



16643 - Mapping the escape of ionizing photons across the full ionizing continuum using high-resolution Lyman alpha and C IV observations.

Cycle: 29, Proposal Category: GO

(UV Initiative)

(Availability Mode: SUPPORTED)

INVESTIGATORS

<i>Name</i>	<i>Institution</i>	<i>E-Mail</i>
Dr. Simon Gazagnes (PI) (Contact)	University of Texas at Austin	sgazagnes@gmail.com
Dr. Danielle Berg (CoI)	University of Texas at Austin	daberg@austin.utexas.edu
Prof. John Chisholm (CoI)	University of Texas at Austin	chisholm@austin.utexas.edu
Prof. Dawn K. Erb (CoI)	University of Wisconsin - Milwaukee	erbd@uwm.edu

VISITS

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(1) J223831	COS/FUV COS/NUV	3	24-Jan-2023 15:00:16.0	yes
02	(1) J223831	COS/FUV COS/NUV	3	24-Jan-2023 15:00:16.0	yes
03	(1) J223831	COS/FUV COS/NUV	3	24-Jan-2023 15:00:17.0	yes
Z3	(1) J223831	COS/FUV COS/NUV	3	24-Jan-2023 15:00:18.0	yes
04	(1) J223831	COS/FUV COS/NUV	2	24-Jan-2023 15:00:19.0	yes

Proposal 16643 (STScI Edit Number: 4, Created: Tuesday, January 24, 2023 at 3:00:27 PM Eastern Standard Time) - Overview

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
Z4	(1) J223831	COS/FUV COS/NUV	2	24-Jan-2023 15:00:19.0	yes
05	(2) J150934	COS/FUV COS/NUV	3	24-Jan-2023 15:00:20.0	yes
06	(3) J133126	COS/FUV COS/NUV	2	24-Jan-2023 15:00:21.0	yes
07	(3) J133126	COS/FUV COS/NUV	2	24-Jan-2023 15:00:21.0	yes
08	(4) J094718	COS/FUV COS/NUV	3	24-Jan-2023 15:00:22.0	yes
09	(4) J094718	COS/FUV COS/NUV	3	24-Jan-2023 15:00:23.0	yes
10	(4) J094718	COS/FUV COS/NUV	3	24-Jan-2023 15:00:24.0	yes
Z0	(4) J094718	COS/FUV COS/NUV	3	24-Jan-2023 15:00:24.0	yes
Z8	(4) J094718	COS/FUV	1	24-Jan-2023 15:00:25.0	yes
14	(4) J094718	COS/FUV COS/NUV	1	24-Jan-2023 15:00:25.0	yes
12	(5) J082555	COS/FUV COS/NUV	3	24-Jan-2023 15:00:26.0	yes
13	(5) J082555	COS/FUV COS/NUV	3	24-Jan-2023 15:00:26.0	yes

43 Total Orbits Used

ABSTRACT

Ly-alpha (LyA) is the strongest feature in the rest-frame far-UV emission-line spectra of galaxies and our most reliable indicator of leaking ionizing photons. However, the intergalactic medium is increasingly neutral at higher redshifts, attenuating both ionizing and LyA emission from galaxies

within the epoch of reionization (EoR). Additionally, LyA provides a limited tracer of the escaping ionizing radiation as it probes the low-ionization gas properties (close to the H-ionizing edge at 912 Å, 13.6 eV), while the ionizing continuum peaks at significantly higher energies (500 Å or 24.6 eV). Higher-energy photons significantly contribute to reionizing the neutral hydrogen as they can each ionize 2 H atoms, nevertheless, their escape-fraction is dramatically underestimated by the standard measurement of the ionizing photon escape at 900 Å.

To map the escape of ionizing photons across the full ionizing continuum for the first time, we propose to combine archival and new HST/COS G130M+G160M observations of the LyA and C IV emission profiles of 10 nearby extreme UV emission-line galaxies. LyA and C IV probe different ionization stages (low and high, respectively) of the gas, and thus different energies of ionizing photons. Therefore, these high-resolution observations will enable us to determine the column densities of the low and high ionization gas, estimate the fraction of both low- and high-energy photons escaping EoR systems, and provide reliable diagnostics from emission line features observable in the early universe, which is critical for interpreting FUV emission-line features in forthcoming spectra of high-*z* galaxies with JWST.

OBSERVING DESCRIPTION

Goal:

We will obtain NUV target acquisition images and high-resolution, high signal-to-noise (6-7) HST/COS spectral observations of the Lyman-alpha and C IV emission profiles of 5 nearby extreme UV emission-line galaxies. We will combine these observations to 5 galaxies having archival COS high-resolution observations of LyA and C IV emission profiles to have a sample of 10 reionization-era analogues. This sample will enable us to connect the properties of low- and high-ionization gas derived from resonant Ly-alpha and C IV in the same galaxies for the first time, and thus constrain the dominant properties that control the escape of high-ionization photons in local reionization-era analogs. The latter is critical for interpreting FUV emission-line features in forthcoming spectra of high-*z* galaxies with JWST.

Targets:

Our targets were selected from previous HST/COS and SDSS observations. We selected galaxies having high-ionization zones using an emission-line based diagnostic based on the [Ar IV] 4711,4740 and [Ar III] 7135 high-ionization lines which probe the intermediate to very high ionization zones, and the C III] equivalent width to select targets with similar properties as high-redshift ones. Our final proposed sample is composed of 10 metal-poor reionization-era analogs with extreme ionization fields. Additionally, our galaxies are low redshift, compact, and FUV bright such that we will capture the majority of the FUV light in the COS 2.5" aperture.

Target Acquisition:

All five targets in our sample already have HST/COS low-resolution observations, providing very accurate coordinates. The excellent input coordinates of our sample allow us to utilize the ACQ/IMAGE mode for target acquisition with the PSA aperture and MirrorA for the COS/NUV configuration. We used the reported GALEX FUV magnitudes, converted to surface brightness, to compute the exposure time needed for each galaxy for the target acquisition image. We added "Visit Orientation Requirements" for all targets based either on previous G140L observations (J222821, J133126, J094718, J082555) or G130M observations (J150924)

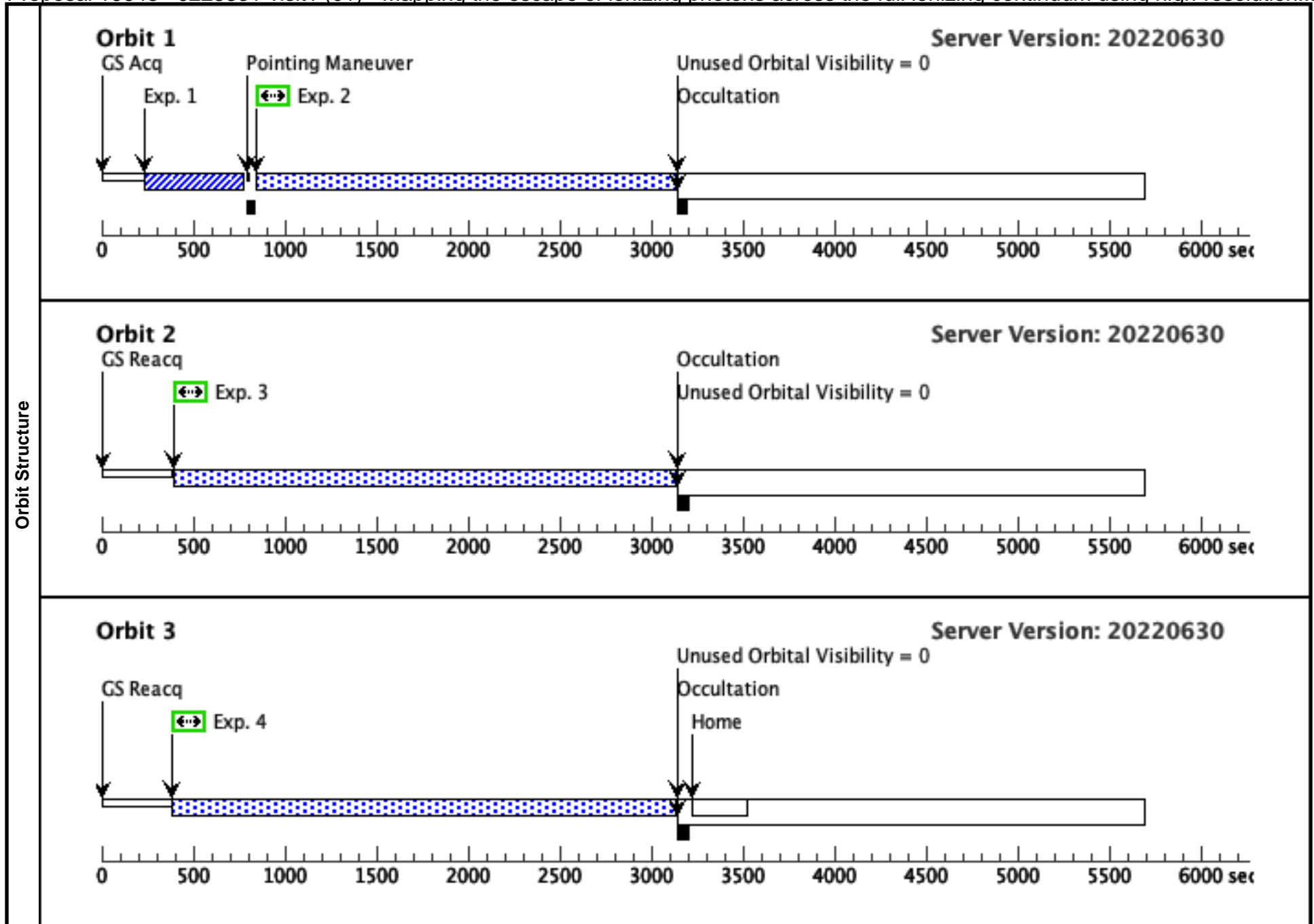
Science Exposures:

We used the COS ETC to determine the time needed to achieve $S/N > 6-7$ per 100 km/s element in G130M and G160M. The ETC reported no warnings for violations of the local and/or global bright object limits. ETCs were based upon the continuum flux at 1500 AA (as measured from archival G140L observations). Our observing strategy complies fully with the COS2025 restrictions: all G130M observations will be performed with cenwave 1291 and use only the FP-POS 3 and 4. We note that J082555 already has G160M observations from the proposal HST-GO-15881. Nevertheless, we are using a different cenwave in our proposal (1611 versus 1533 previously) to observe the O III line doublet at 1666AA.

Proposal 16643 - J223831-visit1 (01) - Mapping the escape of ionizing photons across the full ionizing continuum using high-resolution...

Tue Jan 24 20:00:27 GMT 2023

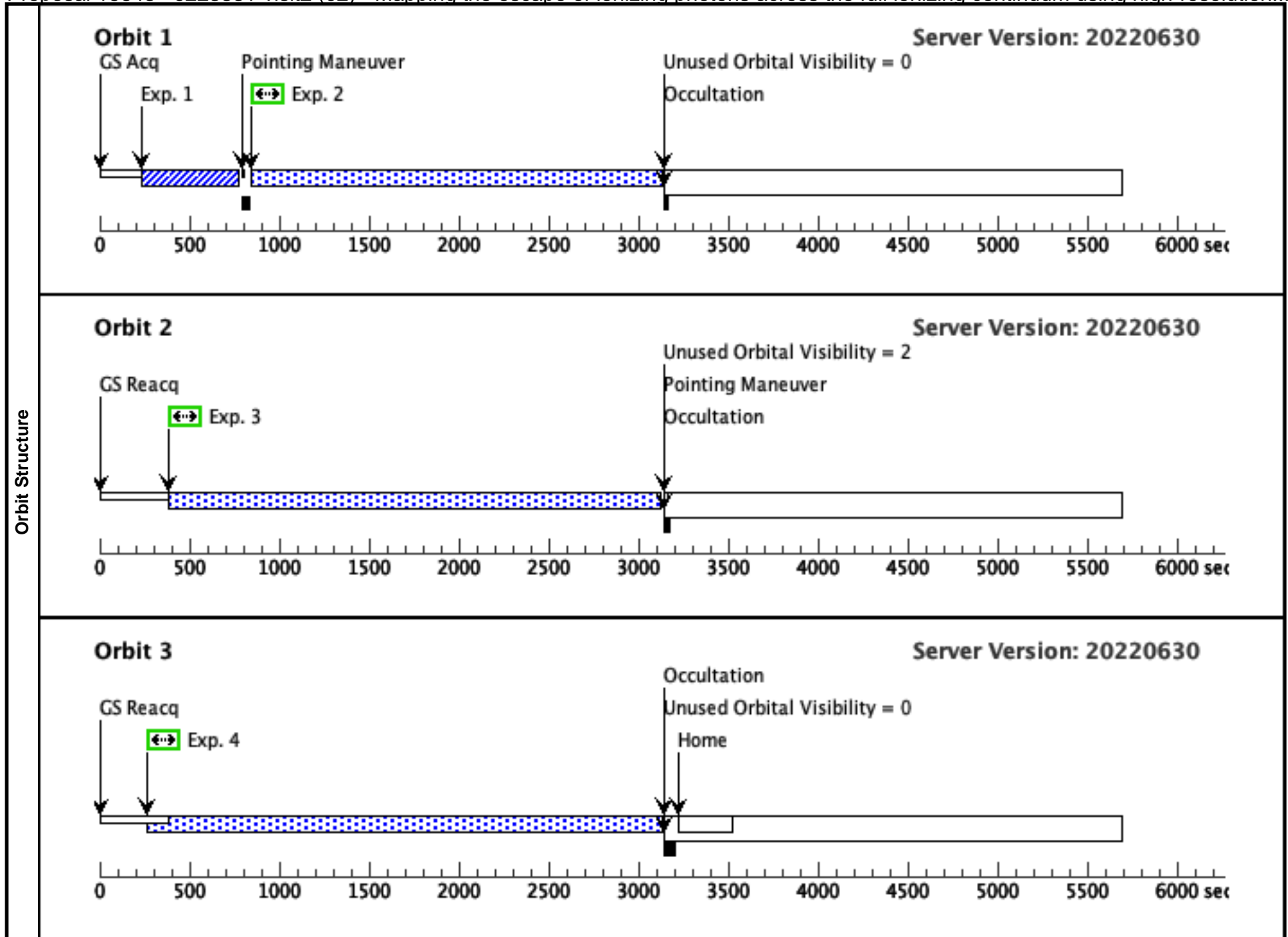
Visit	Proposal 16643, J223831-visit1 (01), completed Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none)																																																							
	(J223831-visit1 (01)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions when observing at a given COS cenwave. See the COS Instrument Handbook for exceptions that may apply to observations with G130M/1291 or G160M. (G130M-v1 (01.002)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details. (G130M-v2 (01.003)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details. (G130M-v3 (01.004)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details.																																																							
Diagnosics																																																								
Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(1)</td> <td>J223831</td> <td>RA: 22 38 31.1110 (339.6296292d) Dec: +14 00 28.29 (14.00786d) Equinox: J2000</td> <td>Redshift: 0.021</td> <td>V=18.97 GALEX FUV = 18.86, SDSS r-band = 18.91</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(1)	J223831	RA: 22 38 31.1110 (339.6296292d) Dec: +14 00 28.29 (14.00786d) Equinox: J2000	Redshift: 0.021	V=18.97 GALEX FUV = 18.86, SDSS r-band = 18.91	Reference Frame: ICRS	Comments: Category=GALAXY Description=[DWARF COMPACT] Extended=YES																																										
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																																																		
(1)	J223831	RA: 22 38 31.1110 (339.6296292d) Dec: +14 00 28.29 (14.00786d) Equinox: J2000	Redshift: 0.021	V=18.97 GALEX FUV = 18.86, SDSS r-band = 18.91	Reference Frame: ICRS																																																			
Exposures	<table border="1"> <thead> <tr> <th>#</th> <th>Label (ETC Run)</th> <th>Target</th> <th>Config,Mode,Aperture</th> <th>Spectral Els.</th> <th>Opt. Params.</th> <th>Special Reqs.</th> <th>Groups</th> <th>Exp. Time (Total)/[Actual Dur.]</th> <th>Orbit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>ACQ/IMG (1525555)</td> <td>(1) J223831</td> <td>COS/NUV, ACQ/IMAGE, PSA</td> <td>MIRRORA</td> <td></td> <td></td> <td></td> <td>162 Secs (162 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>2</td> <td>G130M-v1 (1523110)</td> <td>(1) J223831</td> <td>COS/FUV, TIME-TAG, PSA</td> <td>G130M 1291 A</td> <td>FP-POS=3; FLASH=YES; BUFFER-TIME=55 10; SEGMENT=BOTH</td> <td></td> <td></td> <td>2500 Secs (2119 Secs) [==>2119.0 Secs]</td> <td>[1]</td> </tr> <tr> <td>3</td> <td>G130M-v2 (1523110)</td> <td>(1) J223831</td> <td>COS/FUV, TIME-TAG, PSA</td> <td>G130M 1291 A</td> <td>FP-POS=3; FLASH=YES; BUFFER-TIME=55 10; SEGMENT=BOTH</td> <td></td> <td></td> <td>2500 Secs (2693 Secs) [==>2693.0 Secs]</td> <td>[2]</td> </tr> <tr> <td>4</td> <td>G130M-v3 (1523110)</td> <td>(1) J223831</td> <td>COS/FUV, TIME-TAG, PSA</td> <td>G130M 1291 A</td> <td>FP-POS=4; FLASH=YES; BUFFER-TIME=55 10; SEGMENT=BOTH</td> <td></td> <td></td> <td>2500 Secs (2693 Secs) [==>2693.0 Secs]</td> <td>[3]</td> </tr> </tbody> </table>	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	1	ACQ/IMG (1525555)	(1) J223831	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				162 Secs (162 Secs) [==>]	[1]	2	G130M-v1 (1523110)	(1) J223831	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=3; FLASH=YES; BUFFER-TIME=55 10; SEGMENT=BOTH			2500 Secs (2119 Secs) [==>2119.0 Secs]	[1]	3	G130M-v2 (1523110)	(1) J223831	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=3; FLASH=YES; BUFFER-TIME=55 10; SEGMENT=BOTH			2500 Secs (2693 Secs) [==>2693.0 Secs]	[2]	4	G130M-v3 (1523110)	(1) J223831	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=4; FLASH=YES; BUFFER-TIME=55 10; SEGMENT=BOTH			2500 Secs (2693 Secs) [==>2693.0 Secs]	[3]					
	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit																																														
	1	ACQ/IMG (1525555)	(1) J223831	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				162 Secs (162 Secs) [==>]	[1]																																														
	2	G130M-v1 (1523110)	(1) J223831	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=3; FLASH=YES; BUFFER-TIME=55 10; SEGMENT=BOTH			2500 Secs (2119 Secs) [==>2119.0 Secs]	[1]																																														
	3	G130M-v2 (1523110)	(1) J223831	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=3; FLASH=YES; BUFFER-TIME=55 10; SEGMENT=BOTH			2500 Secs (2693 Secs) [==>2693.0 Secs]	[2]																																														
4	G130M-v3 (1523110)	(1) J223831	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=4; FLASH=YES; BUFFER-TIME=55 10; SEGMENT=BOTH			2500 Secs (2693 Secs) [==>2693.0 Secs]	[3]																																															



Proposal 16643 - J223831-visit2 (02) - Mapping the escape of ionizing photons across the full ionizing continuum using high-resolution...

