



16730 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Cycle: 29, Proposal Category: GO

(UV Initiative)

(Availability Mode: SUPPORTED)

INVESTIGATORS

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VISITS

Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
01	(1) M31-OB78-231 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	2	16-Aug-2022 16:00:36.0	yes
02	(1) M31-OB78-231 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	2	16-Aug-2022 16:00:38.0	yes
03	(2) M31-OB48-444 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	3	16-Aug-2022 16:00:40.0	yes
04	(2) M31-OB48-444 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	2	16-Aug-2022 16:00:42.0	yes
05	(2) M31-OB48-444 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	2	16-Aug-2022 16:00:43.0	yes

Proposal 16730 (STScI Edit Number: 3, Created: Tuesday, August 16, 2022 at 3:02:19 PM Eastern Standard Time) - Overview

Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
06	(3) PGC2304 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	2	16-Aug-2022 16:00:44.0	yes
07	(3) PGC2304 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	2	16-Aug-2022 16:00:46.0	yes
08	(3) PGC2304 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	3	16-Aug-2022 16:00:48.0	yes
09	(3) PGC2304 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	3	16-Aug-2022 16:00:50.0	yes
10	(3) PGC2304 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	2	16-Aug-2022 16:00:51.0	yes
11	(3) PGC2304 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	2	16-Aug-2022 16:00:53.0	yes
12	(3) PGC2304 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	2	16-Aug-2022 16:00:54.0	yes

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Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
A2	(3) PGC2304 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	2	16-Aug-2022 16:00:55.0	yes
13	(4) QSO-B0047+392 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	2	16-Aug-2022 16:00:56.0	yes
14	(4) QSO-B0047+392 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	2	16-Aug-2022 16:00:58.0	yes
15	(4) QSO-B0047+392 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	2	16-Aug-2022 16:00:59.0	yes
16	(4) QSO-B0047+392 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	2	16-Aug-2022 16:01:01.0	yes
17	(4) QSO-B0047+392 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	2	16-Aug-2022 16:01:02.0	yes
18	(4) QSO-B0047+392 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	2	16-Aug-2022 16:01:04.0	yes

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Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
19	(4) QSO-B0047+392 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	2	16-Aug-2022 16:01:05.0	yes
20	(5) IVZW29 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	2	16-Aug-2022 16:01:06.0	yes
21	(5) IVZW29 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	2	16-Aug-2022 16:01:08.0	yes
22	(5) IVZW29 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	3	16-Aug-2022 16:01:10.0	yes
23	(5) IVZW29 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	3	16-Aug-2022 16:01:12.0	yes
24	(5) IVZW29 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	2	16-Aug-2022 16:01:13.0	yes
25	(5) IVZW29 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	2	16-Aug-2022 16:01:15.0	yes

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Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
26	(5) IVZW29 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	2	16-Aug-2022 16:01:16.0	yes
27	(6) Q0043+4234 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	2	16-Aug-2022 16:01:17.0	yes
28	(6) Q0043+4234 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	2	16-Aug-2022 16:01:19.0	yes
29	(6) Q0043+4234 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	3	16-Aug-2022 16:01:20.0	yes
30	(6) Q0043+4234 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	3	16-Aug-2022 16:01:23.0	yes
31	(6) Q0043+4234 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	2	16-Aug-2022 16:01:24.0	yes
32	(6) Q0043+4234 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	2	16-Aug-2022 16:01:26.0	yes

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Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
33	(6) Q0043+4234 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	2	16-Aug-2022 16:01:27.0	yes
34	(7) Q0046+4220 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	2	16-Aug-2022 16:01:28.0	yes
35	(7) Q0046+4220 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	2	16-Aug-2022 16:01:30.0	yes
36	(7) Q0046+4220 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	3	16-Aug-2022 16:01:32.0	yes
37	(7) Q0046+4220 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	3	16-Aug-2022 16:01:34.0	yes
38	(7) Q0046+4220 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	2	16-Aug-2022 16:01:35.0	yes
39	(7) Q0046+4220 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	2	16-Aug-2022 16:01:37.0	yes

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Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
40	(7) Q0046+4220 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	2	16-Aug-2022 16:01:38.0	yes
41	(8) LAMOSTJ003432.52+391836.1 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	2	16-Aug-2022 16:01:39.0	yes
42	(8) LAMOSTJ003432.52+391836.1 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	2	16-Aug-2022 16:01:41.0	yes
43	(8) LAMOSTJ003432.52+391836.1 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	3	16-Aug-2022 16:01:43.0	yes
44	(8) LAMOSTJ003432.52+391836.1 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	2	16-Aug-2022 16:01:44.0	yes
45	(9) WISEAJ002827.05+380942.0 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	3	16-Aug-2022 16:01:46.0	yes
46	(9) WISEAJ002827.05+380942.0 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	2	16-Aug-2022 16:01:47.0	yes

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Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
47	(9) WISEAJ002827.05+380942.0 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	3	16-Aug-2022 16:01:49.0	yes
48	(9) WISEAJ002827.05+380942.0 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	2	16-Aug-2022 16:01:51.0	yes
49	(10) NPM1G+42.0011 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	2	16-Aug-2022 16:01:52.0	yes
50	(10) NPM1G+42.0011 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	2	16-Aug-2022 16:01:54.0	yes
51	(10) NPM1G+42.0011 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	2	16-Aug-2022 16:01:55.0	yes
52	(10) NPM1G+42.0011 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	2	16-Aug-2022 16:01:57.0	yes
53	(11) LAMOSTJ005846.82+365514.2 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	3	16-Aug-2022 16:01:58.0	yes

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Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
54	(11) LAMOSTJ005846.82+365514.2 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	2	16-Aug-2022 16:02:00.0	yes
55	(11) LAMOSTJ005846.82+365514.2 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	2	16-Aug-2022 16:02:01.0	yes
E3	(11) LAMOSTJ005846.82+365514.2 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	3	16-Aug-2022 16:02:03.0	yes
E4	(11) LAMOSTJ005846.82+365514.2 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	2	16-Aug-2022 16:02:05.0	yes
E5	(11) LAMOSTJ005846.82+365514.2 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	2	16-Aug-2022 16:02:06.0	yes
56	(12) PGC2077956 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	3	16-Aug-2022 16:02:08.0	yes
57	(12) PGC2077956 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	2	16-Aug-2022 16:02:10.0	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>
58	(12) PGC2077956 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	2	16-Aug-2022 16:02:11.0	yes
59	(13) MS01084+3859 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	3	16-Aug-2022 16:02:13.0	yes
62	(13) MS01084+3859 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	3	16-Aug-2022 16:02:15.0	yes
60	(13) MS01084+3859 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	2	16-Aug-2022 16:02:17.0	yes
61	(13) MS01084+3859 ANY	ACS/WFC COS/FUV COS/NUV WFC3/UVIS	2	16-Aug-2022 16:02:18.0	yes

149 Total Orbits Used

ABSTRACT

The circumgalactic medium (CGM) mediates a galaxy's accretion and feedback and may hold most of the metals it has ever produced. These findings derive from aggregating over ensembles of halos observed one galaxy at a time, and so they are limited in their ability to capture the rich density, temperature, and kinematic structure that simulations predict. Because its halo spans 30 degrees on the sky, Andromeda (M31) provides a unique opportunity to map the CGM of a single L^* galaxy with dozens of sightlines and to relate the gas mass, metallicity, and kinematics to its detailed stellar populations resolved by complementary surveys. We propose to map the inner M31 CGM within $0.25 R_{\text{vir}}$ using 11 new QSOs and 2 M31 O stars, a region too sparsely sampled to characterize the most complex and influential region for galaxy evolution. When combined with existing M31

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samples at larger radii, this unique program will enable compelling science goals: 1) to map ongoing accretion and feedback at the disk/halo interface, 2) to fully characterize the CGM from the disk to $2 R_{\text{vir}}$, 3) to complete the CGM metals census that constrains outflows from the disk, and 4) to test feedback predictions from the latest zoom-in simulations of galaxy formation. Our program will also trace M31's assembly history with deep parallel images of its stellar halo. This program will yield valuable new maps of the disk-halo connection, where CGM becomes ISM, in the only galaxy for which the effects of gas flows - such as chemical enrichment by specific feedback events - can be measured at this level of detail. Our study of M31 will be the most complete picture of a galaxy's baryon cycle for the foreseeable future.

OBSERVING DESCRIPTION

We are observing 11 QSOs in the M31 halo and 2 stars to study the gas content with COS as a function of radius and azimuth and 13 fields near these targets to determine the stellar populations with parallel ACS and WFC3 (simultaneously).

For the COS G130M and G160M, our minimum S/N~10-12 per resolution element near the key species (OI 1302, CII 1334, SiII 1190, 1193, 1523, SiIII 1206, SiIV 1393, 1402, CIV 1548, 1550). Both COS G130M and G160M gratings are required because CIV cannot be observed with a single grating setting with the other ions. CIV is the most important high ion to directly probe coronal gas; SiIV being a much less useful tracer of coronal gas. G160M will also give SiII 1523, AlII 1670, and FeII 1608. Our S/N is somewhat lower on average by 10%-15% compared to Phase I owing to have to reduce the number of exposures per visit (to improve the schedulability) and SAA restrictions. That small loss of sensitivity will not be detrimental to our science goals as we expect the absorption to be typically stronger owing to the locations of our targets closer to M31.

Following the COS guidelines, we set one central wavelength per grating, 2 FP-POS for G130M and 4 FP-POS for G160M. This will provide a near-UV complete spectrum, which will help with the line identifications.

All the 13 proposed targets are confirmed FUV bright QSOs and stars by GALEX or HST low UV resolution spectra. Using the online COS ETC, we estimated the exposure time required to reach S/N~11 near 1206 (SiIII) and 1555 (CIV) using the FUV GALEX magnitudes or UV fluxes when available.

For all the targets, we use ACQ/IMAGING Mirror A or B to acquire them. The two stars are in OB associations, but their coordinates are accurate as they were previously observed with HST STIS G140L with the 0.2x0.2 aperture. We note that the UV flux from ST STIS G140L 0.2x0.2 and FOS G130H 1" are about the same, suggesting no UV bright interloper.

In order to maximize schedulability, all the visits have been segmented to have been into 2-3 orbits. This will also maximize the chance to search for variable stars in the parallel observations.

According to the bright object tool in the APT, visits 06, 07, 08, 09, 10, 11, 12, 20, 21, 22, 23, 24, 25, 26, 43, 44, 49, 50, 51, 52, 54, 55, 57, 58, 60, and 61 have a health warning with the COS NUV imaging ACQ. The warning is triggered assuming the target is an O5V star. In each of these cases, the coordinates of the targets triggering the health issue warning are the QSOs in our sample for which the ETC COS NUV ACQ/IMAGING did not trigger based on the FUV magnitude from GALEX or UV flux from HST STIS or FOS. In all these cases (and other targets), the GALEX bright object summary came back also safe. Therefore our observations should not pose a bright limit threat to COS.

The parallel observations are constructed to maximize the field coverage of M31 around the COS sightlines. We use both WFC3 and ACS to simultaneously image two fields of the M31 halo. Each of the ACS and WFC3 observations will be obtained in the F606W and F814W filters so we can build CMDs and measure the stellar content of the M31 halo. We set the parallel observations so that the orientation is the same for all visits in a given target (taking the first visit listed in ATP as the reference).

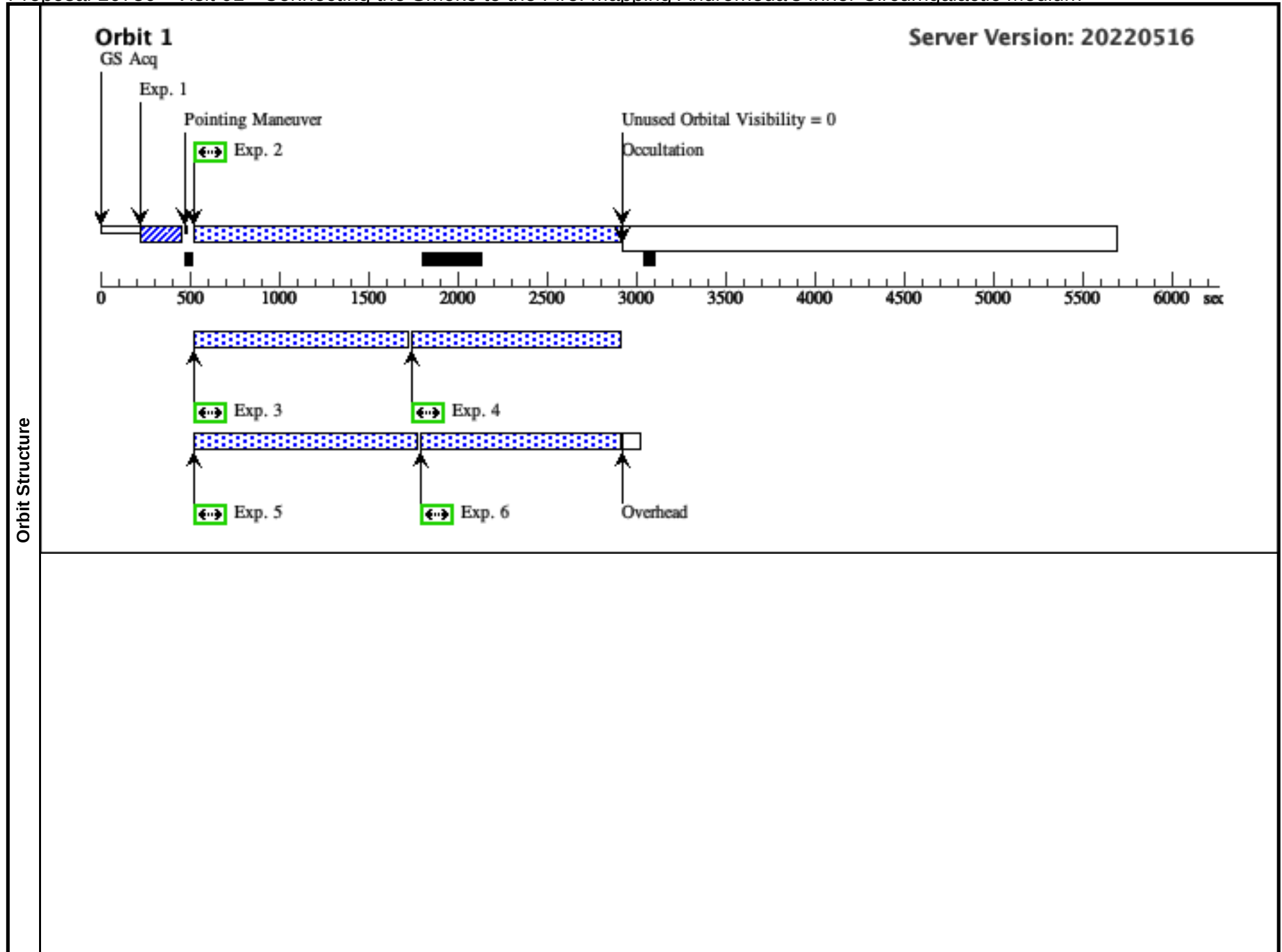
We have looked at the spectral types of the field stars of interest as a function of depth with the ACS and UVIS ETCs, and we found that for deeper pointings in the parallels, we will benefit from more F814W exposure time than F606W. To accommodate this exposure time weighting, we have dedicated some orbits entirely to F814W exposures, while keeping the default to one exposure in each band per orbit.

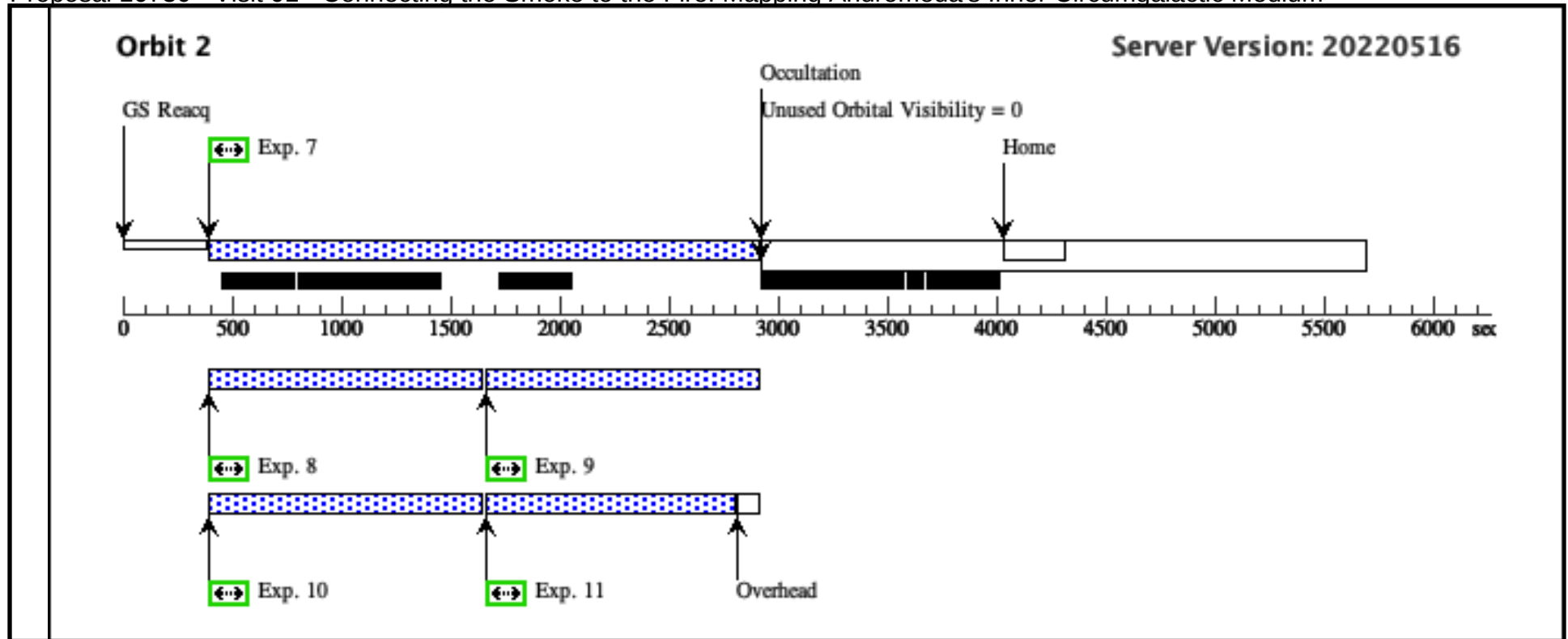
Proposal 16730 - Visit 01 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Visit	Proposal 16730, Visit 01, completed					Tue Aug 16 20:02:19 GMT 2022
	Diagnostic Status: Warning					
	Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%					
Diagnos	(Visit 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.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	M31-OB78-231	RA: 00 40 29.6750 (10.1236458d)		V=18.6	Reference Frame: ICRS
			Dec: +40 44 30.05 (40.74168d)		F(FUV) = 5E-15 cgs (FOS G130 H)	
			Equinox: J2000			
		Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC] Extended=NO				

Proposal 16730 - Visit 01 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(COS.ta.154 7040)	(1) M31-OB78-231	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				1.4 Secs (1.4 Secs)	
									[==>]	[1]
	Comments: NUV Flux = 1.5E-15 at 2200 A (FOS G270H, STIS G230L)									
	2	(COS.sp.152 6515)	(1) M31-OB78-231	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=40 56; FP-POS=3; SEGMENT=BOTH; FLASH=YES		Prime + Parallel Group 2-6 in Visit 01	1600 Secs (2219 Secs)	
									[==>2219.0 Secs]	[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 2-6 in Visit 01	750 Secs (995 Secs)	
									[==>995.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 2-6 in Visit 01	750 Secs (995 Secs)	
									[==>995.0 Secs]	[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 2-6 in Visit 01	900 Secs (1104 Secs)	
									[==>1104.0 Secs]	[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 2-6 in Visit 01	900 Secs (1104 Secs)	
									[==>1104.0 Secs]	[1]
	7	(COS.sp.152 6515)	(1) M31-OB78-231	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=40 56; FP-POS=4; SEGMENT=BOTH; FLASH=YES		Prime + Parallel Group 7-11 in Visit 01	2782 Secs (2470 Secs)	
									[==>2470.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Visit 01	750 Secs (1075 Secs)	
									[==>1075.0 Secs]	[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 7-11 in Visit 01	750 Secs (1075 Secs)	
									[==>1075.0 Secs]	[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Visit 01	900 Secs (1117 Secs)	
									[==>1117.0 Secs]	[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 7-11 in Visit 01	900 Secs (1117 Secs)	
									[==>1117.0 Secs]	[2]





Proposal 16730 - Visit 02 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Visit	Proposal 16730, Visit 02, completed Diagnostic Status: Error Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV Special Requirements: SCHED 100%; SAME ORIENT AS 01	Tue Aug 16 20:02:19 GMT 2022
Diagnostics	(Primary Exposure 2 (Prime + Parallel Group 2-4 in Visit 02)) Error (Form): Illegal selection: G160M. (Primary Exposure 2 (Prime + Parallel Group 2-4 in Visit 02)) Error (Form): Illegal selection: PSA. (Primary Exposure 2 (Prime + Parallel Group 2-4 in Visit 02)) 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). (Primary Exposure 2 (Prime + Parallel Group 2-4 in Visit 02)) 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). (Primary Exposure 2 (Prime + Parallel Group 2-4 in Visit 02)) 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). (Primary Exposure 2 (Prime + Parallel Group 2-4 in Visit 02)) Error (Form): YES is not a valid selection (Primary Exposure 2 (Prime + Parallel Group 2-4 in Visit 02)) Error (Form): YES is not a valid selection (Primary Exposure 5 (Prime + Parallel Group 5-7 in Visit 02)) Error (Form): Illegal selection: G160M. (Primary Exposure 5 (Prime + Parallel Group 5-7 in Visit 02)) Error (Form): Illegal selection: PSA. (Primary Exposure 5 (Prime + Parallel Group 5-7 in Visit 02)) 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). (Primary Exposure 5 (Prime + Parallel Group 5-7 in Visit 02)) 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). (Primary Exposure 5 (Prime + Parallel Group 5-7 in Visit 02)) 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). (Primary Exposure 5 (Prime + Parallel Group 5-7 in Visit 02)) Error (Form): YES is not a valid selection (Primary Exposure 5 (Prime + Parallel Group 5-7 in Visit 02)) Error (Form): YES is not a valid selection (Primary Exposure 8 (Prime + Parallel Group 8-10 in Visit 02)) Error (Form): Illegal selection: G160M. (Primary Exposure 8 (Prime + Parallel Group 8-10 in Visit 02)) Error (Form): Illegal selection: PSA. (Primary Exposure 8 (Prime + Parallel Group 8-10 in Visit 02)) 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). (Primary Exposure 8 (Prime + Parallel Group 8-10 in Visit 02)) 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). (Primary Exposure 8 (Prime + Parallel Group 8-10 in Visit 02)) 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). (Primary Exposure 8 (Prime + Parallel Group 8-10 in Visit 02)) Error (Form): YES is not a valid selection (Primary Exposure 8 (Prime + Parallel Group 8-10 in Visit 02)) Error (Form): YES is not a valid selection (Primary Exposure 11 (Prime + Parallel Group 11-13 in Visit 02)) Error (Form): Illegal selection: G160M. (Primary Exposure 11 (Prime + Parallel Group 11-13 in Visit 02)) Error (Form): Illegal selection: PSA. (Primary Exposure 11 (Prime + Parallel Group 11-13 in Visit 02)) 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). (Primary Exposure 11 (Prime + Parallel Group 11-13 in Visit 02)) 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). (Primary Exposure 11 (Prime + Parallel Group 11-13 in Visit 02)) 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). (Primary Exposure 11 (Prime + Parallel Group 11-13 in Visit 02)) Error (Form): YES is not a valid selection (Primary Exposure 11 (Prime + Parallel Group 11-13 in Visit 02)) Error (Form): YES is not a valid selection	

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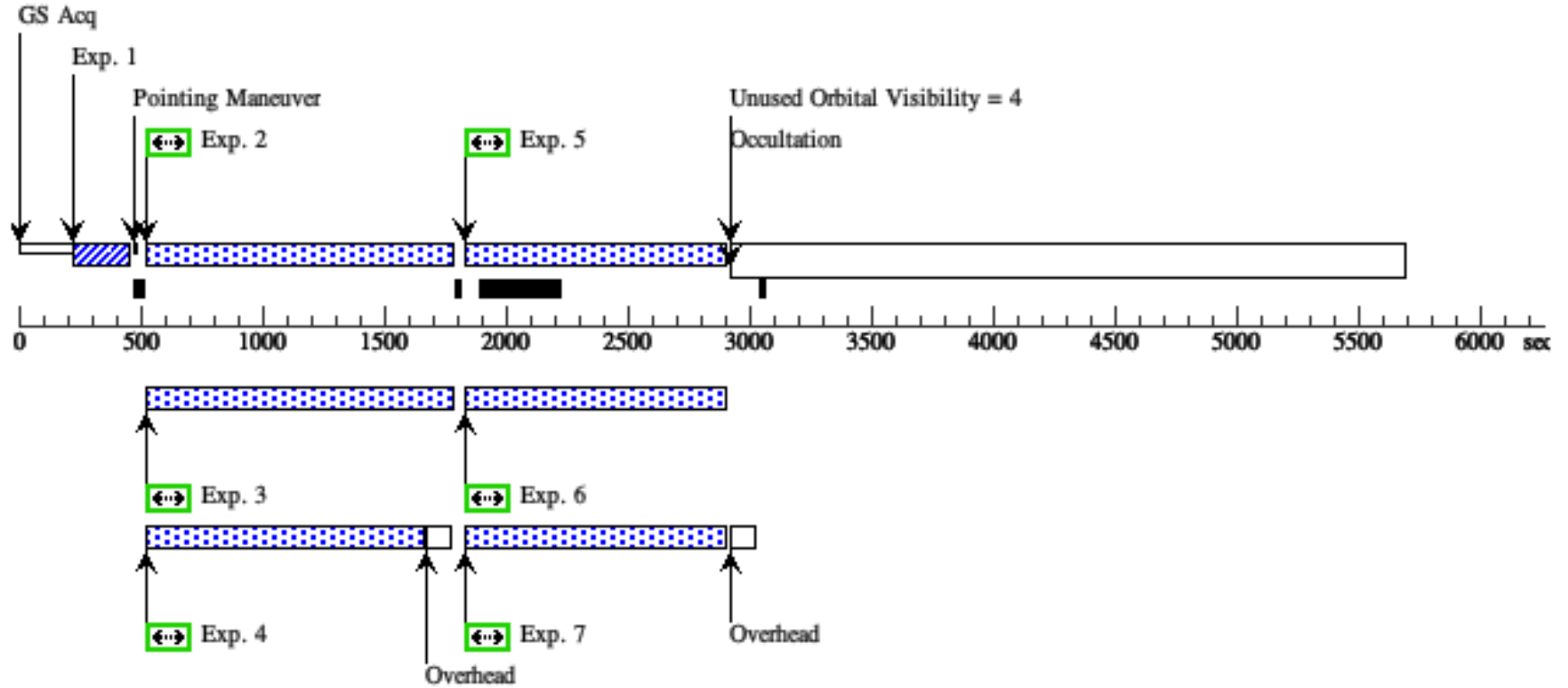
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	M31-OB78-231	RA: 00 40 29.6750 (10.1236458d) Dec: +40 44 30.05 (40.74168d) Equinox: J2000		V=18.6 F(FUV) = 5E-15 cgs (FOS G130 H)	Reference Frame: ICRS
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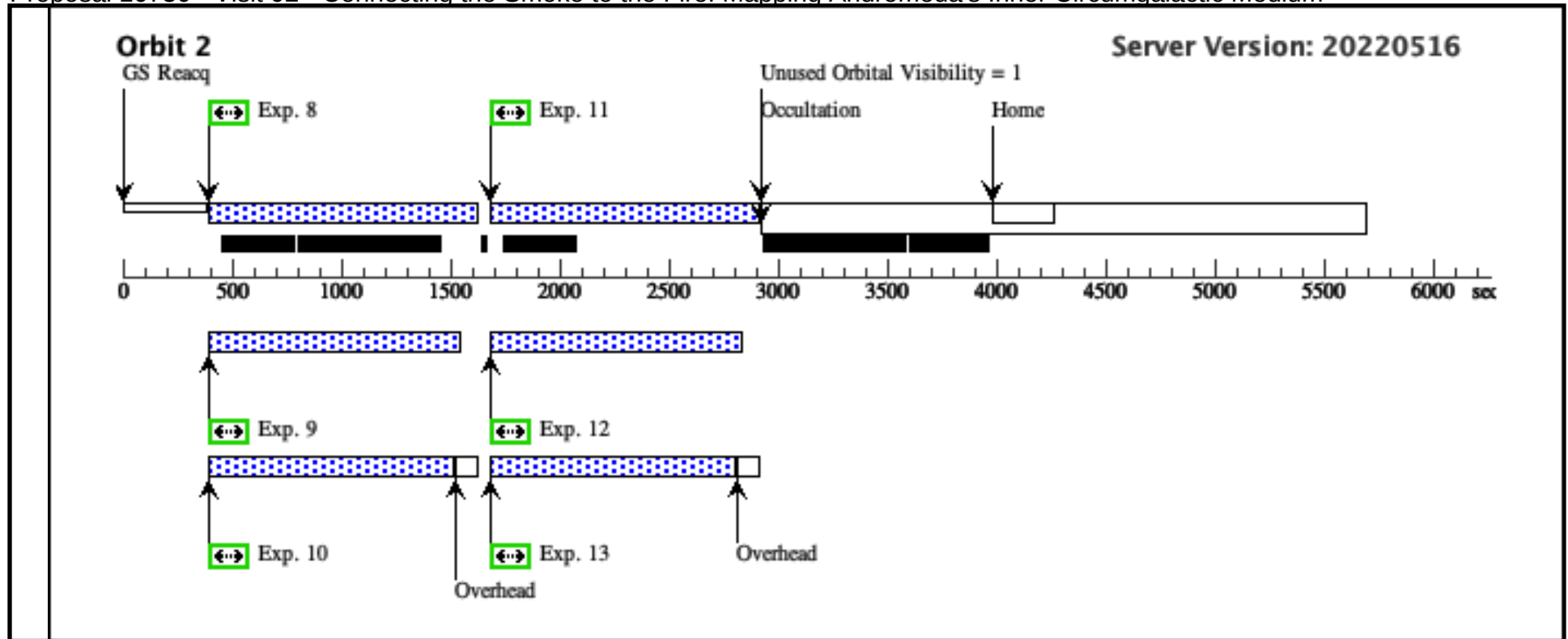
Proposal 16730 - Visit 02 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(COS.ta.154 7040)	(1) M31-OB78-231	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				1.4 Secs (1.4 Secs)		
									[==>]		[1]
	2	(COS.sp.152 6538)	(1) M31-OB78-231	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=11 439; FP-POS=1; SEGMENT=BOTH; FLASH=YES		Prime + Parallel Group 2-4 in Visit 02	980 Secs (1046 Secs)		
									[==>1046.0 Secs]		[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 2-4 in Visit 02	950 Secs (1052 Secs)		
									[==>1052.0 Secs]		[1]
	4		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 2-4 in Visit 02	950 Secs (1106 Secs)		
									[==>1106.0 Secs]		[1]
	5	(COS.sp.152 6538)	(1) M31-OB78-231	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=11 439; FP-POS=2; SEGMENT=BOTH; FLASH=YES		Prime + Parallel Group 5-7 in Visit 02	956 Secs (1022 Secs)		
									[==>1022.0 Secs]		[1]
	6		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 5-7 in Visit 02	950 Secs (896 Secs)		
									[==>896.0 Secs]		[1]
	7		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 5-7 in Visit 02	950 Secs (1054 Secs)		
									[==>1054.0 Secs]		[1]
	8	(COS.sp.152 6538)	(1) M31-OB78-231	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=11 439; FP-POS=3; SEGMENT=BOTH; FLASH=YES		Prime + Parallel Group 8-10 in Visit 02	1100 Secs (1180 Secs)		
									[==>1180.0 Secs]		[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 8-10 in Visit 02	1100 Secs (974 Secs)		
									[==>974.0 Secs]		[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 8-10 in Visit 02	1100 Secs (1100 Secs)		
									[==>1100.0 Secs]		[2]
	11	(COS.sp.152 6538)	(1) M31-OB78-231	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=11 439; FP-POS=4; SEGMENT=BOTH; FLASH=YES		Prime + Parallel Group 11-13 in Visit 02	1100 Secs (1180 Secs)		
									[==>1180.0 Secs]		[2]
	12		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 11-13 in Visit 02	1100 Secs (974 Secs)		
									[==>974.0 Secs]		[2]
	13		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 11-13 in Visit 02	1100 Secs (1100 Secs)		
									[==>1100.0 Secs]		[2]

