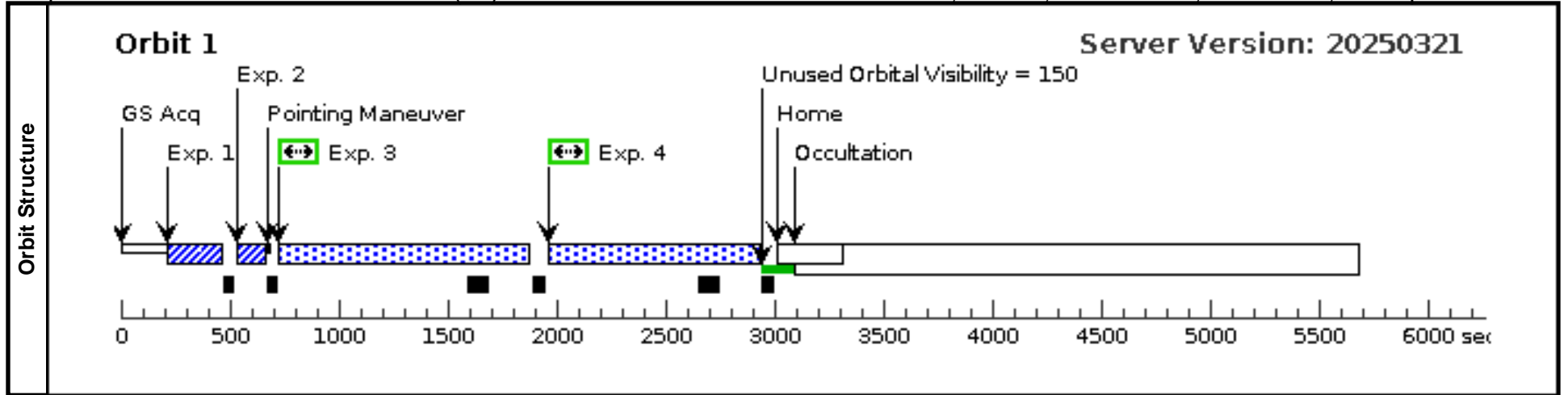
<b>Visit</b>	<b>Proposal 17941, 1589 FP-POS = 1+2 (05), implementation</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: COS/FUV, COS/NUV Special Requirements: GROUP 05.06 WITHIN 14D									
	(1589 FP-POS = 1+2 (05)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions when observing at a given COS cenwave.									
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(1)	WD0308-565	RA: 03 09 47.9200 (47.4496667d) Dec: -56 23 49.41 (-56.39706d) Equinox: J2000	Proper Motion RA: 0.018141 sec of time/yr Proper Motion Dec: 0.0643 arcsec/yr Epoch of Position: 2000	V=14.07+/-0.02	Reference Frame: ICRS				
<i>Comments: Initially used SIMBAD resolver, but then copied the values directly from Elaine's defined target in Proposal 16906. Most changes were very small.</i> Category=STAR Description=[DB] Extended=NO										
<b>Exposures</b>	<b>#</b>	<b>Label (ETC Run)</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time (Total)/[Actual Dur.]</b>	<b>Orbit</b>
	1	ACQ 1 (COS.ta.198 1636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) [==>]	[1]
	2	ACQ 2 (COS.ta.198 1636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) [==>]	[1]
	3	1589 (COS.sp.198 1646)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=65 2; FP-POS=1; LIFETIME-POS=L P8			920 Secs (920 Secs) [==>]	[1]
	<i>Comments: Use 2/3*977s from ETC for BUFFER-TIME</i>									
4	1589 (COS.sp.198 1646)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=65 2; FP-POS=2; LIFETIME-POS=L P8			920 Secs (920 Secs) [==>]	[1]	



Proposal 17941 - 1589 FP-POS = 3+4 (06) - COS FUV LP10 Calibration I: Profiles, Traces, Sensitivities, Flat Fields, and Spatial Reso...

