



18352 - Constraining the ionizing and FUV output of Little Red Dots with HST: a decisive test of their role in Cosmic Reionization

Cycle: 34, Proposal Category: GO

(Availability Mode: SUPPORTED)

INVESTIGATORS

<i>Name</i>	<i>Institution</i>
Dr. Alberto Saldana-Lopez (PI) (ESA Member) (Contact)	Stockholm University
Dr. Ruqiu Lin (CoI)	University of Massachusetts - Amherst
Prof. Matthew James Hayes (CoI) (ESA Member)	Stockholm University
Dr. Jorge Zavala (CoI)	University of Massachusetts - Amherst
Prof. Claudia Scarlata (CoI)	University of Minnesota - Twin Cities
Dr. Alexandra Le Reste (CoI)	University of Minnesota - Twin Cities
Dr. Alaina L. Henry (CoI) (AdminUSPI)	Space Telescope Science Institute
Prof. Mauro Giavalisco (CoI)	University of Massachusetts - Amherst

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) J003515+084859	COS/FUV COS/NUV	3	17-Aug-2026 14:00:17.0	yes
02	(2) J085058+303053	COS/FUV COS/NUV	3	17-Aug-2026 14:00:18.0	yes
03	(3) J092359+415736	COS/FUV COS/NUV	2	17-Aug-2026 14:00:18.0	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>
04	(3) J092359+415736	COS/FUV COS/NUV	2	17-Aug-2026 14:00:19.0	yes
05	(4) J092834+292136	COS/FUV COS/NUV	3	17-Aug-2026 14:00:19.0	yes
06	(5) J115438+065025	COS/FUV COS/NUV	3	17-Aug-2026 14:00:20.0	yes
07	(6) J120052+331238	COS/FUV COS/NUV	3	17-Aug-2026 14:00:21.0	yes
09	(7) J122245+360218	COS/FUV COS/NUV	2	17-Aug-2026 14:00:21.0	yes
10	(7) J122245+360218	COS/FUV COS/NUV	2	17-Aug-2026 14:00:21.0	yes

23 Total Orbits Used

ABSTRACT

We propose 23 orbits of HST COS spectroscopy to obtain far-ultraviolet (FUV) and Lyman continuum (LyC) observations of seven recently discovered Little Red Dots (LRDs) in the nearby universe ($z = 0.3$). LRDs, a population of compact, red sources at $z > 3$ revealed by JWST, exhibit unusual spectral energy distributions and broad Balmer emission lines, suggesting rapid black hole growth, yet the physical origin of their ultraviolet continuum emission remains unresolved. Current models invoke either stellar-dominated emission from young populations surrounding a gas-enshrouded black hole, or accretion-dominated emission from a structured disk, but these scenarios make fundamentally different predictions for the ionizing spectrum.

At high redshift, direct constraints on LyC emission are precluded by intergalactic medium absorption. The proposed low-redshift LRD sample provide a unique opportunity to directly measure both the ionizing output and rest-frame FUV spectral features of LRD systems. Using COS/G140L, we will measure the LyC-to-UV flux ratio and search for diagnostic stellar wind and photospheric features, enabling a decisive test of the dominant emission mechanism.

These observations will deliver the first empirical constraints on the ionizing efficiency of LRDs. Given their high inferred number densities at high-

z, LRDs may represent a significant, previously unaccounted-for contributor to the ionizing photon budget during cosmic reionization. This program will therefore establish whether accreting black holes in LRDs can rival star-forming galaxies as drivers of reionization.

OBSERVING DESCRIPTION

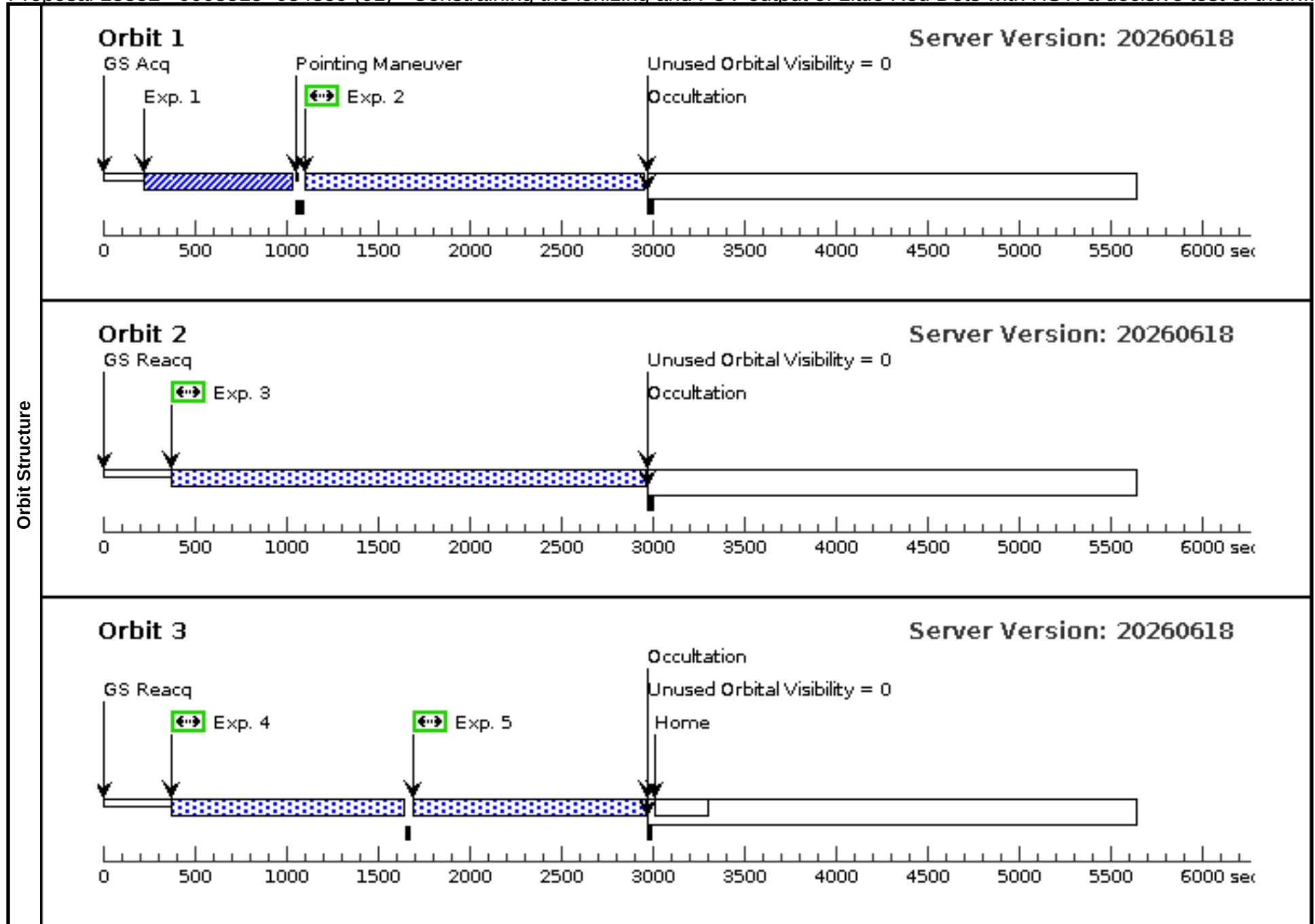
Here we propose 23 orbits of HST COS spectroscopy to obtain far-ultraviolet (FUV) and Lyman continuum (LyC) observations of seven recently discovered Little Red Dots (LRDs) in the nearby universe ($z = 0.3$), enabling the search for diagnostic stellar features and the dominant emission mechanism at these (so-far unexplored) wavelengths.