Orbit 1

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Proposal 16730 - Visit 03 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

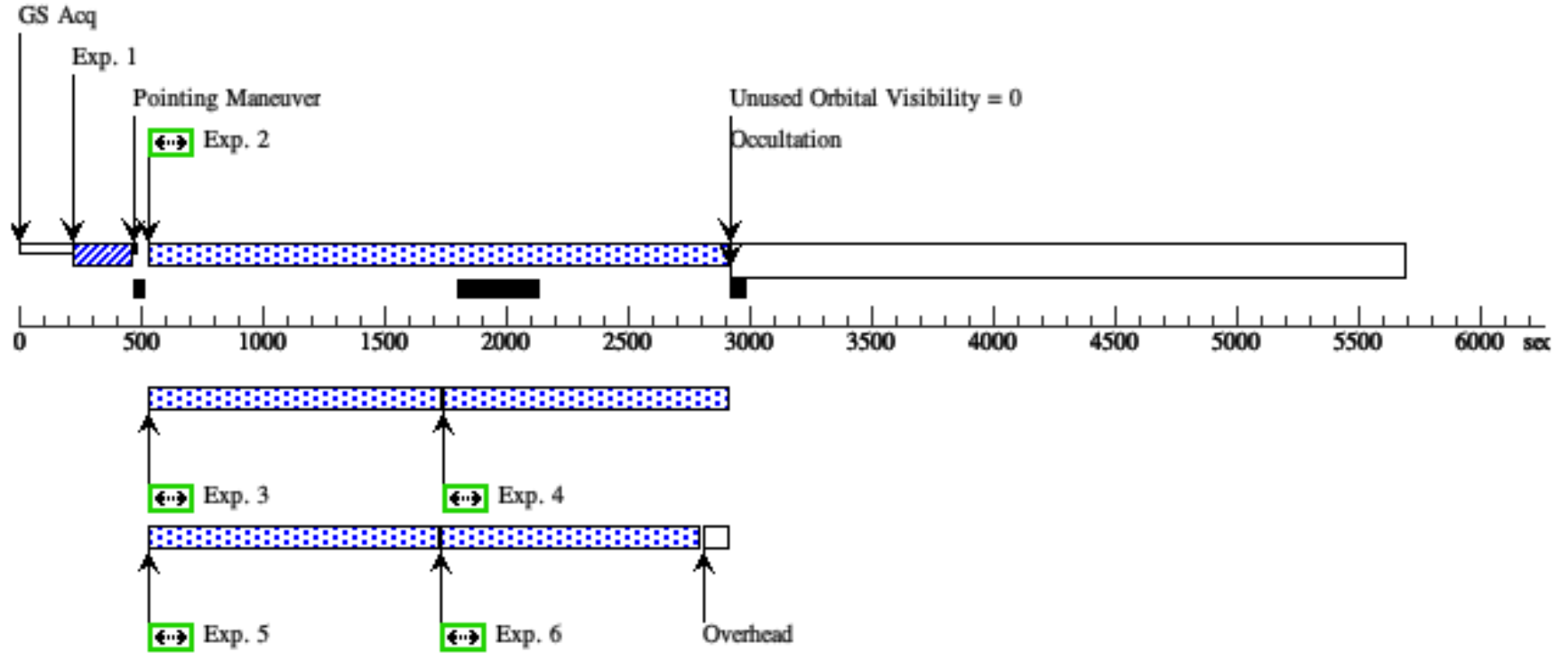
Visit	Proposal 16730, Visit 03, completed					Tue Aug 16 20:02:19 GMT 2022
	Diagnostic Status: Warning					
	Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%					
Diagnosics	(Visit 03) Warning (Form): For the best data quality, it is generally required 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.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(2)	M31-OB48-444	RA: 00 45 15.2700 (11.3136250d)		V=19.1	Reference Frame: ICRS
			Dec: +41 37 47.90 (41.62997d)		F(FUV) =2.5E-15 cgs (FOS G130H)	
			Equinox: J2000			
		Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC] Extended=NO				

Proposal 16730 - Visit 03 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(COS.ta.154 3356)	(2) M31-OB48-444	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				3.4 Secs (3.4 Secs) [==>]	[1]
	Comments: NUV flux = 0.6e-15 cgs at 2200 A (FOS G270H, STIS G230L)									
	2	(COS.sp.152 6514)	(2) M31-OB48-444	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=45 91; FP-POS=3; SEGMENT=BOTH; FLASH=YES		Prime + Parallel Group 2-6 in Visit 03	1330 Secs (2215 Secs) [==>2215.0 Secs]	[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 2-6 in Visit 03	750 Secs (993 Secs) [==>993.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 2-6 in Visit 03	750 Secs (993 Secs) [==>993.0 Secs]	[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 2-6 in Visit 03	900 Secs (1044 Secs) [==>1044.0 Secs]	[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 2-6 in Visit 03	900 Secs (1044 Secs) [==>1044.0 Secs]	[1]
	7	(COS.sp.152 6514)	(2) M31-OB48-444	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=45 91; FP-POS=4; SEGMENT=BOTH; FLASH=YES		Prime + Parallel Group 7-11 in Visit 03	2782 Secs (2470 Secs) [==>2470.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Visit 03	750 Secs (1075 Secs) [==>1075.0 Secs]	[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 7-11 in Visit 03	750 Secs (1075 Secs) [==>1075.0 Secs]	[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Visit 03	900 Secs (1117 Secs) [==>1117.0 Secs]	[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 7-11 in Visit 03	900 Secs (1117 Secs) [==>1117.0 Secs]	[2]
	12	(COS.sp.152 6514)	(2) M31-OB48-444	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=45 91; SEGMENT=BOTH; FLASH=YES; FP-POS=4		Prime + Parallel Group 12-16 in Visit 03	2782 Secs (2473 Secs) [==>2473.0 Secs]	[3]
	13		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 12-16 in Visit 03	750 Secs (1075 Secs) [==>1075.0 Secs]	[3]
	14		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 12-16 in Visit 03	750 Secs (1075 Secs) [==>1075.0 Secs]	[3]
	15		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 12-16 in Visit 03	900 Secs (1117 Secs) [==>1117.0 Secs]	[3]
	16		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 12-16 in Visit 03	900 Secs (1117 Secs) [==>1117.0 Secs]	[3]

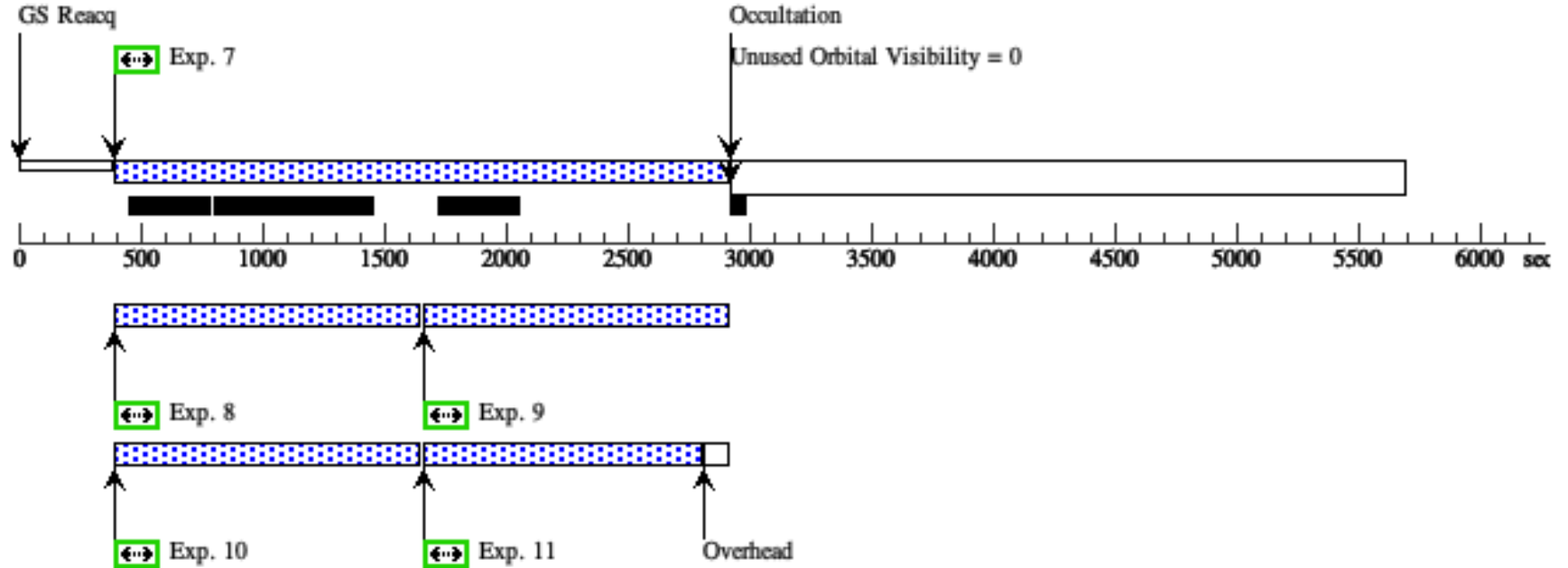
Orbit 1

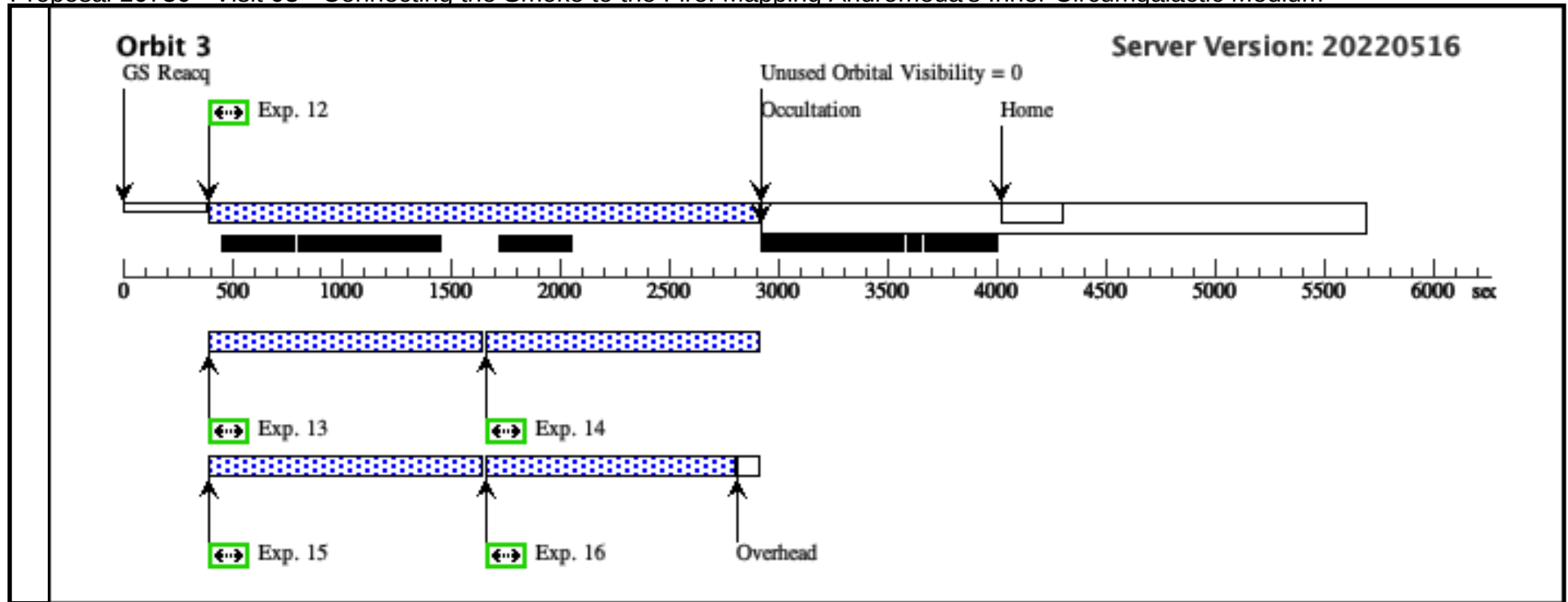
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Orbit 2

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Proposal 16730 - Visit 04 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

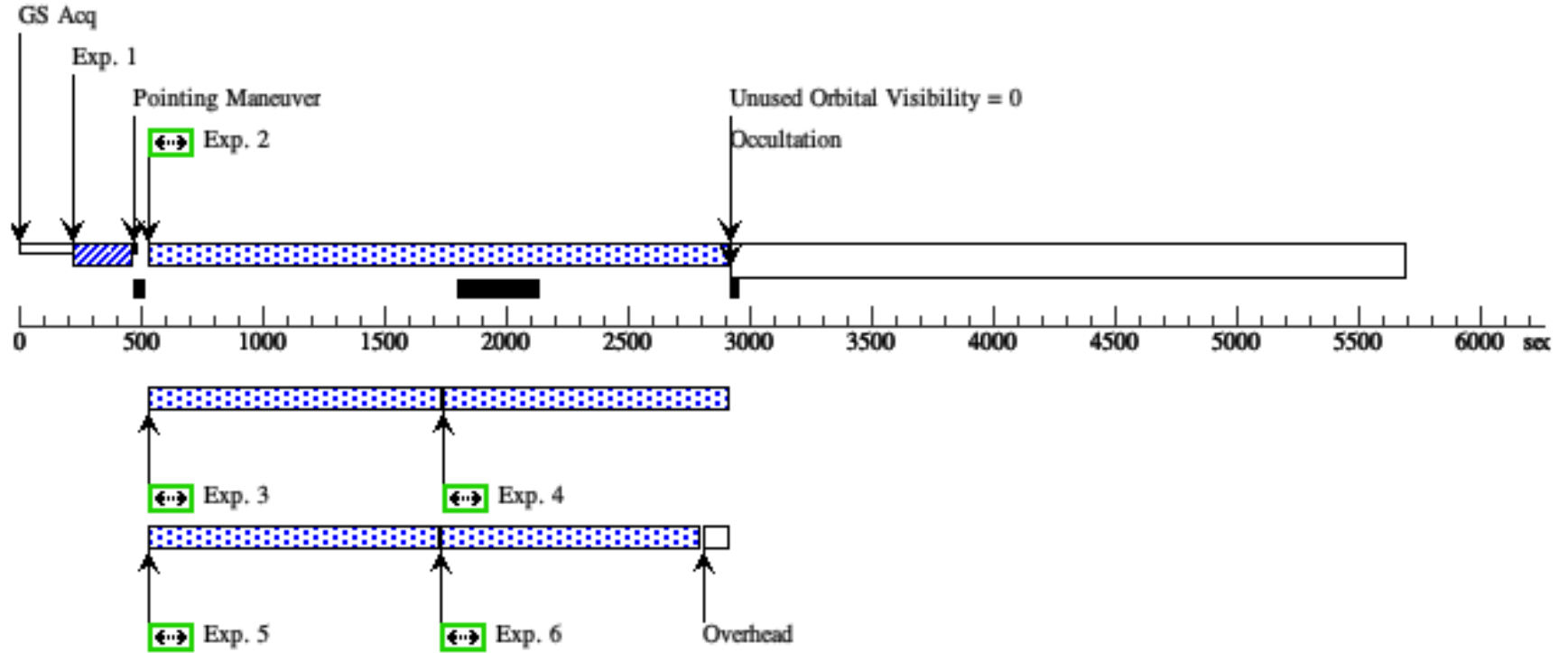
Visit	Proposal 16730, Visit 04, completed					Tue Aug 16 20:02:19 GMT 2022
	Diagnostic Status: Error					
	Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%; SAME ORIENT AS 03					
Diagnostics	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 04)) Error (Form): Illegal selection: G160M.					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 04)) Error (Form): Illegal selection: PSA.					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 04)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 04)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 04)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 04)) Error (Form): YES is not a valid selection					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 04)) Error (Form): YES is not a valid selection					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 04)) Error (Form): Illegal selection: G160M.					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 04)) Error (Form): Illegal selection: PSA.					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 04)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 04)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 04)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 04)) Error (Form): YES is not a valid selection					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 04)) Error (Form): YES is not a valid selection					
	(Visit 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.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(2)	M31-OB48-444	RA: 00 45 15.2700 (11.3136250d) Dec: +41 37 47.90 (41.62997d) Equinox: J2000		V=19.1 F(FUV) =2.5E-15 cgs (FOS G13 0H)	Reference Frame: ICRS
Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC] Extended=NO						

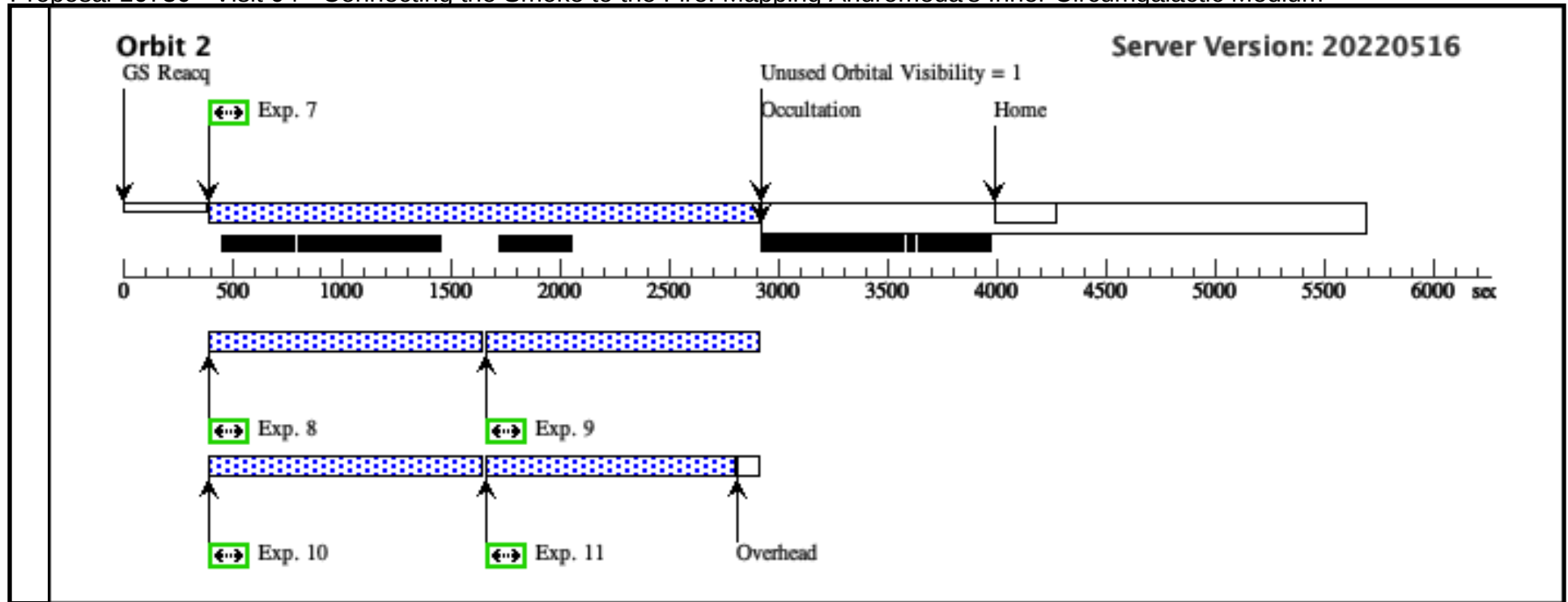
Proposal 16730 - Visit 04 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(COS.ta.154 3356)	(2) M31-OB48-444	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				3.4 Secs (3.4 Secs)	
									[==>]	[1]
	2	(COS.sp.152 6537)	(2) M31-OB48-444	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=14 303; FP-POS=1; SEGMENT=BOTH; FLASH=YES		Prime + Parallel Group 2-6 in Visit 04	2300 Secs (2173 Secs)	
									[==>2173.0 Secs]	[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 2-6 in Visit 04	750 Secs (993 Secs)	
									[==>993.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 2-6 in Visit 04	750 Secs (993 Secs)	
									[==>993.0 Secs]	[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 2-6 in Visit 04	900 Secs (1044 Secs)	
									[==>1044.0 Secs]	[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 2-6 in Visit 04	900 Secs (1044 Secs)	
									[==>1044.0 Secs]	[1]
	7	(COS.sp.152 6537)	(2) M31-OB48-444	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=14 303; FP-POS=2; SEGMENT=BOTH; FLASH=YES		Prime + Parallel Group 7-11 in Visit 04	2469 Secs (2469 Secs)	
									[==>]	[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Visit 04	750 Secs (1075 Secs)	
									[==>1075.0 Secs]	[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 7-11 in Visit 04	750 Secs (1075 Secs)	
									[==>1075.0 Secs]	[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Visit 04	900 Secs (1117 Secs)	
									[==>1117.0 Secs]	[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 7-11 in Visit 04	900 Secs (1117 Secs)	
									[==>1117.0 Secs]	[2]

Orbit 1

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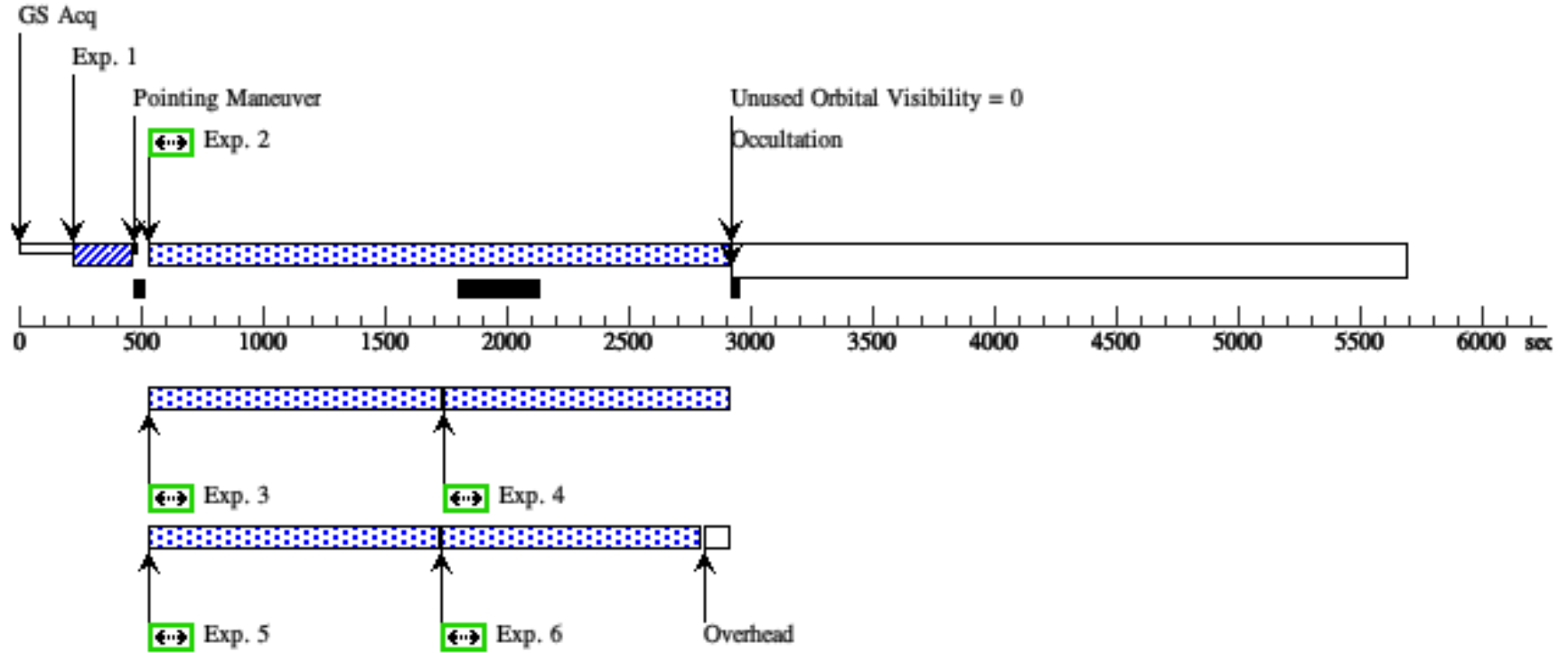
Visit	Proposal 16730, Visit 05, completed				Tue Aug 16 20:02:19 GMT 2022	
	Diagnostic Status: Error					
Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV						
Special Requirements: SCHED 100%; SAME ORIENT AS 03						
Diagnostics	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 05)) Error (Form): Illegal selection: G160M.					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 05)) Error (Form): Illegal selection: PSA.					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 05)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 05)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 05)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 05)) Error (Form): YES is not a valid selection					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 05)) Error (Form): YES is not a valid selection					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 05)) Error (Form): Illegal selection: G160M.					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 05)) Error (Form): Illegal selection: PSA.					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 05)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 05)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 05)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 05)) Error (Form): YES is not a valid selection					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 05)) Error (Form): YES is not a valid selection					
	(Visit 05) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions when observing at a given COS cenwave. See the COS Instrument Handbook for exceptions that may apply to observations with G130M/1291 or G160M.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(2)	M31-OB48-444	RA: 00 45 15.2700 (11.3136250d) Dec: +41 37 47.90 (41.62997d) Equinox: J2000		V=19.1 F(FUV) =2.5E-15 cgs (FOS G13 0H)	Reference Frame: ICRS
Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC] Extended=NO						