Tue Jan 24 20:00:27 GMT 2023

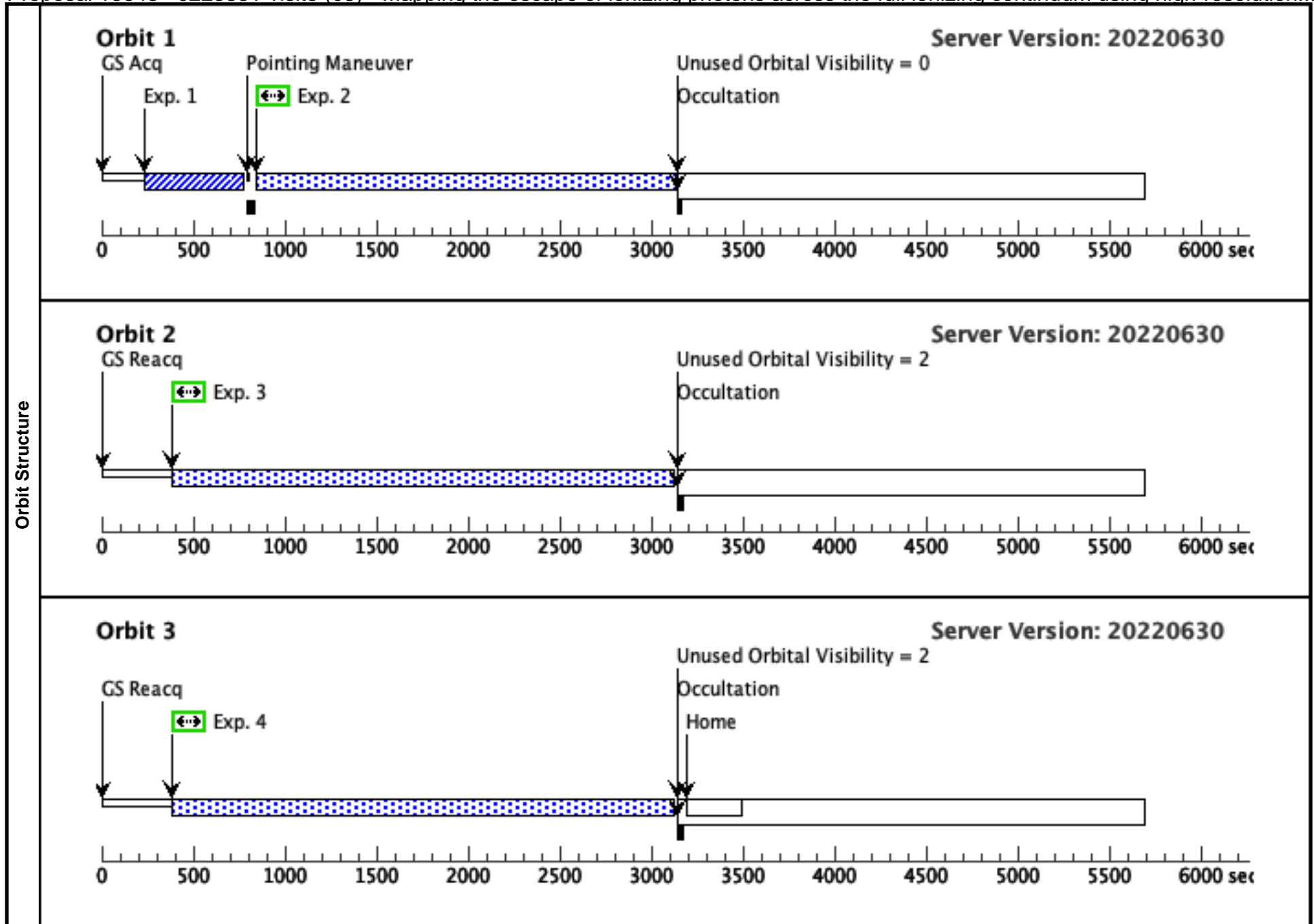
Visit	Proposal 16643, J223831-visit2 (02), completed Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: SAME ORIENT AS 01																																																											
Diagnostics	(J223831-visit2 (02)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions when observing at a given COS cenwave. See the COS Instrument Handbook for exceptions that may apply to observations with G130M/1291 or G160M. (G160M-v1 (02.002)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details. (G160M-v2 (02.003)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details. (G130M-v4 (02.004)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details.																																																											
Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(1)</td> <td>J223831</td> <td>RA: 22 38 31.1110 (339.6296292d) Dec: +14 00 28.29 (14.00786d) Equinox: J2000</td> <td>Redshift: 0.021</td> <td>V=18.97 GALEX FUV = 18.86, SDSS r-band = 18.91</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td colspan="6"> <i>Comments:</i> <i>Category=GALAXY</i> <i>Description=[DWARF COMPACT]</i> <i>Extended=YES</i> </td> </tr> </tbody> </table>										#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(1)	J223831	RA: 22 38 31.1110 (339.6296292d) Dec: +14 00 28.29 (14.00786d) Equinox: J2000	Redshift: 0.021	V=18.97 GALEX FUV = 18.86, SDSS r-band = 18.91	Reference Frame: ICRS	<i>Comments:</i> <i>Category=GALAXY</i> <i>Description=[DWARF COMPACT]</i> <i>Extended=YES</i>																																					
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																																																							
(1)	J223831	RA: 22 38 31.1110 (339.6296292d) Dec: +14 00 28.29 (14.00786d) Equinox: J2000	Redshift: 0.021	V=18.97 GALEX FUV = 18.86, SDSS r-band = 18.91	Reference Frame: ICRS																																																							
<i>Comments:</i> <i>Category=GALAXY</i> <i>Description=[DWARF COMPACT]</i> <i>Extended=YES</i>																																																												
Exposures	<table border="1"> <thead> <tr> <th>#</th> <th>Label (ETC Run)</th> <th>Target</th> <th>Config,Mode,Aperture</th> <th>Spectral Els.</th> <th>Opt. Params.</th> <th>Special Reqs.</th> <th>Groups</th> <th>Exp. Time (Total)/[Actual Dur.]</th> <th>Orbit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>ACQ/IMG (1525555)</td> <td>(1) J223831</td> <td>COS/NUV, ACQ/IMAGE, PSA</td> <td>MIRRORA</td> <td></td> <td></td> <td></td> <td>162 Secs (162 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>2</td> <td>G160M-v1 (1523121)</td> <td>(1) J223831</td> <td>COS/FUV, TIME-TAG, PSA</td> <td>G160M 1611 A</td> <td>FP-POS=3; BUFFER-TIME=20000; SEGMENT=BOTH</td> <td></td> <td></td> <td>2500 Secs (2070 Secs) [==>2070.0 Secs]</td> <td>[1]</td> </tr> <tr> <td>3</td> <td>G160M-v2 (1523121)</td> <td>(1) J223831</td> <td>COS/FUV, TIME-TAG, PSA</td> <td>G160M 1611 A</td> <td>FP-POS=4; BUFFER-TIME=20000; SEGMENT=BOTH</td> <td></td> <td></td> <td>2500 Secs (2691 Secs) [==>2691.0 Secs]</td> <td>[2]</td> </tr> <tr> <td>4</td> <td>G130M-v4 (1523110)</td> <td>(1) J223831</td> <td>COS/FUV, TIME-TAG, PSA</td> <td>G130M 1291 A</td> <td>FP-POS=4; FLASH=YES; BUFFER-TIME=5510; SEGMENT=BOTH</td> <td></td> <td></td> <td>2500 Secs (2691 Secs) [==>2691.0 Secs]</td> <td>[3]</td> </tr> </tbody> </table>										#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	1	ACQ/IMG (1525555)	(1) J223831	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				162 Secs (162 Secs) [==>]	[1]	2	G160M-v1 (1523121)	(1) J223831	COS/FUV, TIME-TAG, PSA	G160M 1611 A	FP-POS=3; BUFFER-TIME=20000; SEGMENT=BOTH			2500 Secs (2070 Secs) [==>2070.0 Secs]	[1]	3	G160M-v2 (1523121)	(1) J223831	COS/FUV, TIME-TAG, PSA	G160M 1611 A	FP-POS=4; BUFFER-TIME=20000; SEGMENT=BOTH			2500 Secs (2691 Secs) [==>2691.0 Secs]	[2]	4	G130M-v4 (1523110)	(1) J223831	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=4; FLASH=YES; BUFFER-TIME=5510; SEGMENT=BOTH			2500 Secs (2691 Secs) [==>2691.0 Secs]	[3]
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit																																																			
1	ACQ/IMG (1525555)	(1) J223831	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				162 Secs (162 Secs) [==>]	[1]																																																			
2	G160M-v1 (1523121)	(1) J223831	COS/FUV, TIME-TAG, PSA	G160M 1611 A	FP-POS=3; BUFFER-TIME=20000; SEGMENT=BOTH			2500 Secs (2070 Secs) [==>2070.0 Secs]	[1]																																																			
3	G160M-v2 (1523121)	(1) J223831	COS/FUV, TIME-TAG, PSA	G160M 1611 A	FP-POS=4; BUFFER-TIME=20000; SEGMENT=BOTH			2500 Secs (2691 Secs) [==>2691.0 Secs]	[2]																																																			
4	G130M-v4 (1523110)	(1) J223831	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=4; FLASH=YES; BUFFER-TIME=5510; SEGMENT=BOTH			2500 Secs (2691 Secs) [==>2691.0 Secs]	[3]																																																			



Proposal 16643 - J223831-visit3 (03) - Mapping the escape of ionizing photons across the full ionizing continuum using high-resolution...

Tue Jan 24 20:00:27 GMT 2023

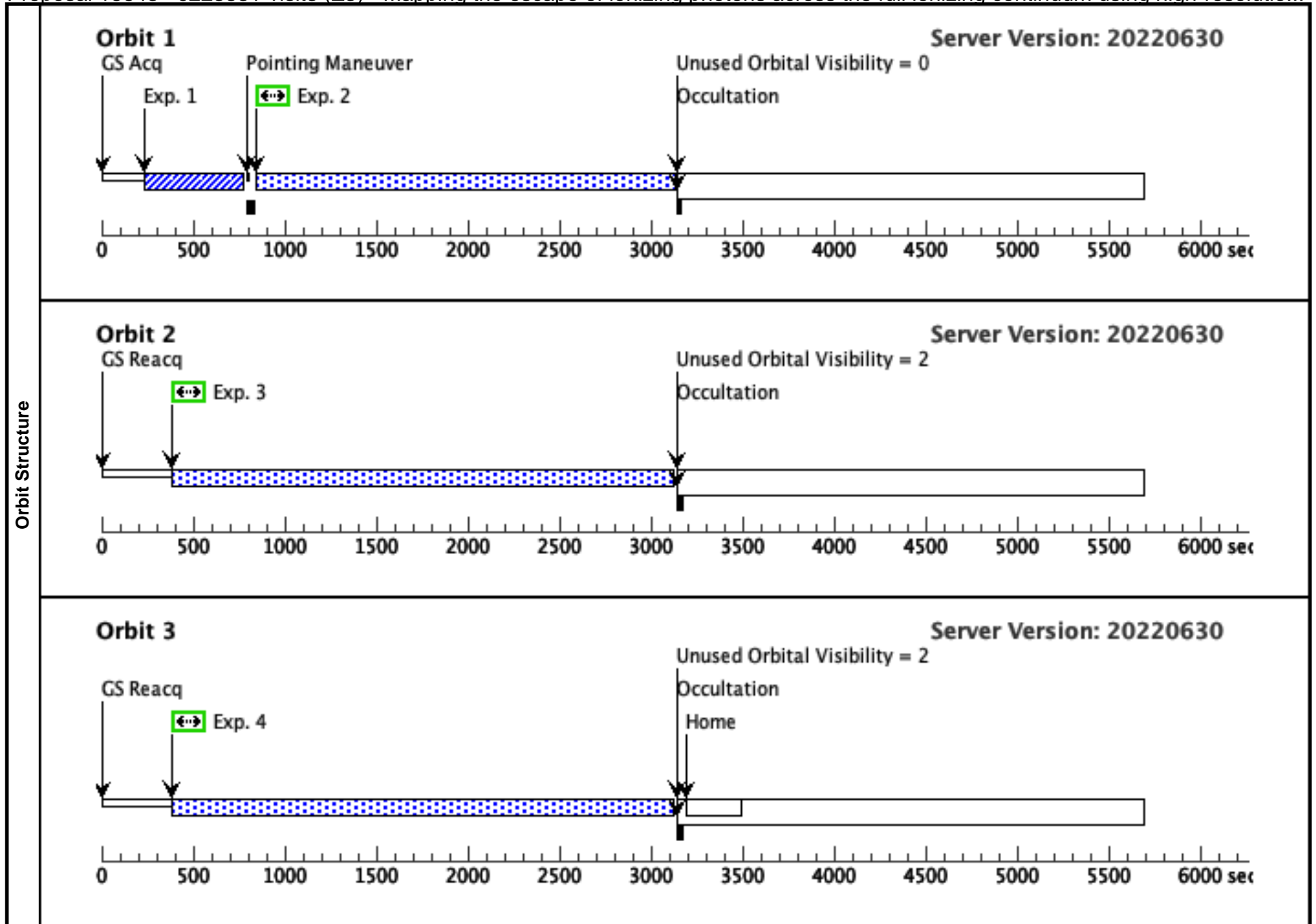
Visit	Proposal 16643, J223831-visit3 (03), failed Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: SAME ORIENT AS 01									
	(J223831-visit3 (03)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions when observing at a given COS cenwave. See the COS Instrument Handbook for exceptions that may apply to observations with G130M/1291 or G160M. (G160M-v3 (03.002)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details. (G160M-v4 (03.003)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details. (G160M-v5 (03.004)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details.									
Diagnosics										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	J223831	RA: 22 38 31.1110 (339.6296292d) Dec: +14 00 28.29 (14.00786d) Equinox: J2000	Redshift: 0.021	V=18.97 GALEX FUV = 18.86, SDSS r-band = 18.91	Reference Frame: ICRS				
Comments: Category=GALAXY Description=[DWARF COMPACT] Extended=YES										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ/IMG (1525555)	(1) J223831	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				162 Secs (162 Secs) [==>]	[1]
	2	G160M-v3 (1523121)	(1) J223831	COS/FUV, TIME-TAG, PSA	G160M 1611 A	FP-POS=1; BUFFER-TIME=20000; SEGMENT=BOTH			2500 Secs (2070 Secs) [==>2070.0 Secs]	[1]
	3	G160M-v4 (1523121)	(1) J223831	COS/FUV, TIME-TAG, PSA	G160M 1611 A	FP-POS=2; BUFFER-TIME=20000; SEGMENT=BOTH			2500 Secs (2691 Secs) [==>2691.0 Secs]	[2]
	4	G160M-v5 (1523121)	(1) J223831	COS/FUV, TIME-TAG, PSA	G160M 1611 A	FP-POS=3; BUFFER-TIME=20000; SEGMENT=BOTH			2500 Secs (2691 Secs) [==>2691.0 Secs]	[3]



Proposal 16643 - J223831-visit3 (Z3) - Mapping the escape of ionizing photons across the full ionizing continuum using high-resolutio...