Science observations will employ the medium resolution COS G140L grating at CENWAVE = 800 in the Primary Science Aperture (PSA), to cover both the ionizing and non-ionizing rest-FUV continuum. Exposure Time Calculator (ETC, v34.1.1) estimates, assuming point-source profiles and nominal background levels, and including acquisition overheads, require between 3 and 4 orbits per target, for a total of 23 orbits across the seven-object sample. As such, 3-orbit integrations will be done in the same visit, while 4-orbit exposures will be split in two 2-orbit visits. FP-POS 1 to 4 are used consecutively within the 3-orbit visits, but FP-POS are split into FP-POS = (1,2) and (3,4) in the case of 4-orbit visits of the same target. According to the ETC (see provided ETC IDs), these observations require BUFFER-TIMEs of $\sim 12,000$ s per FP-POS. These observations will use FLASH illumination.

To ensure accurate centering, target acquisition will be performed through standard NUV imaging in the ACQ/IMAGE mode, using the MIRRIRA spectral element and the PSA aperture. These acquisitions will require between 300s and 450s exposures to achieve $S/N > 50$, based on the GALEX NUV magnitudes of the objects (21-22 AB). All targets satisfy COS safety constraints, with no contaminating sources exceeding limits within the $43'' \times 43''$ aperture. Predicted count-rates remain well below thresholds relevant for lifetime position (LP) constraints, and we will use the LP11 as recommended by the cycle 34 COS policies for the G140L grating.

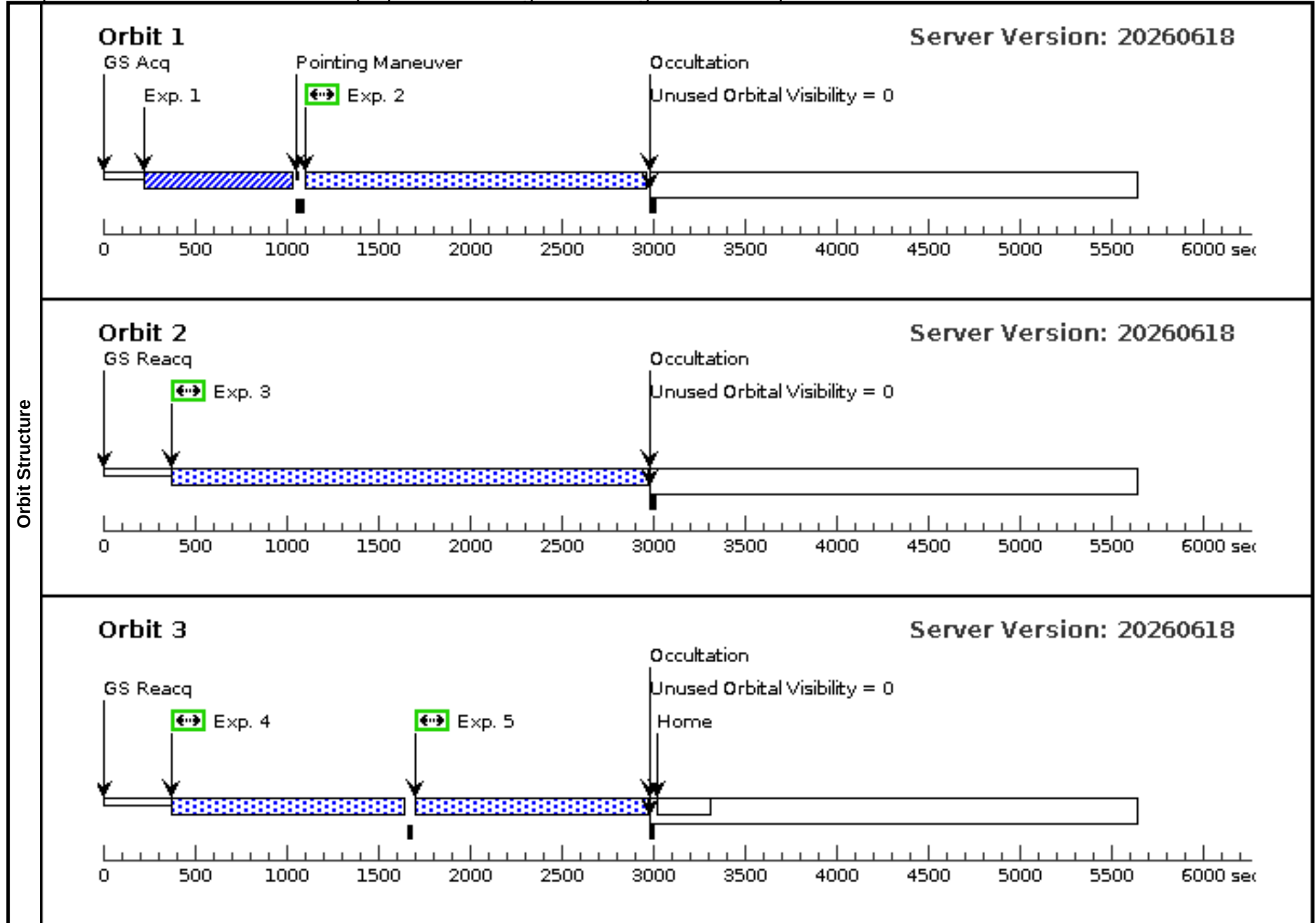
Proposal 18352 - J003515+084859 (01) - Constraining the ionizing and FUV output of Little Red Dots with HST: a decisive test of their...