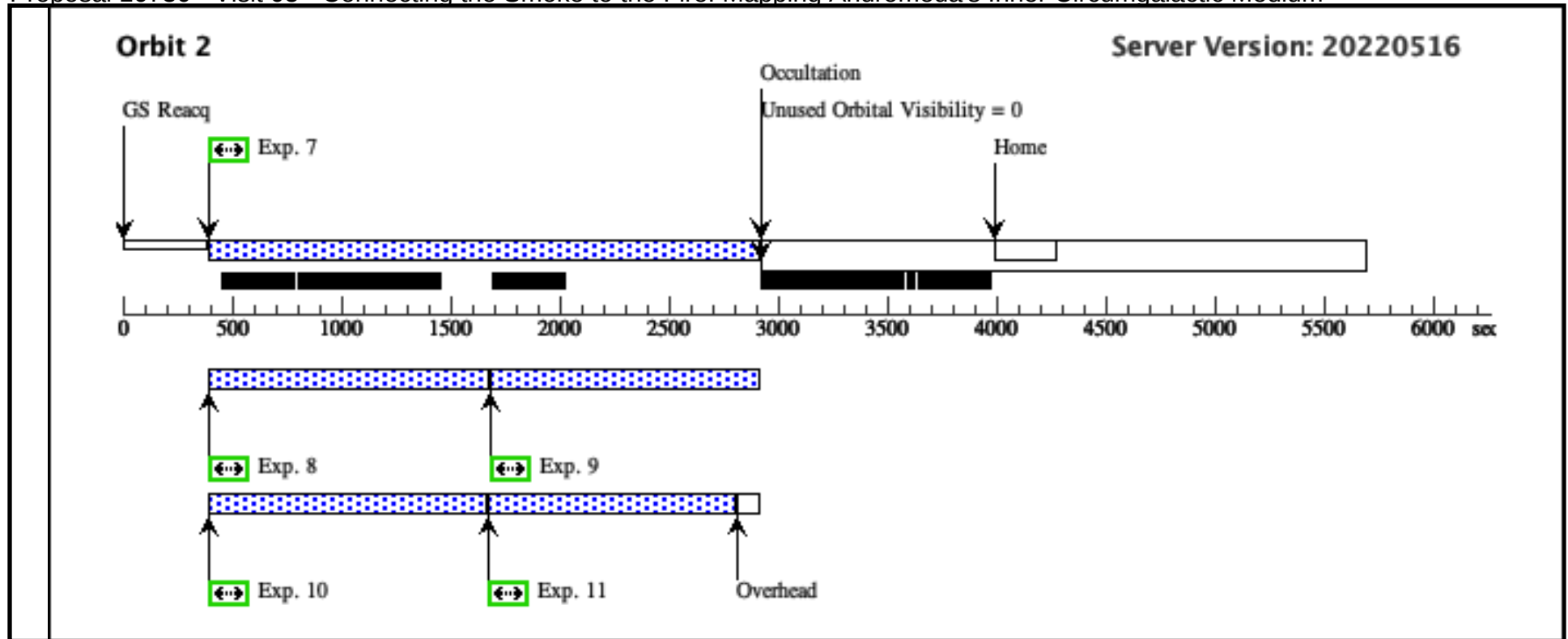
Proposal 16730 - Visit 05 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(COS.ta.154 3356)	(2) M31-OB48-444	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				3.4 Secs (3.4 Secs)	
									[==>]	[1]
	2	(COS.sp.152 6537)	(2) M31-OB48-444	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=14 303; SEGMENT=BOTH; FLASH=YES; FP-POS=3		Prime + Parallel Group 2-6 in Visit 05	2100 Secs (2173 Secs)	
									[==>2173.0 Secs]	[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 2-6 in Visit 05	750 Secs (993 Secs)	
									[==>993.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 2-6 in Visit 05	750 Secs (993 Secs)	
									[==>993.0 Secs]	[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 2-6 in Visit 05	900 Secs (1044 Secs)	
									[==>1044.0 Secs]	[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 2-6 in Visit 05	900 Secs (1044 Secs)	
									[==>1044.0 Secs]	[1]
	7	(COS.sp.152 6537)	(2) M31-OB48-444	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=14 303; SEGMENT=BOTH; FLASH=YES; FP-POS=4		Prime + Parallel Group 7-11 in Visit 05	2400 Secs (2470 Secs)	
									[==>2470.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Visit 05	750 Secs (1103 Secs)	
									[==>1103.0 Secs]	[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Visit 05	750 Secs (1103 Secs)	
									[==>1103.0 Secs]	[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Visit 05	900 Secs (1129 Secs)	
									[==>1129.0 Secs]	[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Visit 05	900 Secs (1129 Secs)	
									[==>1129.0 Secs]	[2]

Orbit 1

Server Version: 20220516





Proposal 16730 - Visit 06 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

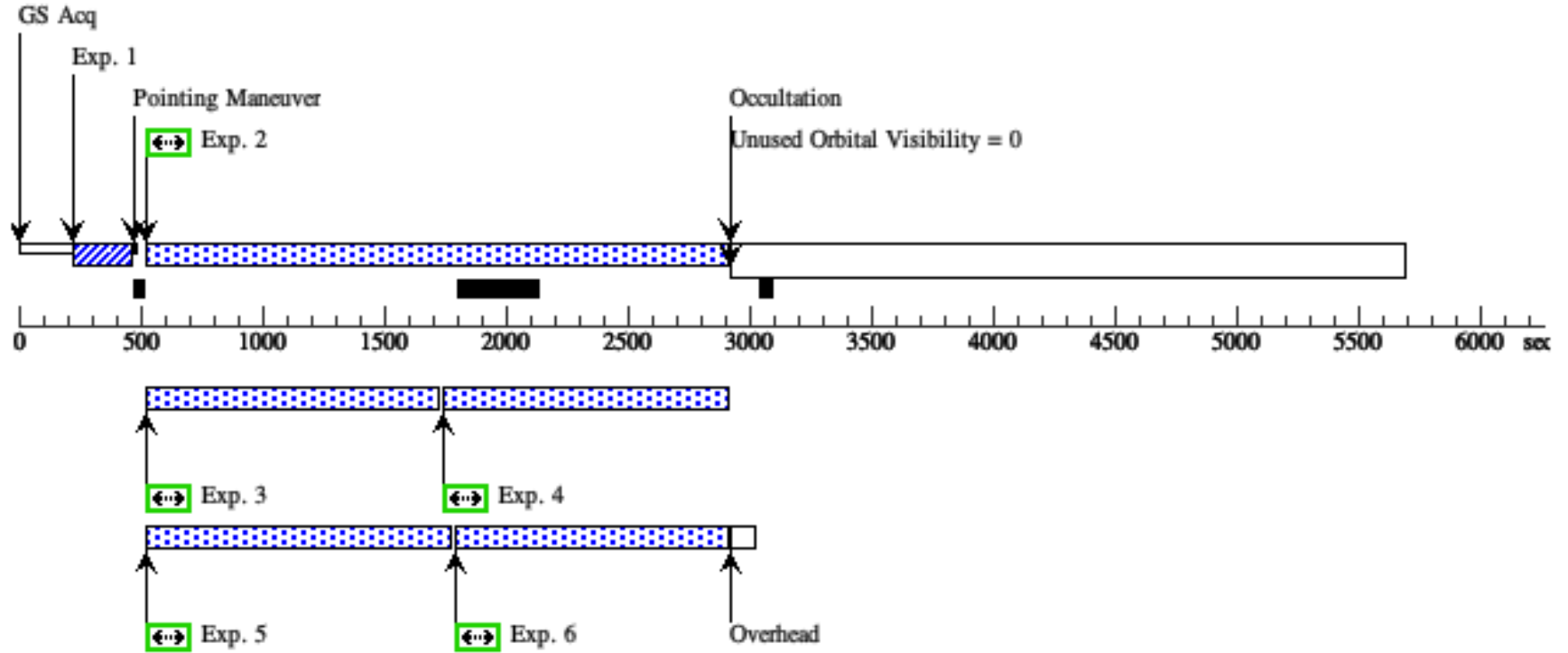
Visit	Proposal 16730, Visit 06, completed					Tue Aug 16 20:02:19 GMT 2022
	Diagnostic Status: Warning					
	Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%					
Diagnosics	(Visit 06) Warning (Form): For the best data quality, it is generally required 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.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(3)	PGC2304	RA: 00 38 33.1536 (9.6381400d)		V=17.3	Reference Frame: ICRS
			Dec: +41 28 50.41 (41.48067d)		GALEX FUV=18.96 (FUV) = 1.	
			Equinox: J2000		0E-15 cgs (GHRS G140L)	
	Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC] Extended=NO					

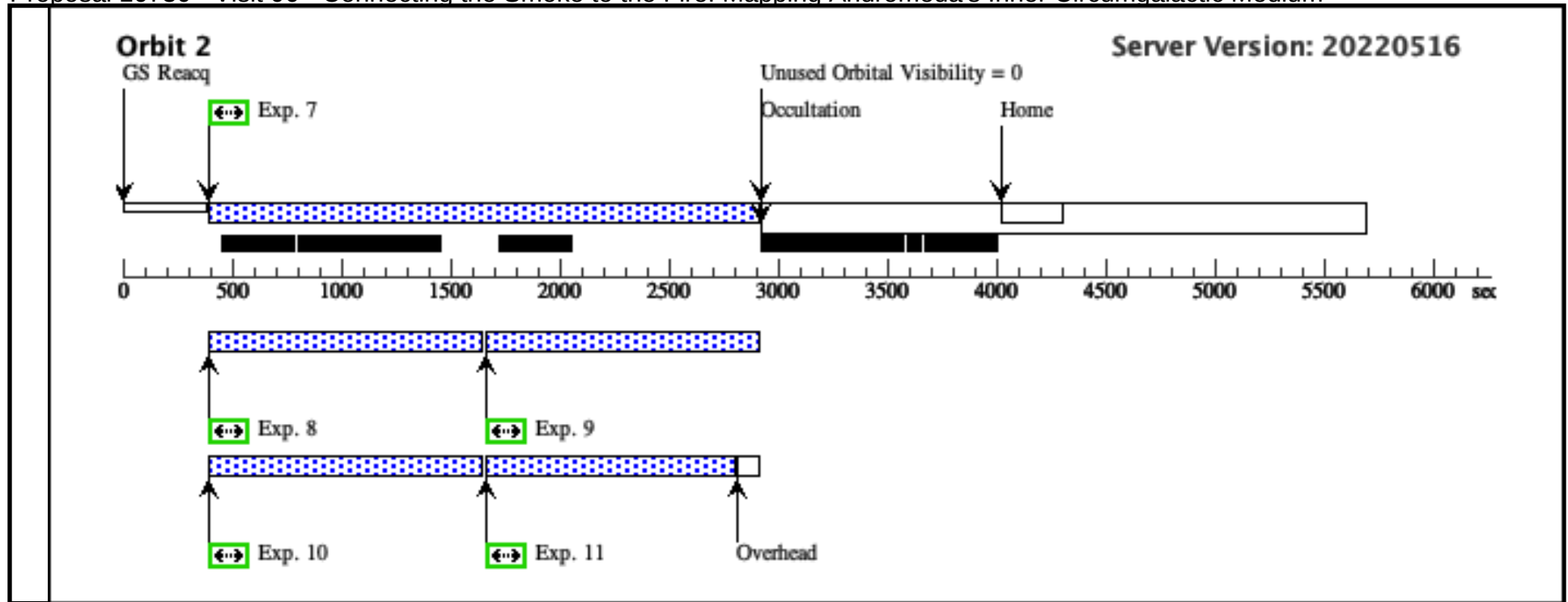
Proposal 16730 - Visit 06 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(COS.ta.154 3342)	(3) PGC2304	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				2.5 Secs (2.5 Secs)	
									[==>]	[1]
	2	(COS.sp.152 6523)	(3) PGC2304	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=52 87; FP-POS=3; SEGMENT=BOTH; FLASH=YES		Prime + Parallel Group 2-6 in Visit 06	2400 Secs (2217 Secs)	
									[==>2217.0 Secs]	[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 2-6 in Visit 06	750 Secs (994 Secs)	
									[==>994.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 2-6 in Visit 06	750 Secs (994 Secs)	
									[==>994.0 Secs]	[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 2-6 in Visit 06	900 Secs (1103 Secs)	
									[==>1103.0 Secs]	[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 2-6 in Visit 06	900 Secs (1103 Secs)	
									[==>1103.0 Secs]	[1]
	7	(COS.sp.152 6523)	(3) PGC2304	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=52 87; SEGMENT=BOTH; FLASH=YES; FP-POS=3		Prime + Parallel Group 7-11 in Visit 06	2400 Secs (2473 Secs)	
									[==>2473.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Visit 06	750 Secs (1075 Secs)	
									[==>1075.0 Secs]	[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 7-11 in Visit 06	750 Secs (1075 Secs)	
									[==>1075.0 Secs]	[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Visit 06	900 Secs (1117 Secs)	
									[==>1117.0 Secs]	[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 7-11 in Visit 06	900 Secs (1117 Secs)	
									[==>1117.0 Secs]	[2]

Orbit 1

Server Version: 20220516



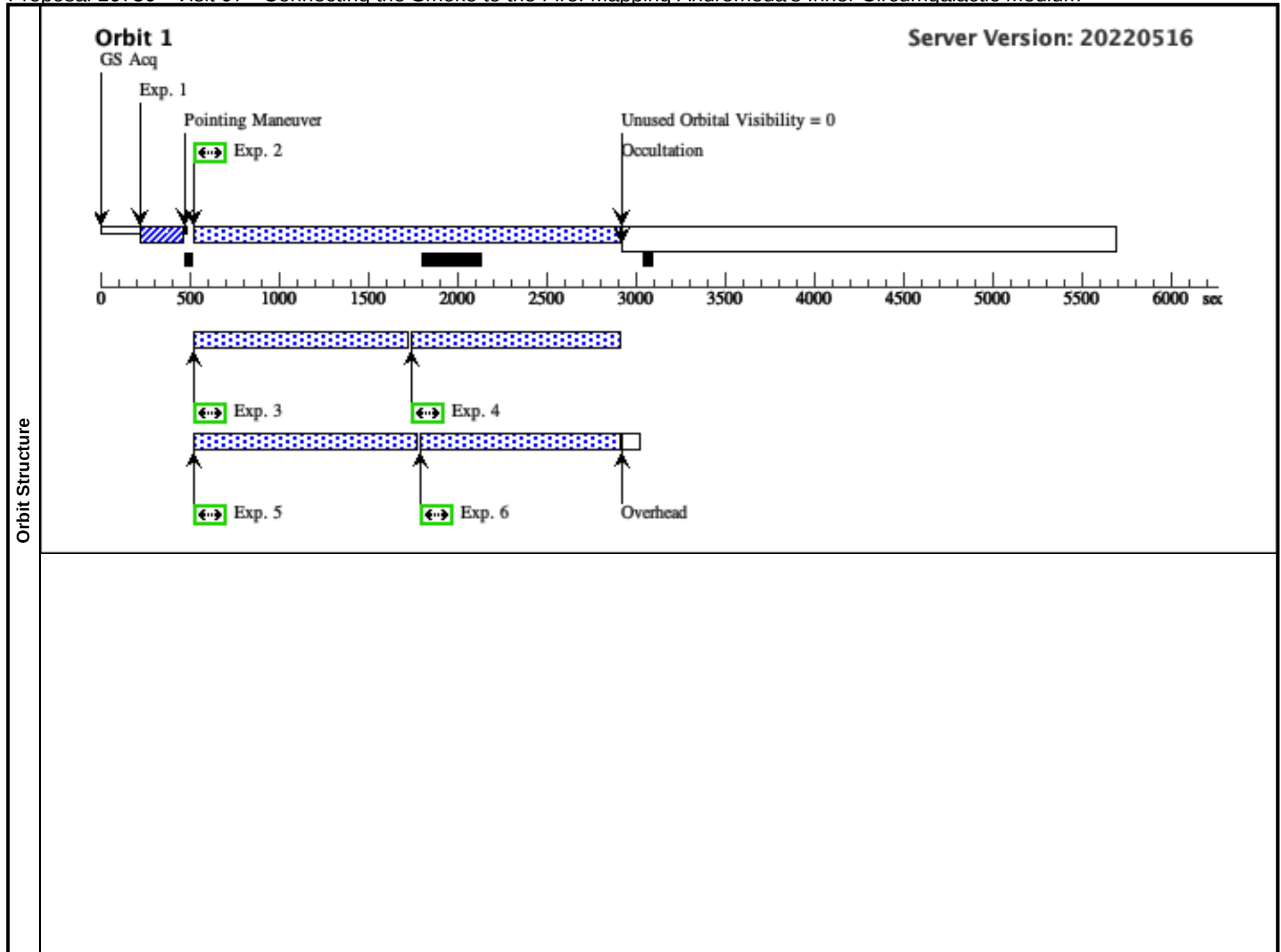


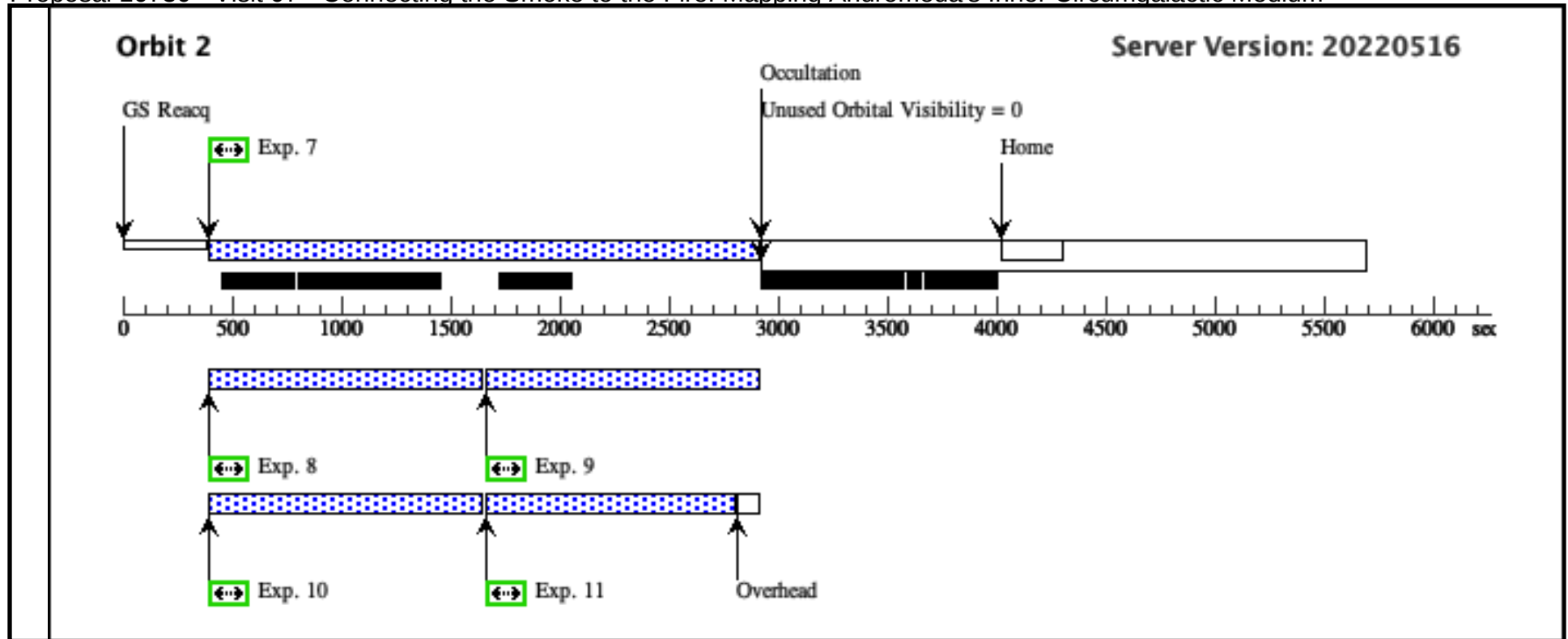
Proposal 16730 - Visit 07 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Visit	Proposal 16730, Visit 07, completed					Tue Aug 16 20:02:20 GMT 2022
	Diagnostic Status: Warning					
	Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%; SAME ORIENT AS 06					
Diagnosics	(Visit 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.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(3)	PGC2304	RA: 00 38 33.1536 (9.6381400d)		V=17.3	Reference Frame: ICRS
			Dec: +41 28 50.41 (41.48067d)		GALEX FUV=18.96 (FUV) = 1.	
			Equinox: J2000		0E-15 cgs (GHRS G140L)	
	Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC] Extended=NO					

Proposal 16730 - Visit 07 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(COS.ta.154 3342)	(3) PGC2304	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				2.5 Secs (2.5 Secs)	
									[==>]	[1]
	2	(COS.sp.152 6523)	(3) PGC2304	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=52 87; FP-POS=3; SEGMENT=BOTH; FLASH=YES		Prime + Parallel Group 2-6 in Visit 07	2300 Secs (2217 Secs)	
									[==>2217.0 Secs]	[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 2-6 in Visit 07	750 Secs (994 Secs)	
									[==>994.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 2-6 in Visit 07	750 Secs (994 Secs)	
									[==>994.0 Secs]	[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 2-6 in Visit 07	900 Secs (1103 Secs)	
									[==>1103.0 Secs]	[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 2-6 in Visit 07	900 Secs (1103 Secs)	
									[==>1103.0 Secs]	[1]
	7	(COS.sp.152 6523)	(3) PGC2304	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=52 87; FP-POS=4; SEGMENT=BOTH; FLASH=YES		Prime + Parallel Group 7-11 in Visit 07	2470 Secs (2470 Secs)	
									[==>]	[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Visit 07	750 Secs (1075 Secs)	
									[==>1075.0 Secs]	[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 7-11 in Visit 07	750 Secs (1075 Secs)	
									[==>1075.0 Secs]	[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Visit 07	900 Secs (1117 Secs)	
									[==>1117.0 Secs]	[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 7-11 in Visit 07	900 Secs (1117 Secs)	
									[==>1117.0 Secs]	[2]



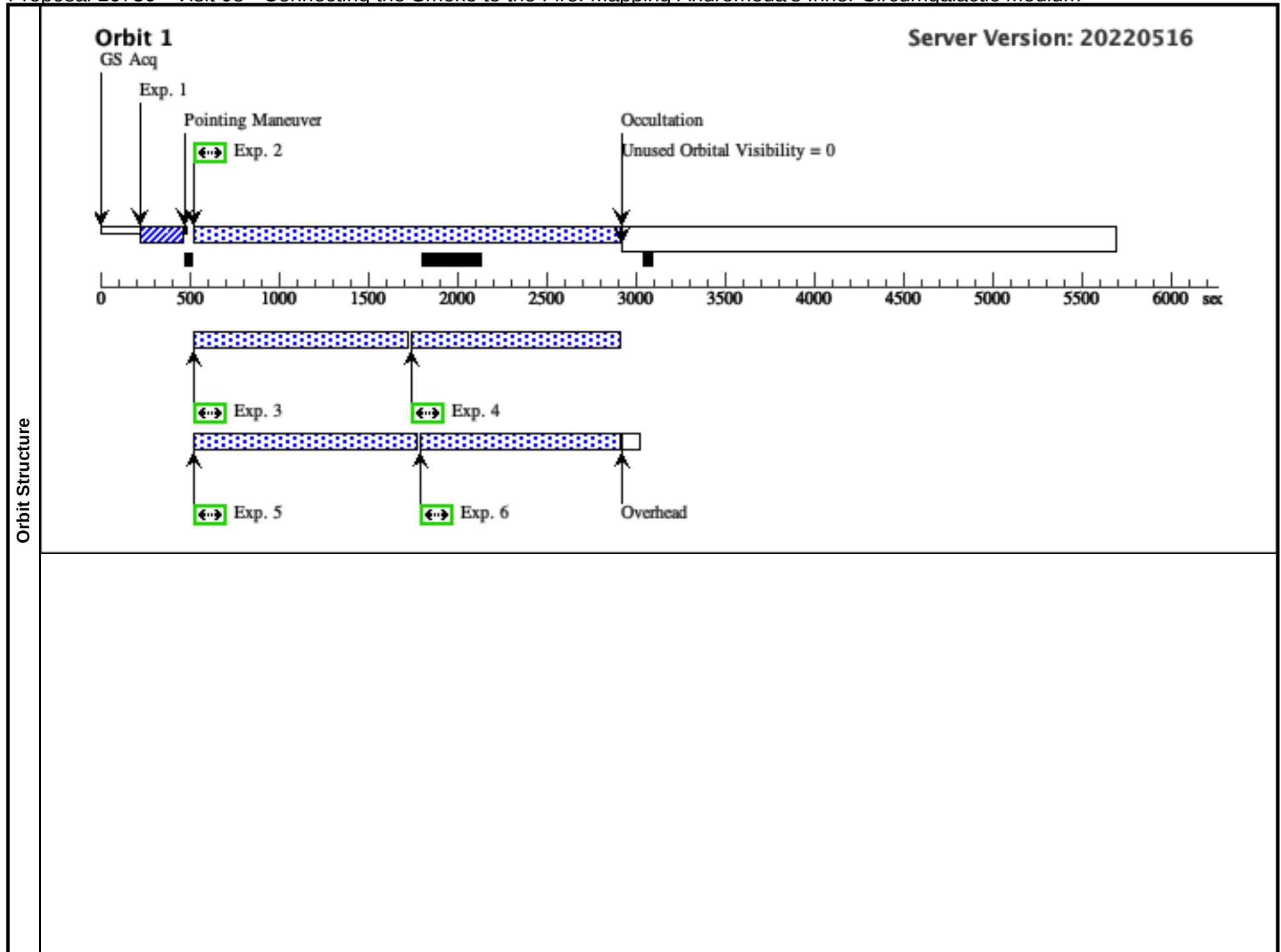


Proposal 16730 - Visit 08 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Visit	Proposal 16730, Visit 08, completed					Tue Aug 16 20:02:20 GMT 2022
	Diagnostic Status: Warning					
	Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%; SAME ORIENT AS 06					
Diagnosics	(Visit 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.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(3)	PGC2304	RA: 00 38 33.1536 (9.6381400d)		V=17.3	Reference Frame: ICRS
			Dec: +41 28 50.41 (41.48067d)		GALEX FUV=18.96 (FUV) = 1.	
			Equinox: J2000		0E-15 cgs (GHRS G140L)	
		Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC] Extended=NO				

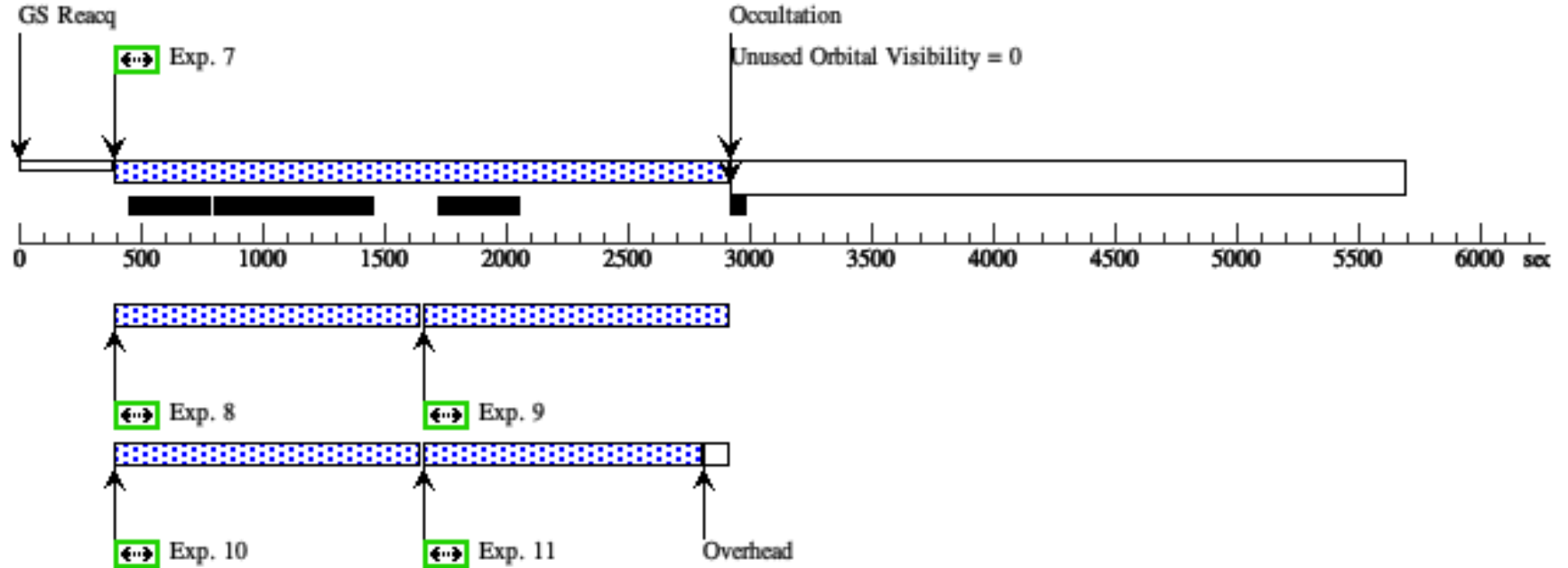
Proposal 16730 - Visit 08 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