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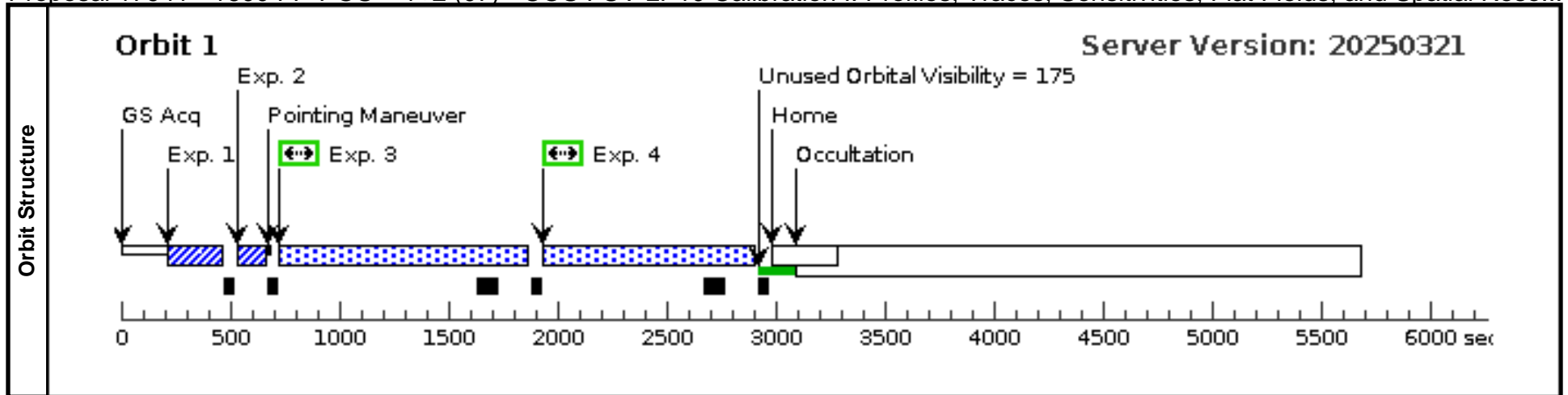
<b>Visit</b>	<b>Proposal 17941, 1589 FP-POS = 3+4 (06), implementation</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none)										
	(1589 FP-POS = 3+4 (06)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions when observing at a given COS cenwave.										
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>	<b>Miscellaneous</b>				
	(1)	WD0308-565	RA: 03 09 47.9200 (47.4496667d) Dec: -56 23 49.41 (-56.39706d) Equinox: J2000	Proper Motion RA: 0.018141 sec of time/yr Proper Motion Dec: 0.0643 arcsec/yr Epoch of Position: 2000		V=14.07+/-0.02	Reference Frame: ICRS				
<i>Comments: Initially used SIMBAD resolver, but then copied the values directly from Elaine's defined target in Proposal 16906. Most changes were very small.</i> Category=STAR Description=[DB] Extended=NO											
<b>Exposures</b>	<b>#</b>	<b>Label (ETC Run)</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time (Total)/[Actual Dur.]</b>		<b>Orbit</b>
	1	ACQ 1 (COS.ta.198 1636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) [==>]		[1]
	2	ACQ 2 (COS.ta.198 1636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) [==>]		[1]
	3	1589 (COS.sp.198 1646)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=65 2; FP-POS=3; LIFETIME-POS=L P8			920 Secs (920 Secs) [==>]		[1]
	4	1589 (COS.sp.198 1646)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=65 2; FP-POS=4; LIFETIME-POS=L P8			920 Secs (920 Secs) [==>]		[1]



Proposal 17941 - 1600 FP-POS = 1+2 (07) - COS FUV LP10 Calibration I: Profiles, Traces, Sensitivities, Flat Fields, and Spatial Reso...