Visit	Proposal 18352, J003515+084859 (01), implementation										Mon Aug 17 18:00:22 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: COS/FUV, COS/NUV											
	Special Requirements: (none)											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Fluxes		Miscellaneous	
	(1)	J003515+084859	RA: 00 35 15.1680 (8.8132000d) Dec: +08 48 59.76 (8.81660d) Equinox: J2000			Redshift: 0.242			V=20.8 NUV = 21.3		Reference Frame: ICRS	
	Comments: Category=GALAXY Description=[DWARF COMPACT, STARBURST] Extended=NO											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(COS.im.23 62473)	(1) J003515+084859	COS/NUV, ACQ/IMAGE, PSA		MIRRORA				300 Secs (300 Secs)		
										[==>]		[1]
	2	(COS.sp.236 6176)	(1) J003515+084859	COS/FUV, TIME-TAG, PSA		G140L 800 A	FP-POS=1; FLASH=YES; LIFETIME-POS=L P11; BUFFER-TIME=12 000			1500 Secs (1648 Secs)		
										[==>1648.0 Secs]		[1]
	3	(COS.sp.236 6176)	(1) J003515+084859	COS/FUV, TIME-TAG, PSA		G140L 800 A	FP-POS=2; FLASH=YES; LIFETIME-POS=L P11; BUFFER-TIME=12 000			2500 Secs (2533 Secs)		
										[==>2533.0 Secs]		[2]
	4	(COS.sp.236 6176)	(1) J003515+084859	COS/FUV, TIME-TAG, PSA		G140L 800 A	FP-POS=3; FLASH=YES; LIFETIME-POS=L P11; BUFFER-TIME=12 000			1200 Secs (1214 Secs)		
										[==>1214.0 Secs]		[3]
	5	(COS.sp.236 6176)	(1) J003515+084859	COS/FUV, TIME-TAG, PSA		G140L 800 A	FP-POS=4; FLASH=YES; LIFETIME-POS=L P11; BUFFER-TIME=12 000			1200 Secs (1214 Secs)		
									[==>1214.0 Secs]		[3]	



Proposal 18352 - J085058+303053 (02) - Constraining the ionizing and FUV output of Little Red Dots with HST: a decisive test of their...

Visit	Proposal 18352, J085058+303053 (02), implementation										Mon Aug 17 18:00:22 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: COS/FUV, COS/NUV											
	Special Requirements: (none)											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(2)	J085058+303053	RA: 08 50 58.1040 (132.7421000d) Dec: +30 30 53.64 (30.51490d) Equinox: J2000		Redshift: 0.280		V=20.9 NUV = 21.6		Reference Frame: ICRS			
	Comments: Category=GALAXY Description=[DWARF COMPACT, STARBURST] Extended=NO											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(COS.im.23 62473)	(2) J085058+303053	COS/NUV, ACQ/IMAGE, PSA		MIRRORA				300 Secs (300 Secs)		
										[==>]		[1]
	2	(COS.sp.236 6176)	(2) J085058+303053	COS/FUV, TIME-TAG, PSA		G140L 800 A	FP-POS=1; FLASH=YES; LIFETIME-POS=L P11; BUFFER-TIME=12 000			1500 Secs (1658 Secs)		
										[==>1658.0 Secs]		[1]
	3	(COS.sp.236 6176)	(2) J085058+303053	COS/FUV, TIME-TAG, PSA		G140L 800 A	FP-POS=2; FLASH=YES; LIFETIME-POS=L P11; BUFFER-TIME=12 000			2500 Secs (2543 Secs)		
										[==>2543.0 Secs]		[2]
	4	(COS.sp.236 6176)	(2) J085058+303053	COS/FUV, TIME-TAG, PSA		G140L 800 A	FP-POS=3; FLASH=YES; LIFETIME-POS=L P11; BUFFER-TIME=12 000			1200 Secs (1219 Secs)		
										[==>1219.0 Secs]		[3]
	5	(COS.sp.236 6176)	(2) J085058+303053	COS/FUV, TIME-TAG, PSA		G140L 800 A	FP-POS=4; FLASH=YES; LIFETIME-POS=L P11; BUFFER-TIME=12 000			1200 Secs (1219 Secs)		
									[==>1219.0 Secs]		[3]	

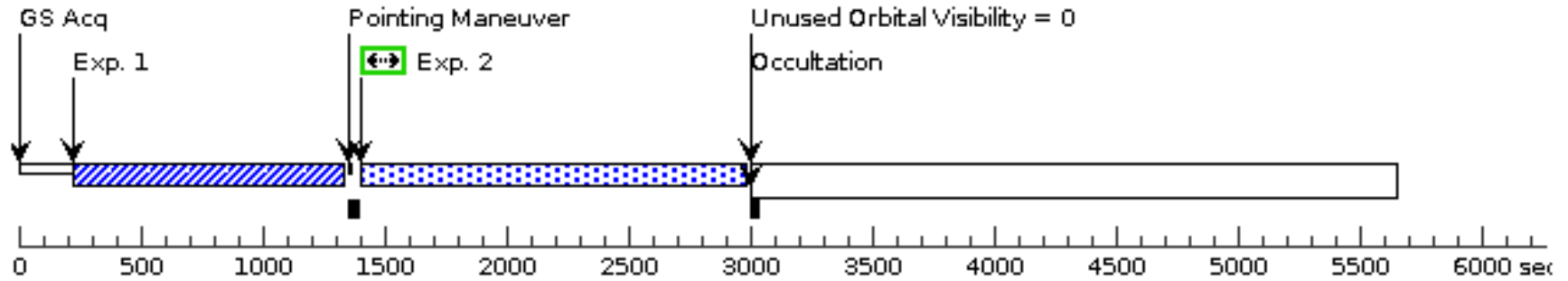


Proposal 18352 - J092359+415736-1 (03) - Constraining the ionizing and FUV output of Little Red Dots with HST: a decisive test of th...

Visit	Proposal 18352, J092359+415736-1 (03), implementation										Mon Aug 17 18:00:22 GMT 2026	
	Diagnostic Status: Warning											
	Scientific Instruments: COS/FUV, COS/NUV											
	Special Requirements: (none)											
Diagnostics	(J092359+415736-1 (03)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions at a given COS cenwave (or 2 positions for certain exception cases). See extended explanation in the diagnostic browser.											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(3)	J092359+415736	RA: 09 23 59.8992 (140.9995800d)		Redshift: 0.323		V=21.3		Reference Frame: ICRS			
			Dec: +41 57 36.73 (41.96020d)				NUV = 22.3					
			Equinox: J2000									
	Comments: Category=GALAXY Description=[DWARF COMPACT, STARBURST] Extended=NO											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(COS.im.23 62474)	(3) J092359+415736	COS/NUV, ACQ/IMAGE, PSA		MIRRORA				450 Secs (450 Secs)		
										[==>]		[1]
	2	(COS.sp.236 6176)	(3) J092359+415736	COS/FUV, TIME-TAG, PSA		G140L	FP-POS=1;			1200 Secs (1372 Secs)		
						800 A	FLASH=YES;			[==>1372.0 Secs]		
							LIFETIME-POS=L					[1]
							P11;					
						BUFFER-TIME=12						
						000						
	3	(COS.sp.236 6176)	(3) J092359+415736	COS/FUV, TIME-TAG, PSA		G140L	FP-POS=2;			2500 Secs (2557 Secs)		
						800 A	FLASH=YES;			[==>2557.0 Secs]		
							LIFETIME-POS=L					[2]
							P11;					
							BUFFER-TIME=12					
							000					