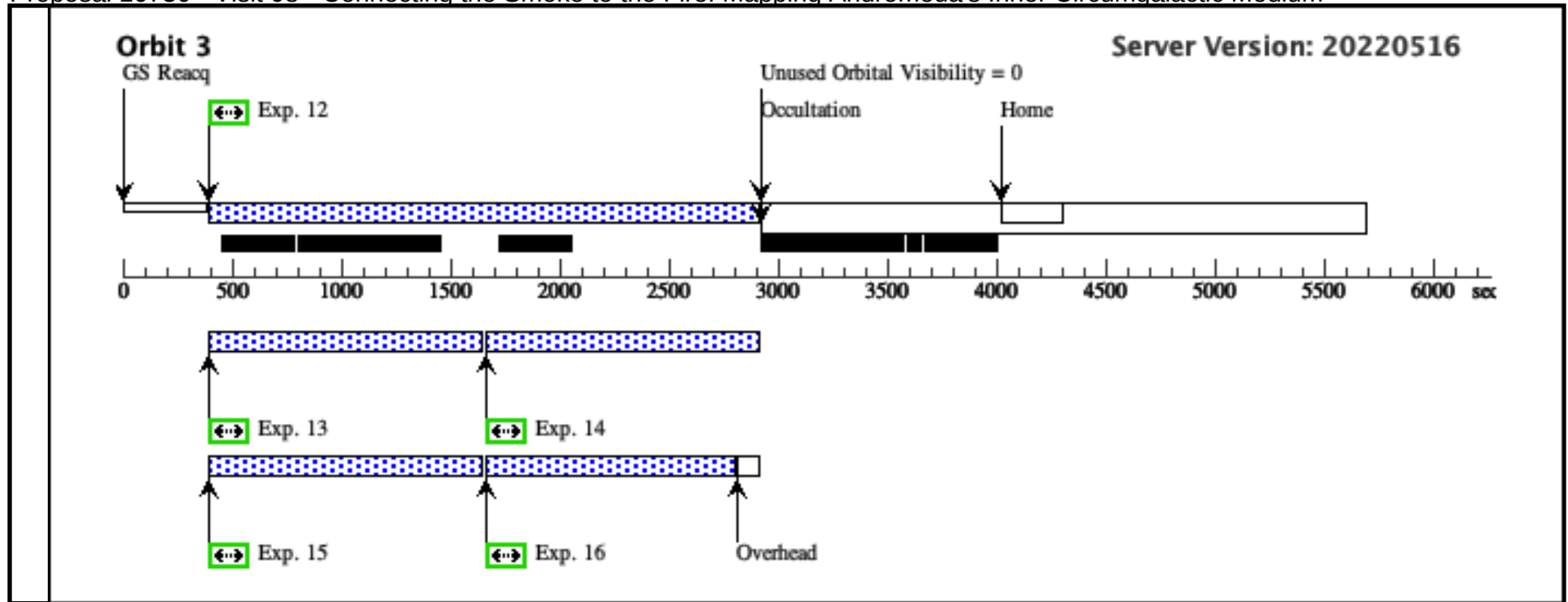
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(COS.ta.154 3342)	(3) PGC2304	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				2.5 Secs (2.5 Secs)	
									[==>]	[1]
	2	(COS.sp.152 6523)	(3) PGC2304	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=52 87; SEGMENT=BOTH; FLASH=YES; FP-POS=4		Prime + Parallel Group 2-6 in Visit 08	2300 Secs (2217 Secs)	
									[==>2217.0 Secs]	[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 2-6 in Visit 08	750 Secs (994 Secs)	
									[==>994.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 2-6 in Visit 08	750 Secs (994 Secs)	
									[==>994.0 Secs]	[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 2-6 in Visit 08	900 Secs (1103 Secs)	
									[==>1103.0 Secs]	[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 2-6 in Visit 08	900 Secs (1103 Secs)	
									[==>1103.0 Secs]	[1]
	7	(COS.sp.152 6523)	(3) PGC2304	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=52 87; SEGMENT=BOTH; FLASH=YES; FP-POS=4		Prime + Parallel Group 7-11 in Visit 08	2400 Secs (2473 Secs)	
									[==>2473.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Visit 08	750 Secs (1075 Secs)	
									[==>1075.0 Secs]	[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 7-11 in Visit 08	750 Secs (1075 Secs)	
									[==>1075.0 Secs]	[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Visit 08	900 Secs (1117 Secs)	
									[==>1117.0 Secs]	[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 7-11 in Visit 08	900 Secs (1117 Secs)	
									[==>1117.0 Secs]	[2]
	12	(COS.sp.152 6523)	(3) PGC2304	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=52 87; SEGMENT=BOTH; FLASH=YES; FP-POS=4		Prime + Parallel Group 12-16 in Visit 08	2400 Secs (2473 Secs)	
									[==>2473.0 Secs]	[3]
	13		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 12-16 in Visit 08	750 Secs (1075 Secs)	
									[==>1075.0 Secs]	[3]
	14		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 12-16 in Visit 08	750 Secs (1075 Secs)	
									[==>1075.0 Secs]	[3]
	15		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 12-16 in Visit 08	900 Secs (1117 Secs)	
									[==>1117.0 Secs]	[3]
	16		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 12-16 in Visit 08	900 Secs (1117 Secs)	
									[==>1117.0 Secs]	[3]



Orbit 2

Server Version: 20220516



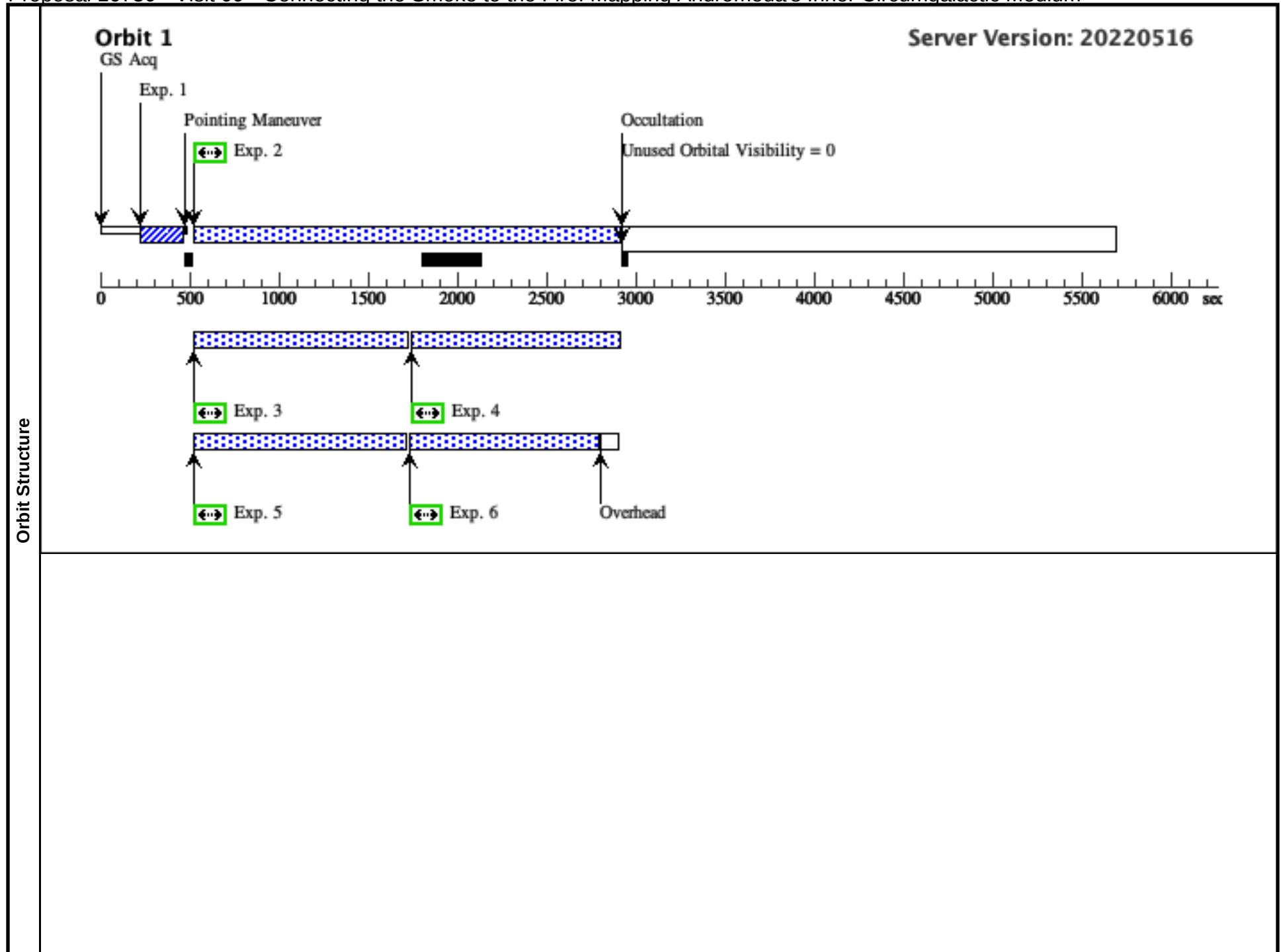


Proposal 16730 - Visit 09 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Visit	Proposal 16730, Visit 09, completed Tue Aug 16 20:02:20 GMT 2022 Diagnostic Status: Error Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV Special Requirements: SCHED 100%; SAME ORIENT AS 06																						
Diagnostics	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 09)) Error (Form): Illegal selection: G160M. (Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 09)) Error (Form): Illegal selection: PSA. (Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 09)) 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). (Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 09)) 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). (Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 09)) 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). (Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 09)) Error (Form): YES is not a valid selection (Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 09)) Error (Form): YES is not a valid selection (Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 09)) Error (Form): Illegal selection: G160M. (Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 09)) Error (Form): Illegal selection: PSA. (Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 09)) 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). (Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 09)) 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). (Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 09)) 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). (Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 09)) Error (Form): YES is not a valid selection (Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 09)) Error (Form): YES is not a valid selection (Primary Exposure 12 (Prime + Parallel Group 12-16 in Visit 09)) Error (Form): Illegal selection: G160M. (Primary Exposure 12 (Prime + Parallel Group 12-16 in Visit 09)) Error (Form): Illegal selection: PSA. (Primary Exposure 12 (Prime + Parallel Group 12-16 in Visit 09)) 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). (Primary Exposure 12 (Prime + Parallel Group 12-16 in Visit 09)) 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). (Primary Exposure 12 (Prime + Parallel Group 12-16 in Visit 09)) 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). (Primary Exposure 12 (Prime + Parallel Group 12-16 in Visit 09)) Error (Form): YES is not a valid selection (Primary Exposure 12 (Prime + Parallel Group 12-16 in Visit 09)) Error (Form): YES is not a valid selection (Visit 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.																						
Fixed Targets	<table> <tr> <th>#</th><th>Name</th><th>Target Coordinates</th><th>Targ. Coord. Corrections</th><th>Fluxes</th><th>Miscellaneous</th></tr> <tr> <td>(3)</td><td>PGC2304</td><td>RA: 00 38 33.1536 (9.6381400d) Dec: +41 28 50.41 (41.48067d) Equinox: J2000</td><td></td><td>V=17.3 GALEX FUV=18.96 (FUV) = 1. 0E-15 cgs (GHRS G140L)</td><td>Reference Frame: ICRS</td></tr> <tr> <td colspan="6"> Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC] Extended=NO </td></tr> </table>					#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(3)	PGC2304	RA: 00 38 33.1536 (9.6381400d) Dec: +41 28 50.41 (41.48067d) Equinox: J2000		V=17.3 GALEX FUV=18.96 (FUV) = 1. 0E-15 cgs (GHRS G140L)	Reference Frame: ICRS	Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC] Extended=NO					
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																		
(3)	PGC2304	RA: 00 38 33.1536 (9.6381400d) Dec: +41 28 50.41 (41.48067d) Equinox: J2000		V=17.3 GALEX FUV=18.96 (FUV) = 1. 0E-15 cgs (GHRS G140L)	Reference Frame: ICRS																		
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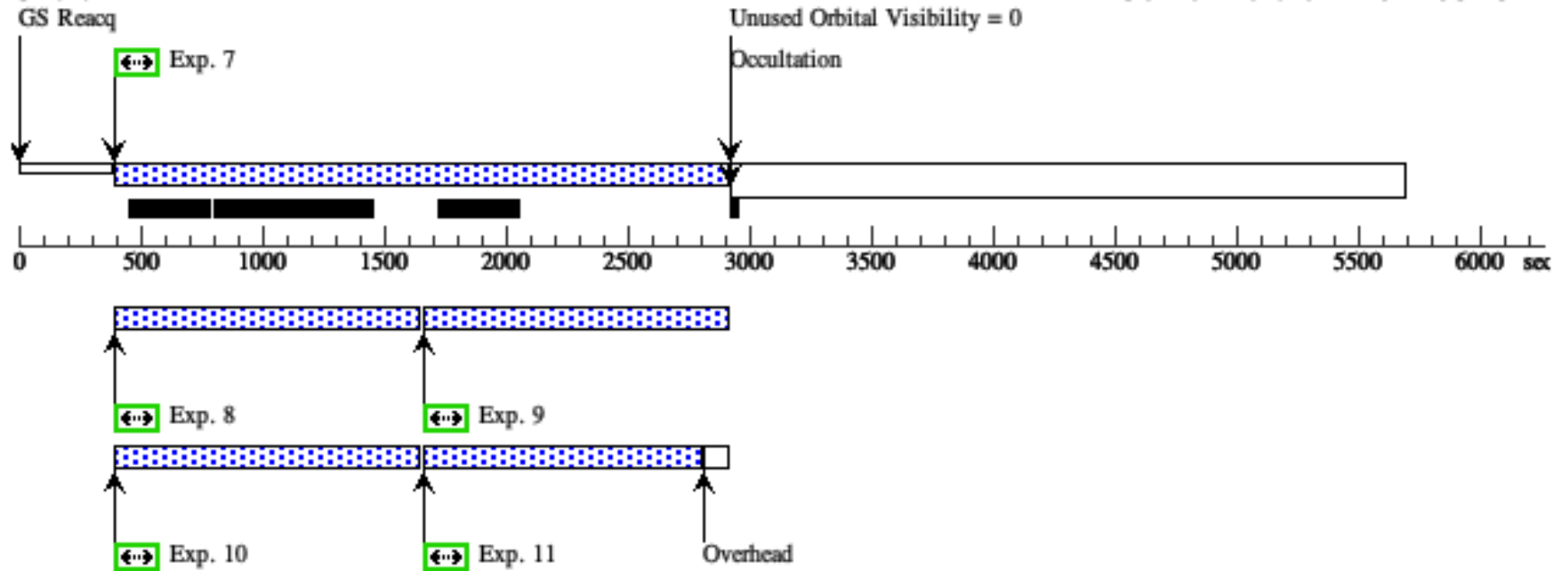
Proposal 16730 - Visit 09 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

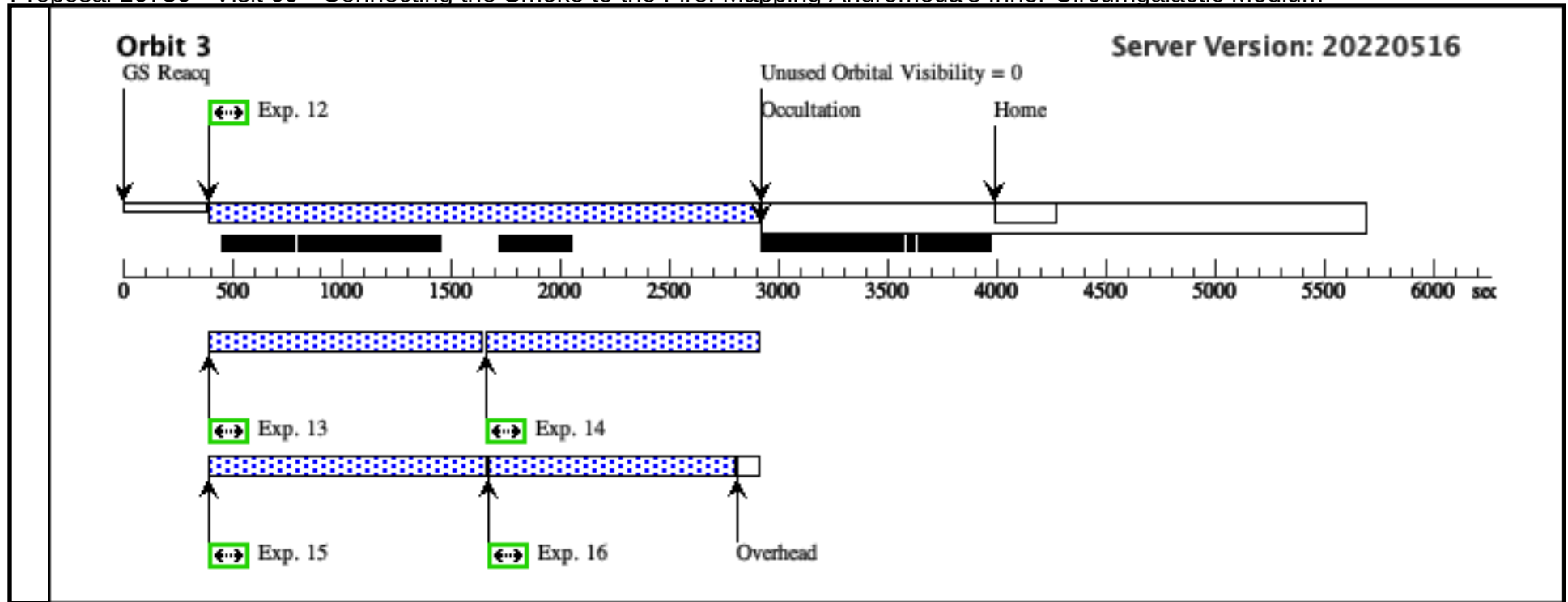
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(COS.ta.154 3342)	(3) PGC2304	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				2.5 Secs (2.5 Secs)		
									[==>]		[1]
	2	(COS.sa.152 6552)	(3) PGC2304	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=19 338; SEGMENT=BOTH; FLASH=YES; FP-POS=1		Prime + Parallel Group 2-6 in Visit 09	784 Secs (2175 Secs)		
									[==>2175.0 Secs]		[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 2-6 in Visit 09	750 Secs (994 Secs)		
									[==>994.0 Secs]		[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 2-6 in Visit 09	750 Secs (994 Secs)		
									[==>994.0 Secs]		[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 2-6 in Visit 09	900 Secs (1041.5 Secs)		
									[==>1041.5 Secs]		[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 2-6 in Visit 09	900 Secs (1041.5 Secs)		
									[==>1041.5 Secs]		[1]
	7	(COS.sa.152 6552)	(3) PGC2304	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=19 338; SEGMENT=BOTH; FLASH=YES; FP-POS=1		Prime + Parallel Group 7-11 in Visit 09	2400 Secs (2473 Secs)		
									[==>2473.0 Secs]		[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Visit 09	750 Secs (1075 Secs)		
									[==>1075.0 Secs]		[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 7-11 in Visit 09	750 Secs (1075 Secs)		
									[==>1075.0 Secs]		[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Visit 09	900 Secs (1117 Secs)		
									[==>1117.0 Secs]		[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 7-11 in Visit 09	900 Secs (1117 Secs)		
									[==>1117.0 Secs]		[2]
	12	(COS.sa.152 6552)	(3) PGC2304	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=19 338; SEGMENT=BOTH; FLASH=YES; FP-POS=1		Prime + Parallel Group 12-16 in Visit 09	2400 Secs (2473 Secs)		
									[==>2473.0 Secs]		[3]
	13		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 12-16 in Visit 09	750 Secs (1075 Secs)		
									[==>1075.0 Secs]		[3]
	14		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 12-16 in Visit 09	750 Secs (1075 Secs)		
									[==>1075.0 Secs]		[3]
	15		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 12-16 in Visit 09	900 Secs (1129 Secs)		
									[==>1129.0 Secs]		[3]
	16		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 12-16 in Visit 09	900 Secs (1129 Secs)		
									[==>1129.0 Secs]		[3]



Orbit 2

Server Version: 20220516



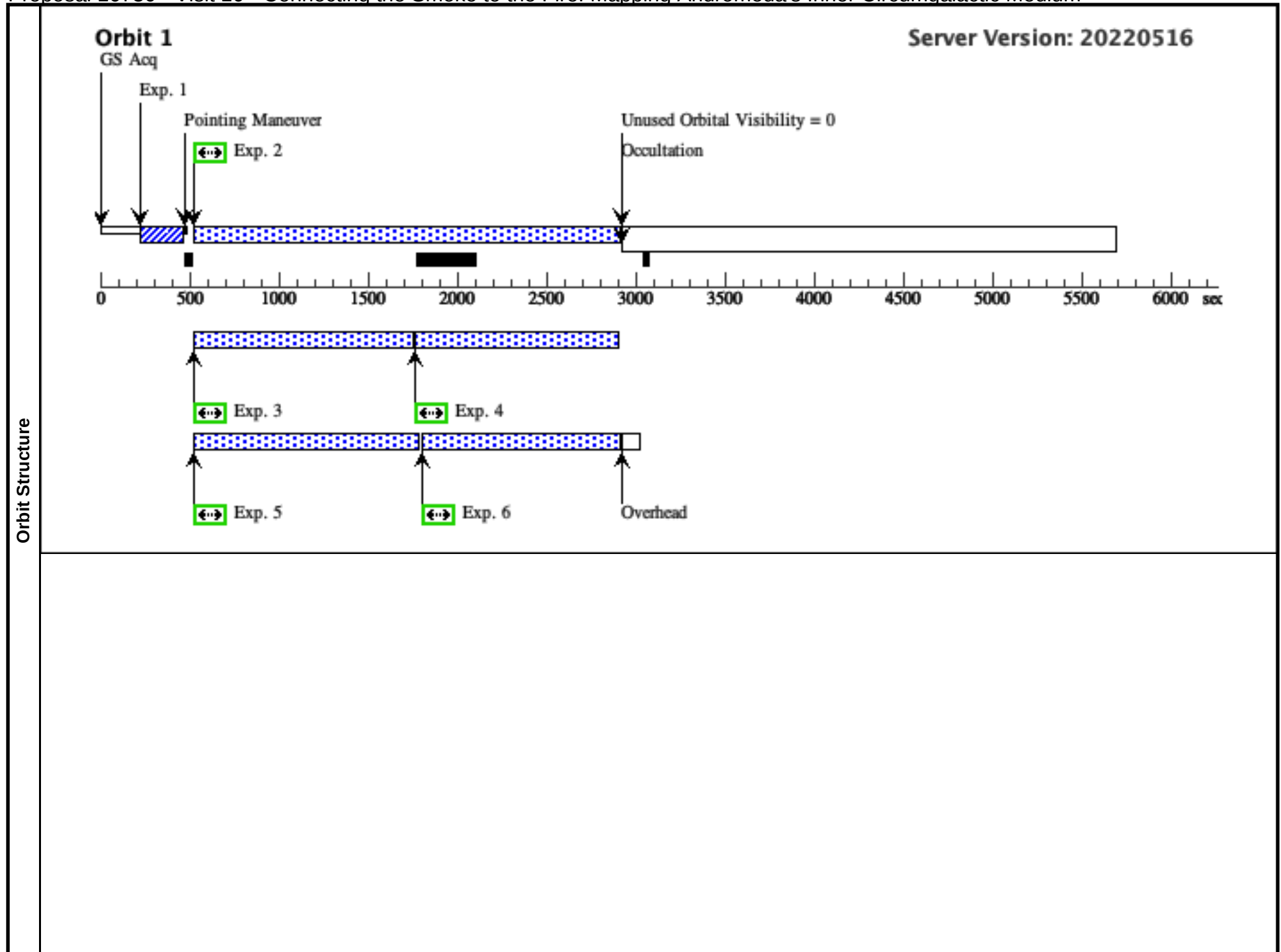


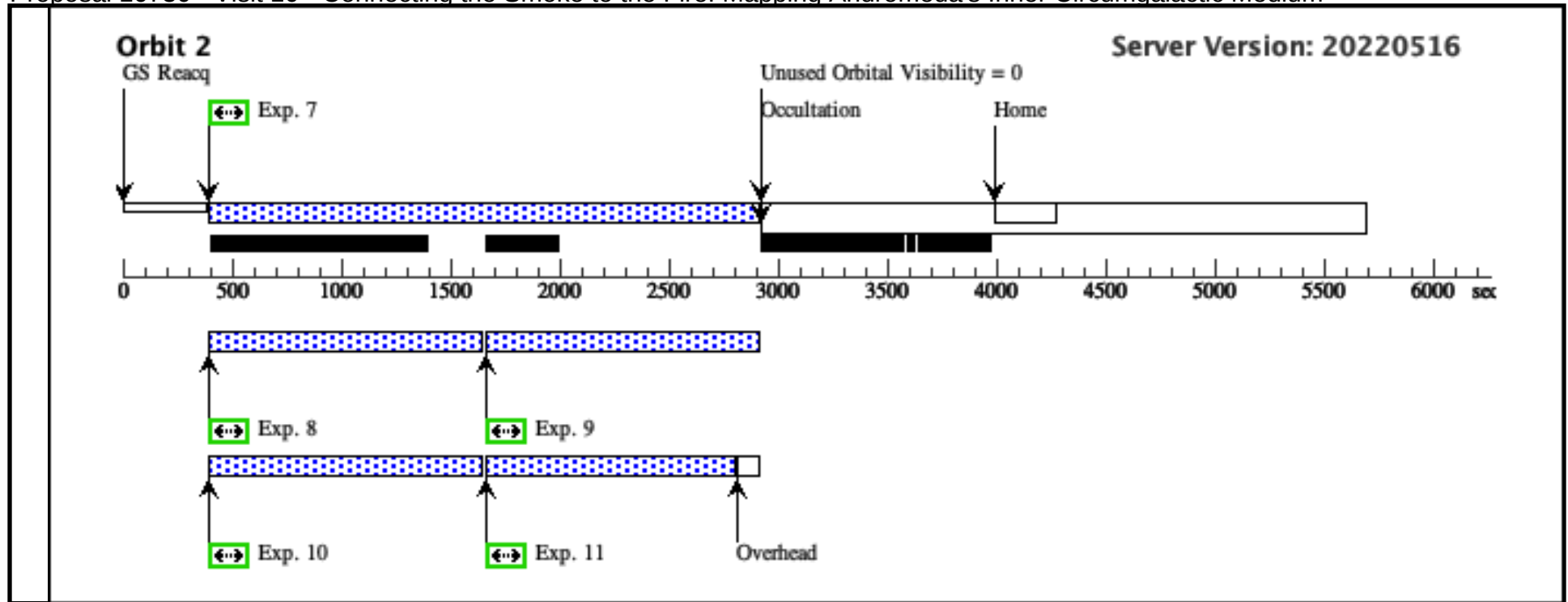
Proposal 16730 - Visit 10 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Visit	Proposal 16730, Visit 10, completed Diagnostic Status: Error Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV Special Requirements: SCHED 100%; SAME ORIENT AS 06 Tue Aug 16 20:02:20 GMT 2022																						
Diagnostics	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 10)) Error (Form): Illegal selection: G160M. (Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 10)) Error (Form): Illegal selection: PSA. (Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 10)) 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). (Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 10)) 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). (Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 10)) 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). (Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 10)) Error (Form): YES is not a valid selection (Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 10)) Error (Form): YES is not a valid selection (Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 10)) Error (Form): Illegal selection: G160M. (Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 10)) Error (Form): Illegal selection: PSA. (Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 10)) 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). (Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 10)) 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). (Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 10)) 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). (Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 10)) Error (Form): YES is not a valid selection (Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 10)) Error (Form): YES is not a valid selection (Visit 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.																						
Fixed Targets	<table> <tr> <th>#</th><th>Name</th><th>Target Coordinates</th><th>Targ. Coord. Corrections</th><th>Fluxes</th><th>Miscellaneous</th></tr> <tr> <td>(3)</td><td>PGC2304</td><td>RA: 00 38 33.1536 (9.6381400d) Dec: +41 28 50.41 (41.48067d) Equinox: J2000</td><td></td><td>V=17.3 GALEX FUV=18.96 (FUV) = 1. 0E-15 cgs (GHRS G140L)</td><td>Reference Frame: ICRS</td></tr> <tr> <td colspan="6"> Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC] Extended=NO </td></tr> </table>					#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(3)	PGC2304	RA: 00 38 33.1536 (9.6381400d) Dec: +41 28 50.41 (41.48067d) Equinox: J2000		V=17.3 GALEX FUV=18.96 (FUV) = 1. 0E-15 cgs (GHRS G140L)	Reference Frame: ICRS	Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC] Extended=NO					
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																		
(3)	PGC2304	RA: 00 38 33.1536 (9.6381400d) Dec: +41 28 50.41 (41.48067d) Equinox: J2000		V=17.3 GALEX FUV=18.96 (FUV) = 1. 0E-15 cgs (GHRS G140L)	Reference Frame: ICRS																		
Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC] Extended=NO																							

Proposal 16730 - Visit 10 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(COS.ta.154 3342)	(3) PGC2304	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				2.5 Secs (2.5 Secs)		
									[==>]		[1]
	2	(COS.sa.152 6552)	(3) PGC2304	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=19 338; SEGMENT=BOTH; FLASH=YES; FP-POS=2		Prime + Parallel Group 2-6 in Visit 10	2400 Secs (2175 Secs)		
									[==>2175.0 Secs]		[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 2-6 in Visit 10	750 Secs (1021 Secs)		
									[==>1021.0 Secs]		[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 2-6 in Visit 10	750 Secs (1021 Secs)		
									[==>1021.0 Secs]		[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 2-6 in Visit 10	900 Secs (1114 Secs)		
									[==>1114.0 Secs]		[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 2-6 in Visit 10	900 Secs (1114 Secs)		
									[==>1114.0 Secs]		[1]
	7	(COS.sa.152 6552)	(3) PGC2304	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=19 338; SEGMENT=BOTH; FLASH=YES; FP-POS=2		Prime + Parallel Group 7-11 in Visit 10	2400 Secs (2473 Secs)		
									[==>2473.0 Secs]		[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Visit 10	750 Secs (1130 Secs)		
									[==>1130.0 Secs]		[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Visit 10	750 Secs (1130 Secs)		
									[==>1130.0 Secs]		[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Visit 10	900 Secs (1140 Secs)		
									[==>1140.0 Secs]		[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Visit 10	900 Secs (1140 Secs)		
									[==>1140.0 Secs]		[2]