Tue Jan 24 20:00:27 GMT 2023

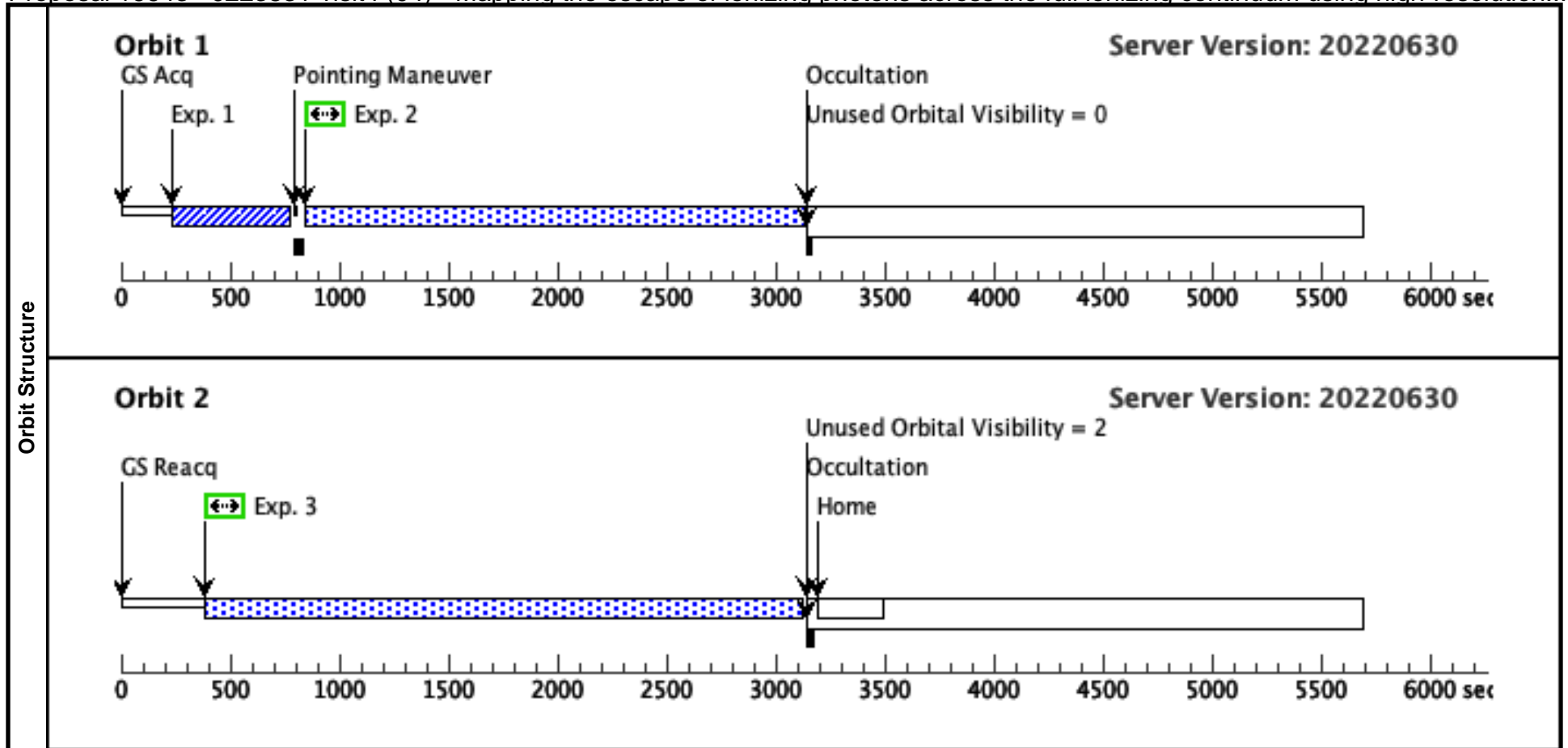
Visit	Proposal 16643, J223831-visit3 (Z3) Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: SAME ORIENT AS 01 <i>Comments: HOPR for failed 03</i>																																																											
	Diagnosics (J223831-visit3 (Z3)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions when observing at a given COS cenwave. See the COS Instrument Handbook for exceptions that may apply to observations with G130M/1291 or G160M. (G160M-v3 (Z3.002)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details. (G160M-v4 (Z3.003)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details. (G160M-v5 (Z3.004)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details.																																																											
Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(1)</td> <td>J223831</td> <td>RA: 22 38 31.1110 (339.6296292d) Dec: +14 00 28.29 (14.00786d) Equinox: J2000</td> <td>Redshift: 0.021</td> <td>V=18.97 GALEX FUV = 18.86, SDSS r-band = 18.91</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>										#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(1)	J223831	RA: 22 38 31.1110 (339.6296292d) Dec: +14 00 28.29 (14.00786d) Equinox: J2000	Redshift: 0.021	V=18.97 GALEX FUV = 18.86, SDSS r-band = 18.91	Reference Frame: ICRS																																						
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																																																						
(1)	J223831	RA: 22 38 31.1110 (339.6296292d) Dec: +14 00 28.29 (14.00786d) Equinox: J2000	Redshift: 0.021	V=18.97 GALEX FUV = 18.86, SDSS r-band = 18.91	Reference Frame: ICRS																																																							
<i>Comments:</i> Category=GALAXY Description=[DWARF COMPACT] Extended=YES																																																												
Exposures	<table border="1"> <thead> <tr> <th>#</th> <th>Label (ETC Run)</th> <th>Target</th> <th>Config,Mode,Aperture</th> <th>Spectral Els.</th> <th>Opt. Params.</th> <th>Special Reqs.</th> <th>Groups</th> <th>Exp. Time (Total)/[Actual Dur.]</th> <th>Orbit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>ACQ/IMG (1525555)</td> <td>(1) J223831</td> <td>COS/NUV, ACQ/IMAGE, PSA</td> <td>MIRRORA</td> <td></td> <td></td> <td></td> <td>162 Secs (162 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>2</td> <td>G160M-v3 (1523121)</td> <td>(1) J223831</td> <td>COS/FUV, TIME-TAG, PSA</td> <td>G160M 1611 A</td> <td>FP-POS=1; BUFFER-TIME=20000; SEGMENT=BOTH</td> <td></td> <td></td> <td>2500 Secs (2070 Secs) [==>2070.0 Secs]</td> <td>[1]</td> </tr> <tr> <td>3</td> <td>G160M-v4 (1523121)</td> <td>(1) J223831</td> <td>COS/FUV, TIME-TAG, PSA</td> <td>G160M 1611 A</td> <td>FP-POS=2; BUFFER-TIME=20000; SEGMENT=BOTH</td> <td></td> <td></td> <td>2500 Secs (2691 Secs) [==>2691.0 Secs]</td> <td>[2]</td> </tr> <tr> <td>4</td> <td>G160M-v5 (1523121)</td> <td>(1) J223831</td> <td>COS/FUV, TIME-TAG, PSA</td> <td>G160M 1611 A</td> <td>FP-POS=3; BUFFER-TIME=20000; SEGMENT=BOTH</td> <td></td> <td></td> <td>2500 Secs (2691 Secs) [==>2691.0 Secs]</td> <td>[3]</td> </tr> </tbody> </table>										#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	1	ACQ/IMG (1525555)	(1) J223831	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				162 Secs (162 Secs) [==>]	[1]	2	G160M-v3 (1523121)	(1) J223831	COS/FUV, TIME-TAG, PSA	G160M 1611 A	FP-POS=1; BUFFER-TIME=20000; SEGMENT=BOTH			2500 Secs (2070 Secs) [==>2070.0 Secs]	[1]	3	G160M-v4 (1523121)	(1) J223831	COS/FUV, TIME-TAG, PSA	G160M 1611 A	FP-POS=2; BUFFER-TIME=20000; SEGMENT=BOTH			2500 Secs (2691 Secs) [==>2691.0 Secs]	[2]	4	G160M-v5 (1523121)	(1) J223831	COS/FUV, TIME-TAG, PSA	G160M 1611 A	FP-POS=3; BUFFER-TIME=20000; SEGMENT=BOTH			2500 Secs (2691 Secs) [==>2691.0 Secs]	[3]
	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit																																																		
	1	ACQ/IMG (1525555)	(1) J223831	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				162 Secs (162 Secs) [==>]	[1]																																																		
	2	G160M-v3 (1523121)	(1) J223831	COS/FUV, TIME-TAG, PSA	G160M 1611 A	FP-POS=1; BUFFER-TIME=20000; SEGMENT=BOTH			2500 Secs (2070 Secs) [==>2070.0 Secs]	[1]																																																		
	3	G160M-v4 (1523121)	(1) J223831	COS/FUV, TIME-TAG, PSA	G160M 1611 A	FP-POS=2; BUFFER-TIME=20000; SEGMENT=BOTH			2500 Secs (2691 Secs) [==>2691.0 Secs]	[2]																																																		
4	G160M-v5 (1523121)	(1) J223831	COS/FUV, TIME-TAG, PSA	G160M 1611 A	FP-POS=3; BUFFER-TIME=20000; SEGMENT=BOTH			2500 Secs (2691 Secs) [==>2691.0 Secs]	[3]																																																			



Proposal 16643 - J223831-visit4 (04) - Mapping the escape of ionizing photons across the full ionizing continuum using high-resolution...

Tue Jan 24 20:00:27 GMT 2023

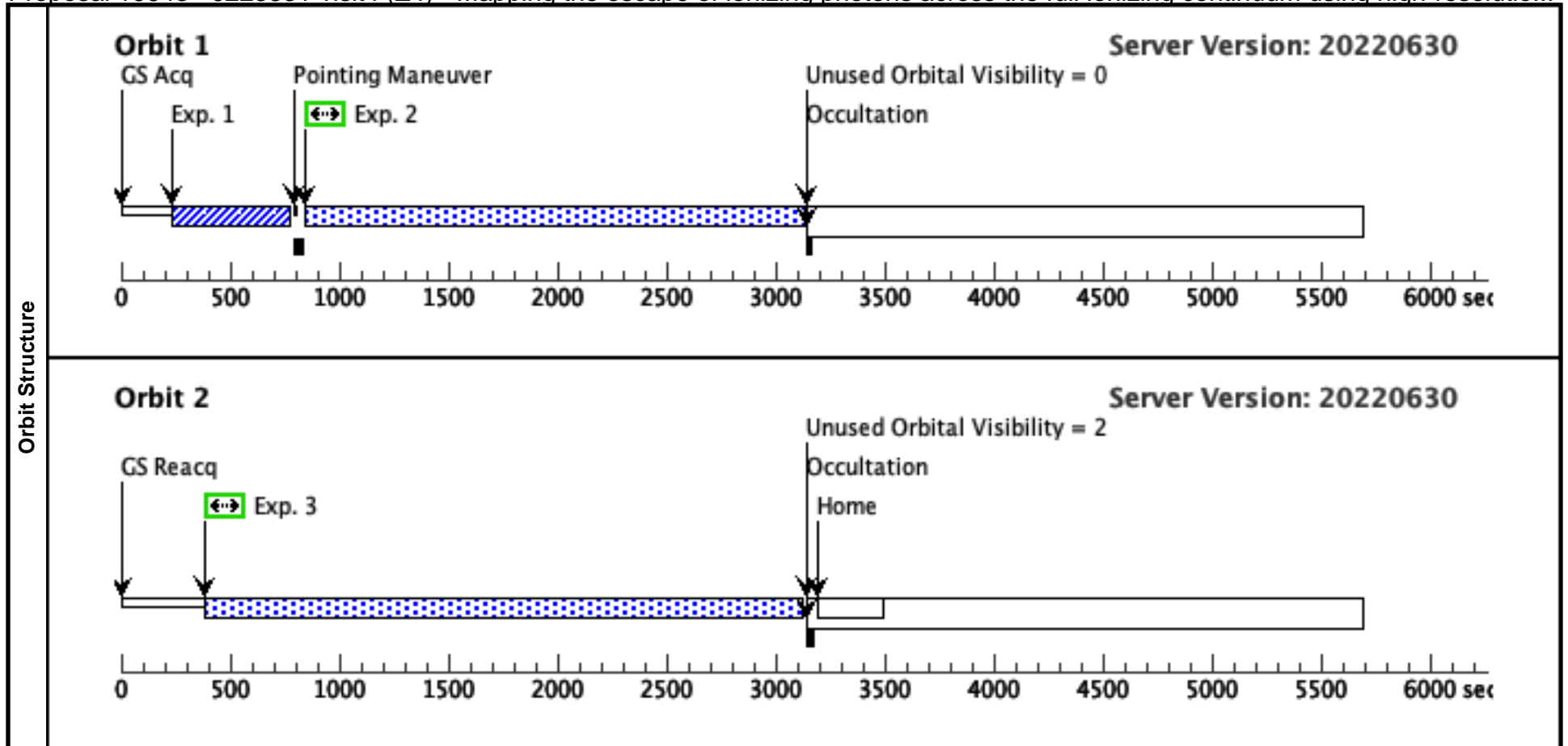
Visit	Proposal 16643, J223831-visit4 (04), failed Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: SAME ORIENT AS 01																																																
	Diagnosics (J223831-visit4 (04)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions when observing at a given COS cenwave. See the COS Instrument Handbook for exceptions that may apply to observations with G130M/1291 or G160M. (G160M-v6 (04.002)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details. (G160M-v7 (04.003)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details.																																																
Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(1)</td> <td>J223831</td> <td>RA: 22 38 31.1110 (339.6296292d) Dec: +14 00 28.29 (14.00786d) Equinox: J2000</td> <td>Redshift: 0.021</td> <td>V=18.97 GALEX FUV = 18.86, SDSS r-band = 18.91</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments:</i> Category=<i>GALAXY</i> Description=<i>[DWARF COMPACT]</i> Extended=<i>YES</i></p>										#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(1)	J223831	RA: 22 38 31.1110 (339.6296292d) Dec: +14 00 28.29 (14.00786d) Equinox: J2000	Redshift: 0.021	V=18.97 GALEX FUV = 18.86, SDSS r-band = 18.91	Reference Frame: ICRS																											
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																																											
(1)	J223831	RA: 22 38 31.1110 (339.6296292d) Dec: +14 00 28.29 (14.00786d) Equinox: J2000	Redshift: 0.021	V=18.97 GALEX FUV = 18.86, SDSS r-band = 18.91	Reference Frame: ICRS																																												
<table border="1"> <thead> <tr> <th>#</th> <th>Label (ETC Run)</th> <th>Target</th> <th>Config,Mode,Aperture</th> <th>Spectral Els.</th> <th>Opt. Params.</th> <th>Special Reqs.</th> <th>Groups</th> <th>Exp. Time (Total)/[Actual Dur.]</th> <th>Orbit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>ACQ/IMG (1525555)</td> <td>(1) J223831</td> <td>COS/NUV, ACQ/IMAGE, PSA</td> <td>MIRRORA</td> <td></td> <td></td> <td></td> <td>162 Secs (162 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>2</td> <td>G160M-v6 (1523121)</td> <td>(1) J223831</td> <td>COS/FUV, TIME-TAG, PSA</td> <td>G160M 1611 A</td> <td>FP-POS=1; BUFFER-TIME=20000; SEGMENT=BOTH</td> <td></td> <td></td> <td>2500 Secs (2070 Secs) [==>2070.0 Secs]</td> <td>[1]</td> </tr> <tr> <td>3</td> <td>G160M-v7 (1523121)</td> <td>(1) J223831</td> <td>COS/FUV, TIME-TAG, PSA</td> <td>G160M 1611 A</td> <td>FP-POS=2; BUFFER-TIME=20000; SEGMENT=BOTH</td> <td></td> <td></td> <td>2500 Secs (2691 Secs) [==>2691.0 Secs]</td> <td>[2]</td> </tr> </tbody> </table>										#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	1	ACQ/IMG (1525555)	(1) J223831	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				162 Secs (162 Secs) [==>]	[1]	2	G160M-v6 (1523121)	(1) J223831	COS/FUV, TIME-TAG, PSA	G160M 1611 A	FP-POS=1; BUFFER-TIME=20000; SEGMENT=BOTH			2500 Secs (2070 Secs) [==>2070.0 Secs]	[1]	3	G160M-v7 (1523121)	(1) J223831	COS/FUV, TIME-TAG, PSA	G160M 1611 A	FP-POS=2; BUFFER-TIME=20000; SEGMENT=BOTH			2500 Secs (2691 Secs) [==>2691.0 Secs]	[2]
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit																																								
1	ACQ/IMG (1525555)	(1) J223831	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				162 Secs (162 Secs) [==>]	[1]																																								
2	G160M-v6 (1523121)	(1) J223831	COS/FUV, TIME-TAG, PSA	G160M 1611 A	FP-POS=1; BUFFER-TIME=20000; SEGMENT=BOTH			2500 Secs (2070 Secs) [==>2070.0 Secs]	[1]																																								
3	G160M-v7 (1523121)	(1) J223831	COS/FUV, TIME-TAG, PSA	G160M 1611 A	FP-POS=2; BUFFER-TIME=20000; SEGMENT=BOTH			2500 Secs (2691 Secs) [==>2691.0 Secs]	[2]																																								



Proposal 16643 - J223831-visit4 (Z4) - Mapping the escape of ionizing photons across the full ionizing continuum using high-resolutio...