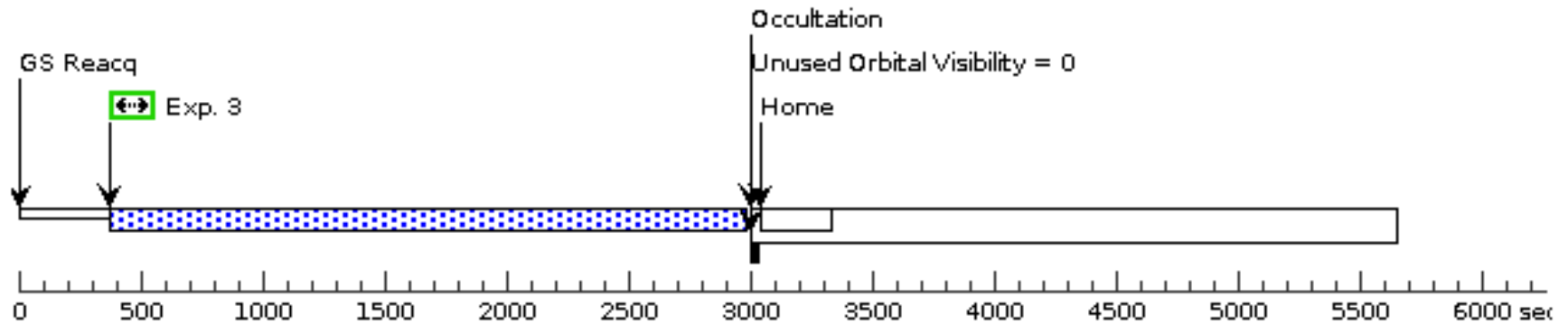
Orbit 1

Server Version: 20260618



Orbit 2

Server Version: 20260618

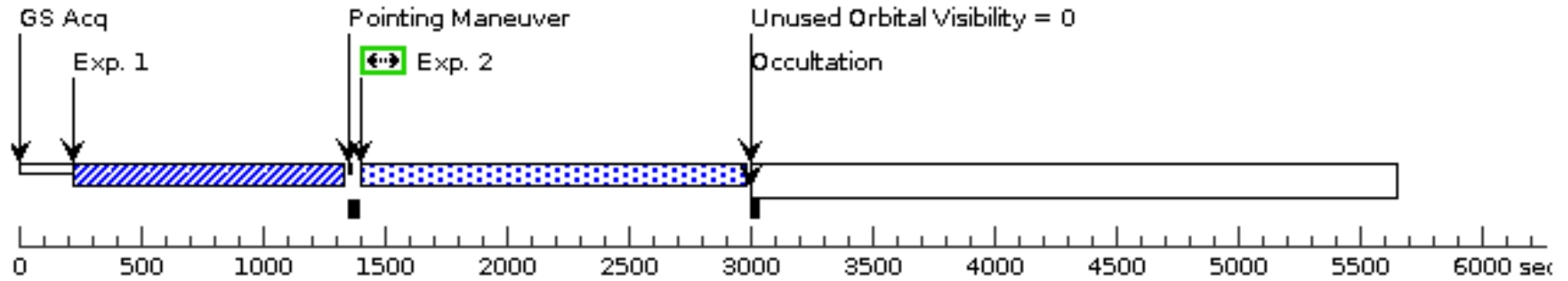


Proposal 18352 - J092359+415736-2 (04) - Constraining the ionizing and FUV output of Little Red Dots with HST: a decisive test of th...

Visit	Proposal 18352, J092359+415736-2 (04), implementation										Mon Aug 17 18:00:22 GMT 2026	
	Diagnostic Status: Warning											
	Scientific Instruments: COS/FUV, COS/NUV											
	Special Requirements: (none)											
Diagnostics	(J092359+415736-2 (04)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions at a given COS cenwave (or 2 positions for certain exception cases). See extended explanation in the diagnostic browser.											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(3)	J092359+415736	RA: 09 23 59.8992 (140.9995800d) Dec: +41 57 36.73 (41.96020d) Equinox: J2000		Redshift: 0.323		V=21.3 NUV = 22.3		Reference Frame: ICRS			
	Comments: Category=GALAXY Description=[DWARF COMPACT, STARBURST] Extended=NO											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(COS.im.23 62474)	(3) J092359+415736	COS/NUV, ACQ/IMAGE, PSA		MIRRORA				450 Secs (450 Secs)		
										[==>]		[1]
	2	(COS.sp.236 6176)	(3) J092359+415736	COS/FUV, TIME-TAG, PSA		G140L 800 A	FP-POS=3; FLASH=YES; LIFETIME-POS=L P11; BUFFER-TIME=12 000			1200 Secs (1372 Secs)		
										[==>1372.0 Secs]		[1]
	3	(COS.sp.236 6176)	(3) J092359+415736	COS/FUV, TIME-TAG, PSA		G140L 800 A	FP-POS=4; FLASH=YES; LIFETIME-POS=L P11; BUFFER-TIME=12 000			2500 Secs (2557 Secs)		
										[==>2557.0 Secs]		[2]