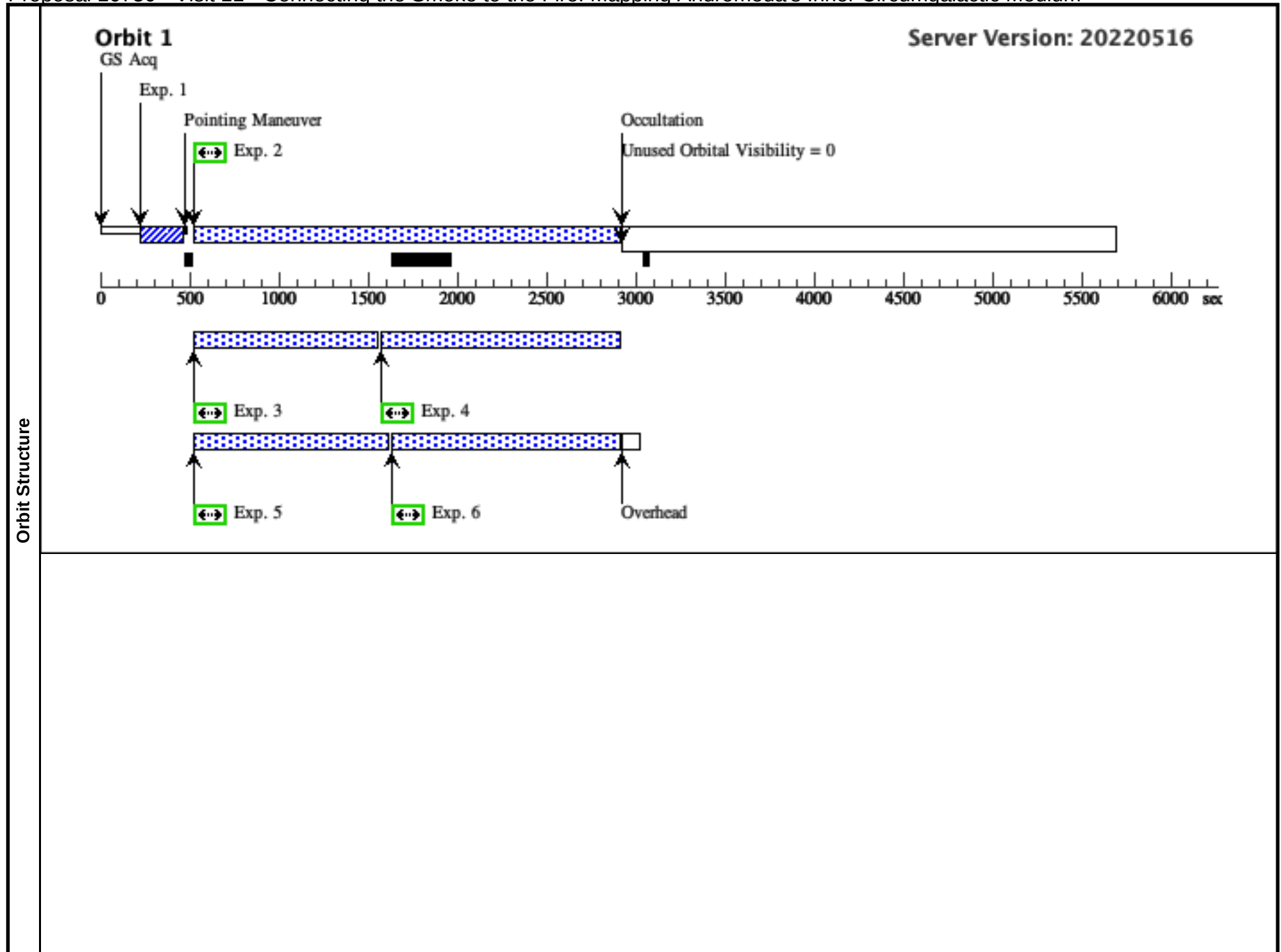


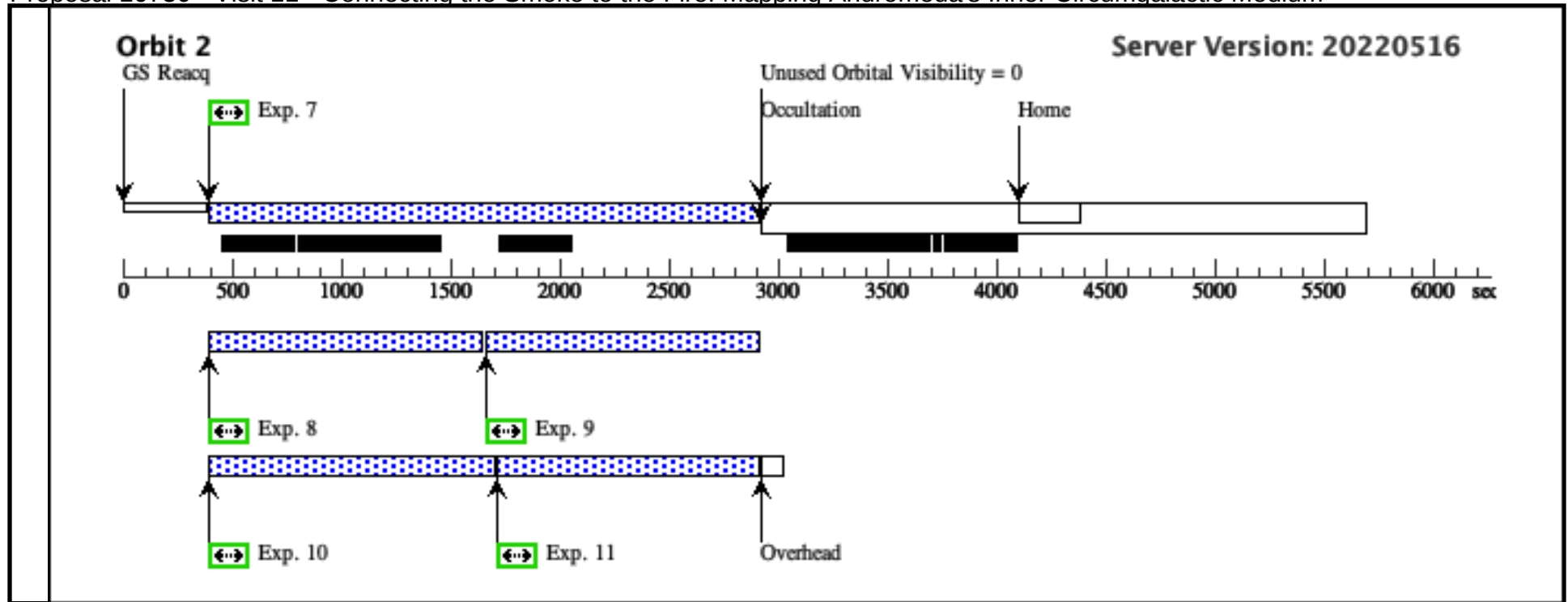
Proposal 16730 - Visit 11 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Visit	Proposal 16730, Visit 11, completed Tue Aug 16 20:02:20 GMT 2022 Diagnostic Status: Error Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV Special Requirements: SCHED 100%; SAME ORIENT AS 06																						
Diagnostics	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 11)) Error (Form): Illegal selection: G160M. (Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 11)) Error (Form): Illegal selection: PSA. (Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 11)) 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). (Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 11)) 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). (Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 11)) 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). (Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 11)) Error (Form): YES is not a valid selection (Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 11)) Error (Form): YES is not a valid selection (Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 11)) Error (Form): Illegal selection: G160M. (Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 11)) Error (Form): Illegal selection: PSA. (Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 11)) 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). (Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 11)) 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). (Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 11)) 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). (Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 11)) Error (Form): YES is not a valid selection (Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 11)) Error (Form): YES is not a valid selection (Visit 11) Warning (Form): For the best data quality, it is generally required to use all four FP-POS positions when observing at a given COS cenwave. See the COS Instrument Handbook for exceptions that may apply to observations with G130M/1291 or G160M.																						
Fixed Targets	<table> <tr> <th>#</th><th>Name</th><th>Target Coordinates</th><th>Targ. Coord. Corrections</th><th>Fluxes</th><th>Miscellaneous</th></tr> <tr> <td>(3)</td><td>PGC2304</td><td>RA: 00 38 33.1536 (9.6381400d) Dec: +41 28 50.41 (41.48067d) Equinox: J2000</td><td></td><td>V=17.3 GALEX FUV=18.96 (FUV) = 1. 0E-15 cgs (GHRS G140L)</td><td>Reference Frame: ICRS</td></tr> <tr> <td colspan="6"> Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC] Extended=NO </td></tr> </table>					#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(3)	PGC2304	RA: 00 38 33.1536 (9.6381400d) Dec: +41 28 50.41 (41.48067d) Equinox: J2000		V=17.3 GALEX FUV=18.96 (FUV) = 1. 0E-15 cgs (GHRS G140L)	Reference Frame: ICRS	Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC] Extended=NO					
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																		
(3)	PGC2304	RA: 00 38 33.1536 (9.6381400d) Dec: +41 28 50.41 (41.48067d) Equinox: J2000		V=17.3 GALEX FUV=18.96 (FUV) = 1. 0E-15 cgs (GHRS G140L)	Reference Frame: ICRS																		
Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC] Extended=NO																							

Proposal 16730 - Visit 11 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(COS.ta.154 3342)	(3) PGC2304	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				2.5 Secs (2.5 Secs)	
									[==>]	[1]
	2	(COS.sp.152 6148)	(3) PGC2304	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=17 307; SEGMENT=BOTH; FLASH=YES; FP-POS=3		Prime + Parallel Group 2-6 in Visit 11	784 Secs (2175 Secs)	
									[==>2175.0 Secs]	[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 2-6 in Visit 11	750 Secs (827 Secs)	
									[==>827.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 2-6 in Visit 11	750 Secs (1161 Secs)	
									[==>1161.0 Secs]	[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 2-6 in Visit 11	900 Secs (949 Secs)	
									[==>949.0 Secs]	[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 2-6 in Visit 11	900 Secs (1257 Secs)	
									[==>1257.0 Secs]	[1]
	7	(COS.sp.152 6148)	(3) PGC2304	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=17 307; SEGMENT=BOTH; FLASH=YES; FP-POS=3		Prime + Parallel Group 7-11 in Visit 11	2400 Secs (2473 Secs)	
									[==>2473.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Visit 11	750 Secs (1075 Secs)	
									[==>1075.0 Secs]	[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 7-11 in Visit 11	750 Secs (1075 Secs)	
									[==>1075.0 Secs]	[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Visit 11	900 Secs (1175 Secs)	
									[==>1175.0 Secs]	[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 7-11 in Visit 11	900 Secs (1175 Secs)	
									[==>1175.0 Secs]	[2]



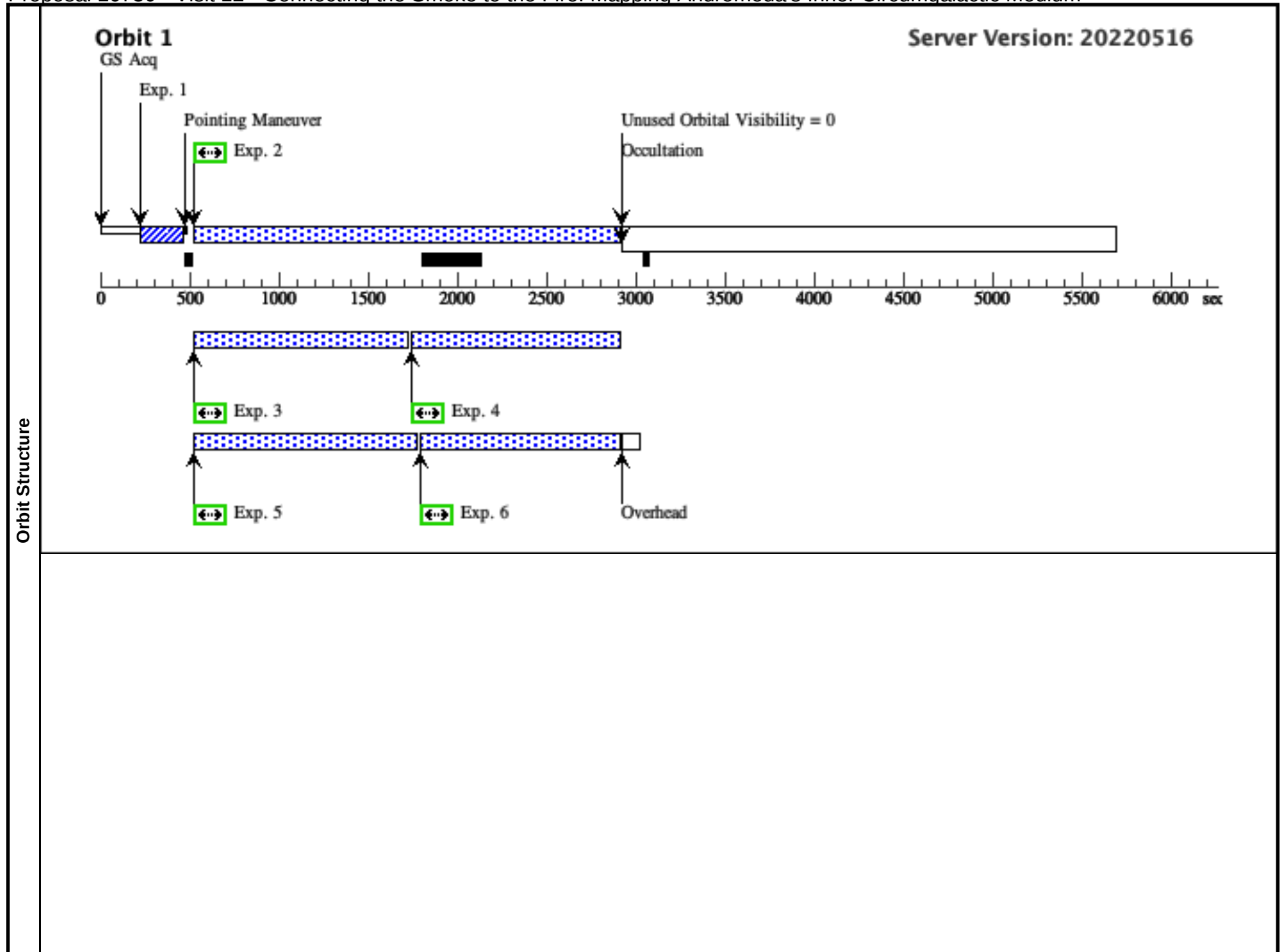


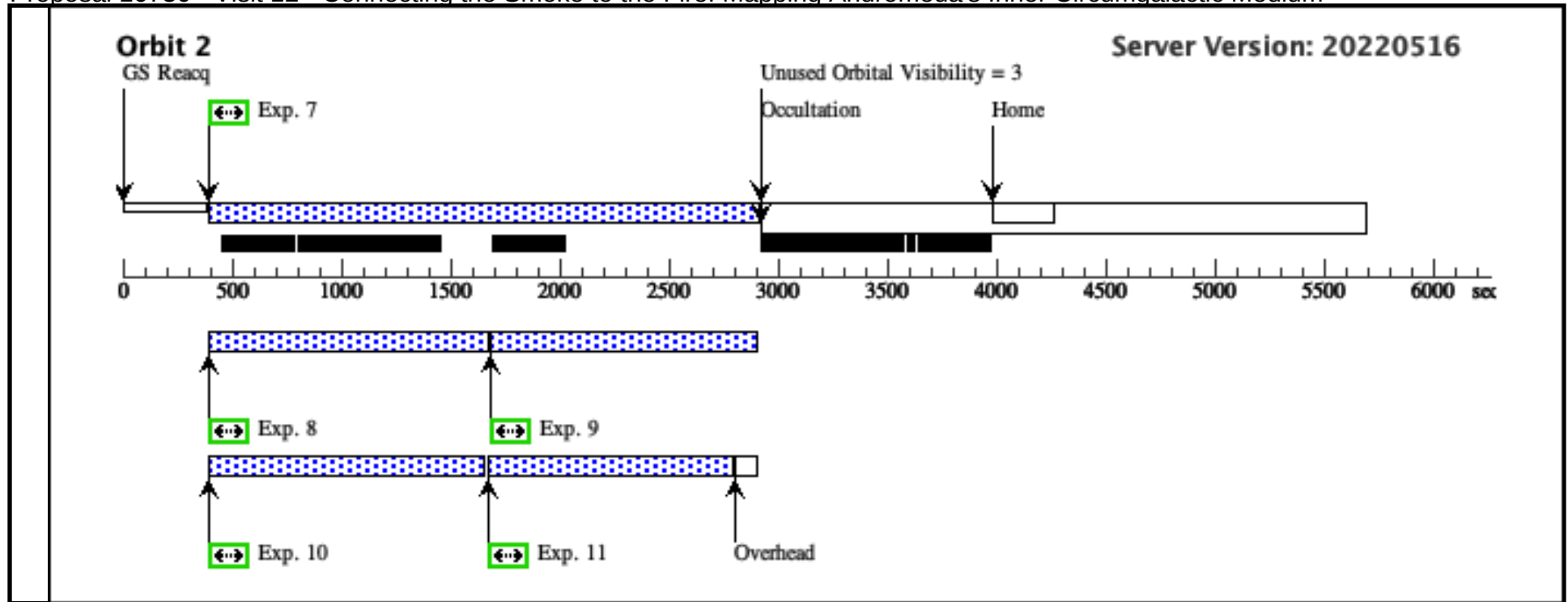
Proposal 16730 - Visit 12 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Visit	Proposal 16730, Visit 12, failed				Tue Aug 16 20:02:20 GMT 2022	
	Diagnostic Status: Error Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV Special Requirements: SCHED 100%; SAME ORIENT AS 06					
Diagnostics	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 12)) Error (Form): Illegal selection: G160M.					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 12)) Error (Form): Illegal selection: PSA.					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 12)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 12)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 12)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 12)) Error (Form): YES is not a valid selection					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 12)) Error (Form): YES is not a valid selection					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 12)) Error (Form): Illegal selection: G160M.					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 12)) Error (Form): Illegal selection: PSA.					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 12)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 12)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 12)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 12)) Error (Form): YES is not a valid selection					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 12)) Error (Form): YES is not a valid selection					
Fixed Targets	(Visit 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.					
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(3)	PGC2304	RA: 00 38 33.1536 (9.6381400d) Dec: +41 28 50.41 (41.48067d) Equinox: J2000		V=17.3 GALEX FUV=18.96 (FUV) = 1. 0E-15 cgs (GHRS G140L)	Reference Frame: ICRS
	Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC] Extended=NO					

Proposal 16730 - Visit 12 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(COS.ta.154 3342)	(3) PGC2304	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				2.5 Secs (2.5 Secs)		
									[==>]		[1]
	2	(COS.sp.152 6148)	(3) PGC2304	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=17 307; SEGMENT=BOTH; FLASH=YES; FP-POS=4		Prime + Parallel Group 2-6 in Visit 12	2200 Secs (2175 Secs)		
									[==>2175.0 Secs]		[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 2-6 in Visit 12	750 Secs (994 Secs)		
									[==>994.0 Secs]		[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 2-6 in Visit 12	750 Secs (994 Secs)		
									[==>994.0 Secs]		[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 2-6 in Visit 12	900 Secs (1103 Secs)		
									[==>1103.0 Secs]		[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 2-6 in Visit 12	900 Secs (1103 Secs)		
									[==>1103.0 Secs]		[1]
	7	(COS.sp.152 6148)	(3) PGC2304	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=17 307; SEGMENT=BOTH; FLASH=YES; FP-POS=4		Prime + Parallel Group 7-11 in Visit 12	2470 Secs (2470 Secs)		
									[==>]		[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Visit 12	750 Secs (1101 Secs)		
									[==>1101.0 Secs]		[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Visit 12	750 Secs (1101 Secs)		
									[==>1101.0 Secs]		[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Visit 12	900 Secs (1127 Secs)		
									[==>1127.0 Secs]		[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Visit 12	900 Secs (1127 Secs)		
									[==>1127.0 Secs]		[2]





Proposal 16730 - Repeat of visit 12 (A2) - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

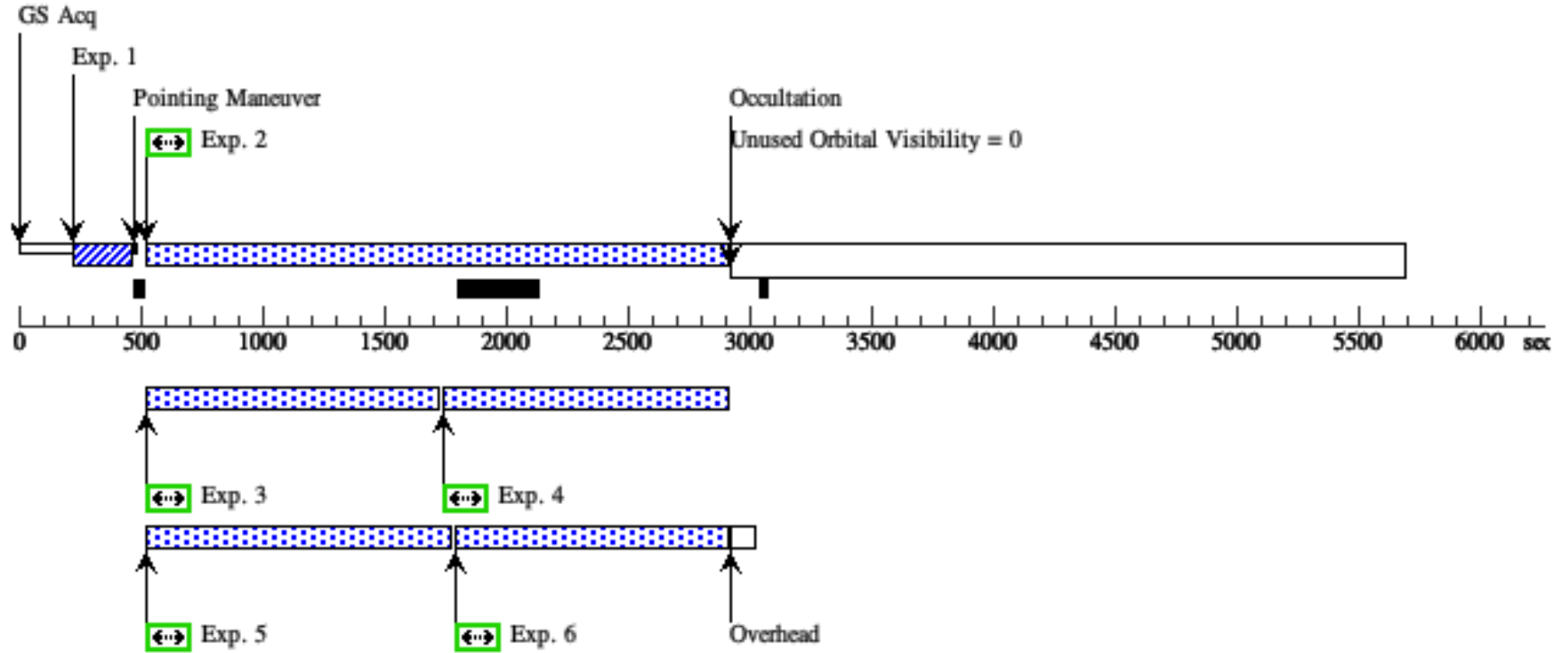
Visit	Proposal 16730, Repeat of visit 12 (A2), implementation					Tue Aug 16 20:02:20 GMT 2022
	Diagnostic Status: Warning					
	Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%; SAME ORIENT AS 06					
Diagnosics	(Repeat of visit 12 (A2)) Warning (Form): 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.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(3)	PGC2304	RA: 00 38 33.1536 (9.6381400d)		V=17.3	Reference Frame: ICRS
			Dec: +41 28 50.41 (41.48067d)		GALEX FUV=18.96 (FUV) = 1.	
			Equinox: J2000		0E-15 cgs (GHRS G140L)	
	Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC] Extended=NO					

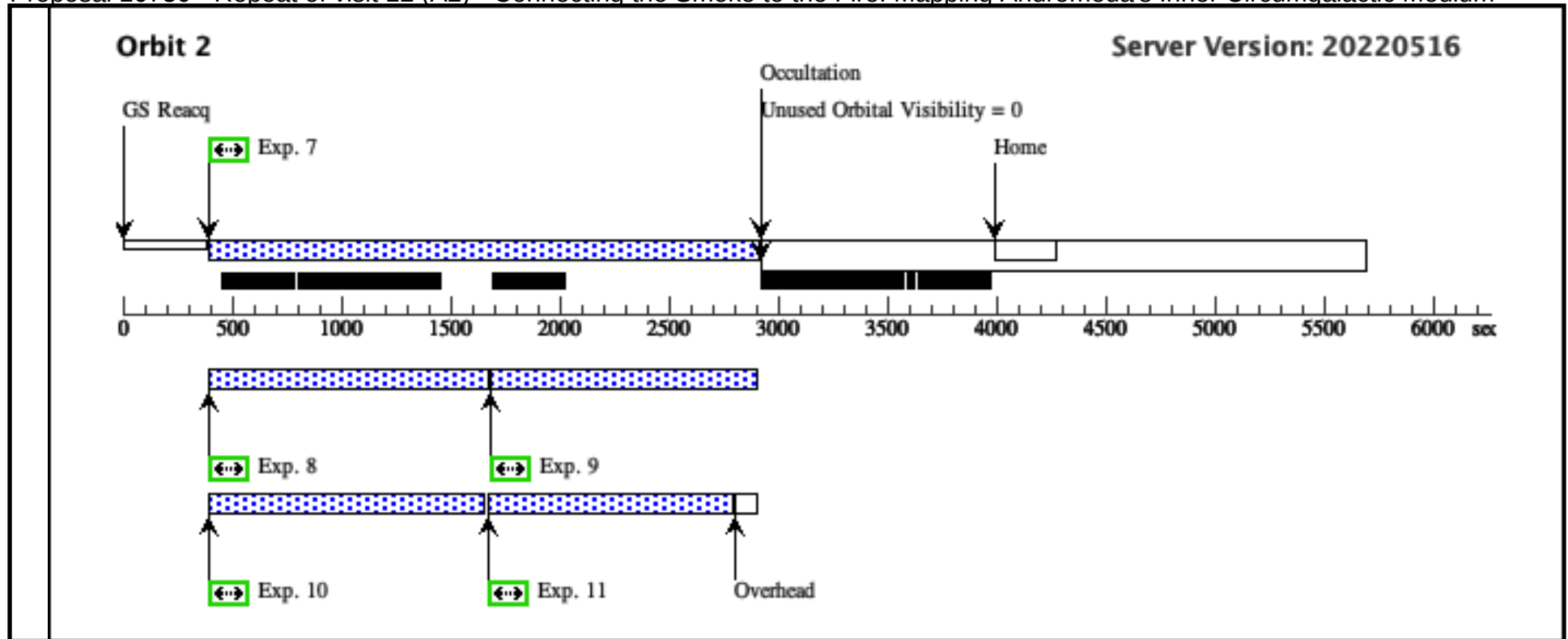
Proposal 16730 - Repeat of visit 12 (A2) - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(COS.ta.154 3342)	(3) PGC2304	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				2.5 Secs (2.5 Secs)	
									[==>]	[1]
	2	(COS.sp.152 6148)	(3) PGC2304	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=17 307; SEGMENT=BOTH; FP-POS=3		Prime + Parallel Group 2-6 in Repeat of visit 12 (A2)	2200 Secs (2175 Secs)	
									[==>2175.0 Secs]	[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 2-6 in Repeat of visit 12 (A2)	750 Secs (994 Secs)	
									[==>994.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 2-6 in Repeat of visit 12 (A2)	750 Secs (994 Secs)	
									[==>994.0 Secs]	[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 2-6 in Repeat of visit 12 (A2)	900 Secs (1103 Secs)	
									[==>1103.0 Secs]	[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 2-6 in Repeat of visit 12 (A2)	900 Secs (1103 Secs)	
									[==>1103.0 Secs]	[1]
	7	(COS.sp.152 6148)	(3) PGC2304	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=17 307; SEGMENT=BOTH; FP-POS=4		Prime + Parallel Group 7-11 in Repeat of visit 12 (A2)	2470 Secs (2470 Secs)	
									[==>]	[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Repeat of visit 12 (A2)	750 Secs (1101 Secs)	
									[==>1101.0 Secs]	[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Repeat of visit 12 (A2)	750 Secs (1101 Secs)	
									[==>1101.0 Secs]	[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Repeat of visit 12 (A2)	900 Secs (1127 Secs)	
									[==>1127.0 Secs]	[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Repeat of visit 12 (A2)	900 Secs (1127 Secs)	
									[==>1127.0 Secs]	[2]