Tue Jun 10 16:01:18 GMT 2025

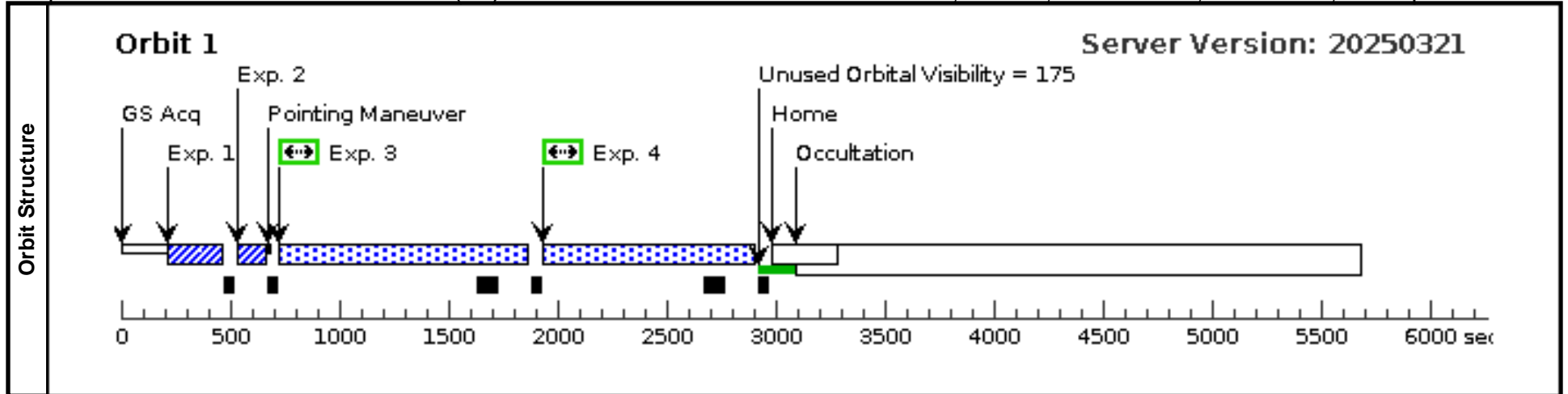
<b>Visit</b>	<b>Proposal 17941, 1600 FP-POS = 1+2 (07), implementation</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: COS/FUV, COS/NUV Special Requirements: GROUP 07.08 WITHIN 14D									
	(1600 FP-POS = 1+2 (07)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions when observing at a given COS cenwave.									
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>	<b>Miscellaneous</b>			
	(1)	WD0308-565	RA: 03 09 47.9200 (47.4496667d) Dec: -56 23 49.41 (-56.39706d) Equinox: J2000	Proper Motion RA: 0.018141 sec of time/yr Proper Motion Dec: 0.0643 arcsec/yr Epoch of Position: 2000		V=14.07+/-0.02	Reference Frame: ICRS			
<i>Comments: Initially used SIMBAD resolver, but then copied the values directly from Elaine's defined target in Proposal 16906. Most changes were very small.</i> Category=STAR Description=[DB] Extended=NO										
<b>Exposures</b>	<b>#</b>	<b>Label (ETC Run)</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time (Total)/[Actual Dur.]</b>	<b>Orbit</b>
	1	ACQ 1 (COS.ta.198 1636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) [==>]	[1]
	2	ACQ 2 (COS.ta.198 1636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) [==>]	[1]
	3	1600 (COS.sp.198 1647)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=70 2; FP-POS=1; LIFETIME-POS=L P8			920 Secs (920 Secs) [==>]	[1]
	<i>Comments: Use 2/3*1052s from ETC for BUFFER-TIME</i>									
4	1600 (COS.sp.198 1647)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=70 2; FP-POS=2; LIFETIME-POS=L P8			920 Secs (920 Secs) [==>]	[1]	



Proposal 17941 - 1600 FP-POS = 3+4 (08) - COS FUV LP10 Calibration I: Profiles, Traces, Sensitivities, Flat Fields, and Spatial Reso...