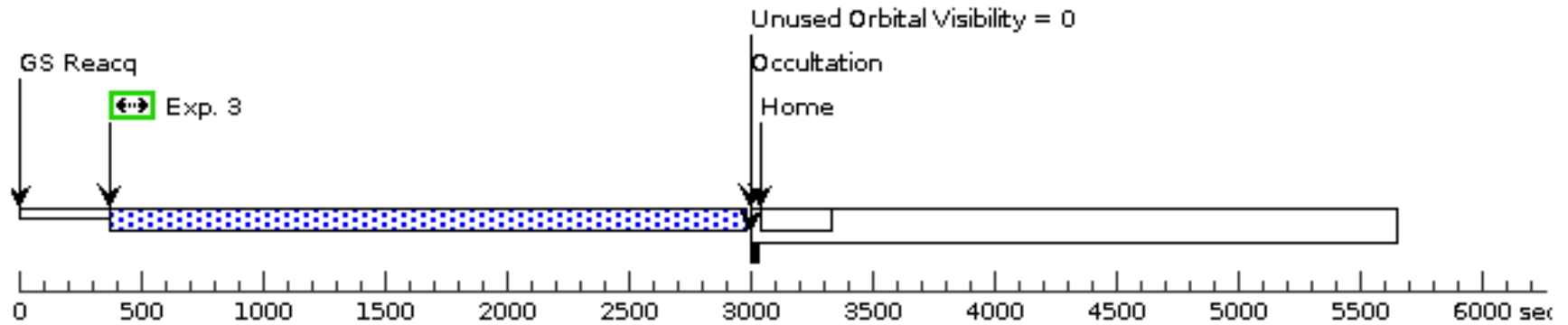
Orbit 1

Server Version: 20260618



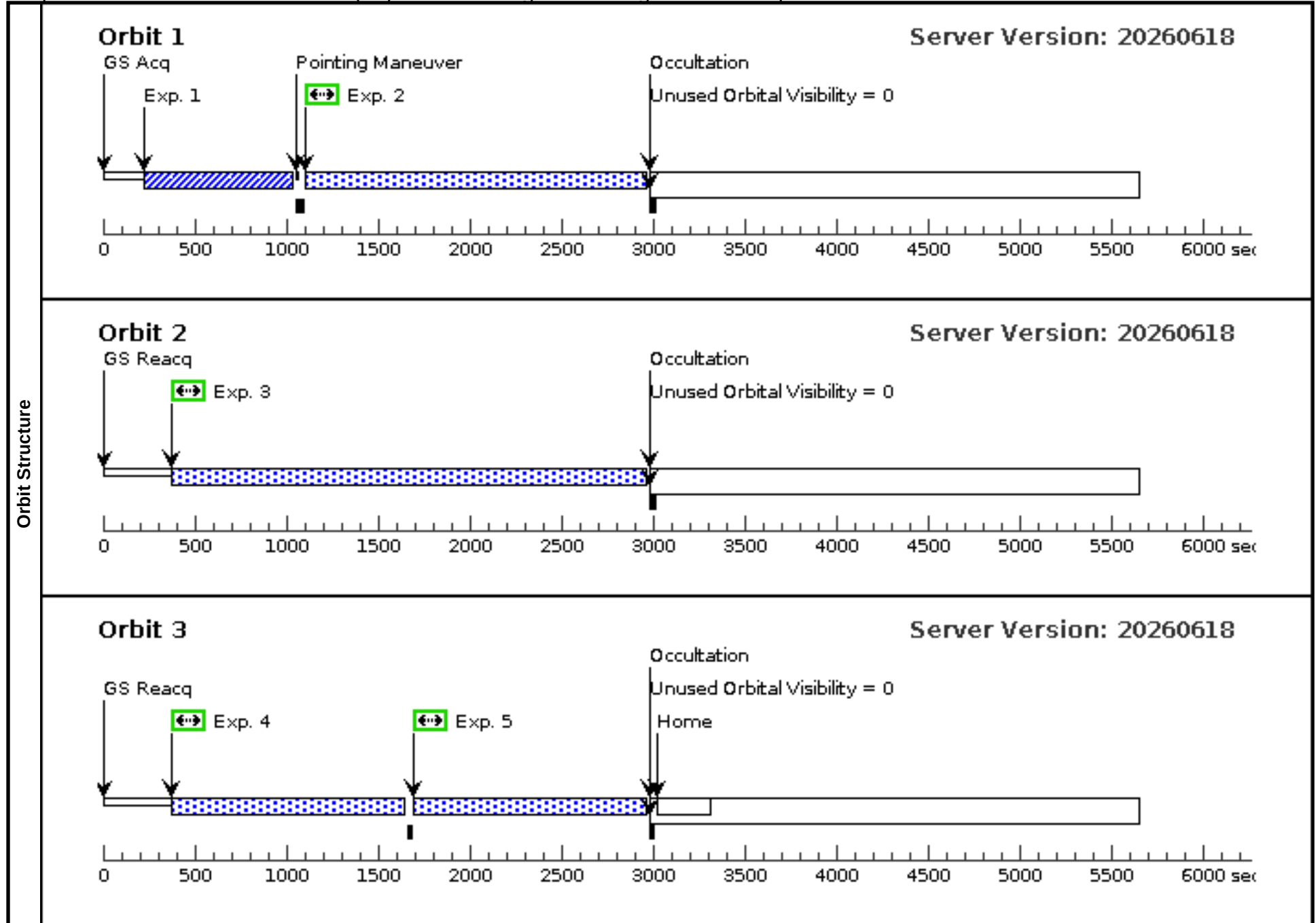
Orbit 2

Server Version: 20260618



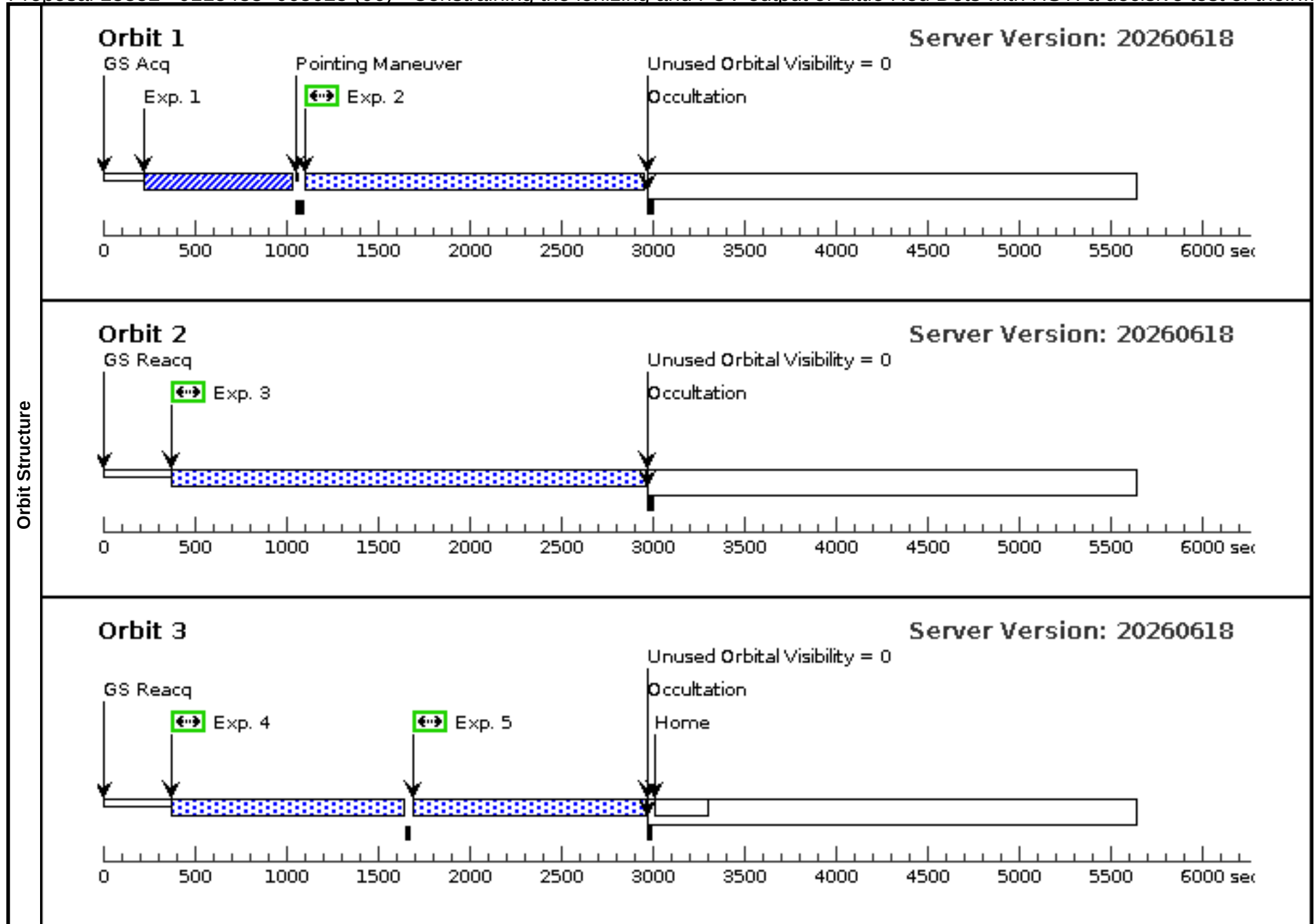
Proposal 18352 - J092834+292136 (05) - Constraining the ionizing and FUV output of Little Red Dots with HST: a decisive test of their...