Orbit 1

Server Version: 20220516



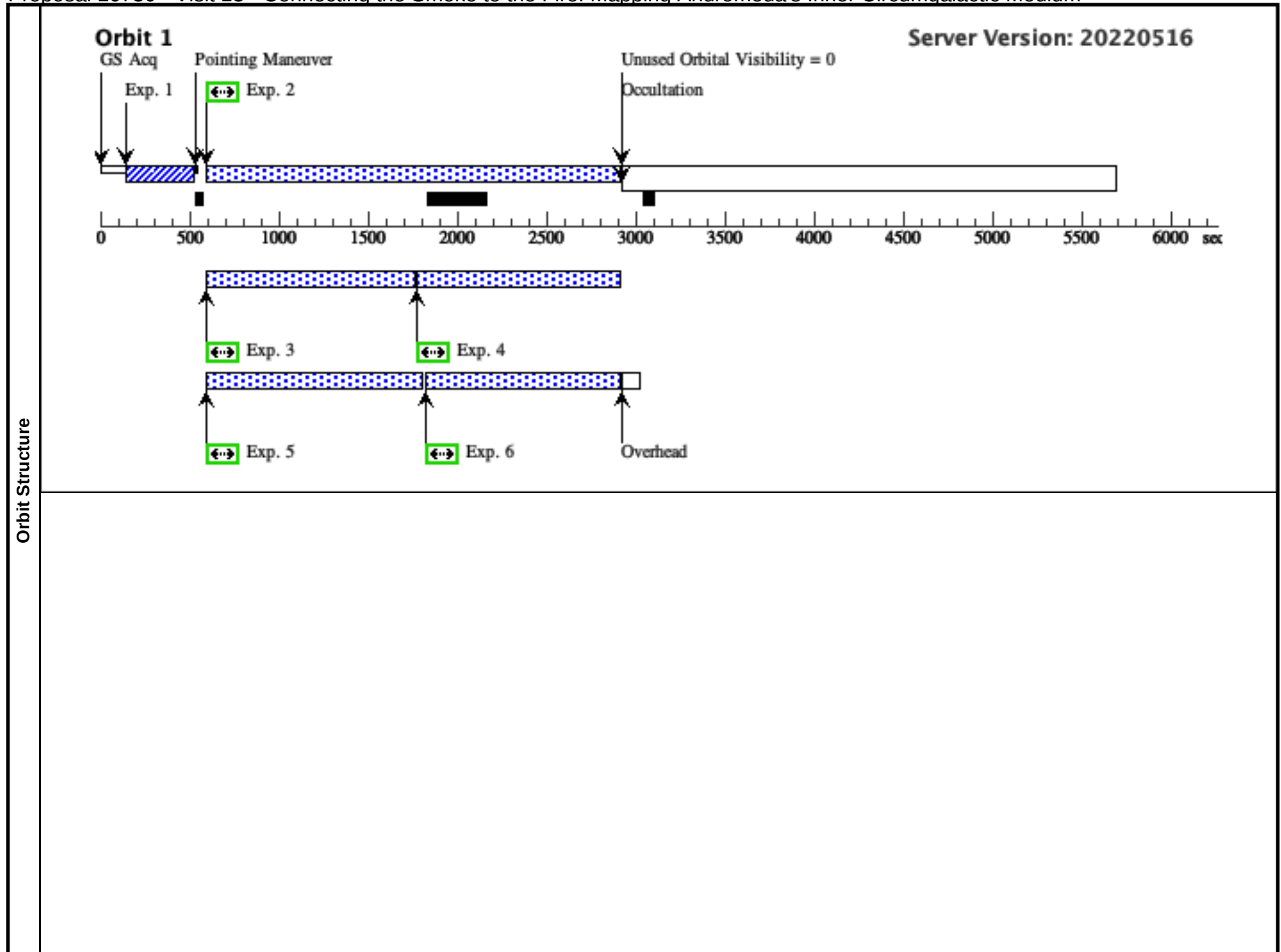


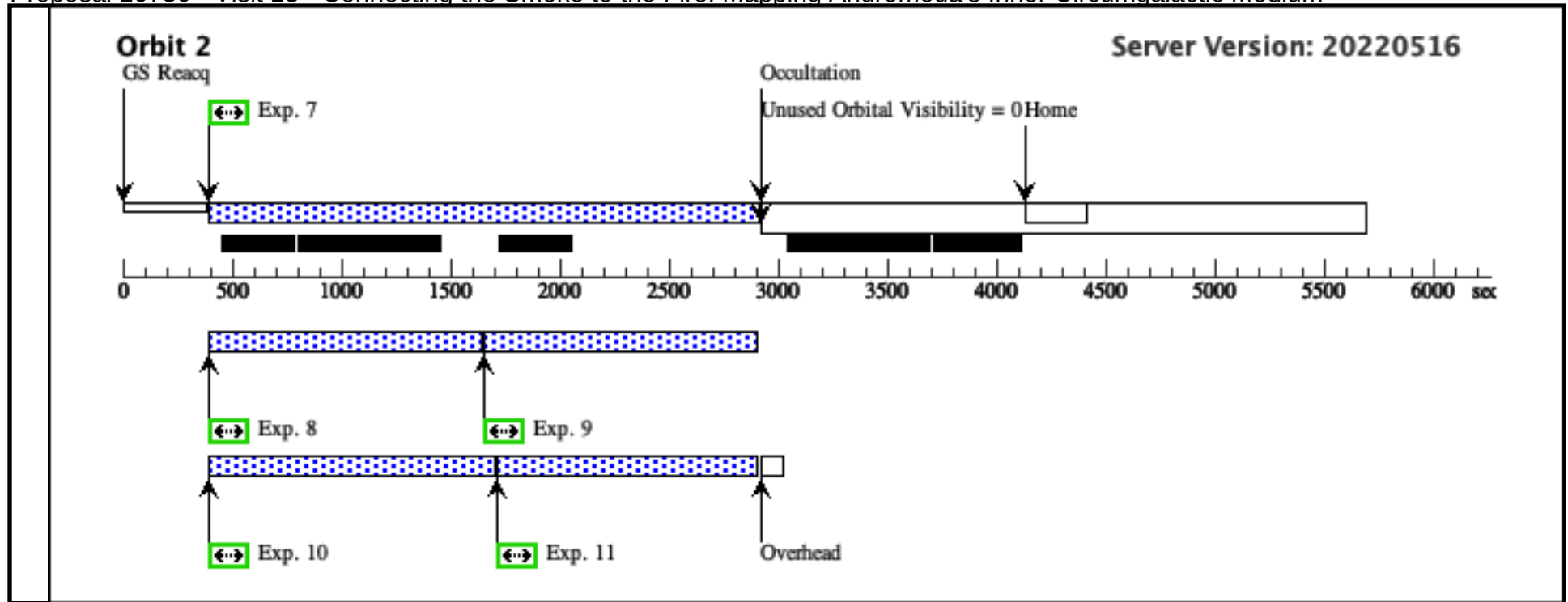
Proposal 16730 - Visit 13 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Visit	Proposal 16730, Visit 13, completed					Tue Aug 16 20:02:20 GMT 2022
	Diagnostic Status: Warning					
	Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%					
Diagnosics	(Visit 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.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(4)	QSO-B0047+392	RA: 00 49 52.7135 (12.4696396d)		V=18.1	Reference Frame: ICRS
			Dec: +39 31 31.62 (39.52545d)		GALEX FUV=18.33	
			Equinox: J2000			
		Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC, ABSORPTION LINE SYSTEM - GALACTIC] Extended=NO				

Proposal 16730 - Visit 13 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(COS.ta.154 6505)	(4) QSO-B0047+392	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				36 Secs (36 Secs)		
									[==>]		[1]
	2	(COS.sp.154 6506)	(4) QSO-B0047+392	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=47 75; FP-POS=3; SEGMENT=BOTH; FLASH=YES		Prime + Parallel Group 2-6 in Visit 13	2400 Secs (2149 Secs)		
									[==>2149.0 Secs]		[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 2-6 in Visit 13	750 Secs (960 Secs)		
									[==>960.0 Secs]		[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 2-6 in Visit 13	750 Secs (960 Secs)		
									[==>960.0 Secs]		[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 2-6 in Visit 13	900 Secs (1069 Secs)		
									[==>1069.0 Secs]		[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 2-6 in Visit 13	900 Secs (1069 Secs)		
									[==>1069.0 Secs]		[1]
	7	(COS.sp.154 6506)	(4) QSO-B0047+392	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=47 75; SEGMENT=BOTH; FLASH=YES; FP-POS=3		Prime + Parallel Group 7-11 in Visit 13	2400 Secs (2471 Secs)		
									[==>2471.0 Secs]		[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Visit 13	750 Secs (1074 Secs)		
									[==>1074.0 Secs]		[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 7-11 in Visit 13	750 Secs (1074 Secs)		
									[==>1074.0 Secs]		[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Visit 13	900 Secs (1174 Secs)		
									[==>1174.0 Secs]		[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 7-11 in Visit 13	900 Secs (1174 Secs)		
									[==>1174.0 Secs]		[2]



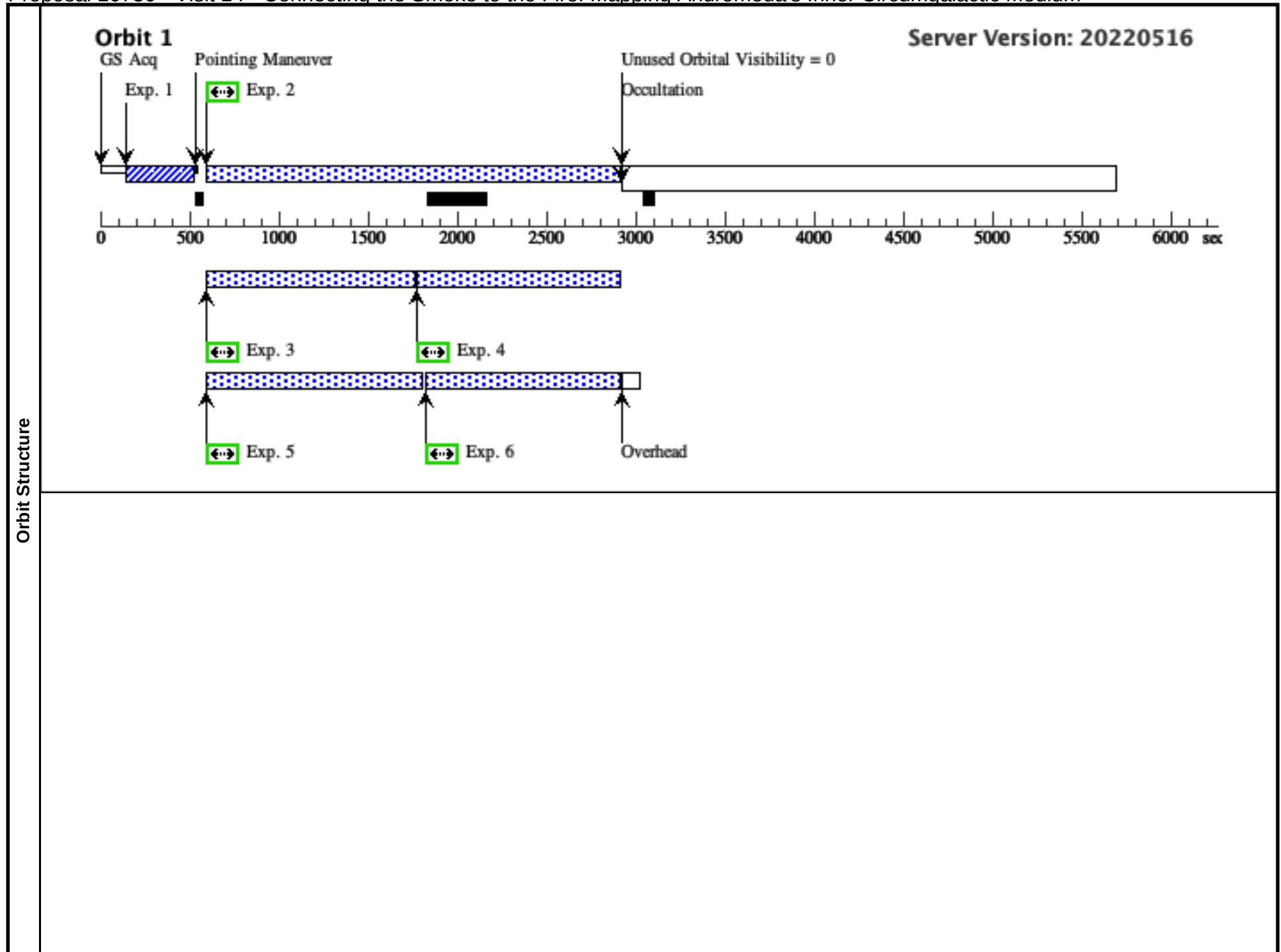


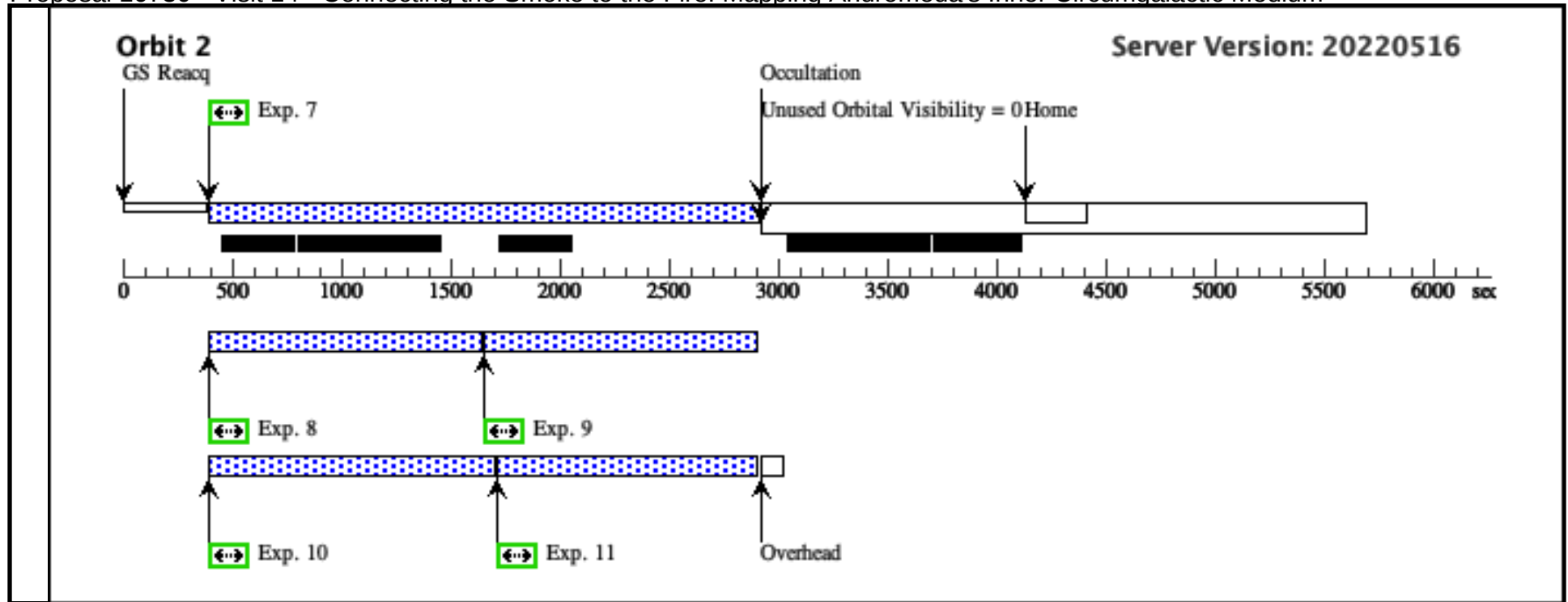
Proposal 16730 - Visit 14 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Visit	Proposal 16730, Visit 14, completed					Tue Aug 16 20:02:20 GMT 2022
	Diagnostic Status: Warning					
	Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%; SAME ORIENT AS 13					
Diagnosics	(Visit 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.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(4)	QSO-B0047+392	RA: 00 49 52.7135 (12.4696396d)		V=18.1	Reference Frame: ICRS
			Dec: +39 31 31.62 (39.52545d)		GALEX FUV=18.33	
			Equinox: J2000			
		Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC, ABSORPTION LINE SYSTEM - GALACTIC] Extended=NO				

Proposal 16730 - Visit 14 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(COS.ta.154 6505)	(4) QSO-B0047+392	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				36 Secs (36 Secs)		
									[==>]		[1]
	2	(COS.sp.154 6506)	(4) QSO-B0047+392	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=47 75; FP-POS=3; SEGMENT=BOTH; FLASH=YES		Prime + Parallel Group 2-6 in Visit 14	2250 Secs (2149 Secs)		
									[==>2149.0 Secs]		[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 2-6 in Visit 14	750 Secs (960 Secs)		
									[==>960.0 Secs]		[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 2-6 in Visit 14	750 Secs (960 Secs)		
									[==>960.0 Secs]		[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 2-6 in Visit 14	900 Secs (1069 Secs)		
									[==>1069.0 Secs]		[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 2-6 in Visit 14	900 Secs (1069 Secs)		
									[==>1069.0 Secs]		[1]
	7	(COS.sp.154 6506)	(4) QSO-B0047+392	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=47 75; FP-POS=4; SEGMENT=BOTH; FLASH=YES		Prime + Parallel Group 7-11 in Visit 14	2400 Secs (2468 Secs)		
									[==>2468.0 Secs]		[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Visit 14	750 Secs (1074 Secs)		
									[==>1074.0 Secs]		[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 7-11 in Visit 14	750 Secs (1074 Secs)		
									[==>1074.0 Secs]		[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Visit 14	900 Secs (1174 Secs)		
									[==>1174.0 Secs]		[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 7-11 in Visit 14	900 Secs (1174 Secs)		
									[==>1174.0 Secs]		[2]



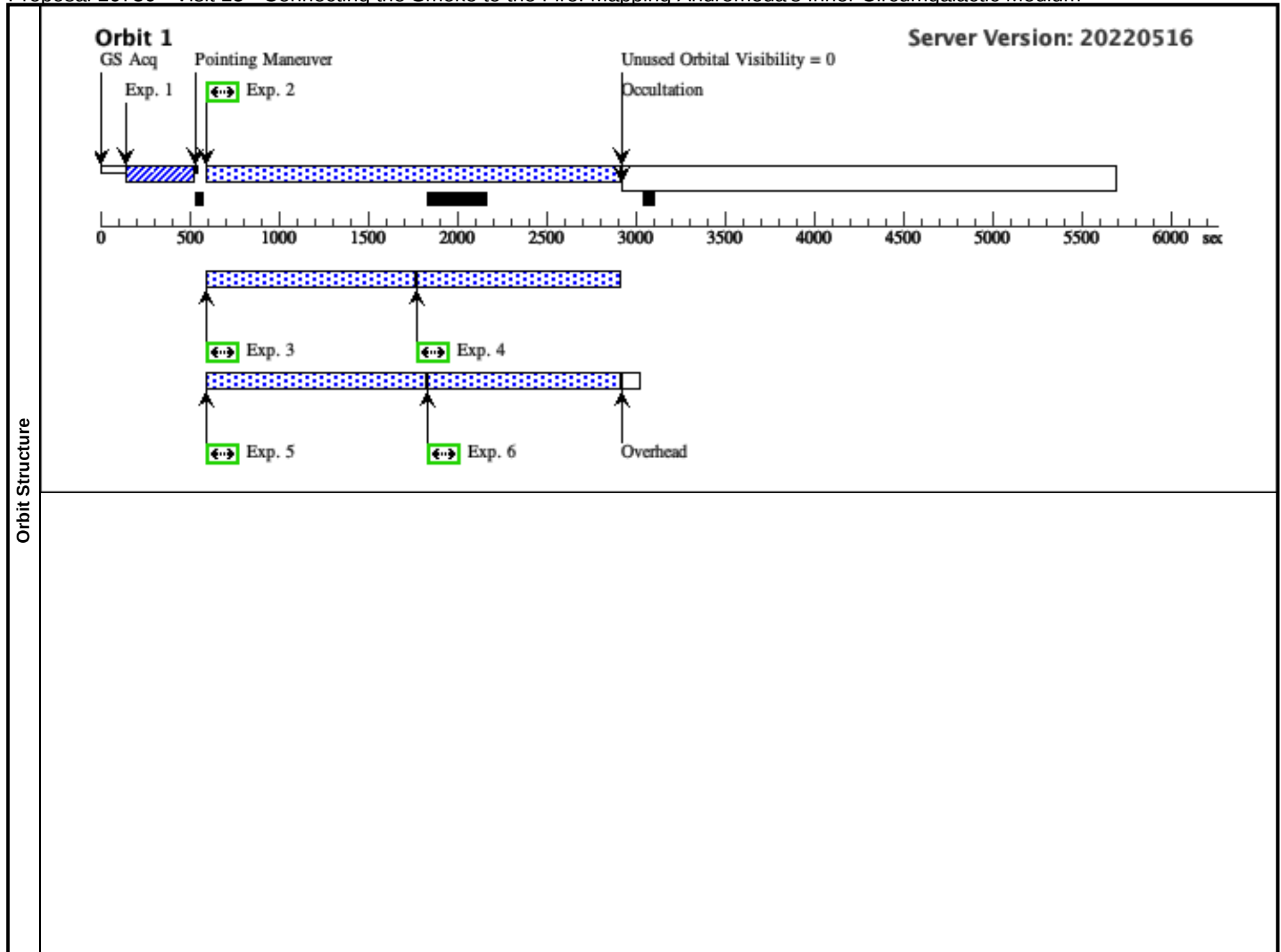


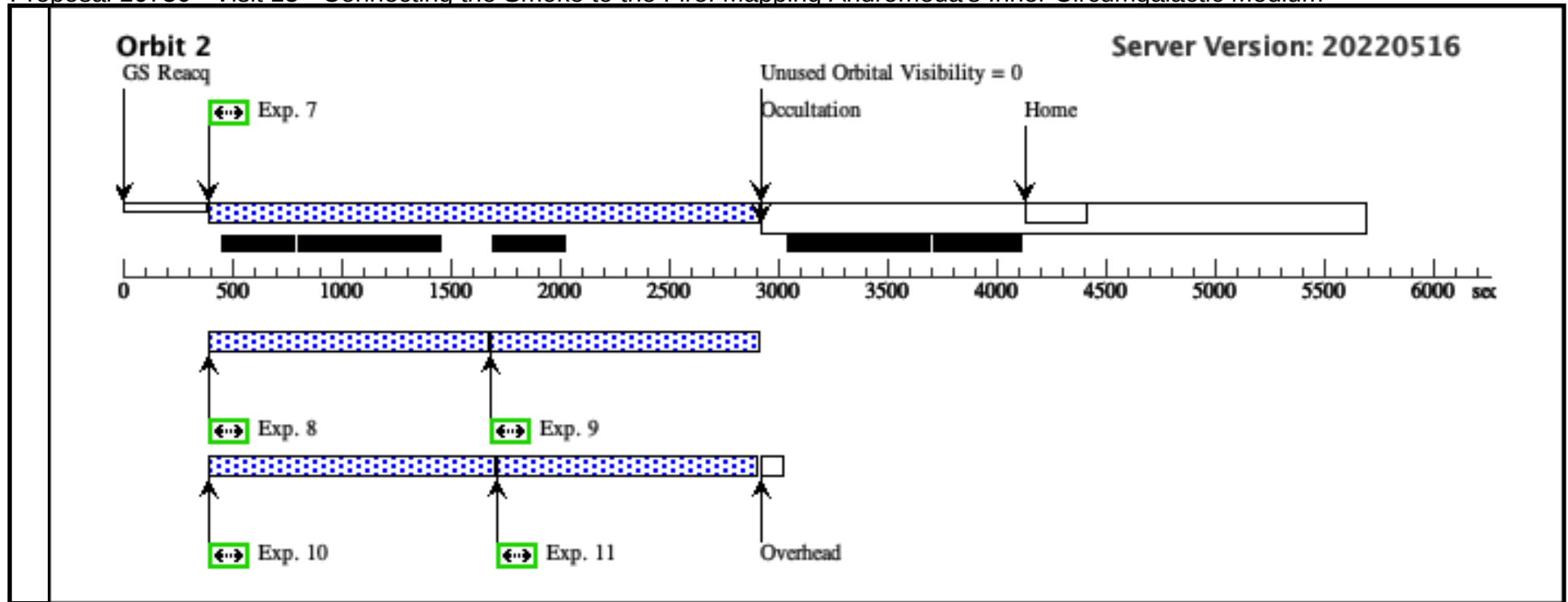
Proposal 16730 - Visit 15 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Visit	Proposal 16730, Visit 15, completed					Tue Aug 16 20:02:20 GMT 2022
	Diagnostic Status: Warning					
	Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%; SAME ORIENT AS 13					
Diagnosics	(Visit 15) 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.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(4)	QSO-B0047+392	RA: 00 49 52.7135 (12.4696396d)		V=18.1	Reference Frame: ICRS
			Dec: +39 31 31.62 (39.52545d)		GALEX FUV=18.33	
			Equinox: J2000			
		Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC, ABSORPTION LINE SYSTEM - GALACTIC] Extended=NO				

Proposal 16730 - Visit 15 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

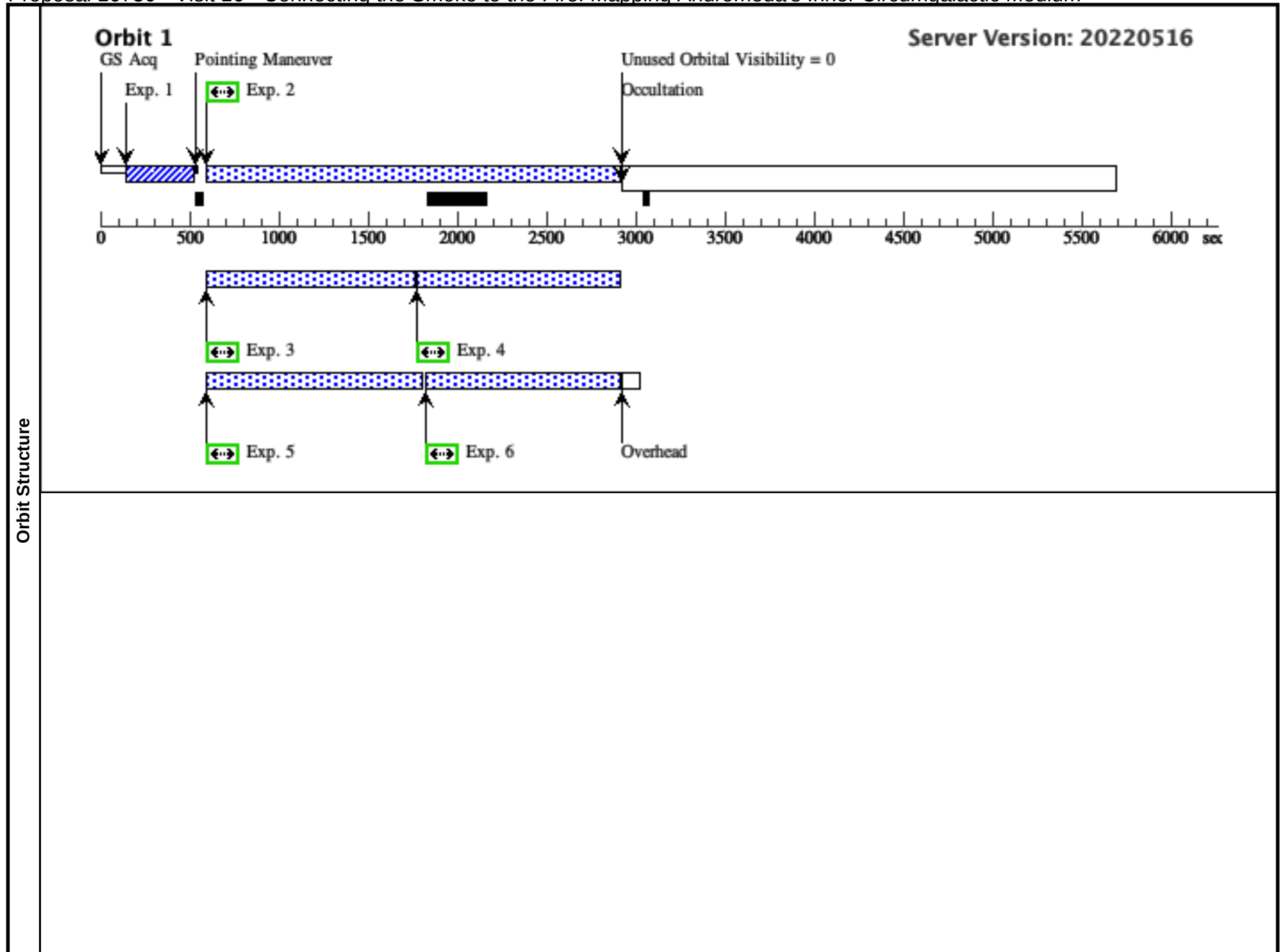
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(COS.ta.154 6505)	(4) QSO-B0047+392	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				36 Secs (36 Secs)		
									[==>]		[1]
	2	(COS.sp.154 6506)	(4) QSO-B0047+392	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=47 75; SEGMENT=BOTH; FLASH=YES; FP-POS=4		Prime + Parallel Group 2-6 in Visit 15	2300 Secs (2149 Secs)		
									[==>2149.0 Secs]		[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 2-6 in Visit 15	750 Secs (960 Secs)		
									[==>960.0 Secs]		[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 2-6 in Visit 15	750 Secs (960 Secs)		
									[==>960.0 Secs]		[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 2-6 in Visit 15	900 Secs (1080 Secs)		
									[==>1080.0 Secs]		[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 2-6 in Visit 15	900 Secs (1080 Secs)		
									[==>1080.0 Secs]		[1]
	7	(COS.sp.154 6506)	(4) QSO-B0047+392	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=47 75; SEGMENT=BOTH; FLASH=YES; FP-POS=4		Prime + Parallel Group 7-11 in Visit 15	2400 Secs (2471 Secs)		
									[==>2471.0 Secs]		[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Visit 15	750 Secs (1102 Secs)		
									[==>1102.0 Secs]		[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Visit 15	750 Secs (1102 Secs)		
									[==>1102.0 Secs]		[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Visit 15	900 Secs (1197 Secs)		
									[==>1197.0 Secs]		[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Visit 15	900 Secs (1197 Secs)		
									[==>1197.0 Secs]		[2]