Tue Jan 24 20:00:27 GMT 2023

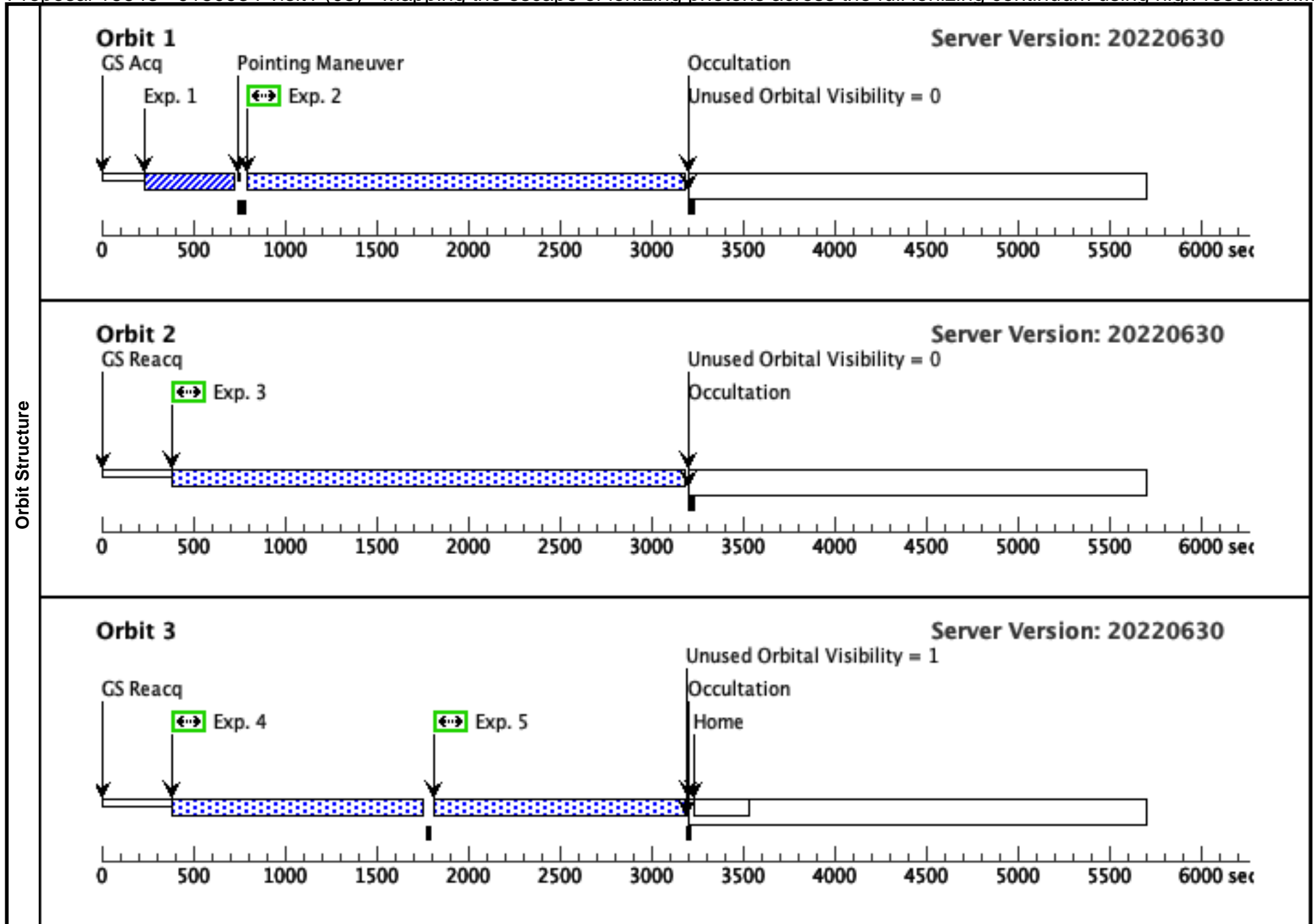
Visit	Proposal 16643, J223831-visit4 (Z4) Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: SAME ORIENT AS 01 <i>Comments: HOPR for failed 04</i>																																																	
	Diagnosics (J223831-visit4 (Z4)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions when observing at a given COS cenwave. See the COS Instrument Handbook for exceptions that may apply to observations with G130M/1291 or G160M. (G160M-v6 (Z4.002)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details. (G160M-v7 (Z4.003)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details.																																																	
Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(1)</td> <td>J223831</td> <td>RA: 22 38 31.1110 (339.6296292d) Dec: +14 00 28.29 (14.00786d) Equinox: J2000</td> <td>Redshift: 0.021</td> <td>V=18.97 GALEX FUV = 18.86, SDSS r-band = 18.91</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>										#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(1)	J223831	RA: 22 38 31.1110 (339.6296292d) Dec: +14 00 28.29 (14.00786d) Equinox: J2000	Redshift: 0.021	V=18.97 GALEX FUV = 18.86, SDSS r-band = 18.91	Reference Frame: ICRS																												
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																																												
(1)	J223831	RA: 22 38 31.1110 (339.6296292d) Dec: +14 00 28.29 (14.00786d) Equinox: J2000	Redshift: 0.021	V=18.97 GALEX FUV = 18.86, SDSS r-band = 18.91	Reference Frame: ICRS																																													
<i>Comments:</i> Category=GALAXY Description=[DWARF COMPACT] Extended=YES																																																		
Exposures	<table border="1"> <thead> <tr> <th>#</th> <th>Label (ETC Run)</th> <th>Target</th> <th>Config,Mode,Aperture</th> <th>Spectral Els.</th> <th>Opt. Params.</th> <th>Special Reqs.</th> <th>Groups</th> <th>Exp. Time (Total)/[Actual Dur.]</th> <th>Orbit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>ACQ/IMG (1525555)</td> <td>(1) J223831</td> <td>COS/NUV, ACQ/IMAGE, PSA</td> <td>MIRRORA</td> <td></td> <td></td> <td></td> <td>162 Secs (162 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>2</td> <td>G160M-v6 (1523121)</td> <td>(1) J223831</td> <td>COS/FUV, TIME-TAG, PSA</td> <td>G160M 1611 A</td> <td>FP-POS=1; BUFFER-TIME=20000; SEGMENT=BOTH</td> <td></td> <td></td> <td>2500 Secs (2070 Secs) [==>2070.0 Secs]</td> <td>[1]</td> </tr> <tr> <td>3</td> <td>G160M-v7 (1523121)</td> <td>(1) J223831</td> <td>COS/FUV, TIME-TAG, PSA</td> <td>G160M 1611 A</td> <td>FP-POS=2; BUFFER-TIME=20000; SEGMENT=BOTH</td> <td></td> <td></td> <td>2500 Secs (2691 Secs) [==>2691.0 Secs]</td> <td>[2]</td> </tr> </tbody> </table>										#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	1	ACQ/IMG (1525555)	(1) J223831	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				162 Secs (162 Secs) [==>]	[1]	2	G160M-v6 (1523121)	(1) J223831	COS/FUV, TIME-TAG, PSA	G160M 1611 A	FP-POS=1; BUFFER-TIME=20000; SEGMENT=BOTH			2500 Secs (2070 Secs) [==>2070.0 Secs]	[1]	3	G160M-v7 (1523121)	(1) J223831	COS/FUV, TIME-TAG, PSA	G160M 1611 A	FP-POS=2; BUFFER-TIME=20000; SEGMENT=BOTH			2500 Secs (2691 Secs) [==>2691.0 Secs]	[2]
	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit																																								
	1	ACQ/IMG (1525555)	(1) J223831	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				162 Secs (162 Secs) [==>]	[1]																																								
	2	G160M-v6 (1523121)	(1) J223831	COS/FUV, TIME-TAG, PSA	G160M 1611 A	FP-POS=1; BUFFER-TIME=20000; SEGMENT=BOTH			2500 Secs (2070 Secs) [==>2070.0 Secs]	[1]																																								
3	G160M-v7 (1523121)	(1) J223831	COS/FUV, TIME-TAG, PSA	G160M 1611 A	FP-POS=2; BUFFER-TIME=20000; SEGMENT=BOTH			2500 Secs (2691 Secs) [==>2691.0 Secs]	[2]																																									



Visit	<p>Proposal 16643, J150934-visit1 (05), completed</p> <p>Diagnostic Status: Error</p> <p>Scientific Instruments: COS/FUV, COS/NUV</p> <p>Special Requirements: ORIENT 200D TO 210 D</p>
	Diagnostics

Proposal 16643 - J150934-visit1 (05) - Mapping the escape of ionizing photons across the full ionizing continuum using high-resolution...

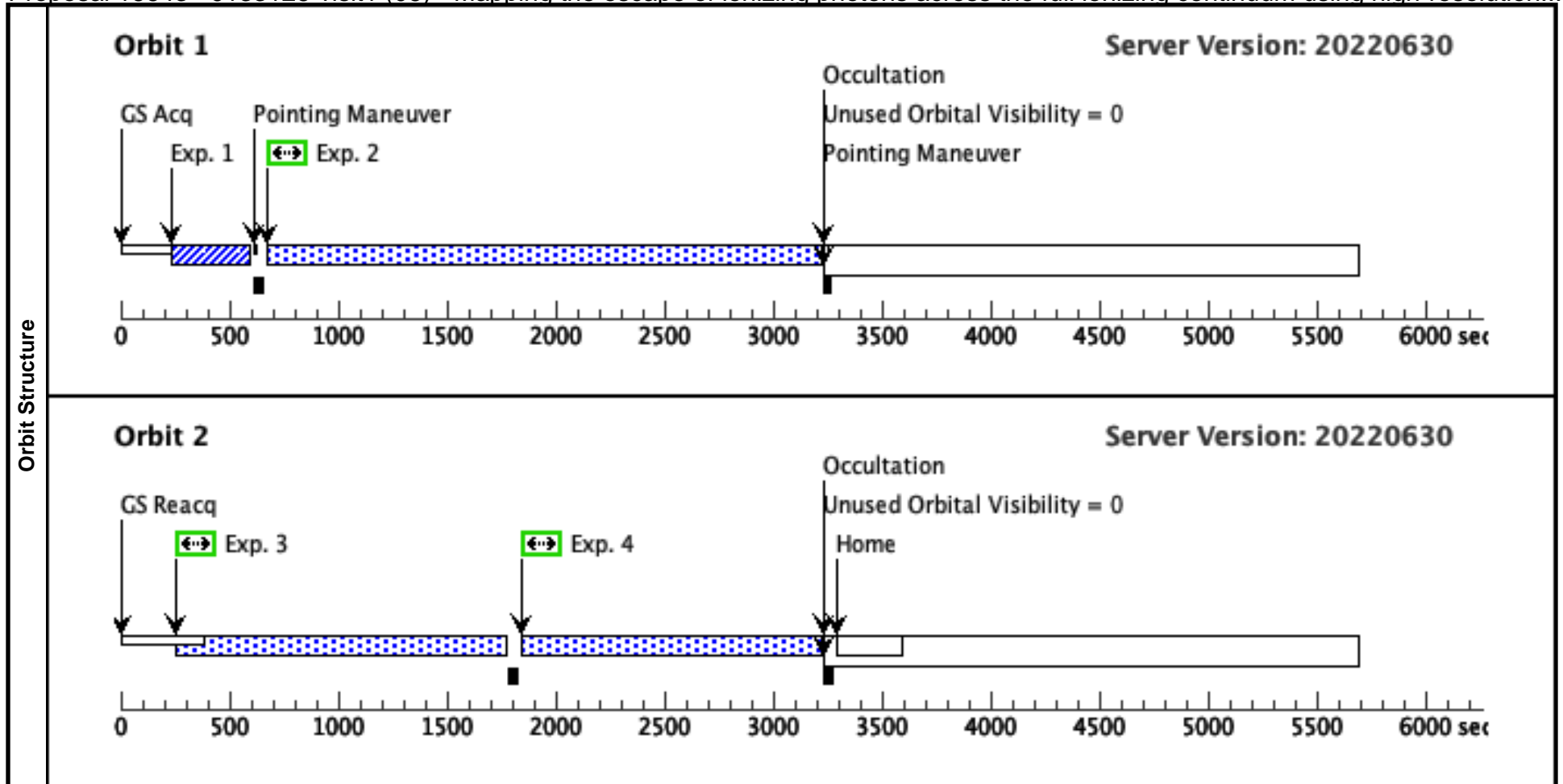
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
		(2)	J150934	RA: 15 09 34.1700 (227.3923750d) Dec: +37 31 46.11 (37.52947d) Equinox: J2000	Redshift: 0.033	V=18.12 GALEX FUV = 18.68, SDSS r-band = 18.09	Reference Frame: ICRS			
	<i>Comments:</i> Category=GALAXY Description=[DWARF COMPACT] Extended=YES									
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ-IMG (1525557)	(2) J150934	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				137 Secs (137 Secs) [==>]	[1]
	2	G160M-1 (1523140)	(2) J150934	COS/FUV, TIME-TAG, PSA	G160M 1533 A	BUFFER-TIME=14 800; FLASH=YES; FP-POS=1; SEGMENT=BOTH			2500 Secs (2168 Secs) [==>2168.0 Secs]	[1]
	3	G160M-2 (1523140)	(2) J150934	COS/FUV, TIME-TAG, PSA	G160M 1533 A	BUFFER-TIME=14 800; FLASH=YES; FP-POS=2; SEGMENT=BOTH			2500 Secs (2744 Secs) [==>2744.0 Secs]	[2]
	4	G160M-3 (1523140)	(2) J150934	COS/FUV, TIME-TAG, PSA	G160M 1533 A	BUFFER-TIME=14 800; FLASH=YES; FP-POS=3; SEGMENT=BOTH			2500 Secs (1319 Secs) [==>1319.0 Secs]	[3]
	5	G160M-3.5 (1523140)	(2) J150934	COS/FUV, TIME-TAG, PSA	G160M 1533 A	BUFFER-TIME=14 800; FLASH=YES; FP-POS=4; SEGMENT=BOTH			2500 Secs (1319 Secs) [==>1319.0 Secs]	[3]



Proposal 16643 - J133126-visit1 (06) - Mapping the escape of ionizing photons across the full ionizing continuum using high-resolution...

Tue Jan 24 20:00:28 GMT 2023

Visit	Proposal 16643, J133126-visit1 (06), completed Diagnostic Status: Error Scientific Instruments: COS/FUV, COS/NUV Special Requirements: (none)									
	(G160M-1 (06.002)) Error (Form): Illegal selection: G160M. (G160M-1 (06.002)) Error (Form): Illegal selection: PSA. (G160M-1 (06.002)) Error (Form): This attribute cannot have this value due to other choices: Aperture=PSA. FLASH=NO is the only permitted value for G160M PSA exposures (implied LIFETIME-POS LP6). (G160M-1 (06.002)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASH=YES. FLASH=NO is the only permitted value for G160M PSA exposures (implied LIFETIME-POS LP6). (G160M-1 (06.002)) Error (Form): This attribute cannot have this value due to other choices: Spectral_Element=G160M. FLASH=NO is the only permitted value for G160M PSA exposures (implied LIFETIME-POS LP6). (G160M-1 (06.002)) Error (Form): YES is not a valid selection (G160M-1 (06.002)) Error (Form): YES is not a valid selection (J133126-visit1 (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. See the COS Instrument Handbook for exceptions that may apply to observations with G130M/1291 or G160M. (G160M-1 (06.002)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details. (G130M-1 (06.003)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details. (G130M-1.5 (06.004)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details.									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	J133126	RA: 13 31 26.8799 (202.8619996d) Dec: +41 51 48.24 (41.86340d) Equinox: J2000		V=17.29 GALEX FUV = 18.04, SDSS r-band = 17.18	Reference Frame: ICRS				
Comments: Category=GALAXY Description=[DWARF COMPACT, STARBURST] Extended=YES										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ-IMG (1525559)	(3) J133126	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				75 Secs (75 Secs) [==>]	[1]
	2	G160M-1 (1523142)	(3) J133126	COS/FUV, TIME-TAG, PSA	G160M 1533 A	BUFFER-TIME=13 938; FLASH=YES; FP-POS=2; SEGMENT=BOTH			2500 Secs (2330 Secs) [==>2330.0 Secs]	[1]
	3	G130M-1 (1523163)	(3) J133126	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=47 60; FLASH=YES; FP-POS=3; SEGMENT=BOTH			2500 Secs (1328 Secs) [==>1328.0 Secs]	[2]
	4	G130M-1.5 (1523163)	(3) J133126	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=47 60; FLASH=YES; FP-POS=4; SEGMENT=BOTH			2500 Secs (1328 Secs) [==>1328.0 Secs]	[2]