Visit	Proposal 18352, J092834+292136 (05), implementation										Mon Aug 17 18:00:22 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: COS/FUV, COS/NUV											
	Special Requirements: (none)											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(4)	J092834+292136	RA: 09 28 34.8600 (142.1452500d) Dec: +29 21 36.36 (29.36010d) Equinox: J2000			Redshift: 0.293		V=19.9 NUV = 21.2		Reference Frame: ICRS		
	Comments: Category=GALAXY Description=[DWARF COMPACT, STARBURST] Extended=NO											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(COS.im.23 62473)	(4) J092834+292136	COS/NUV, ACQ/IMAGE, PSA		MIRRORA				300 Secs (300 Secs)		
										[>=>]		[1]
	2	(COS.sp.236 6176)	(4) J092834+292136	COS/FUV, TIME-TAG, PSA		G140L 800 A	FP-POS=1; FLASH=YES; LIFETIME-POS=L P11; BUFFER-TIME=12 000			1500 Secs (1654 Secs)		
										[>=>1654.0 Secs]		[1]
	3	(COS.sp.236 6176)	(4) J092834+292136	COS/FUV, TIME-TAG, PSA		G140L 800 A	FP-POS=2; FLASH=YES; LIFETIME-POS=L P11; BUFFER-TIME=12 000			2500 Secs (2539 Secs)		
										[>=>2539.0 Secs]		[2]
	4	(COS.sp.236 6176)	(4) J092834+292136	COS/FUV, TIME-TAG, PSA		G140L 800 A	FP-POS=3; FLASH=YES; LIFETIME-POS=L P11; BUFFER-TIME=12 000			1200 Secs (1217 Secs)		
										[>=>1217.0 Secs]		[3]
	5	(COS.sp.236 6176)	(4) J092834+292136	COS/FUV, TIME-TAG, PSA		G140L 800 A	FP-POS=4; FLASH=YES; LIFETIME-POS=L P11; BUFFER-TIME=12 000			1200 Secs (1217 Secs)		
										[>=>1217.0 Secs]		[3]



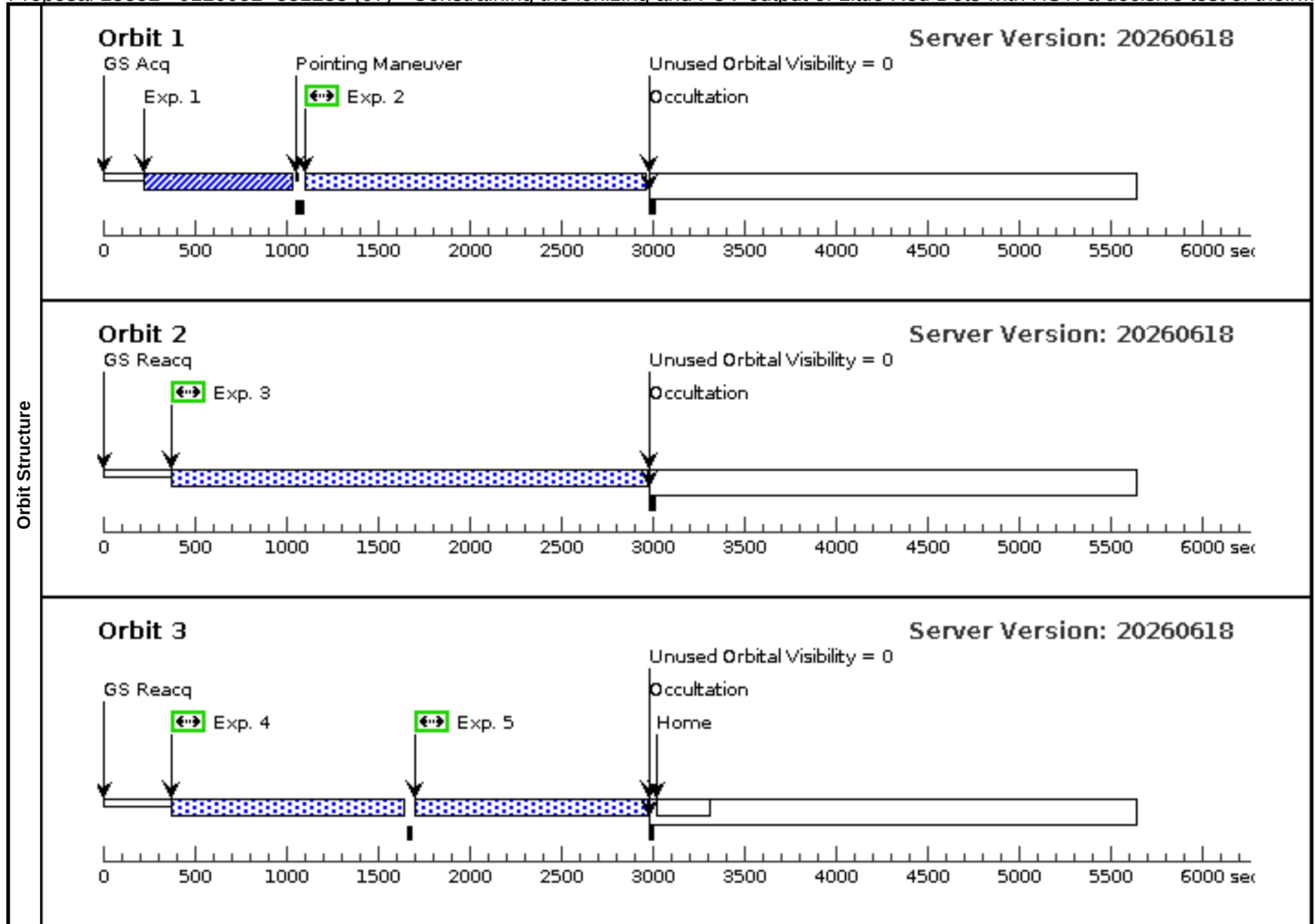
Proposal 18352 - J115438+065025 (06) - Constraining the ionizing and FUV output of Little Red Dots with HST: a decisive test of their...