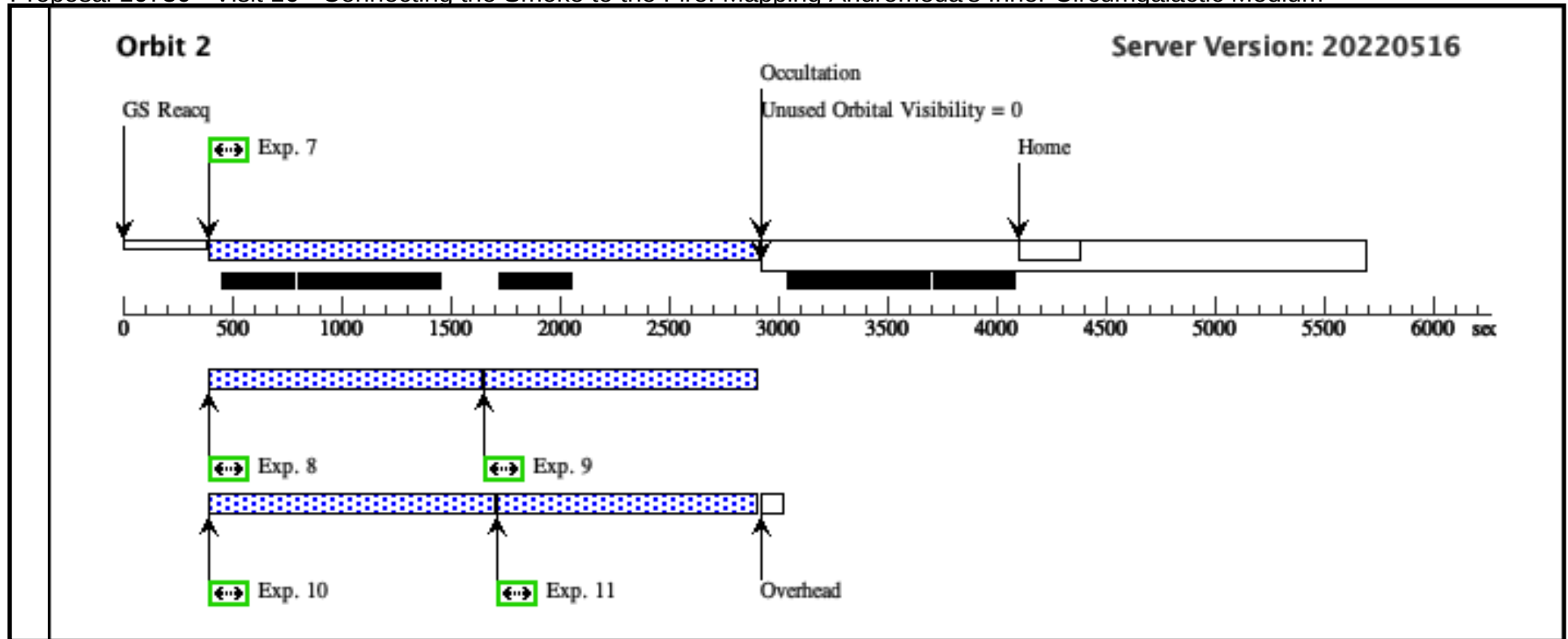




Proposal 16730 - Visit 16 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(COS.ta.154 6505)	(4) QSO-B0047+392	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				36 Secs (36 Secs)		
									[==>]		[1]
	2	(COS.sp.154 6507)	(4) QSO-B0047+392	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=15 028; SEGMENT=BOTH; FLASH=YES; FP-POS=1		Prime + Parallel Group 2-6 in Visit 16	784 Secs (2107 Secs)		
									[==>2107.0 Secs]		[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 2-6 in Visit 16	750 Secs (960 Secs)		
									[==>960.0 Secs]		[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 2-6 in Visit 16	750 Secs (960 Secs)		
									[==>960.0 Secs]		[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 2-6 in Visit 16	900 Secs (1068.5 Secs)		
									[==>1068.5 Secs]		[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 2-6 in Visit 16	900 Secs (1068.5 Secs)		
									[==>1068.5 Secs]		[1]
	7	(COS.sp.154 6507)	(4) QSO-B0047+392	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=15 028; SEGMENT=BOTH; FLASH=YES; FP-POS=1		Prime + Parallel Group 7-11 in Visit 16	2400 Secs (2471 Secs)		
									[==>2471.0 Secs]		[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Visit 16	750 Secs (1074 Secs)		
									[==>1074.0 Secs]		[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 7-11 in Visit 16	750 Secs (1074 Secs)		
									[==>1074.0 Secs]		[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Visit 16	900 Secs (1174 Secs)		
									[==>1174.0 Secs]		[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 7-11 in Visit 16	900 Secs (1174 Secs)		
									[==>1174.0 Secs]		[2]



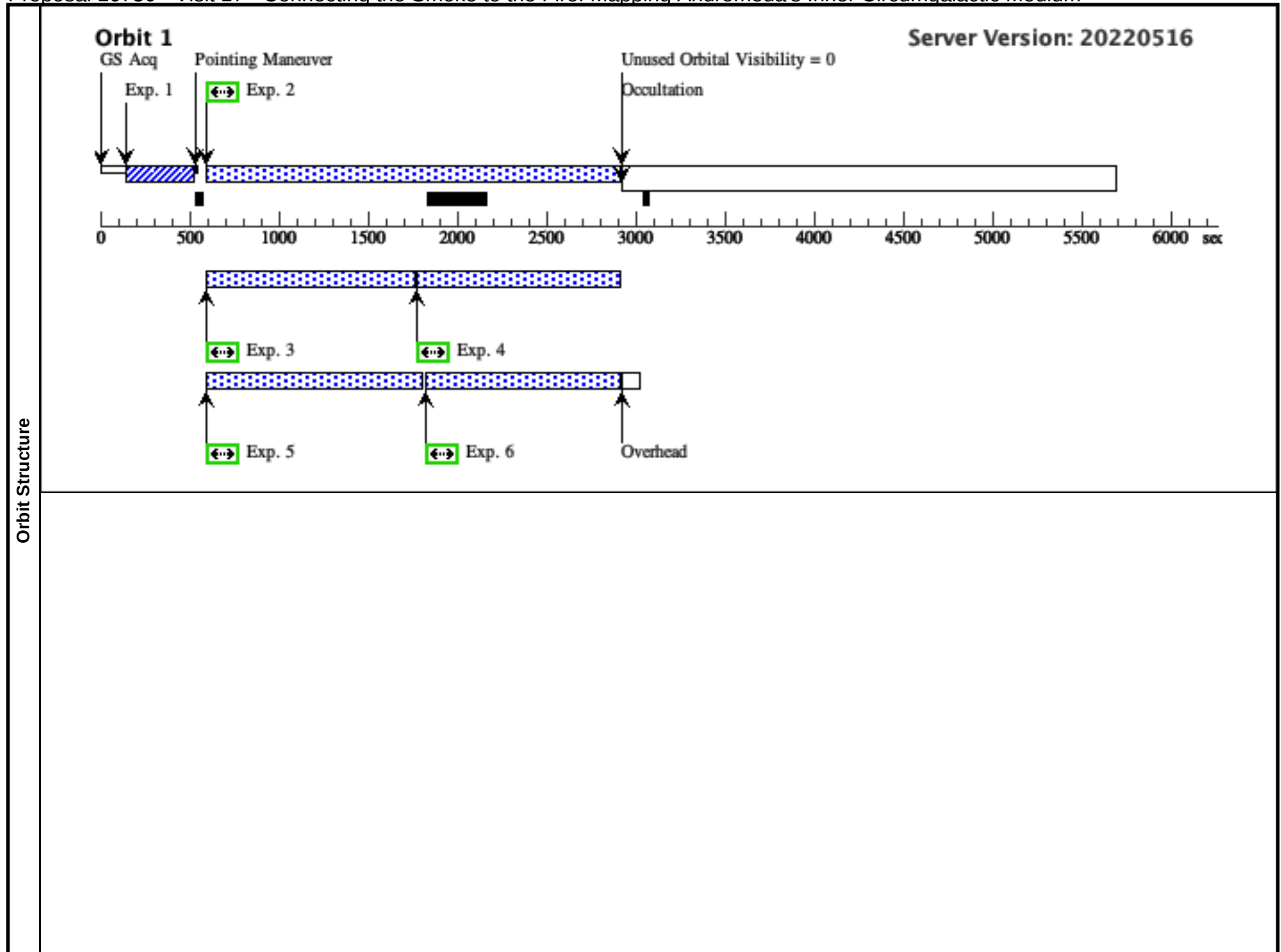


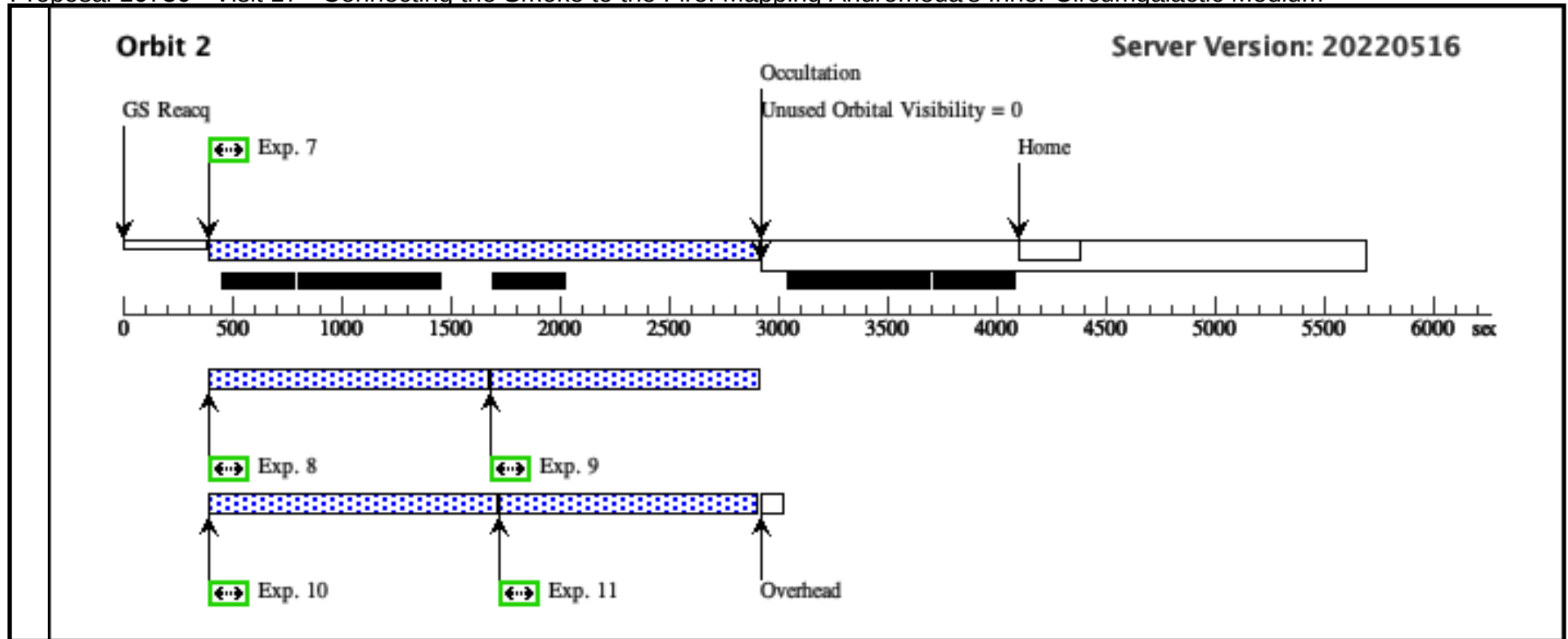
Proposal 16730 - Visit 17 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Visit	Proposal 16730, Visit 17, completed					Tue Aug 16 20:02:20 GMT 2022
	Diagnostic Status: Error					
	Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%; SAME ORIENT AS 13					
Diagnostics	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 17)) Error (Form): Illegal selection: G160M.					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 17)) Error (Form): Illegal selection: PSA.					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 17)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 17)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 17)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 17)) Error (Form): YES is not a valid selection					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 17)) Error (Form): YES is not a valid selection					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 17)) Error (Form): Illegal selection: G160M.					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 17)) Error (Form): Illegal selection: PSA.					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 17)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 17)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 17)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 17)) Error (Form): YES is not a valid selection					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 17)) Error (Form): YES is not a valid selection					
	Fixed Targets	(Visit 17) 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.				
#		Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(4)	QSO-B0047+392	RA: 00 49 52.7135 (12.4696396d) Dec: +39 31 31.62 (39.52545d) Equinox: J2000		V=18.1 GALEX FUV=18.33	Reference Frame: ICRS
	Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC, ABSORPTION LINE SYSTEM - GALACTIC] Extended=NO					

Proposal 16730 - Visit 17 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(COS.ta.154 6505)	(4) QSO-B0047+392	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				36 Secs (36 Secs)	
									[==>]	[1]
	2	(COS.sp.154 6507)	(4) QSO-B0047+392	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=15 028; SEGMENT=BOTH; FLASH=YES; FP-POS=2		Prime + Parallel Group 2-6 in Visit 17	2400 Secs (2107 Secs)	
									[==>2107.0 Secs]	[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 2-6 in Visit 17	750 Secs (960 Secs)	
									[==>960.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 2-6 in Visit 17	750 Secs (960 Secs)	
									[==>960.0 Secs]	[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 2-6 in Visit 17	900 Secs (1069 Secs)	
									[==>1069.0 Secs]	[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 2-6 in Visit 17	900 Secs (1069 Secs)	
									[==>1069.0 Secs]	[1]
	7	(COS.sp.154 6507)	(4) QSO-B0047+392	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=15 028; SEGMENT=BOTH; FLASH=YES; FP-POS=2		Prime + Parallel Group 7-11 in Visit 17	2400 Secs (2471 Secs)	
									[==>2471.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Visit 17	750 Secs (1102 Secs)	
									[==>1102.0 Secs]	[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Visit 17	750 Secs (1102 Secs)	
									[==>1102.0 Secs]	[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Visit 17	900 Secs (1186 Secs)	
									[==>1186.0 Secs]	[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Visit 17	900 Secs (1186 Secs)	
									[==>1186.0 Secs]	[2]



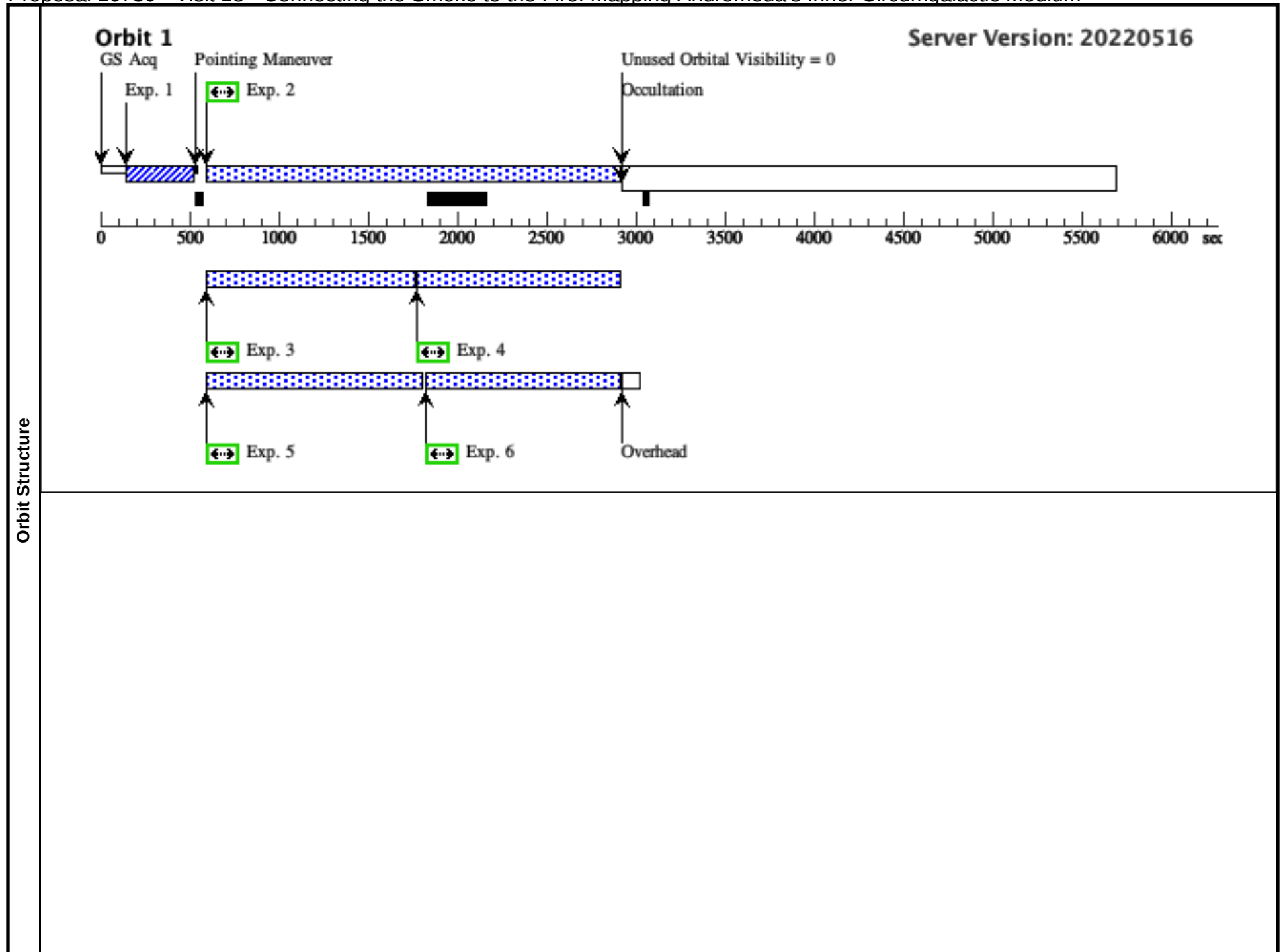


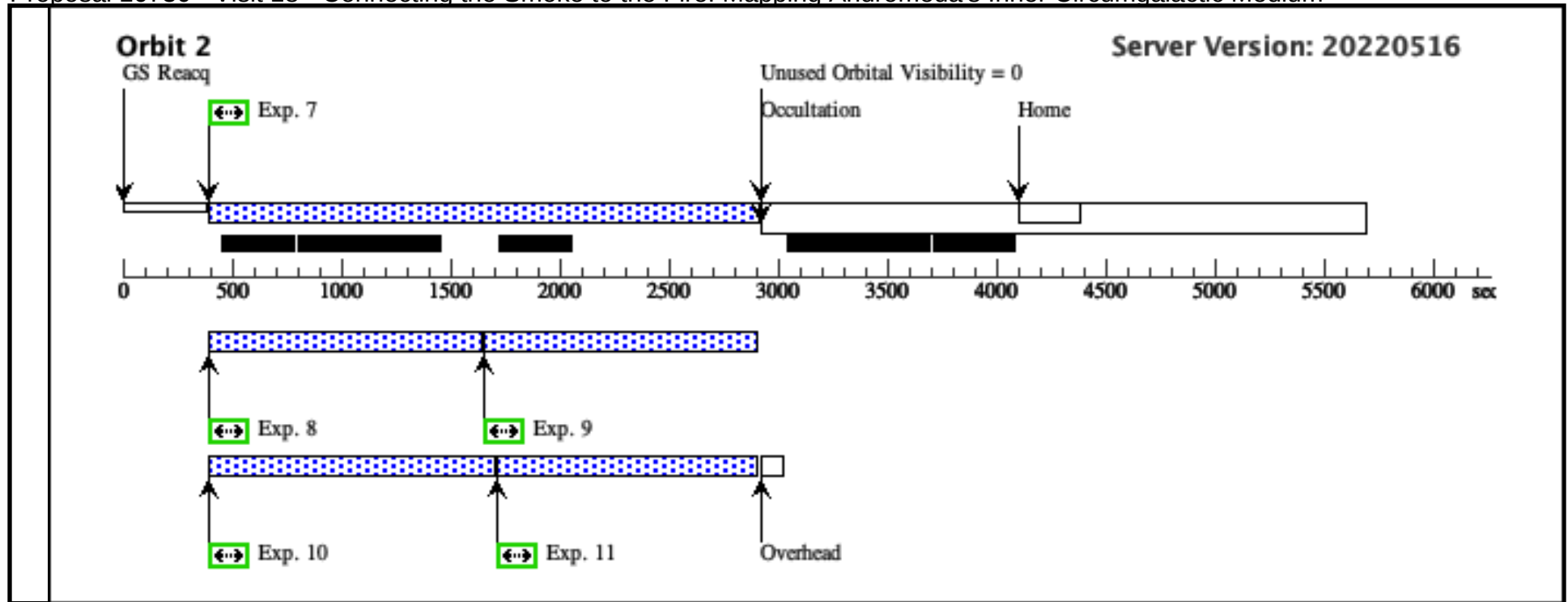
Proposal 16730 - Visit 18 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Visit	Proposal 16730, Visit 18, completed Tue Aug 16 20:02:20 GMT 2022 Diagnostic Status: Error Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV Special Requirements: SCHED 100%; SAME ORIENT AS 13																						
Diagnostics	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 18)) Error (Form): Illegal selection: G160M. (Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 18)) Error (Form): Illegal selection: PSA. (Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 18)) 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). (Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 18)) 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). (Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 18)) 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). (Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 18)) Error (Form): YES is not a valid selection (Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 18)) Error (Form): YES is not a valid selection (Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 18)) Error (Form): Illegal selection: G160M. (Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 18)) Error (Form): Illegal selection: PSA. (Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 18)) 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). (Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 18)) 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). (Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 18)) 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). (Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 18)) Error (Form): YES is not a valid selection (Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 18)) Error (Form): YES is not a valid selection (Visit 18) 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.																						
Fixed Targets	<table> <tr> <th>#</th><th>Name</th><th>Target Coordinates</th><th>Targ. Coord. Corrections</th><th>Fluxes</th><th>Miscellaneous</th></tr> <tr> <td>(4)</td><td>QSO-B0047+392</td><td>RA: 00 49 52.7135 (12.4696396d) Dec: +39 31 31.62 (39.52545d) Equinox: J2000</td><td></td><td>V=18.1 GALEX FUV=18.33</td><td>Reference Frame: ICRS</td></tr> <tr> <td colspan="6"> Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC, ABSORPTION LINE SYSTEM - GALACTIC] Extended=NO </td></tr> </table>					#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(4)	QSO-B0047+392	RA: 00 49 52.7135 (12.4696396d) Dec: +39 31 31.62 (39.52545d) Equinox: J2000		V=18.1 GALEX FUV=18.33	Reference Frame: ICRS	Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC, ABSORPTION LINE SYSTEM - GALACTIC] Extended=NO					
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																		
(4)	QSO-B0047+392	RA: 00 49 52.7135 (12.4696396d) Dec: +39 31 31.62 (39.52545d) Equinox: J2000		V=18.1 GALEX FUV=18.33	Reference Frame: ICRS																		
Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC, ABSORPTION LINE SYSTEM - GALACTIC] Extended=NO																							

Proposal 16730 - Visit 18 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(COS.ta.154 6505)	(4) QSO-B0047+392	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				36 Secs (36 Secs)		
									[==>]		[1]
	2	(COS.sp.154 6507)	(4) QSO-B0047+392	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=15 028; SEGMENT=BOTH; FLASH=YES; FP-POS=3		Prime + Parallel Group 2-6 in Visit 18	784 Secs (2107 Secs)		
									[==>2107.0 Secs]		[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 2-6 in Visit 18	750 Secs (960 Secs)		
									[==>960.0 Secs]		[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 2-6 in Visit 18	750 Secs (960 Secs)		
									[==>960.0 Secs]		[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 2-6 in Visit 18	900 Secs (1068.5 Secs)		
									[==>1068.5 Secs]		[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 2-6 in Visit 18	900 Secs (1068.5 Secs)		
									[==>1068.5 Secs]		[1]
	7	(COS.sp.154 6507)	(4) QSO-B0047+392	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=15 028; SEGMENT=BOTH; FLASH=YES; FP-POS=3		Prime + Parallel Group 7-11 in Visit 18	2400 Secs (2471 Secs)		
									[==>2471.0 Secs]		[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Visit 18	750 Secs (1074 Secs)		
									[==>1074.0 Secs]		[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 7-11 in Visit 18	750 Secs (1074 Secs)		
									[==>1074.0 Secs]		[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Visit 18	900 Secs (1174 Secs)		
									[==>1174.0 Secs]		[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 7-11 in Visit 18	900 Secs (1174 Secs)		
									[==>1174.0 Secs]		[2]



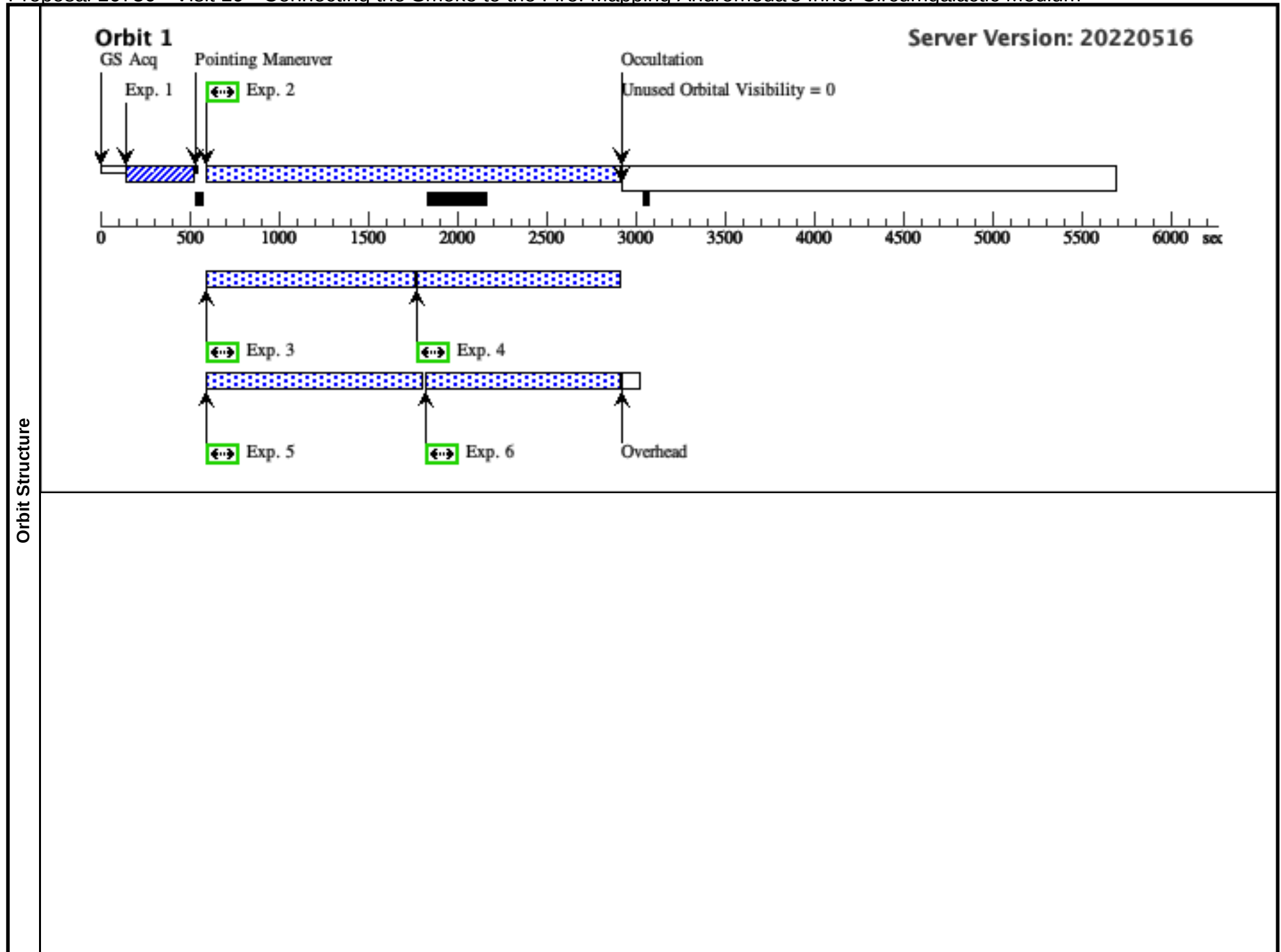


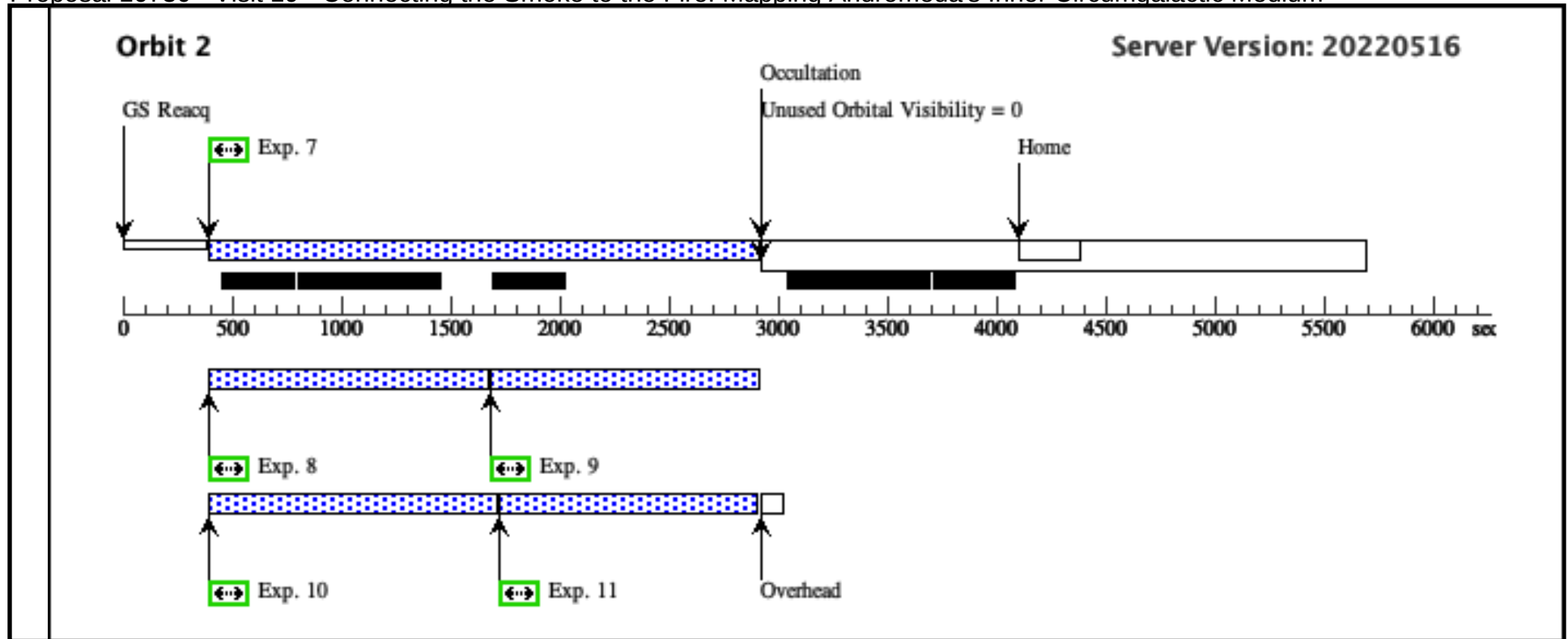
Proposal 16730 - Visit 19 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Visit	Proposal 16730, Visit 19, completed				Tue Aug 16 20:02:20 GMT 2022	
	Diagnostic Status: Error					
	Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%; SAME ORIENT AS 13					
Diagnostics	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 19)) Error (Form): Illegal selection: G160M.					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 19)) Error (Form): Illegal selection: PSA.					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 19)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 19)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 19)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 19)) Error (Form): YES is not a valid selection					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 19)) Error (Form): YES is not a valid selection					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 19)) Error (Form): Illegal selection: G160M.					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 19)) Error (Form): Illegal selection: PSA.					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 19)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 19)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 19)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 19)) Error (Form): YES is not a valid selection					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 19)) Error (Form): YES is not a valid selection					
	Fixed Targets	(Visit 19) 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.				
#		Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(4)	QSO-B0047+392	RA: 00 49 52.7135 (12.4696396d) Dec: +39 31 31.62 (39.52545d) Equinox: J2000		V=18.1 GALEX FUV=18.33	Reference Frame: ICRS
	Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC, ABSORPTION LINE SYSTEM - GALACTIC] Extended=NO					