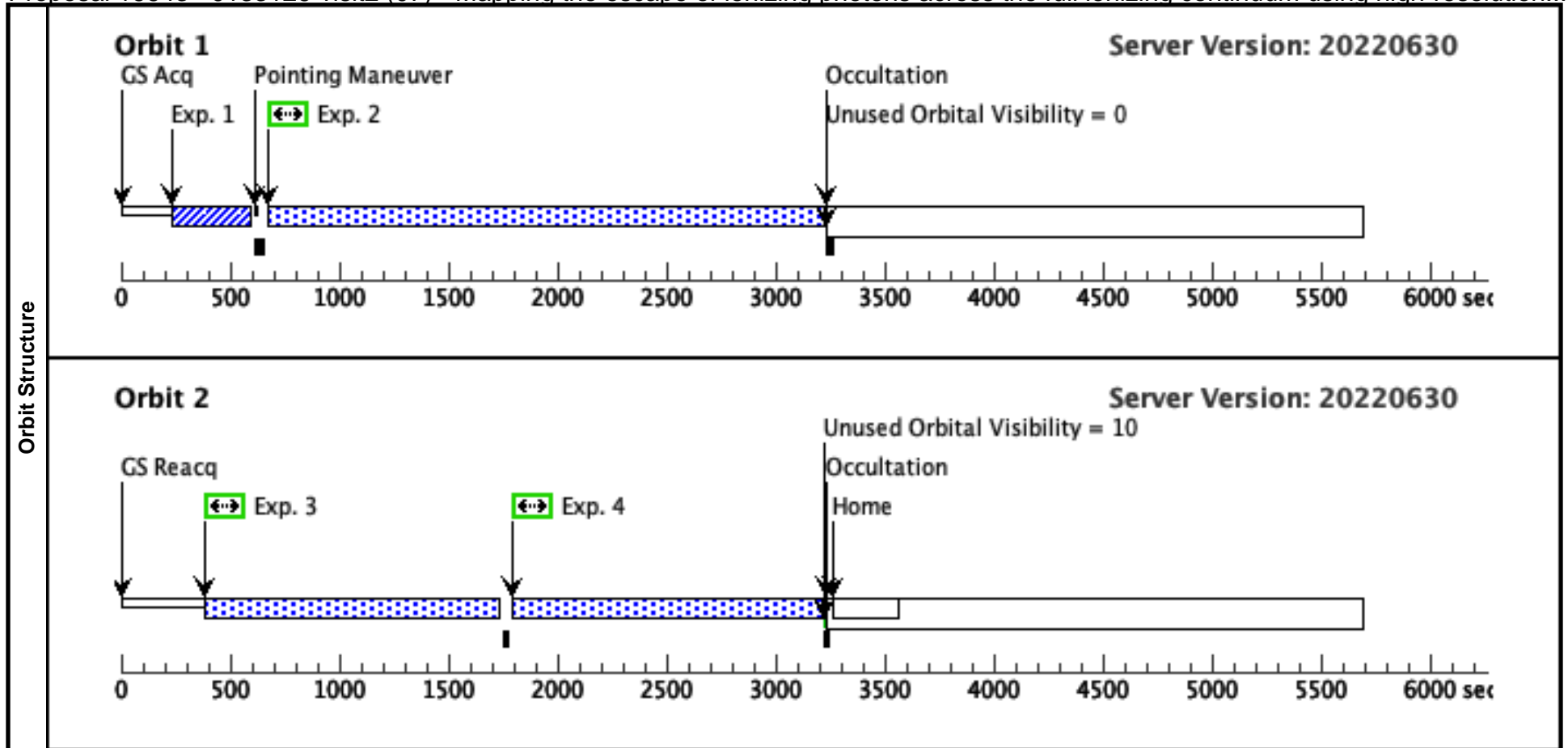
Proposal 16643 - J133126-visit2 (07) - Mapping the escape of ionizing photons across the full ionizing continuum using high-resolution...

Tue Jan 24 20:00:28 GMT 2023

Visit	<p>Proposal 16643, J133126-visit2 (07), completed</p> <p>Diagnostic Status: Error</p> <p>Scientific Instruments: COS/FUV, COS/NUV</p> <p>Special Requirements: SAME ORIENT AS 06</p>																
	<p>(G160M-2 (07.002)) Error (Form): Illegal selection: G160M. (G160M-2 (07.002)) Error (Form): Illegal selection: PSA. (G160M-2 (07.002)) Error (Form): This attribute cannot have this value due to other choices: Aperture=PSA. FLASH=NO is the only permitted value for G160M PSA exposures (implied LIFETIME-POS LP6). (G160M-2 (07.002)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASH=YES. FLASH=NO is the only permitted value for G160M PSA exposures (implied LIFETIME-POS LP6). (G160M-2 (07.002)) Error (Form): This attribute cannot have this value due to other choices: Spectral_Element=G160M. FLASH=NO is the only permitted value for G160M PSA exposures (implied LIFETIME-POS LP6). (G160M-2 (07.002)) Error (Form): YES is not a valid selection (G160M-2 (07.002)) Error (Form): YES is not a valid selection (G160M-3 (07.003)) Error (Form): Illegal selection: G160M. (G160M-3 (07.003)) Error (Form): Illegal selection: PSA. (G160M-3 (07.003)) Error (Form): This attribute cannot have this value due to other choices: Aperture=PSA. FLASH=NO is the only permitted value for G160M PSA exposures (implied LIFETIME-POS LP6). (G160M-3 (07.003)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASH=YES. FLASH=NO is the only permitted value for G160M PSA exposures (implied LIFETIME-POS LP6). (G160M-3 (07.003)) Error (Form): This attribute cannot have this value due to other choices: Spectral_Element=G160M. FLASH=NO is the only permitted value for G160M PSA exposures (implied LIFETIME-POS LP6). (G160M-3 (07.003)) Error (Form): YES is not a valid selection (G160M-3 (07.003)) Error (Form): YES is not a valid selection (G160M-3.5 (07.004)) Error (Form): Illegal selection: G160M. (G160M-3.5 (07.004)) Error (Form): Illegal selection: PSA. (G160M-3.5 (07.004)) Error (Form): This attribute cannot have this value due to other choices: Aperture=PSA. FLASH=NO is the only permitted value for G160M PSA exposures (implied LIFETIME-POS LP6). (G160M-3.5 (07.004)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASH=YES. FLASH=NO is the only permitted value for G160M PSA exposures (implied LIFETIME-POS LP6). (G160M-3.5 (07.004)) Error (Form): This attribute cannot have this value due to other choices: Spectral_Element=G160M. FLASH=NO is the only permitted value for G160M PSA exposures (implied LIFETIME-POS LP6). (G160M-3.5 (07.004)) Error (Form): YES is not a valid selection (G160M-3.5 (07.004)) Error (Form): YES is not a valid selection (J133126-visit2 (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. See the COS Instrument Handbook for exceptions that may apply to observations with G130M/1291 or G160M. (J133126-visit2 (07)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS (G160M-2 (07.002)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details. (G160M-3 (07.003)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details. (G160M-3.5 (07.004)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details.</p>																
Diagnostics																	
Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(3)</td> <td>J133126</td> <td>RA: 13 31 26.8799 (202.8619996d) Dec: +41 51 48.24 (41.86340d) Equinox: J2000</td> <td></td> <td>V=17.29 GALEX FUV = 18.04, SDSS r-band = 17.18</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments:</i> Category=GALAXY Description=[DWARF COMPACT, STARBURST] Extended=YES</p>					#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(3)	J133126	RA: 13 31 26.8799 (202.8619996d) Dec: +41 51 48.24 (41.86340d) Equinox: J2000		V=17.29 GALEX FUV = 18.04, SDSS r-band = 17.18	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous											
(3)	J133126	RA: 13 31 26.8799 (202.8619996d) Dec: +41 51 48.24 (41.86340d) Equinox: J2000		V=17.29 GALEX FUV = 18.04, SDSS r-band = 17.18	Reference Frame: ICRS												

Proposal 16643 - J133126-visit2 (07) - Mapping the escape of ionizing photons across the full ionizing continuum using high-resolution...

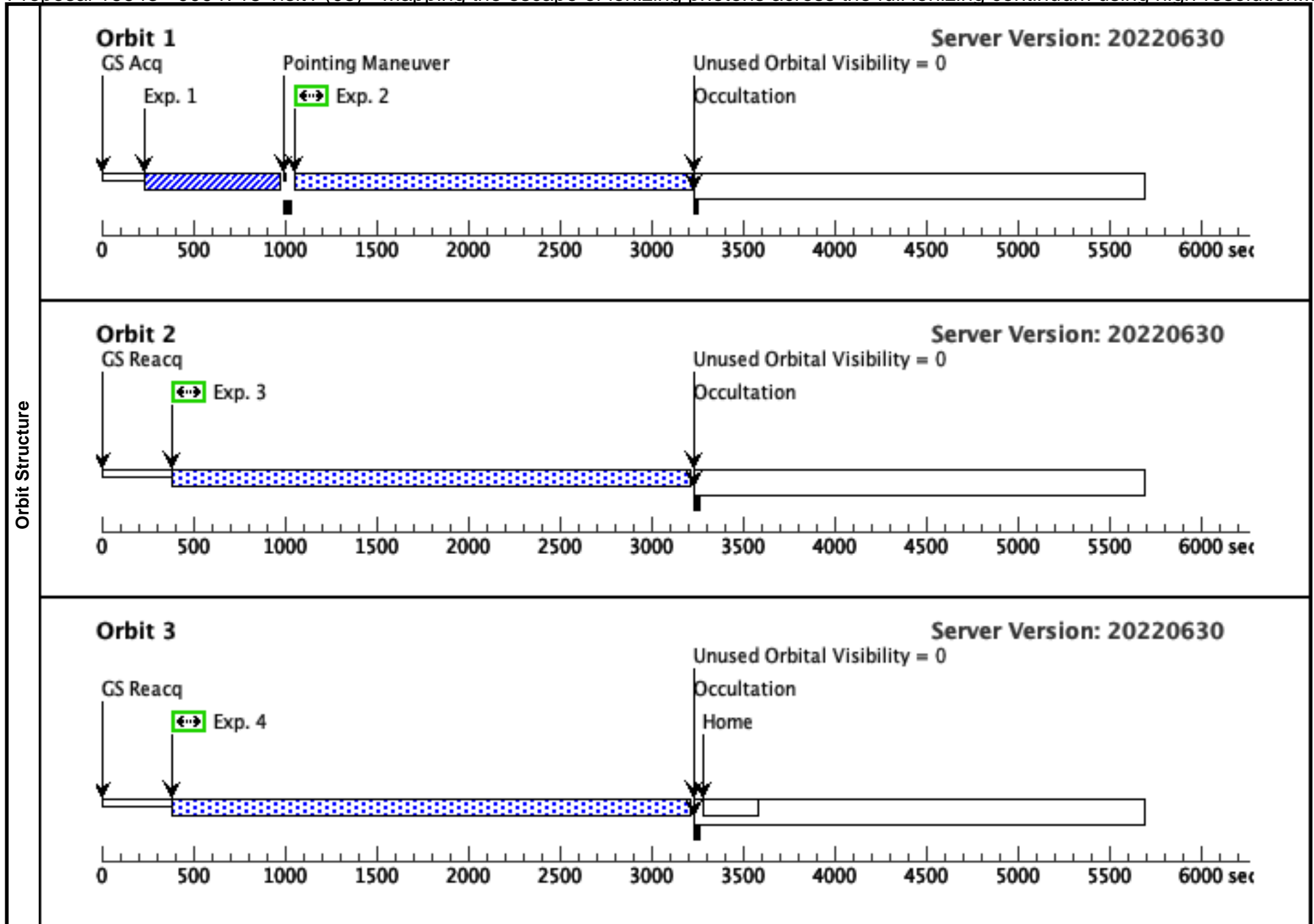
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	ACQ-IMG (1525559)	(3) J133126	COS/NUV, ACQ/IMAGE, PSA	MIRRORA					75 Secs (75 Secs)	
										[==>]	[1]
	2	G160M-2 (1523142)	(3) J133126	COS/FUV, TIME-TAG, PSA	G160M 1533 A	BUFFER-TIME=13 938; FLASH=YES; FP-POS=3; SEGMENT=BOTH				2500 Secs (2330 Secs)	
										[==>2330.0 Secs]	[1]
3	G160M-3 (1523142)	(3) J133126	COS/FUV, TIME-TAG, PSA	G160M 1533 A	BUFFER-TIME=13 938; FLASH=YES; FP-POS=4; SEGMENT=BOTH				2500 Secs (1300 Secs)		
									[==>1300.0 Secs]	[2]	
4	G160M-3.5 (1523142)	(3) J133126	COS/FUV, TIME-TAG, PSA	G160M 1533 A	BUFFER-TIME=13 938; FLASH=YES; FP-POS=1; SEGMENT=BOTH				2500 Secs (1300 Secs)		
									[==>1300.0 Secs]	[2]	



Visit	<p>Proposal 16643, J094718-visit1 (08), failed</p> <p>Diagnostic Status: Error</p> <p>Scientific Instruments: COS/FUV, COS/NUV</p> <p>Special Requirements: (none)</p>																	
	<p>(G160M-1 (08.002)) Error (Form): Illegal selection: G160M.</p> <p>(G160M-1 (08.002)) Error (Form): Illegal selection: PSA.</p> <p>(G160M-1 (08.002)) Error (Form): This attribute cannot have this value due to other choices: Aperture=PSA. FLASH=NO is the only permitted value for G160M PSA exposures (implied LIFETIME-POS LP6).</p> <p>(G160M-1 (08.002)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASH=YES. FLASH=NO is the only permitted value for G160M PSA exposures (implied LIFETIME-POS LP6).</p> <p>(G160M-1 (08.002)) Error (Form): This attribute cannot have this value due to other choices: Spectral_Element=G160M. FLASH=NO is the only permitted value for G160M PSA exposures (implied LIFETIME-POS LP6).</p> <p>(G160M-1 (08.002)) Error (Form): YES is not a valid selection</p> <p>(G160M-1 (08.002)) Error (Form): YES is not a valid selection</p> <p>(G160M-2 (08.003)) Error (Form): Illegal selection: G160M.</p> <p>(G160M-2 (08.003)) Error (Form): Illegal selection: PSA.</p> <p>(G160M-2 (08.003)) Error (Form): This attribute cannot have this value due to other choices: Aperture=PSA. FLASH=NO is the only permitted value for G160M PSA exposures (implied LIFETIME-POS LP6).</p> <p>(G160M-2 (08.003)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASH=YES. FLASH=NO is the only permitted value for G160M PSA exposures (implied LIFETIME-POS LP6).</p> <p>(G160M-2 (08.003)) Error (Form): This attribute cannot have this value due to other choices: Spectral_Element=G160M. FLASH=NO is the only permitted value for G160M PSA exposures (implied LIFETIME-POS LP6).</p> <p>(G160M-2 (08.003)) Error (Form): YES is not a valid selection</p> <p>(G160M-2 (08.003)) Error (Form): YES is not a valid selection</p> <p>(G160M-3 (08.004)) Error (Form): Illegal selection: G160M.</p> <p>(G160M-3 (08.004)) Error (Form): Illegal selection: PSA.</p> <p>(G160M-3 (08.004)) Error (Form): This attribute cannot have this value due to other choices: Aperture=PSA. FLASH=NO is the only permitted value for G160M PSA exposures (implied LIFETIME-POS LP6).</p> <p>(G160M-3 (08.004)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASH=YES. FLASH=NO is the only permitted value for G160M PSA exposures (implied LIFETIME-POS LP6).</p> <p>(G160M-3 (08.004)) Error (Form): This attribute cannot have this value due to other choices: Spectral_Element=G160M. FLASH=NO is the only permitted value for G160M PSA exposures (implied LIFETIME-POS LP6).</p> <p>(G160M-3 (08.004)) Error (Form): YES is not a valid selection</p> <p>(G160M-3 (08.004)) Error (Form): YES is not a valid selection</p> <p>(J094718-visit1 (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. See the COS Instrument Handbook for exceptions that may apply to observations with G130M/1291 or G160M.</p> <p>(G160M-1 (08.002)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details.</p> <p>(G160M-2 (08.003)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details.</p> <p>(G160M-3 (08.004)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details.</p>																	
Fixed Targets	<table border="1"> <thead> <tr> <th data-bbox="136 1230 241 1258">#</th> <th data-bbox="241 1230 472 1258">Name</th> <th data-bbox="472 1230 892 1258">Target Coordinates</th> <th data-bbox="892 1230 1228 1258">Targ. Coord. Corrections</th> <th data-bbox="1228 1230 1543 1258">Fluxes</th> <th data-bbox="1543 1230 2001 1258">Miscellaneous</th> </tr> </thead> <tbody> <tr> <td data-bbox="136 1258 241 1450">(4)</td> <td data-bbox="241 1258 472 1450">J094718</td> <td data-bbox="472 1258 892 1450">RA: 09 47 18.2410 (146.8260042d) Dec: +41 38 16.44 (41.63790d) Equinox: J2000</td> <td data-bbox="892 1258 1228 1450">Redshift: 0.005</td> <td data-bbox="1228 1258 1543 1450">V=17.57 GALEX FUV = 19.37, SDSS r-band = 17.38</td> <td data-bbox="1543 1258 2001 1450">Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments:</i> <i>Category=</i>GALAXY <i>Description=[</i>DWARF COMPACT] <i>Extended=</i>YES</p>						#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(4)	J094718	RA: 09 47 18.2410 (146.8260042d) Dec: +41 38 16.44 (41.63790d) Equinox: J2000	Redshift: 0.005	V=17.57 GALEX FUV = 19.37, SDSS r-band = 17.38	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous												
(4)	J094718	RA: 09 47 18.2410 (146.8260042d) Dec: +41 38 16.44 (41.63790d) Equinox: J2000	Redshift: 0.005	V=17.57 GALEX FUV = 19.37, SDSS r-band = 17.38	Reference Frame: ICRS													

Proposal 16643 - J094718-visit1 (08) - Mapping the escape of ionizing photons across the full ionizing continuum using high-resolution...