Visit	Proposal 18352, J115438+065025 (06), implementation										Mon Aug 17 18:00:22 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: COS/FUV, COS/NUV											
	Special Requirements: (none)											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(5)	J115438+065025	RA: 11 54 38.9760 (178.6624000d) Dec: +06 50 25.00 (6.84028d) Equinox: J2000			Redshift: 0.269		V=19.6 NUV = 20.9		Reference Frame: ICRS		
	Comments: Category=GALAXY Description=[DWARF COMPACT, STARBURST] Extended=NO											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(COS.im.23 62473)	(5) J115438+065025	COS/NUV, ACQ/IMAGE, PSA		MIRRORA				300 Secs (300 Secs)		
										[==>]		[1]
	2	(COS.sp.236 6176)	(5) J115438+065025	COS/FUV, TIME-TAG, PSA		G140L 800 A	FP-POS=1; FLASH=YES; LIFETIME-POS=L P11; BUFFER-TIME=12 000			1500 Secs (1648 Secs)		
										[==>1648.0 Secs]		[1]
	3	(COS.sp.236 6176)	(5) J115438+065025	COS/FUV, TIME-TAG, PSA		G140L 800 A	FP-POS=2; FLASH=YES; LIFETIME-POS=L P11; BUFFER-TIME=12 000			2500 Secs (2533 Secs)		
										[==>2533.0 Secs]		[2]
	4	(COS.sp.236 6176)	(5) J115438+065025	COS/FUV, TIME-TAG, PSA		G140L 800 A	FP-POS=3; FLASH=YES; LIFETIME-POS=L P11; BUFFER-TIME=12 000			1200 Secs (1214 Secs)		
										[==>1214.0 Secs]		[3]
	5	(COS.sp.236 6176)	(5) J115438+065025	COS/FUV, TIME-TAG, PSA		G140L 800 A	FP-POS=4; FLASH=YES; LIFETIME-POS=L P11; BUFFER-TIME=12 000			1200 Secs (1214 Secs)		
										[==>1214.0 Secs]		[3]



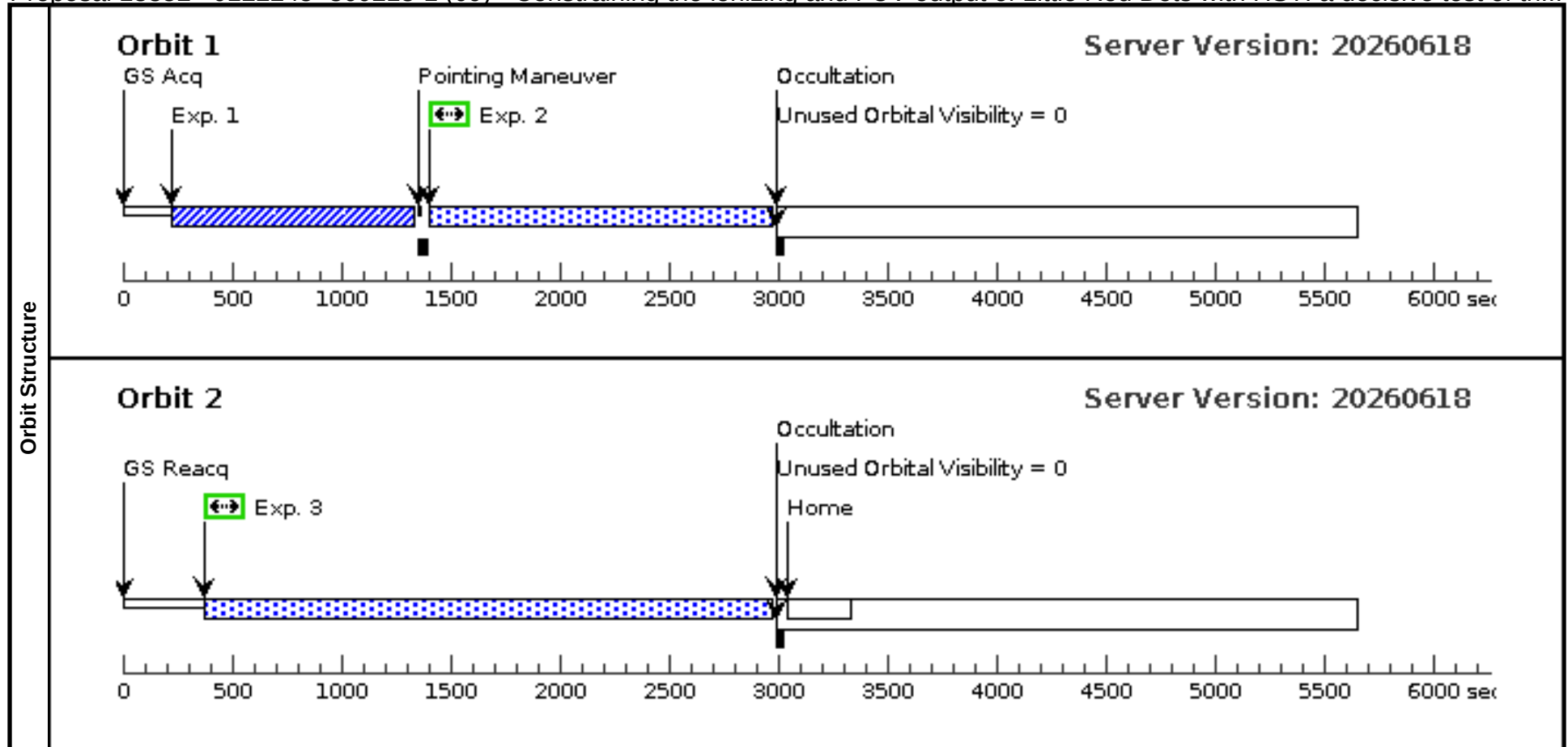
Proposal 18352 - J120052+331238 (07) - Constraining the ionizing and FUV output of Little Red Dots with HST: a decisive test of their...