Tue Jun 10 16:01:18 GMT 2025

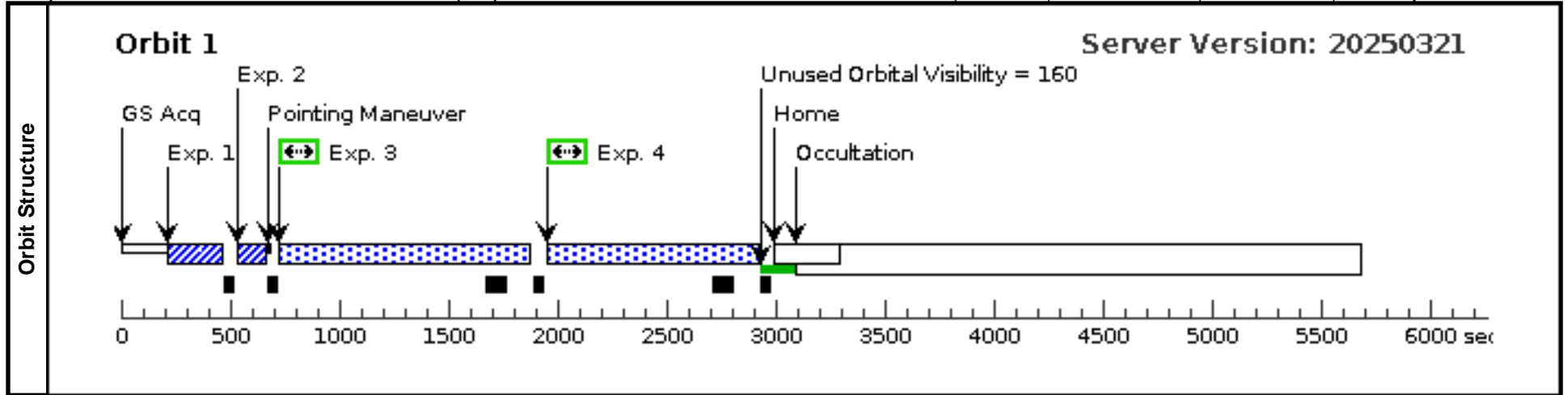
<b>Visit</b>	<b>Proposal 17941, 1600 FP-POS = 3+4 (08), implementation</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none)									
	(1600 FP-POS = 3+4 (08)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions when observing at a given COS cenwave.									
<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	WD0308-565	RA: 03 09 47.9200 (47.4496667d) Dec: -56 23 49.41 (-56.39706d) Equinox: J2000	Proper Motion RA: 0.018141 sec of time/yr Proper Motion Dec: 0.0643 arcsec/yr Epoch of Position: 2000	V=14.07+/-0.02	Reference Frame: ICRS				
<i>Comments: Initially used SIMBAD resolver, but then copied the values directly from Elaine's defined target in Proposal 16906. Most changes were very small.</i> Category=STAR Description=[DB] Extended=NO										
<b>Exposures</b>	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ 1 (COS.ta.198 1636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) [==>]	[1]
	2	ACQ 2 (COS.ta.198 1636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) [==>]	[1]
	3	1600 (COS.sp.198 1647)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=70 2; FP-POS=3; LIFETIME-POS=L P8			920 Secs (920 Secs) [==>]	[1]
	4	1600 (COS.sp.198 1647)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1600 A	BUFFER-TIME=70 2; FP-POS=4; LIFETIME-POS=L P8			920 Secs (920 Secs) [==>]	[1]



Proposal 17941 - 1611 FP-POS = 1+2 (09) - COS FUV LP10 Calibration I: Profiles, Traces, Sensitivities, Flat Fields, and Spatial Reso...

Tue Jun 10 16:01:18 GMT 2025

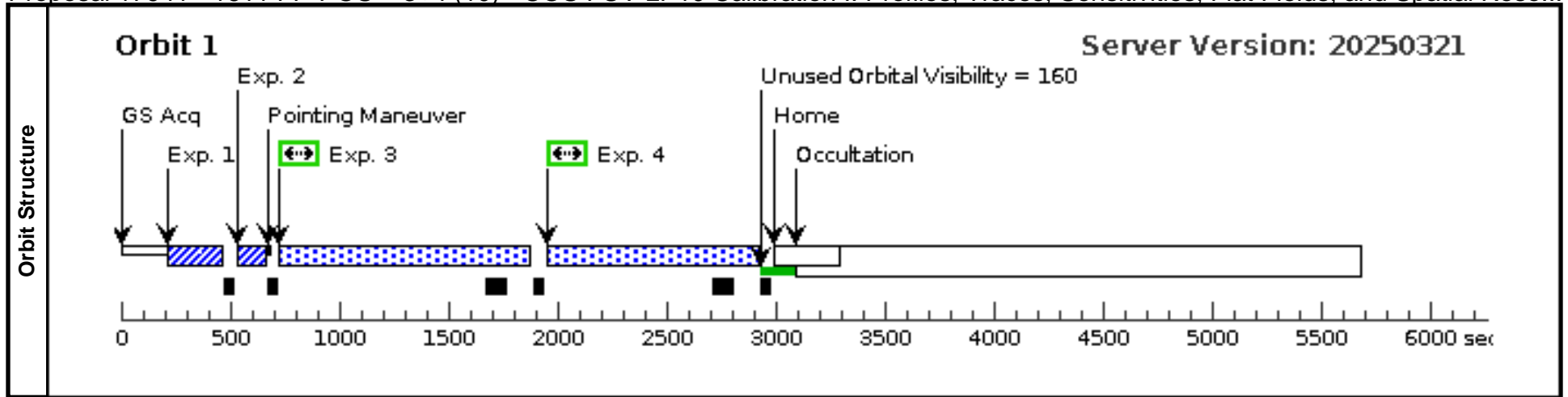
<b>Visit</b>	<b>Proposal 17941, 1611 FP-POS = 1+2 (09), implementation</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: COS/FUV, COS/NUV Special Requirements: GROUP 09,10 WITHIN 14D									
	(1611 FP-POS = 1+2 (09)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions when observing at a given COS cenwave.									
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>	<b>Miscellaneous</b>			
	(1)	WD0308-565	RA: 03 09 47.9200 (47.4496667d) Dec: -56 23 49.41 (-56.39706d) Equinox: J2000	Proper Motion RA: 0.018141 sec of time/yr Proper Motion Dec: 0.0643 arcsec/yr Epoch of Position: 2000		V=14.07+/-0.02	Reference Frame: ICRS			
<i>Comments: Initially used SIMBAD resolver, but then copied the values directly from Elaine's defined target in Proposal 16906. Most changes were very small.</i> Category=STAR Description=[DB] Extended=NO										
<b>Exposures</b>	<b>#</b>	<b>Label (ETC Run)</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time (Total)/[Actual Dur.]</b>	<b>Orbit</b>
	1	ACQ 1 (COS.ta.198 1636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) [==>]	[1]
	2	ACQ 2 (COS.ta.198 1636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) [==>]	[1]
	3	1611 (COS.sp.198 1648)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1611 A	8; FP-POS=1; LIFETIME-POS=L P8			920 Secs (920 Secs) [==>]	[1]
	<i>Comments: Use 2/3*1091 from BFT in ETC for Buffer time.</i>									
4	1611 (COS.sp.198 1648)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1611 A	8; FP-POS=2; LIFETIME-POS=L P8			920 Secs (920 Secs) [==>]	[1]	