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	ACQ-IMG (1525560)	(4) J094718	COS/NUV, ACQ/IMAGE, PSA	MIRRORA					264 Secs (264 Secs)	
										[==>]	[1]
	2	G160M-1 (1523474)	(4) J094718	COS/FUV, TIME-TAG, PSA	G160M 1533 A	BUFFER-TIME=19 641; FLASH=YES; FP-POS=1; SEGMENT=BOTH				2500 Secs (1952 Secs)	
										[==>1952.0 Secs]	[1]
3	G160M-2 (1523474)	(4) J094718	COS/FUV, TIME-TAG, PSA	G160M 1533 A	BUFFER-TIME=19 641; FLASH=YES; FP-POS=2; SEGMENT=BOTH				2500 Secs (2782 Secs)		
									[==>2782.0 Secs]	[2]	
4	G160M-3 (1523474)	(4) J094718	COS/FUV, TIME-TAG, PSA	G160M 1533 A	BUFFER-TIME=19 641; FLASH=YES; FP-POS=3; SEGMENT=BOTH				2500 Secs (2782 Secs)		
									[==>2782.0 Secs]	[3]	



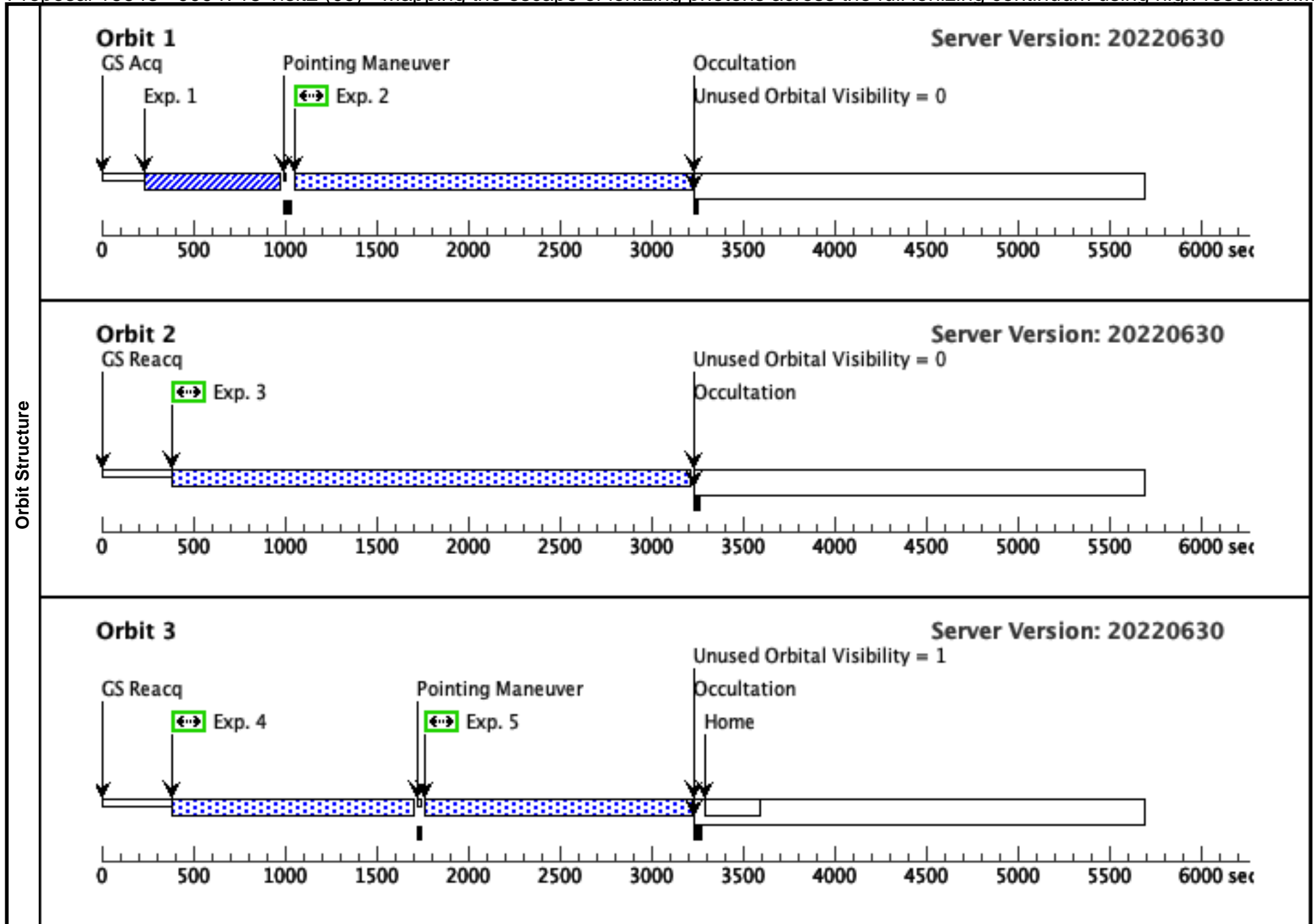
Proposal 16643 - J094718-visit2 (09) - Mapping the escape of ionizing photons across the full ionizing continuum using high-resolution...

Tue Jan 24 20:00:28 GMT 2023

Visit	<p>Proposal 16643, J094718-visit2 (09), completed</p> <p>Diagnostic Status: Error</p> <p>Scientific Instruments: COS/FUV, COS/NUV</p> <p>Special Requirements: SAME ORIENT AS 08</p>																	
	<p>(G160M-4 (09.002)) Error (Form): Illegal selection: G160M. (G160M-4 (09.002)) Error (Form): Illegal selection: PSA. (G160M-4 (09.002)) Error (Form): This attribute cannot have this value due to other choices: Aperture=PSA. FLASH=NO is the only permitted value for G160M PSA exposures (implied LIFETIME-POS LP6). (G160M-4 (09.002)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASH=YES. FLASH=NO is the only permitted value for G160M PSA exposures (implied LIFETIME-POS LP6). (G160M-4 (09.002)) Error (Form): This attribute cannot have this value due to other choices: Spectral_Element=G160M. FLASH=NO is the only permitted value for G160M PSA exposures (implied LIFETIME-POS LP6). (G160M-4 (09.002)) Error (Form): YES is not a valid selection (G160M-4 (09.002)) Error (Form): YES is not a valid selection (G160M-5 (09.003)) Error (Form): Illegal selection: G160M. (G160M-5 (09.003)) Error (Form): Illegal selection: PSA. (G160M-5 (09.003)) Error (Form): This attribute cannot have this value due to other choices: Aperture=PSA. FLASH=NO is the only permitted value for G160M PSA exposures (implied LIFETIME-POS LP6). (G160M-5 (09.003)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASH=YES. FLASH=NO is the only permitted value for G160M PSA exposures (implied LIFETIME-POS LP6). (G160M-5 (09.003)) Error (Form): This attribute cannot have this value due to other choices: Spectral_Element=G160M. FLASH=NO is the only permitted value for G160M PSA exposures (implied LIFETIME-POS LP6). (G160M-5 (09.003)) Error (Form): YES is not a valid selection (G160M-5 (09.003)) Error (Form): YES is not a valid selection (G160M-5.5 (09.004)) Error (Form): Illegal selection: G160M. (G160M-5.5 (09.004)) Error (Form): Illegal selection: PSA. (G160M-5.5 (09.004)) Error (Form): This attribute cannot have this value due to other choices: Aperture=PSA. FLASH=NO is the only permitted value for G160M PSA exposures (implied LIFETIME-POS LP6). (G160M-5.5 (09.004)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASH=YES. FLASH=NO is the only permitted value for G160M PSA exposures (implied LIFETIME-POS LP6). (G160M-5.5 (09.004)) Error (Form): This attribute cannot have this value due to other choices: Spectral_Element=G160M. FLASH=NO is the only permitted value for G160M PSA exposures (implied LIFETIME-POS LP6). (G160M-5.5 (09.004)) Error (Form): YES is not a valid selection (G160M-5.5 (09.004)) Error (Form): YES is not a valid selection (J094718-visit2 (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. See the COS Instrument Handbook for exceptions that may apply to observations with G130M/1291 or G160M. (G160M-4 (09.002)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details. (G160M-5 (09.003)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details. (G160M-5.5 (09.004)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details. (G130M-0.5 (09.005)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details.</p>																	
Diagnosics																		
Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(4)</td> <td>J094718</td> <td>RA: 09 47 18.2410 (146.8260042d) Dec: +41 38 16.44 (41.63790d) Equinox: J2000</td> <td>Redshift: 0.005</td> <td>V=17.57 GALEX FUV = 19.37, SDSS r-band = 17.38</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>						#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(4)	J094718	RA: 09 47 18.2410 (146.8260042d) Dec: +41 38 16.44 (41.63790d) Equinox: J2000	Redshift: 0.005	V=17.57 GALEX FUV = 19.37, SDSS r-band = 17.38	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous												
(4)	J094718	RA: 09 47 18.2410 (146.8260042d) Dec: +41 38 16.44 (41.63790d) Equinox: J2000	Redshift: 0.005	V=17.57 GALEX FUV = 19.37, SDSS r-band = 17.38	Reference Frame: ICRS													
<p><i>Comments:</i> Category=GALAXY Description=[DWARF COMPACT] Extended=YES</p>																		

Proposal 16643 - J094718-visit2 (09) - Mapping the escape of ionizing photons across the full ionizing continuum using high-resolution...

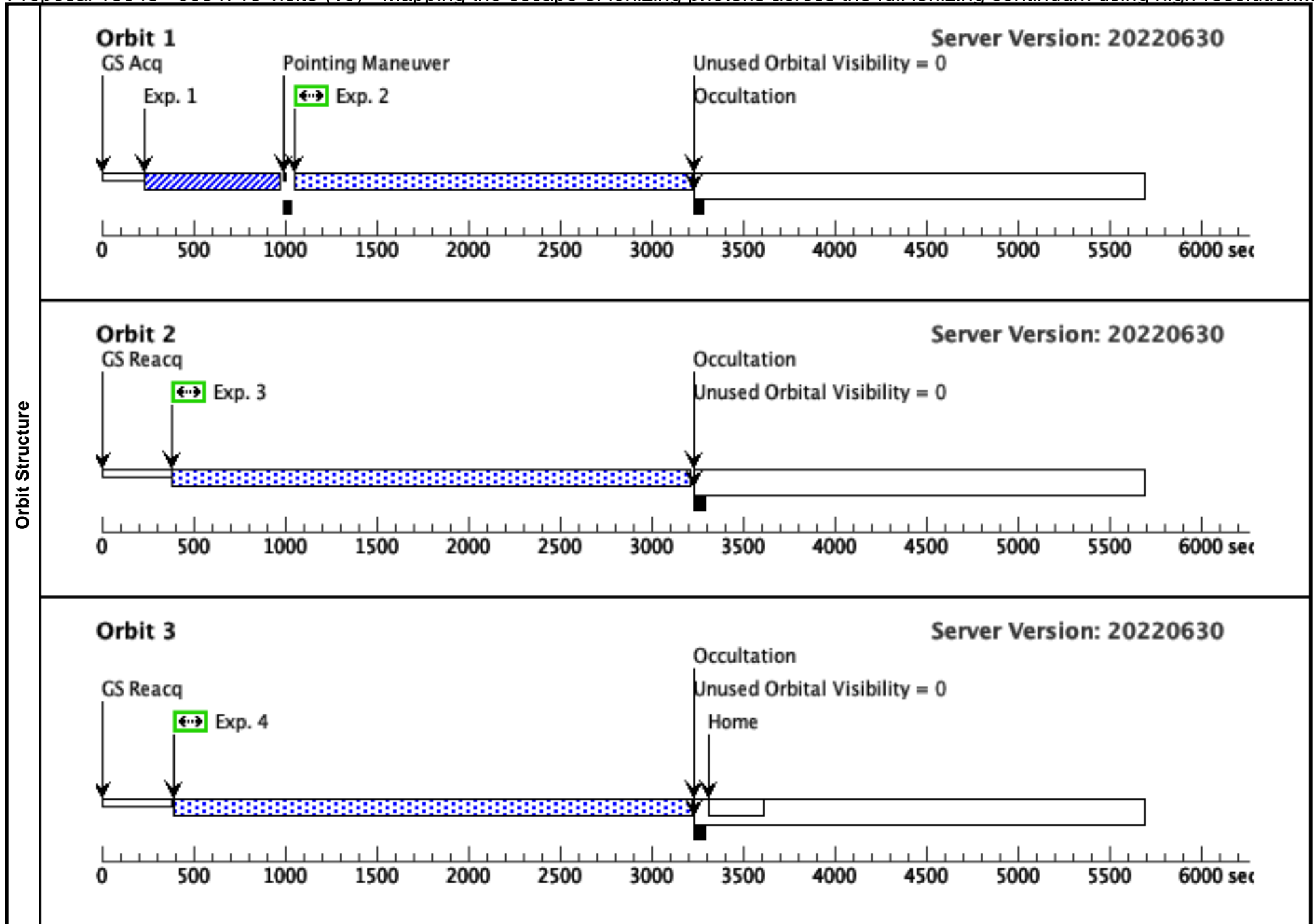
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	ACQ-IMG (1525560)	(4) J094718	COS/NUV, ACQ/IMAGE, PSA	MIRRORA					264 Secs (264 Secs)	
										[==>]	[1]
	2	G160M-4 (1523474)	(4) J094718	COS/FUV, TIME-TAG, PSA	G160M 1533 A	BUFFER-TIME=19 641; FLASH=YES; FP-POS=2; SEGMENT=BOTH				2500 Secs (1952 Secs)	
										[==>1952.0 Secs]	[1]
	3	G160M-5 (1523474)	(4) J094718	COS/FUV, TIME-TAG, PSA	G160M 1533 A	BUFFER-TIME=19 641; FLASH=YES; FP-POS=3; SEGMENT=BOTH				2500 Secs (2782 Secs)	
									[==>2782.0 Secs]	[2]	
4	G160M-5.5 (1523474)	(4) J094718	COS/FUV, TIME-TAG, PSA	G160M 1533 A	BUFFER-TIME=19 641; FLASH=YES; FP-POS=4; SEGMENT=BOTH				1300 Secs (1270 Secs)		
									[==>1270.0 Secs]	[3]	
5	G130M-0.5 (1523176)	(4) J094718	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 00; FLASH=YES; FP-POS=3; SEGMENT=BOTH				1300 Secs (1270 Secs)		
									[==>1270.0 Secs]	[3]	



Proposal 16643 - J094718-visit3 (10) - Mapping the escape of ionizing photons across the full ionizing continuum using high-resolution...