Visit	Proposal 18352, J120052+331238 (07), implementation										Mon Aug 17 18:00:22 GMT 2026	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: COS/FUV, COS/NUV											
	Special Requirements: (none)											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections			Fluxes		Miscellaneous	
	(6)	J120052+331238	RA: 12 00 52.3728 (180.2182200d) Dec: +33 12 38.39 (33.21066d) Equinox: J2000			Redshift: 0.303			V=20.5 NUV = 21.6		Reference Frame: ICRS	
	Comments: Category=GALAXY Description=[DWARF COMPACT, STARBURST] Extended=NO											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(COS.im.23 62473)	(6) J120052+331238	COS/NUV, ACQ/IMAGE, PSA		MIRRORA				300 Secs (300 Secs)		
										[==>]		[1]
	2	(COS.sp.236 6176)	(6) J120052+331238	COS/FUV, TIME-TAG, PSA		G140L 800 A	FP-POS=1; FLASH=YES; LIFETIME-POS=L P11; BUFFER-TIME=12 000			1500 Secs (1658 Secs)		
										[==>1658.0 Secs]		[1]
	3	(COS.sp.236 6176)	(6) J120052+331238	COS/FUV, TIME-TAG, PSA		G140L 800 A	FP-POS=2; FLASH=YES; LIFETIME-POS=L P11; BUFFER-TIME=12 000			2500 Secs (2543 Secs)		
										[==>2543.0 Secs]		[2]
	4	(COS.sp.236 6176)	(6) J120052+331238	COS/FUV, TIME-TAG, PSA		G140L 800 A	FP-POS=3; FLASH=YES; LIFETIME-POS=L P11; BUFFER-TIME=12 000			1200 Secs (1219 Secs)		
										[==>1219.0 Secs]		[3]
	5	(COS.sp.236 6176)	(6) J120052+331238	COS/FUV, TIME-TAG, PSA		G140L 800 A	FP-POS=4; FLASH=YES; LIFETIME-POS=L P11; BUFFER-TIME=12 000			1200 Secs (1219 Secs)		
									[==>1219.0 Secs]		[3]	



Proposal 18352 - J122245+360218-1 (09) - Constraining the ionizing and FUV output of Little Red Dots with HST: a decisive test of th...

Visit	Proposal 18352, J122245+360218-1 (09), implementation										Mon Aug 17 18:00:22 GMT 2026			
	Diagnostic Status: Warning													
	Scientific Instruments: COS/FUV, COS/NUV													
	Special Requirements: (none)													
Diagnos	(J122245+360218-1 (09)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions at a given COS cenwave (or 2 positions for certain exception cases). See extended explanation in the diagnostic browser.													
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous					
	(7)	J122245+360218	RA: 12 22 45.7200 (185.6905000d)		Redshift: 0.301		V=21.3		Reference Frame: ICRS					
			Dec: +36 02 18.41 (36.03845d)				NUV = 21.8							
			Equinox: J2000											
	Comments: Category=GALAXY Description=[DWARF COMPACT, STARBURST] Extended=NO													
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit		
	1	(COS.im.23 62474)	(7) J122245+360218	COS/NUV, ACQ/IMAGE, PSA		MIRRORA				450 Secs (450 Secs)				
										[==>]		[1]		
	2	(COS.sp.236 6176)	(7) J122245+360218	COS/FUV, TIME-TAG, PSA		G140L	FP-POS=1;			1200 Secs (1363 Secs)				
						800 A	FLASH=YES;			[==>1363.0 Secs]		[1]		
							LIFETIME-POS=L P11;							
						BUFFER-TIME=12 000								
	3	(COS.sp.236 6176)	(7) J122245+360218	COS/FUV, TIME-TAG, PSA		G140L	FP-POS=2;			2500 Secs (2548 Secs)				
						800 A	FLASH=YES;			[==>2548.0 Secs]		[2]		
							LIFETIME-POS=L P11;							
							BUFFER-TIME=12 000							

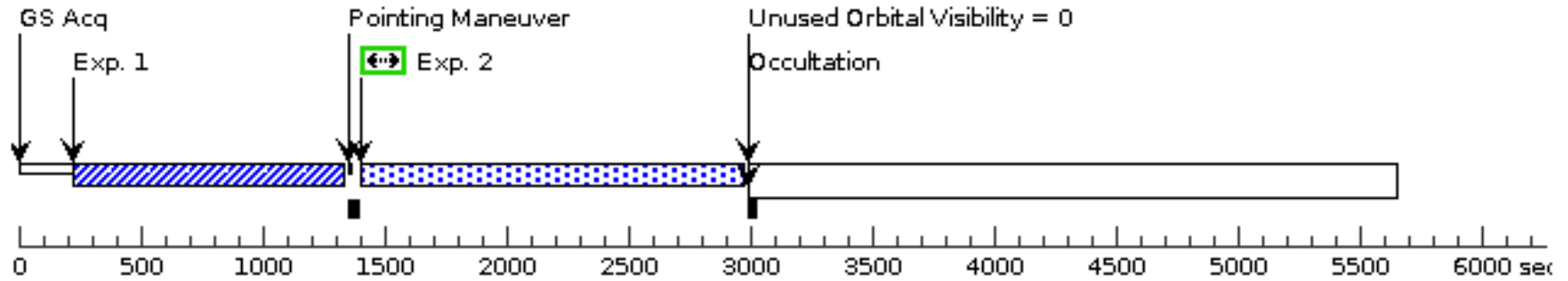


Proposal 18352 - J122245+360218-2 (10) - Constraining the ionizing and FUV output of Little Red Dots with HST: a decisive test of th...

Visit	Proposal 18352, J122245+360218-2 (10), implementation										Mon Aug 17 18:00:22 GMT 2026		
	Diagnostic Status: Warning												
	Scientific Instruments: COS/FUV, COS/NUV												
	Special Requirements: (none)												
Diagnostics	(J122245+360218-2 (10)) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions at a given COS cenwave (or 2 positions for certain exception cases). See extended explanation in the diagnostic browser.												
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous				
	(7)	J122245+360218	RA: 12 22 45.7200 (185.6905000d)		Redshift: 0.301		V=21.3		Reference Frame: ICRS				
			Dec: +36 02 18.41 (36.03845d)				NUV = 21.8						
			Equinox: J2000										
	Comments: Category=GALAXY Description=[DWARF COMPACT, STARBURST] Extended=NO												
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit	
	1	(COS.im.23 62474)	(7) J122245+360218	COS/NUV, ACQ/IMAGE, PSA		MIRRORA				450 Secs (450 Secs)			
										[==>]		[1]	
	2	(COS.sp.236 6176)	(7) J122245+360218	COS/FUV, TIME-TAG, PSA		G140L	FP-POS=3;			1200 Secs (1363 Secs)			
						800 A	FLASH=YES;			[==>1363.0 Secs]		[1]	
							LIFETIME-POS=L P11;						
							BUFFER-TIME=12 000						
	3	(COS.sp.236 6176)	(7) J122245+360218	COS/FUV, TIME-TAG, PSA		G140L	FP-POS=4;			2500 Secs (2548 Secs)			
					800 A	FLASH=YES;			[==>2548.0 Secs]		[2]		
						LIFETIME-POS=L P11;							
						BUFFER-TIME=12 000							

Orbit 1

Server Version: 20260618



Orbit 2

Server Version: 20260618