Proposal 17941 - 1611 FP-POS = 3+4 (10) - COS FUV LP10 Calibration I: Profiles, Traces, Sensitivities, Flat Fields, and Spatial Reso...

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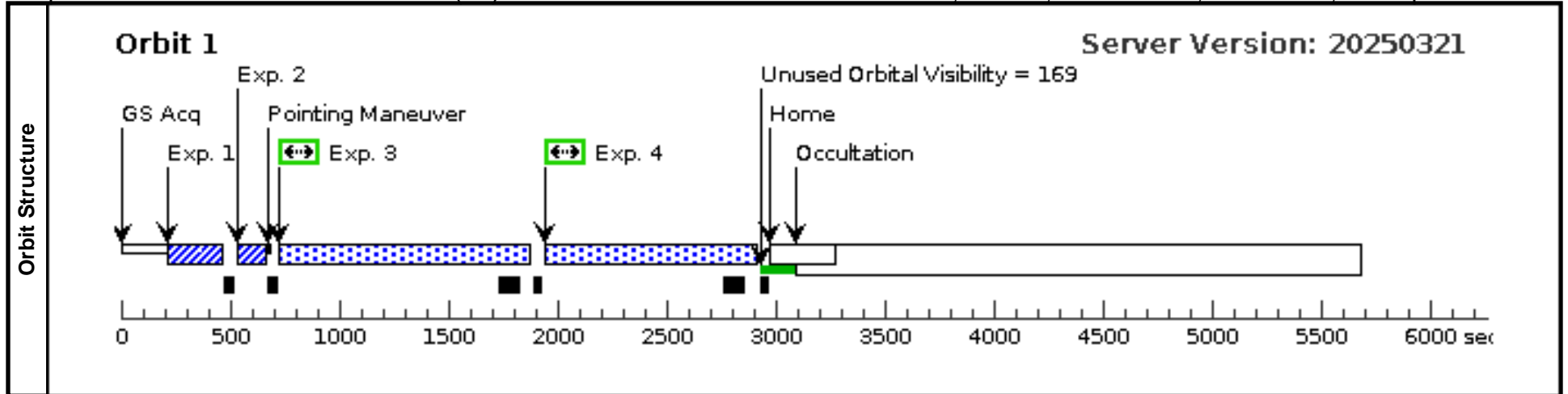
<b>Visit</b>	<b>Proposal 17941, 1611 FP-POS = 3+4 (10), implementation</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none)										
	(1611 FP-POS = 3+4 (10)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions when observing at a given COS cenwave.										
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>	<b>Miscellaneous</b>				
	(1)	WD0308-565	RA: 03 09 47.9200 (47.4496667d) Dec: -56 23 49.41 (-56.39706d) Equinox: J2000	Proper Motion RA: 0.018141 sec of time/yr Proper Motion Dec: 0.0643 arcsec/yr Epoch of Position: 2000		V=14.07+/-0.02	Reference Frame: ICRS				
<i>Comments: Initially used SIMBAD resolver, but then copied the values directly from Elaine's defined target in Proposal 16906. Most changes were very small.</i> Category=STAR Description=[DB] Extended=NO											
<b>Exposures</b>	<b>#</b>	<b>Label (ETC Run)</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time (Total)/[Actual Dur.]</b>		<b>Orbit</b>
	1	ACQ 1 (COS.ta.198 1636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) [==>]		[1]
	2	ACQ 2 (COS.ta.198 1636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) [==>]		[1]
	3	1611 (COS.sp.198 1648)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1611 A	BUFFER-TIME=72 8; FP-POS=3; LIFETIME-POS=L P8			920 Secs (920 Secs) [==>]		[1]
	4	1611 (COS.sp.198 1648)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1611 A	BUFFER-TIME=72 8; FP-POS=4; LIFETIME-POS=L P8			920 Secs (920 Secs) [==>]		[1]