Tue Jan 24 20:00:28 GMT 2023

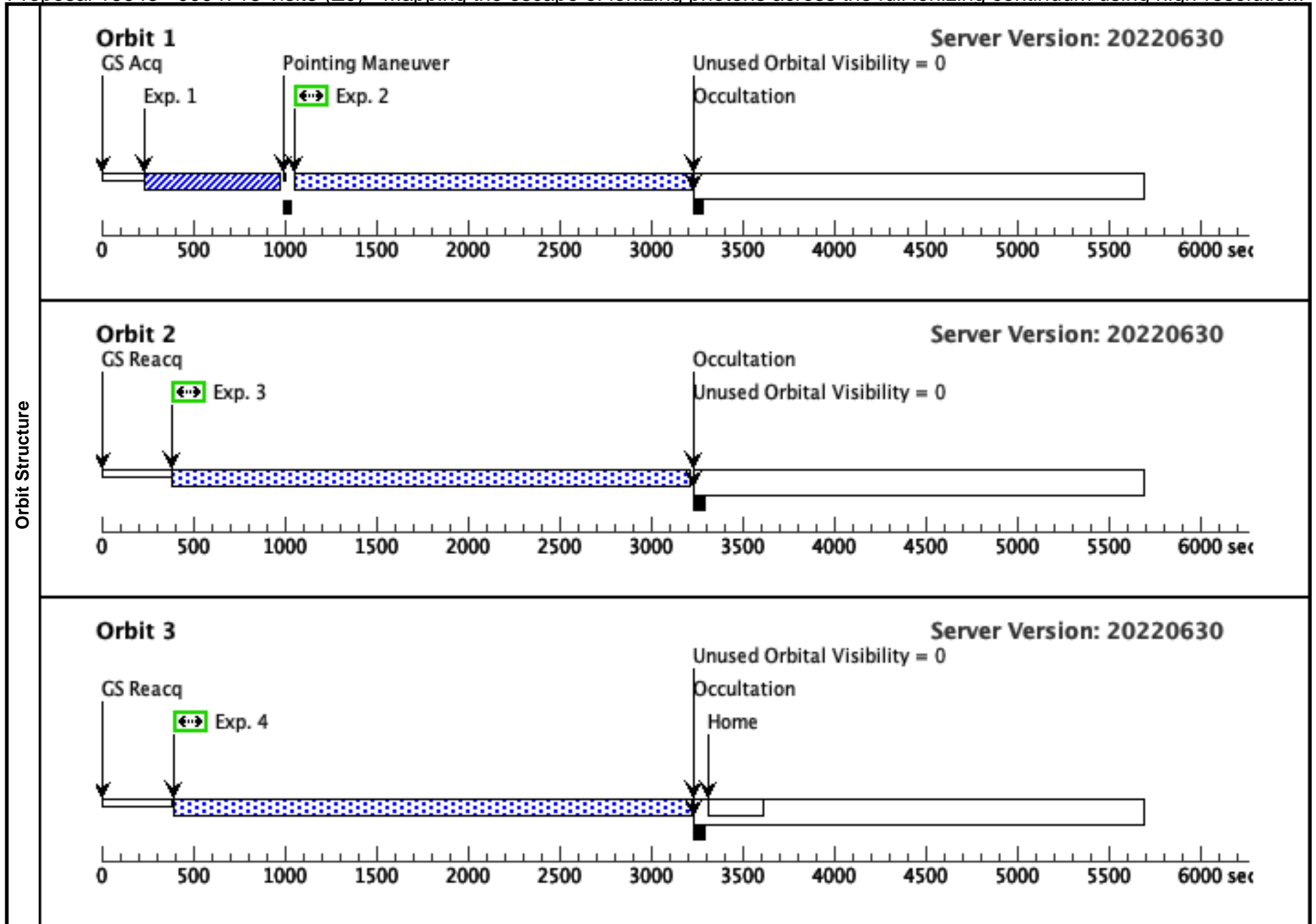
Visit	Proposal 16643, J094718-visit3 (10), failed Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: SAME ORIENT AS 08																																																											
Diagnostics	(J094718-visit3 (10)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions when observing at a given COS cenwave. See the COS Instrument Handbook for exceptions that may apply to observations with G130M/1291 or G160M. (G130M-1.5 (10.002)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details. (G130M-2.5 (10.003)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details. (G130M-3.5 (10.004)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details.																																																											
Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(4)</td> <td>J094718</td> <td>RA: 09 47 18.2410 (146.8260042d) Dec: +41 38 16.44 (41.63790d) Equinox: J2000</td> <td>Redshift: 0.005</td> <td>V=17.57 GALEX FUV = 19.37, SDSS r-band = 17.38</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td colspan="6"> <i>Comments:</i> Category=GALAXY Description=[DWARF COMPACT] Extended=YES </td> </tr> </tbody> </table>										#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(4)	J094718	RA: 09 47 18.2410 (146.8260042d) Dec: +41 38 16.44 (41.63790d) Equinox: J2000	Redshift: 0.005	V=17.57 GALEX FUV = 19.37, SDSS r-band = 17.38	Reference Frame: ICRS	<i>Comments:</i> Category=GALAXY Description=[DWARF COMPACT] Extended=YES																																					
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																																																							
(4)	J094718	RA: 09 47 18.2410 (146.8260042d) Dec: +41 38 16.44 (41.63790d) Equinox: J2000	Redshift: 0.005	V=17.57 GALEX FUV = 19.37, SDSS r-band = 17.38	Reference Frame: ICRS																																																							
<i>Comments:</i> Category=GALAXY Description=[DWARF COMPACT] Extended=YES																																																												
Exposures	<table border="1"> <thead> <tr> <th>#</th> <th>Label (ETC Run)</th> <th>Target</th> <th>Config,Mode,Aperture</th> <th>Spectral Els.</th> <th>Opt. Params.</th> <th>Special Reqs.</th> <th>Groups</th> <th>Exp. Time (Total)/[Actual Dur.]</th> <th>Orbit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>ACQ-IMG (1525560)</td> <td>(4) J094718</td> <td>COS/NUV, ACQ/IMAGE, PSA</td> <td>MIRRORA</td> <td></td> <td></td> <td></td> <td>264 Secs (264 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>2</td> <td>G130M-1.5 (1523176)</td> <td>(4) J094718</td> <td>COS/FUV, TIME-TAG, PSA</td> <td>G130M 1291 A</td> <td>BUFFER-TIME=54 00; FLASH=YES; FP-POS=3; SEGMENT=BOTH</td> <td></td> <td></td> <td>2500 Secs (2004 Secs) [==>2004.0 Secs]</td> <td>[1]</td> </tr> <tr> <td>3</td> <td>G130M-2.5 (1523176)</td> <td>(4) J094718</td> <td>COS/FUV, TIME-TAG, PSA</td> <td>G130M 1291 A</td> <td>BUFFER-TIME=54 00; FLASH=YES; FP-POS=4; SEGMENT=BOTH</td> <td></td> <td></td> <td>2500 Secs (2782 Secs) [==>2782.0 Secs]</td> <td>[2]</td> </tr> <tr> <td>4</td> <td>G130M-3.5 (1523176)</td> <td>(4) J094718</td> <td>COS/FUV, TIME-TAG, PSA</td> <td>G130M 1291 A</td> <td>BUFFER-TIME=54 00; FLASH=YES; FP-POS=4; SEGMENT=BOTH</td> <td></td> <td></td> <td>2500 Secs (2782 Secs) [==>2782.0 Secs]</td> <td>[3]</td> </tr> </tbody> </table>										#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	1	ACQ-IMG (1525560)	(4) J094718	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				264 Secs (264 Secs) [==>]	[1]	2	G130M-1.5 (1523176)	(4) J094718	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 00; FLASH=YES; FP-POS=3; SEGMENT=BOTH			2500 Secs (2004 Secs) [==>2004.0 Secs]	[1]	3	G130M-2.5 (1523176)	(4) J094718	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 00; FLASH=YES; FP-POS=4; SEGMENT=BOTH			2500 Secs (2782 Secs) [==>2782.0 Secs]	[2]	4	G130M-3.5 (1523176)	(4) J094718	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 00; FLASH=YES; FP-POS=4; SEGMENT=BOTH			2500 Secs (2782 Secs) [==>2782.0 Secs]	[3]
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit																																																			
1	ACQ-IMG (1525560)	(4) J094718	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				264 Secs (264 Secs) [==>]	[1]																																																			
2	G130M-1.5 (1523176)	(4) J094718	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 00; FLASH=YES; FP-POS=3; SEGMENT=BOTH			2500 Secs (2004 Secs) [==>2004.0 Secs]	[1]																																																			
3	G130M-2.5 (1523176)	(4) J094718	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 00; FLASH=YES; FP-POS=4; SEGMENT=BOTH			2500 Secs (2782 Secs) [==>2782.0 Secs]	[2]																																																			
4	G130M-3.5 (1523176)	(4) J094718	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 00; FLASH=YES; FP-POS=4; SEGMENT=BOTH			2500 Secs (2782 Secs) [==>2782.0 Secs]	[3]																																																			



Proposal 16643 - J094718-visit3 (Z0) - Mapping the escape of ionizing photons across the full ionizing continuum using high-resolutio...

Tue Jan 24 20:00:28 GMT 2023

Visit	Proposal 16643, J094718-visit3 (Z0), scheduling Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: SAME ORIENT AS 08 <i>Comments: This is a duplicate of failed visit 10. This HOPR is to repeat 3 orbits from failed visit 10</i>																																																											
Diagnostics	(J094718-visit3 (Z0)) 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. See the COS Instrument Handbook for exceptions that may apply to observations with G130M/1291 or G160M. (G130M-1.5 (Z0.002)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details. (G130M-2.5 (Z0.003)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details. (G130M-3.5 (Z0.004)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details.																																																											
Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(4)</td> <td>J094718</td> <td>RA: 09 47 18.2410 (146.8260042d) Dec: +41 38 16.44 (41.63790d) Equinox: J2000</td> <td>Redshift: 0.005</td> <td>V=17.57 GALEX FUV = 19.37, SDSS r-band = 17.38</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments:</i> Category=GALAXY Description=[DWARF COMPACT] Extended=YES</p>										#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(4)	J094718	RA: 09 47 18.2410 (146.8260042d) Dec: +41 38 16.44 (41.63790d) Equinox: J2000	Redshift: 0.005	V=17.57 GALEX FUV = 19.37, SDSS r-band = 17.38	Reference Frame: ICRS																																						
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																																																							
(4)	J094718	RA: 09 47 18.2410 (146.8260042d) Dec: +41 38 16.44 (41.63790d) Equinox: J2000	Redshift: 0.005	V=17.57 GALEX FUV = 19.37, SDSS r-band = 17.38	Reference Frame: ICRS																																																							
Exposures	<table border="1"> <thead> <tr> <th>#</th> <th>Label (ETC Run)</th> <th>Target</th> <th>Config,Mode,Aperture</th> <th>Spectral Els.</th> <th>Opt. Params.</th> <th>Special Reqs.</th> <th>Groups</th> <th>Exp. Time (Total)/[Actual Dur.]</th> <th>Orbit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>ACQ-IMG (1525560)</td> <td>(4) J094718</td> <td>COS/NUV, ACQ/IMAGE, PSA</td> <td>MIRRORA</td> <td></td> <td></td> <td></td> <td>264 Secs (264 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>2</td> <td>G130M-1.5 (1523176)</td> <td>(4) J094718</td> <td>COS/FUV, TIME-TAG, PSA</td> <td>G130M 1291 A</td> <td>BUFFER-TIME=54 00; FLASH=YES; FP-POS=3; SEGMENT=BOTH</td> <td></td> <td></td> <td>2500 Secs (2004 Secs) [==>2004.0 Secs]</td> <td>[1]</td> </tr> <tr> <td>3</td> <td>G130M-2.5 (1523176)</td> <td>(4) J094718</td> <td>COS/FUV, TIME-TAG, PSA</td> <td>G130M 1291 A</td> <td>BUFFER-TIME=54 00; FLASH=YES; FP-POS=4; SEGMENT=BOTH</td> <td></td> <td></td> <td>2500 Secs (2782 Secs) [==>2782.0 Secs]</td> <td>[2]</td> </tr> <tr> <td>4</td> <td>G130M-3.5 (1523176)</td> <td>(4) J094718</td> <td>COS/FUV, TIME-TAG, PSA</td> <td>G130M 1291 A</td> <td>BUFFER-TIME=54 00; FLASH=YES; FP-POS=4; SEGMENT=BOTH</td> <td></td> <td></td> <td>2500 Secs (2782 Secs) [==>2782.0 Secs]</td> <td>[3]</td> </tr> </tbody> </table>										#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	1	ACQ-IMG (1525560)	(4) J094718	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				264 Secs (264 Secs) [==>]	[1]	2	G130M-1.5 (1523176)	(4) J094718	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 00; FLASH=YES; FP-POS=3; SEGMENT=BOTH			2500 Secs (2004 Secs) [==>2004.0 Secs]	[1]	3	G130M-2.5 (1523176)	(4) J094718	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 00; FLASH=YES; FP-POS=4; SEGMENT=BOTH			2500 Secs (2782 Secs) [==>2782.0 Secs]	[2]	4	G130M-3.5 (1523176)	(4) J094718	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 00; FLASH=YES; FP-POS=4; SEGMENT=BOTH			2500 Secs (2782 Secs) [==>2782.0 Secs]	[3]
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit																																																			
1	ACQ-IMG (1525560)	(4) J094718	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				264 Secs (264 Secs) [==>]	[1]																																																			
2	G130M-1.5 (1523176)	(4) J094718	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 00; FLASH=YES; FP-POS=3; SEGMENT=BOTH			2500 Secs (2004 Secs) [==>2004.0 Secs]	[1]																																																			
3	G130M-2.5 (1523176)	(4) J094718	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 00; FLASH=YES; FP-POS=4; SEGMENT=BOTH			2500 Secs (2782 Secs) [==>2782.0 Secs]	[2]																																																			
4	G130M-3.5 (1523176)	(4) J094718	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 00; FLASH=YES; FP-POS=4; SEGMENT=BOTH			2500 Secs (2782 Secs) [==>2782.0 Secs]	[3]																																																			



Proposal 16643 - J094718-visit3 (Z8) - Mapping the escape of ionizing photons across the full ionizing continuum using high-resolutio...

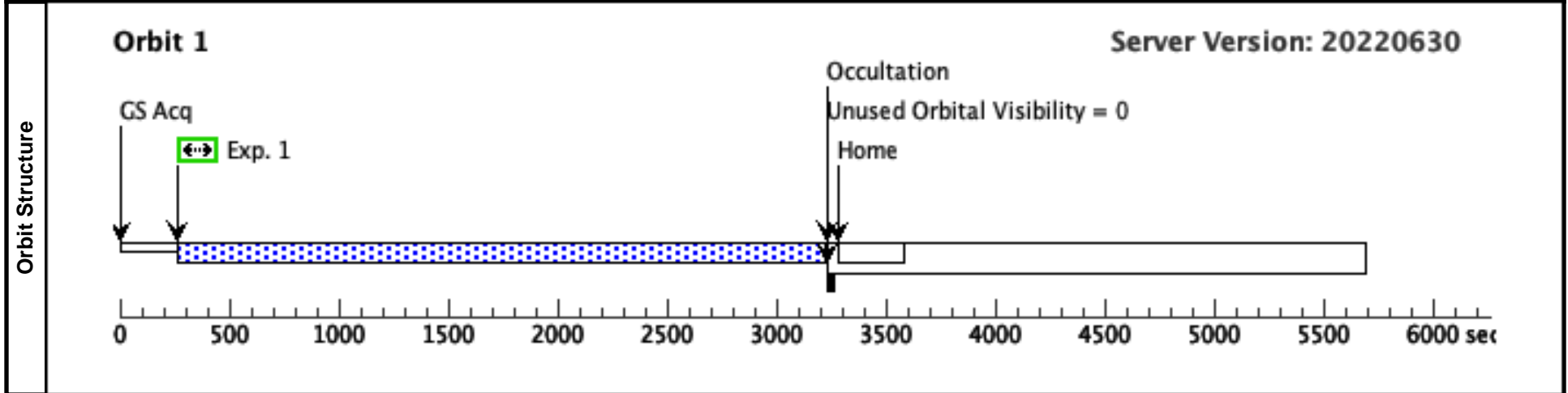
Tue Jan 24 20:00:28 GMT 2023

Visit
Proposal 16643, J094718-visit3 (Z8), scheduling
Diagnostic Status: Warning
 Scientific Instruments: COS/FUV
 Special Requirements: SAME ORIENT AS 08
Comments: This HOPR grants the repeat of the second orbit for failed visit 08. This visit should only total 1 orbit.

Diagnostics
 (J094718-visit3 (Z8)) Warning (Form): A target acquisition should probably be performed before doing spectroscopy or coronagraphy with STIS or COS.
 (J094718-visit3 (Z8)) 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. See the COS Instrument Handbook for exceptions that may apply to observations with G130M/1291 or G160M.
 (G160M-2 (Z8.001)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details.

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(4)	J094718	RA: 09 47 18.2410 (146.8260042d) Dec: +41 38 16.44 (41.63790d) Equinox: J2000	Redshift: 0.005	V=17.57 GALEX FUV = 19.37, SDSS r-band = 17.38	Reference Frame: ICRS
<i>Comments:</i> Category=GALAXY Description=[DWARF COMPACT] Extended=YES					

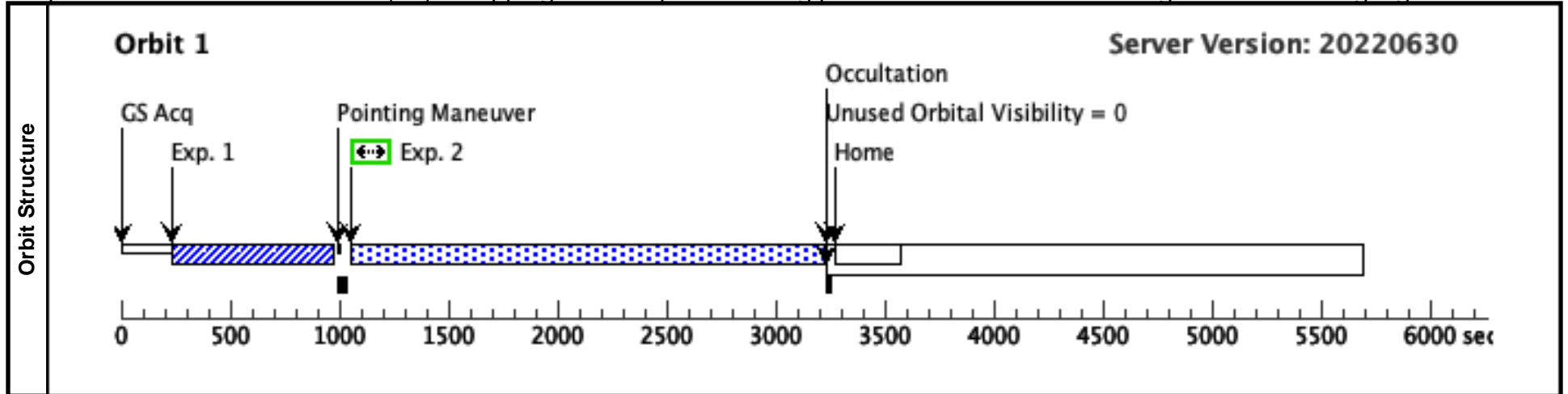
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	G160M-2 (1523474)	(4) J094718	COS/FUV, TIME-TAG, PSA	G160M 1533 A	BUFFER-TIME=19 641; FP-POS=2; SEGMENT=BOTH			2500 Secs (2779 Secs) [=>2779.0 Secs]	[1]



Proposal 16643 - J094718-visit4 (14) - Mapping the escape of ionizing photons across the full ionizing continuum using high-resolution...