Proposal 17941 - 1623 FP-POS = 1+2 (11) - COS FUV LP10 Calibration I: Profiles, Traces, Sensitivities, Flat Fields, and Spatial Reso...

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<b>Visit</b>	<b>Proposal 17941, 1623 FP-POS = 1+2 (11), implementation</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: COS/FUV, COS/NUV Special Requirements: GROUP 11,12 WITHIN 14D									
	(1623 FP-POS = 1+2 (11)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions when observing at a given COS cenwave.									
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>	<b>Miscellaneous</b>			
	(1)	WD0308-565	RA: 03 09 47.9200 (47.4496667d) Dec: -56 23 49.41 (-56.39706d) Equinox: J2000	Proper Motion RA: 0.018141 sec of time/yr Proper Motion Dec: 0.0643 arcsec/yr Epoch of Position: 2000		V=14.07+/-0.02	Reference Frame: ICRS			
<i>Comments: Initially used SIMBAD resolver, but then copied the values directly from Elaine's defined target in Proposal 16906. Most changes were very small.</i> Category=STAR Description=[DB] Extended=NO										
<b>Exposures</b>	<b>#</b>	<b>Label (ETC Run)</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time (Total)/[Actual Dur.]</b>	<b>Orbit</b>
	1	ACQ 1 (COS.ta.198 1636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) [==>]	[1]
	2	ACQ 2 (COS.ta.198 1636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) [==>]	[1]
	3	1623 (COS.sp.198 1649)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=78 9; FP-POS=1; LIFETIME-POS=L P8			920 Secs (920 Secs) [==>]	[1]
	<i>Comments: Use 2/3*1183 of BFT from ETC.</i>									
4	1623 (COS.sp.198 1649)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=78 9; FP-POS=2; LIFETIME-POS=L P8			920 Secs (920 Secs) [==>]	[1]	



Proposal 17941 - 1623 FP-POS = 3+4 (12) - COS FUV LP10 Calibration I: Profiles, Traces, Sensitivities, Flat Fields, and Spatial Reso...

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<b>Visit</b>	<b>Proposal 17941, 1623 FP-POS = 3+4 (12), implementation</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none)										
	(1623 FP-POS = 3+4 (12)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions when observing at a given COS cenwave.										
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>	<b>Miscellaneous</b>				
	(1)	WD0308-565	RA: 03 09 47.9200 (47.4496667d) Dec: -56 23 49.41 (-56.39706d) Equinox: J2000	Proper Motion RA: 0.018141 sec of time/yr Proper Motion Dec: 0.0643 arcsec/yr Epoch of Position: 2000		V=14.07+/-0.02	Reference Frame: ICRS				
<i>Comments: Initially used SIMBAD resolver, but then copied the values directly from Elaine's defined target in Proposal 16906. Most changes were very small.</i> Category=STAR Description=[DB] Extended=NO											
<b>Exposures</b>	<b>#</b>	<b>Label (ETC Run)</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time (Total)/[Actual Dur.]</b>		<b>Orbit</b>
	1	ACQ 1 (COS.ta.198 1636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) [==>]		[1]
	2	ACQ 2 (COS.ta.198 1636)	(1) WD0308-565	COS/NUV, ACQ/IMAGE, BOA	MIRRORA				11 Secs (11 Secs) [==>]		[1]
	3	1623 (COS.sp.198 1649)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=78 9; FP-POS=3; LIFETIME-POS=L P8			920 Secs (920 Secs) [==>]		[1]
	4	1623 (COS.sp.198 1649)	(1) WD0308-565	COS/FUV, TIME-TAG, PSA	G160M 1623 A	BUFFER-TIME=78 9; FP-POS=4; LIFETIME-POS=L P8			920 Secs (920 Secs) [==>]		[1]