Tue Jan 24 20:00:28 GMT 2023

Visit	Proposal 16643, J094718-visit4 (14), completed Diagnostic Status: Error Scientific Instruments: COS/FUV, COS/NUV Special Requirements: SAME ORIENT AS 08																																			
Diagnostics	(G160M-6.5 (14.002)) Error (Form): Illegal selection: G160M. (G160M-6.5 (14.002)) Error (Form): Illegal selection: PSA. (G160M-6.5 (14.002)) Error (Form): This attribute cannot have this value due to other choices: Aperture=PSA. FLASH=NO is the only permitted value for G160M PSA exposures (implied LIFETIME-POS LP6). (G160M-6.5 (14.002)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASH=YES. FLASH=NO is the only permitted value for G160M PSA exposures (implied LIFETIME-POS LP6). (G160M-6.5 (14.002)) Error (Form): This attribute cannot have this value due to other choices: Spectral_Element=G160M. FLASH=NO is the only permitted value for G160M PSA exposures (implied LIFETIME-POS LP6). (G160M-6.5 (14.002)) Error (Form): YES is not a valid selection (G160M-6.5 (14.002)) Error (Form): YES is not a valid selection (J094718-visit4 (14)) 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. See the COS Instrument Handbook for exceptions that may apply to observations with G130M/1291 or G160M. (G160M-6.5 (14.002)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details.																																			
Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(4)</td> <td>J094718</td> <td>RA: 09 47 18.2410 (146.8260042d) Dec: +41 38 16.44 (41.63790d) Equinox: J2000</td> <td>Redshift: 0.005</td> <td>V=17.57 GALEX FUV = 19.37, SDSS r-band = 17.38</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments:</i> <i>Category=GALAXY</i> <i>Description=[DWARF COMPACT]</i> <i>Extended=YES</i></p>						#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(4)	J094718	RA: 09 47 18.2410 (146.8260042d) Dec: +41 38 16.44 (41.63790d) Equinox: J2000	Redshift: 0.005	V=17.57 GALEX FUV = 19.37, SDSS r-band = 17.38	Reference Frame: ICRS																		
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																															
(4)	J094718	RA: 09 47 18.2410 (146.8260042d) Dec: +41 38 16.44 (41.63790d) Equinox: J2000	Redshift: 0.005	V=17.57 GALEX FUV = 19.37, SDSS r-band = 17.38	Reference Frame: ICRS																															
Exposures	<table border="1"> <thead> <tr> <th>#</th> <th>Label (ETC Run)</th> <th>Target</th> <th>Config,Mode,Aperture</th> <th>Spectral Els.</th> <th>Opt. Params.</th> <th>Special Reqs.</th> <th>Groups</th> <th>Exp. Time (Total)/[Actual Dur.]</th> <th>Orbit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>ACQ-IMG (1525560)</td> <td>(4) J094718</td> <td>COS/NUV, ACQ/IMAGE, PSA</td> <td>MIRRORA</td> <td></td> <td></td> <td></td> <td>264 Secs (264 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>2</td> <td>G160M-6.5 (1523474)</td> <td>(4) J094718</td> <td>COS/FUV, TIME-TAG, PSA</td> <td>G160M 1533 A</td> <td>BUFFER-TIME=19 641; FLASH=YES; FP-POS=1; SEGMENT=BOTH</td> <td></td> <td></td> <td>2500 Secs (1952 Secs) [==>1952.0 Secs]</td> <td>[1]</td> </tr> </tbody> </table>						#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	1	ACQ-IMG (1525560)	(4) J094718	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				264 Secs (264 Secs) [==>]	[1]	2	G160M-6.5 (1523474)	(4) J094718	COS/FUV, TIME-TAG, PSA	G160M 1533 A	BUFFER-TIME=19 641; FLASH=YES; FP-POS=1; SEGMENT=BOTH			2500 Secs (1952 Secs) [==>1952.0 Secs]	[1]
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit																											
1	ACQ-IMG (1525560)	(4) J094718	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				264 Secs (264 Secs) [==>]	[1]																											
2	G160M-6.5 (1523474)	(4) J094718	COS/FUV, TIME-TAG, PSA	G160M 1533 A	BUFFER-TIME=19 641; FLASH=YES; FP-POS=1; SEGMENT=BOTH			2500 Secs (1952 Secs) [==>1952.0 Secs]	[1]																											



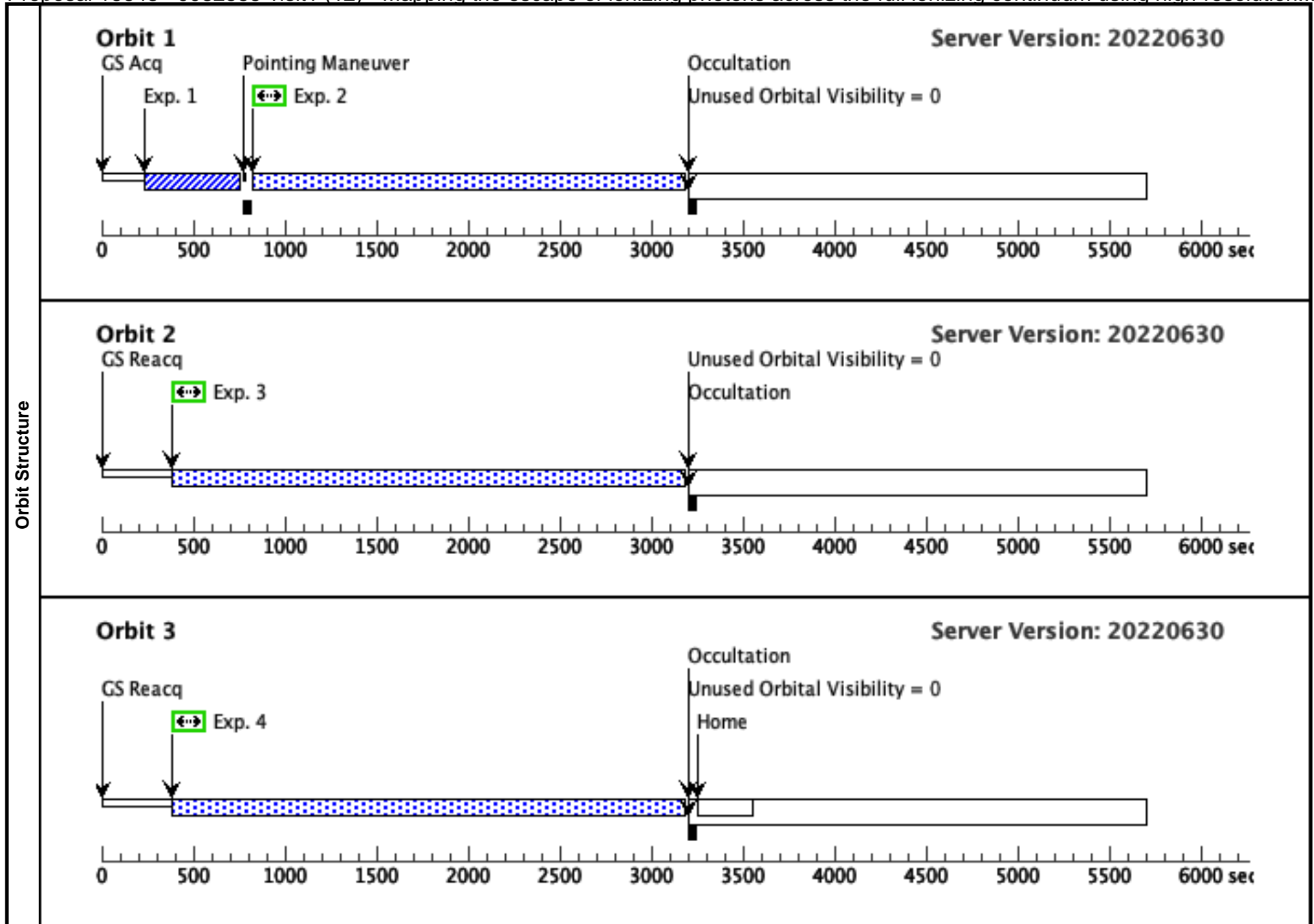
Proposal 16643 - J082555-visit1 (12) - Mapping the escape of ionizing photons across the full ionizing continuum using high-resolution...

Tue Jan 24 20:00:28 GMT 2023

Visit	<p>Proposal 16643, J082555-visit1 (12), completed</p> <p>Diagnostic Status: Error</p> <p>Scientific Instruments: COS/FUV, COS/NUV</p> <p>Special Requirements: (none)</p>																	
	<p>(G160M-1 (12.002)) Error (Form): Illegal selection: G160M. (G160M-1 (12.002)) Error (Form): Illegal selection: PSA. (G160M-1 (12.002)) Error (Form): This attribute cannot have this value due to other choices: Aperture=PSA. FLASH=NO is the only permitted value for G160M PSA exposures (implied LIFETIME-POS LP6). (G160M-1 (12.002)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASH=YES. FLASH=NO is the only permitted value for G160M PSA exposures (implied LIFETIME-POS LP6). (G160M-1 (12.002)) Error (Form): This attribute cannot have this value due to other choices: Spectral_Element=G160M. FLASH=NO is the only permitted value for G160M PSA exposures (implied LIFETIME-POS LP6). (G160M-1 (12.002)) Error (Form): YES is not a valid selection (G160M-1 (12.002)) Error (Form): YES is not a valid selection (G160M-2 (12.003)) Error (Form): Illegal selection: G160M. (G160M-2 (12.003)) Error (Form): Illegal selection: PSA. (G160M-2 (12.003)) Error (Form): This attribute cannot have this value due to other choices: Aperture=PSA. FLASH=NO is the only permitted value for G160M PSA exposures (implied LIFETIME-POS LP6). (G160M-2 (12.003)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASH=YES. FLASH=NO is the only permitted value for G160M PSA exposures (implied LIFETIME-POS LP6). (G160M-2 (12.003)) Error (Form): This attribute cannot have this value due to other choices: Spectral_Element=G160M. FLASH=NO is the only permitted value for G160M PSA exposures (implied LIFETIME-POS LP6). (G160M-2 (12.003)) Error (Form): YES is not a valid selection (G160M-2 (12.003)) Error (Form): YES is not a valid selection (G160M-3 (12.004)) Error (Form): Illegal selection: G160M. (G160M-3 (12.004)) Error (Form): Illegal selection: PSA. (G160M-3 (12.004)) Error (Form): This attribute cannot have this value due to other choices: Aperture=PSA. FLASH=NO is the only permitted value for G160M PSA exposures (implied LIFETIME-POS LP6). (G160M-3 (12.004)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASH=YES. FLASH=NO is the only permitted value for G160M PSA exposures (implied LIFETIME-POS LP6). (G160M-3 (12.004)) Error (Form): This attribute cannot have this value due to other choices: Spectral_Element=G160M. FLASH=NO is the only permitted value for G160M PSA exposures (implied LIFETIME-POS LP6). (G160M-3 (12.004)) Error (Form): YES is not a valid selection (G160M-3 (12.004)) Error (Form): YES is not a valid selection (J082555-visit1 (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. See the COS Instrument Handbook for exceptions that may apply to observations with G130M/1291 or G160M. (G160M-1 (12.002)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details. (G160M-2 (12.003)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details. (G160M-3 (12.004)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details.</p>																	
Fixed Targets	<table border="1"> <thead> <tr> <th data-bbox="136 1230 241 1258">#</th> <th data-bbox="241 1230 472 1258">Name</th> <th data-bbox="472 1230 892 1258">Target Coordinates</th> <th data-bbox="892 1230 1123 1258">Targ. Coord. Corrections</th> <th data-bbox="1123 1230 1312 1258">Fluxes</th> <th data-bbox="1312 1230 2001 1258">Miscellaneous</th> </tr> </thead> <tbody> <tr> <td data-bbox="136 1258 241 1451">(5)</td> <td data-bbox="241 1258 472 1451">J082555</td> <td data-bbox="472 1258 892 1451">RA: 08 25 55.5207 (126.4813362d) Dec: +35 32 31.96 (35.54221d) Equinox: J2000</td> <td data-bbox="892 1258 1123 1451">Redshift: 0.005</td> <td data-bbox="1123 1258 1312 1451">V=17.57 GALEX FUV = 18.80, SDSS r-band = 17.70</td> <td data-bbox="1312 1258 2001 1451">Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments:</i> Category=GALAXY Description=[DWARF COMPACT, STAR FORMING REGION] Extended=YES</p>						#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(5)	J082555	RA: 08 25 55.5207 (126.4813362d) Dec: +35 32 31.96 (35.54221d) Equinox: J2000	Redshift: 0.005	V=17.57 GALEX FUV = 18.80, SDSS r-band = 17.70	Reference Frame: ICRS
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous												
(5)	J082555	RA: 08 25 55.5207 (126.4813362d) Dec: +35 32 31.96 (35.54221d) Equinox: J2000	Redshift: 0.005	V=17.57 GALEX FUV = 18.80, SDSS r-band = 17.70	Reference Frame: ICRS													

Proposal 16643 - J082555-visit1 (12) - Mapping the escape of ionizing photons across the full ionizing continuum using high-resolution...

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	ACQ-IMG (1525561)	(5) J082555	COS/NUV, ACQ/IMAGE, PSA	MIRRORA					152 Secs (152 Secs)	
										[==>]	[1]
	2	G160M-1 (1523449)	(5) J082555	COS/FUV, TIME-TAG, PSA	G160M 1611 A	BUFFER-TIME=92 00;	FLASH=YES;	SEGMENT=BOTH;		2400 Secs (2141 Secs)	
							FP-POS=1			[==>2141.0 Secs]	[1]
3	G160M-2 (1523449)	(5) J082555	COS/FUV, TIME-TAG, PSA	G160M 1611 A	BUFFER-TIME=92 00;	FLASH=YES;	SEGMENT=BOTH;		2400 Secs (2744 Secs)		
						FP-POS=2			[==>2744.0 Secs]	[2]	
4	G160M-3 (1523449)	(5) J082555	COS/FUV, TIME-TAG, PSA	G160M 1611 A	BUFFER-TIME=92 00;	FLASH=YES;	SEGMENT=BOTH;		2400 Secs (2744 Secs)		
						FP-POS=3			[==>2744.0 Secs]	[3]	



Proposal 16643 - J082555-visit2 (13) - Mapping the escape of ionizing photons across the full ionizing continuum using high-resolution...

Tue Jan 24 20:00:28 GMT 2023

Visit	Proposal 16643, J082555-visit2 (13), completed Diagnostic Status: Error Scientific Instruments: COS/FUV, COS/NUV Special Requirements: SAME ORIENT AS 12									
	(G160M-1 (13.002)) Error (Form): Illegal selection: G160M. (G160M-1 (13.002)) Error (Form): Illegal selection: PSA. (G160M-1 (13.002)) Error (Form): This attribute cannot have this value due to other choices: Aperture=PSA. FLASH=NO is the only permitted value for G160M PSA exposures (implied LIFETIME-POS LP6). (G160M-1 (13.002)) Error (Form): This attribute cannot have this value due to other choices: Optional_Parameter=FLASH=YES. FLASH=NO is the only permitted value for G160M PSA exposures (implied LIFETIME-POS LP6). (G160M-1 (13.002)) Error (Form): This attribute cannot have this value due to other choices: Spectral_Element=G160M. FLASH=NO is the only permitted value for G160M PSA exposures (implied LIFETIME-POS LP6). (G160M-1 (13.002)) Error (Form): YES is not a valid selection (G160M-1 (13.002)) Error (Form): YES is not a valid selection (J082555-visit2 (13)) 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. See the COS Instrument Handbook for exceptions that may apply to observations with G130M/1291 or G160M. (G160M-1 (13.002)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details. (G130M-1 (13.003)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details. (G130M-2 (13.004)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details.									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(5)	J082555	RA: 08 25 55.5207 (126.4813362d) Dec: +35 32 31.96 (35.54221d) Equinox: J2000	Redshift: 0.005	V=17.57 GALEX FUV = 18.80, SDSS r-band = 17.70	Reference Frame: ICRS				
Comments: Category=GALAXY Description=[DWARF COMPACT, STAR FORMING REGION] Extended=YES										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ-IMG (1525561)	(5) J082555	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				152 Secs (152 Secs)	
									[==>]	[1]
	2	G160M-1 (1523449)	(5) J082555	COS/FUV, TIME-TAG, PSA	G160M 1611 A	BUFFER-TIME=92 00; FLASH=YES; SEGMENT=BOTH; FP-POS=4			2400 Secs (2141 Secs)	[1]
									[==>2141.0 Secs]	
3	G130M-1 (1523452)	(5) J082555	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=51 31; FLASH=YES; SEGMENT=BOTH; FP-POS=3			2400 Secs (2742 Secs)	[2]	
								[==>2742.0 Secs]		
4	G130M-2 (1523452)	(5) J082555	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=51 31; FLASH=YES; SEGMENT=BOTH; FP-POS=4			2400 Secs (2744 Secs)	[3]	
								[==>2744.0 Secs]		