Proposal 16730 - Visit 19 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(COS.ta.154 6505)	(4) QSO-B0047+392	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				36 Secs (36 Secs)	
									[==>]	[1]
	2	(COS.sp.154 6507)	(4) QSO-B0047+392	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=15 028; SEGMENT=BOTH; FLASH=YES; FP-POS=4		Prime + Parallel Group 2-6 in Visit 19	2400 Secs (2107 Secs)	
									[==>2107.0 Secs]	[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 2-6 in Visit 19	750 Secs (960 Secs)	
									[==>960.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 2-6 in Visit 19	750 Secs (960 Secs)	
									[==>960.0 Secs]	[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 2-6 in Visit 19	900 Secs (1069 Secs)	
									[==>1069.0 Secs]	[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 2-6 in Visit 19	900 Secs (1069 Secs)	
									[==>1069.0 Secs]	[1]
	7	(COS.sp.154 6507)	(4) QSO-B0047+392	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=15 028; SEGMENT=BOTH; FLASH=YES; FP-POS=4		Prime + Parallel Group 7-11 in Visit 19	2400 Secs (2471 Secs)	
									[==>2471.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Visit 19	750 Secs (1102 Secs)	
									[==>1102.0 Secs]	[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Visit 19	750 Secs (1102 Secs)	
									[==>1102.0 Secs]	[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Visit 19	900 Secs (1186 Secs)	
									[==>1186.0 Secs]	[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Visit 19	900 Secs (1186 Secs)	
									[==>1186.0 Secs]	[2]



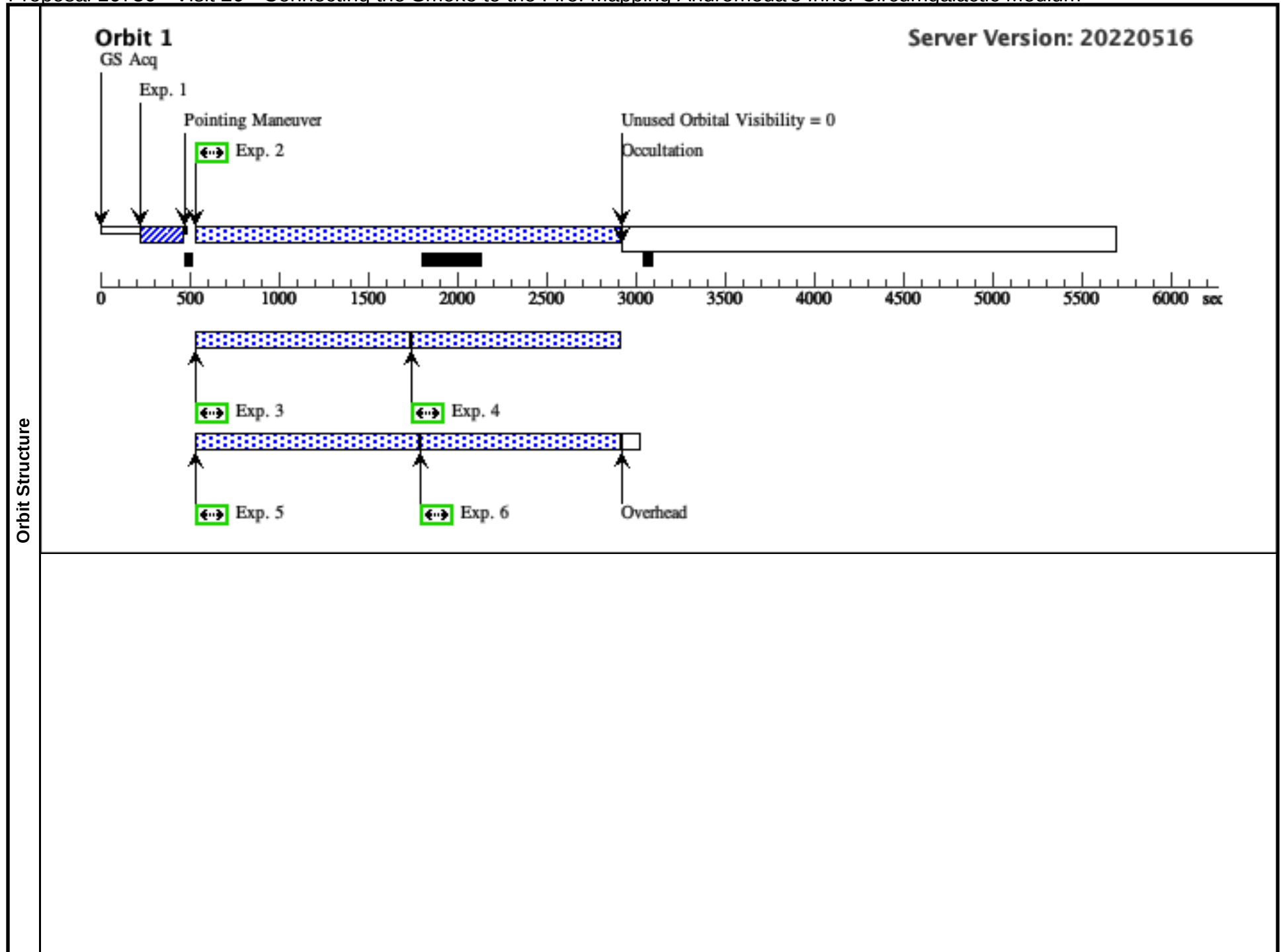


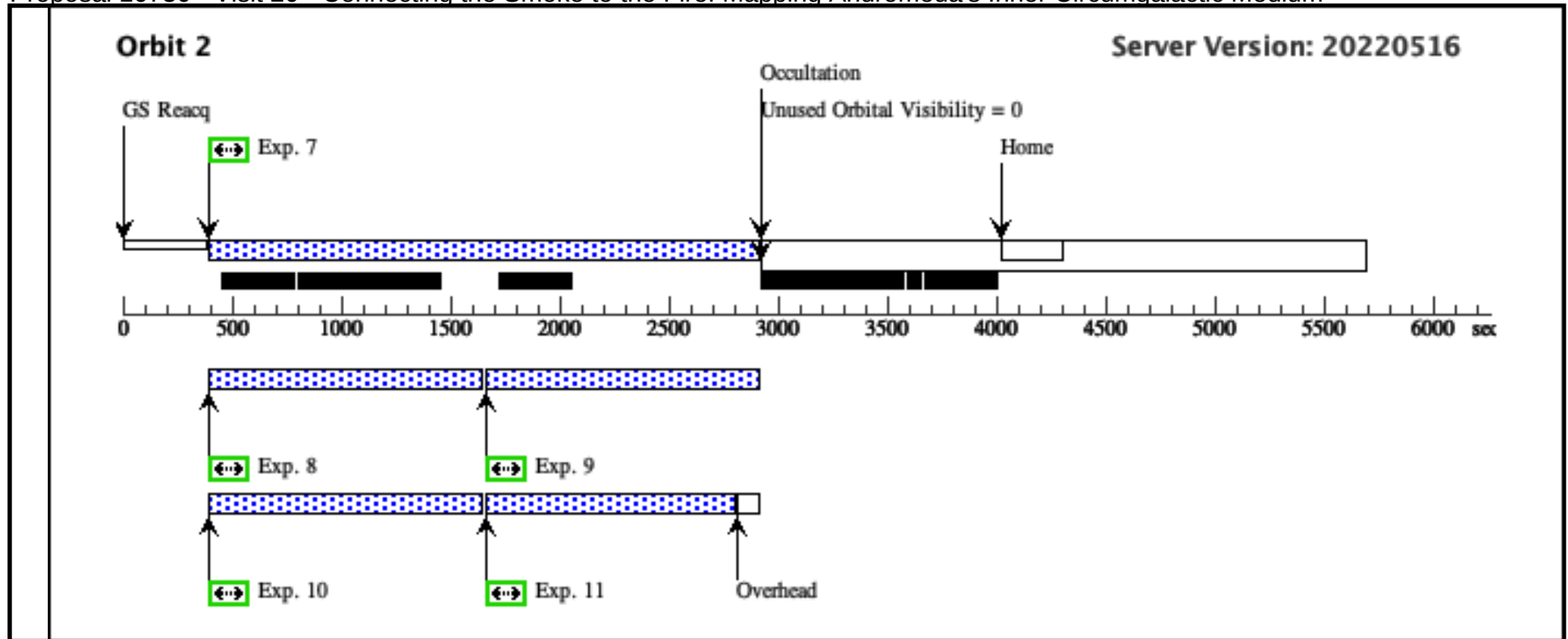
Proposal 16730 - Visit 20 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Visit	Proposal 16730, Visit 20, completed					Tue Aug 16 20:02:20 GMT 2022
	Diagnostic Status: Warning					
	Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%					
Diagnos	(Visit 20) 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.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(5)	IVZW29	RA: 00 42 16.1208 (10.5671700d)		V=17.3	Reference Frame: ICRS
			Dec: +40 19 35.87 (40.32663d)		GALEX FUV=18.85 (FUV) = 1.	
			Equinox: J2000		0E-15 cgs (GHRS G140L)	
	Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC, ABSORPTION LINE SYSTEM - GALACTIC] Extended=NO					

Proposal 16730 - Visit 20 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(COS.ta.154 7038)	(5) IVZW29	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				5.1 Secs (5.1 Secs)	
									[==>]	[1]
	2	(COS.sp.152 6523)	(5) IVZW29	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=52 87; FP-POS=3; SEGMENT=BOTH; FLASH=YES		Prime + Parallel Group 2-6 in Visit 20	2400 Secs (2211 Secs)	
									[==>2211.0 Secs]	[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 2-6 in Visit 20	750 Secs (991 Secs)	
									[==>991.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 2-6 in Visit 20	750 Secs (991 Secs)	
									[==>991.0 Secs]	[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 2-6 in Visit 20	900 Secs (1100 Secs)	
									[==>1100.0 Secs]	[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 2-6 in Visit 20	900 Secs (1100 Secs)	
									[==>1100.0 Secs]	[1]
	7	(COS.sp.152 6523)	(5) IVZW29	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=52 87; SEGMENT=BOTH; FLASH=YES; FP-POS=3		Prime + Parallel Group 7-11 in Visit 20	2400 Secs (2473 Secs)	
									[==>2473.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Visit 20	750 Secs (1075 Secs)	
									[==>1075.0 Secs]	[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 7-11 in Visit 20	750 Secs (1075 Secs)	
									[==>1075.0 Secs]	[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Visit 20	900 Secs (1117 Secs)	
									[==>1117.0 Secs]	[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 7-11 in Visit 20	900 Secs (1117 Secs)	
									[==>1117.0 Secs]	[2]



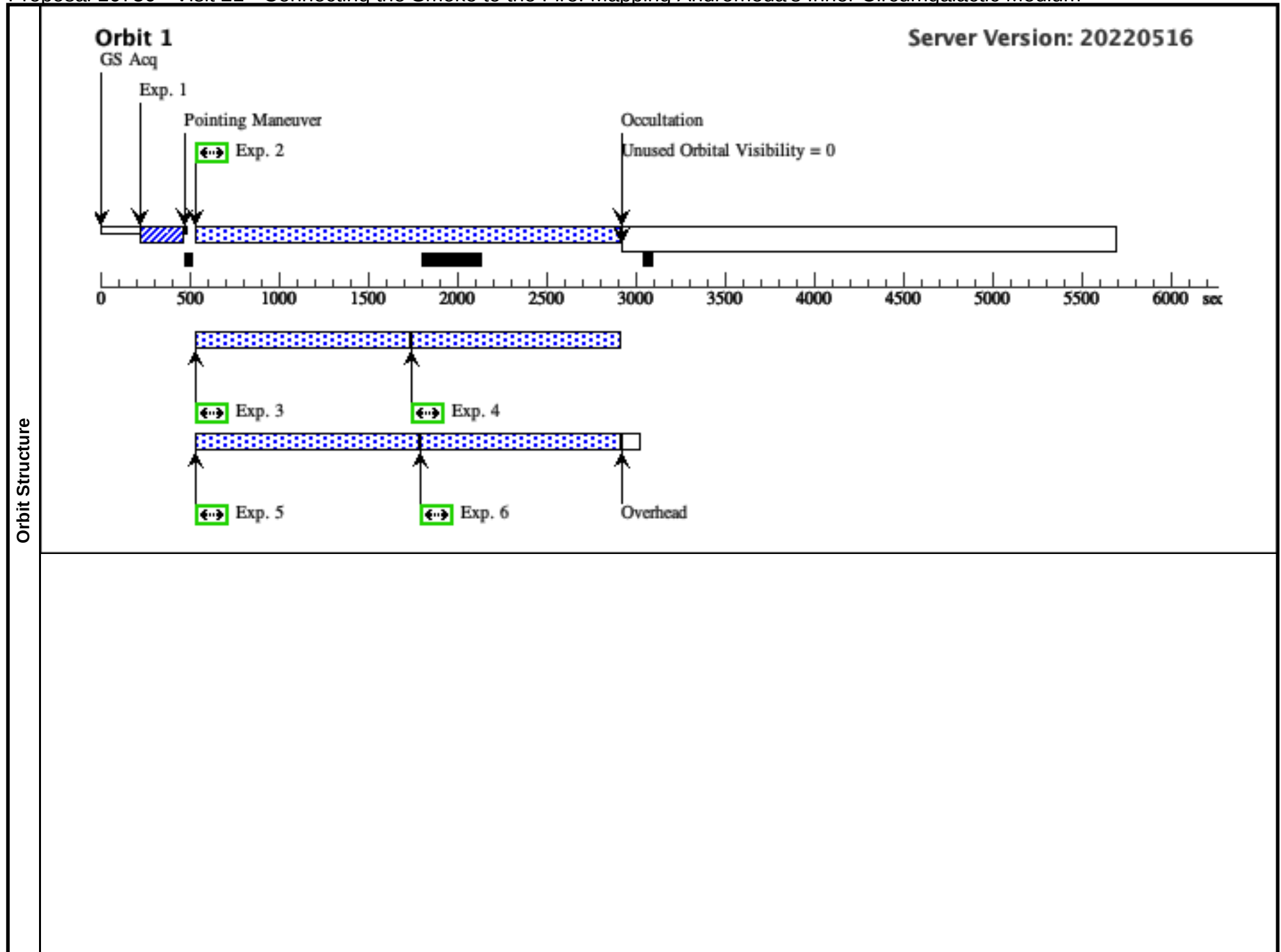


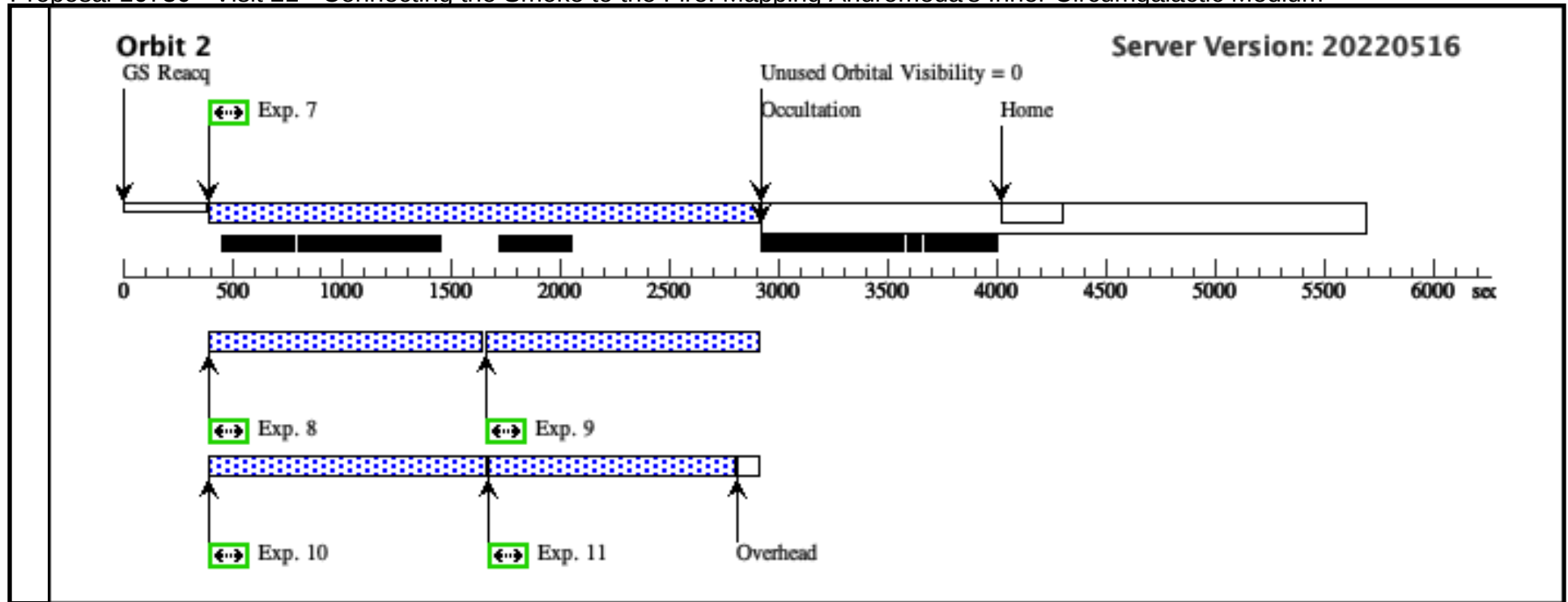
Proposal 16730 - Visit 21 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Visit	Proposal 16730, Visit 21, completed					Tue Aug 16 20:02:21 GMT 2022
	Diagnostic Status: Warning					
	Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%; SAME ORIENT AS 20					
Diagnosics	(Visit 21) 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.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(5)	IVZW29	RA: 00 42 16.1208 (10.5671700d)		V=17.3	Reference Frame: ICRS
			Dec: +40 19 35.87 (40.32663d)		GALEX FUV=18.85 (FUV) = 1.	
			Equinox: J2000		0E-15 cgs (GHRS G140L)	
	Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC, ABSORPTION LINE SYSTEM - GALACTIC] Extended=NO					

Proposal 16730 - Visit 21 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(COS.ta.154 7038)	(5) IVZW29	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				5.1 Secs (5.1 Secs)		
									[==>]		[1]
	2	(COS.sp.152 6523)	(5) IVZW29	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=52 87; FP-POS=3; SEGMENT=BOTH; FLASH=YES		Prime + Parallel Group 2-6 in Visit 21	2400 Secs (2211 Secs)		
									[==>2211.0 Secs]		[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 2-6 in Visit 21	750 Secs (991 Secs)		
									[==>991.0 Secs]		[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 2-6 in Visit 21	750 Secs (991 Secs)		
									[==>991.0 Secs]		[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 2-6 in Visit 21	900 Secs (1100 Secs)		
									[==>1100.0 Secs]		[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 2-6 in Visit 21	900 Secs (1100 Secs)		
									[==>1100.0 Secs]		[1]
	7	(COS.sp.152 6523)	(5) IVZW29	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=52 87; FP-POS=4; SEGMENT=BOTH; FLASH=YES		Prime + Parallel Group 7-11 in Visit 21	2400 Secs (2470 Secs)		
									[==>2470.0 Secs]		[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Visit 21	750 Secs (1075 Secs)		
									[==>1075.0 Secs]		[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 7-11 in Visit 21	750 Secs (1075 Secs)		
									[==>1075.0 Secs]		[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Visit 21	900 Secs (1129 Secs)		
									[==>1129.0 Secs]		[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Visit 21	900 Secs (1129 Secs)		
									[==>1129.0 Secs]		[2]





Proposal 16730 - Visit 22 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

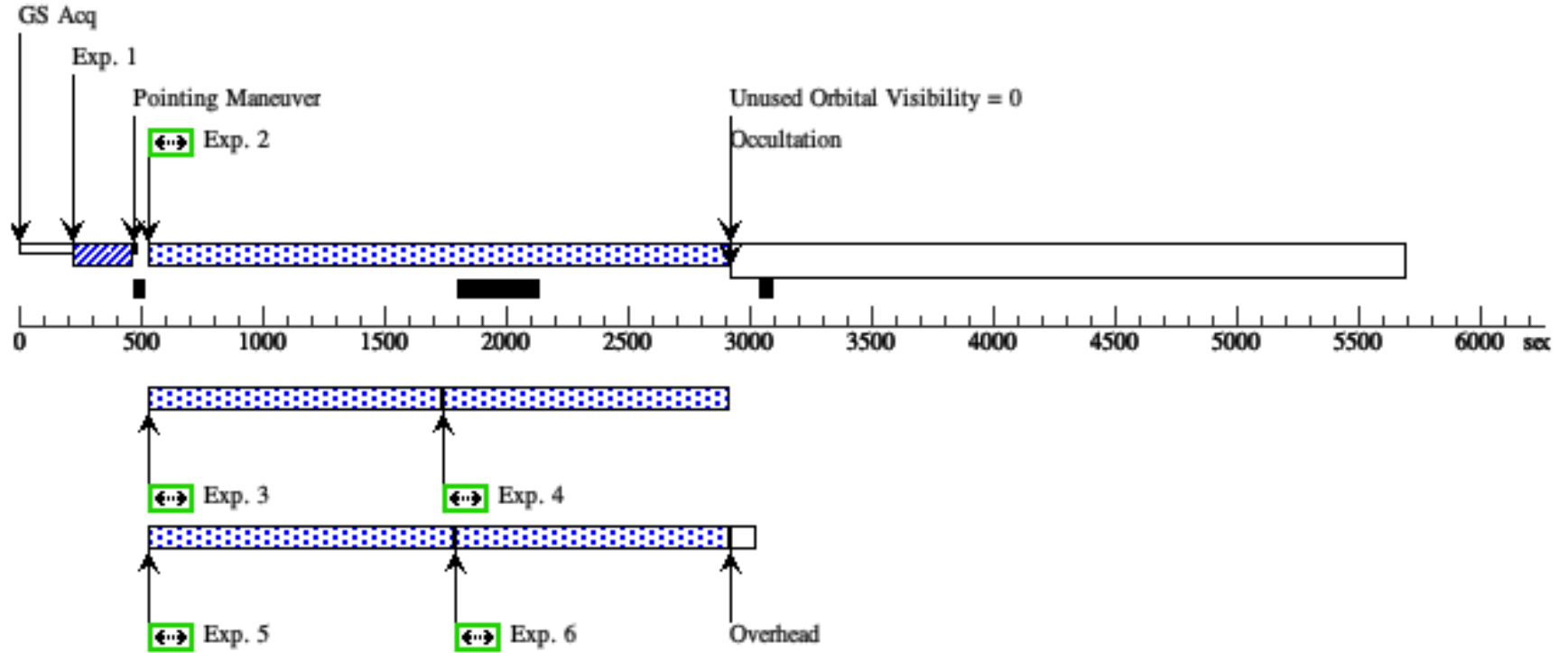
Visit	Proposal 16730, Visit 22, completed					Tue Aug 16 20:02:21 GMT 2022
	Diagnostic Status: Warning					
	Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%; SAME ORIENT AS 20					
Diagnosics	(Visit 22) Warning (Form): For the best data quality, it 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.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(5)	IVZW29	RA: 00 42 16.1208 (10.5671700d)		V=17.3	Reference Frame: ICRS
			Dec: +40 19 35.87 (40.32663d)		GALEX FUV=18.85 (FUV) = 1.	
			Equinox: J2000		0E-15 cgs (GHRS G140L)	
		Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC, ABSORPTION LINE SYSTEM - GALACTIC] Extended=NO				

Proposal 16730 - Visit 22 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(COS.ta.154 7038)	(5) IVZW29	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				5.1 Secs (5.1 Secs)	
									[==>]	[1]
	2	(COS.sp.152 6523)	(5) IVZW29	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=52 87; FP-POS=4; SEGMENT=BOTH; FLASH=YES		Prime + Parallel Group 2-6 in Visit 22	2400 Secs (2211 Secs)	
									[==>2211.0 Secs]	[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 2-6 in Visit 22	750 Secs (991 Secs)	
									[==>991.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 2-6 in Visit 22	750 Secs (991 Secs)	
									[==>991.0 Secs]	[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 2-6 in Visit 22	900 Secs (1100 Secs)	
									[==>1100.0 Secs]	[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 2-6 in Visit 22	900 Secs (1100 Secs)	
									[==>1100.0 Secs]	[1]
	7	(COS.sp.152 6523)	(5) IVZW29	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=52 87; SEGMENT=BOTH; FLASH=YES; FP-POS=4		Prime + Parallel Group 7-11 in Visit 22	2400 Secs (2473 Secs)	
									[==>2473.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Visit 22	750 Secs (1075 Secs)	
									[==>1075.0 Secs]	[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 7-11 in Visit 22	750 Secs (1075 Secs)	
									[==>1075.0 Secs]	[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Visit 22	900 Secs (1117 Secs)	
									[==>1117.0 Secs]	[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 7-11 in Visit 22	900 Secs (1117 Secs)	
									[==>1117.0 Secs]	[2]
	12	(COS.sp.152 6523)	(5) IVZW29	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=52 87; FP-POS=4; SEGMENT=BOTH; FLASH=YES		Prime + Parallel Group 12-16 in Visit 22	2400 Secs (2473 Secs)	
									[==>2473.0 Secs]	[3]
	13		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 12-16 in Visit 22	750 Secs (1075 Secs)	
									[==>1075.0 Secs]	[3]
	14		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 12-16 in Visit 22	750 Secs (1075 Secs)	
									[==>1075.0 Secs]	[3]
	15		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 12-16 in Visit 22	900 Secs (1117 Secs)	
									[==>1117.0 Secs]	[3]
	16		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 12-16 in Visit 22	900 Secs (1117 Secs)	
									[==>1117.0 Secs]	[3]

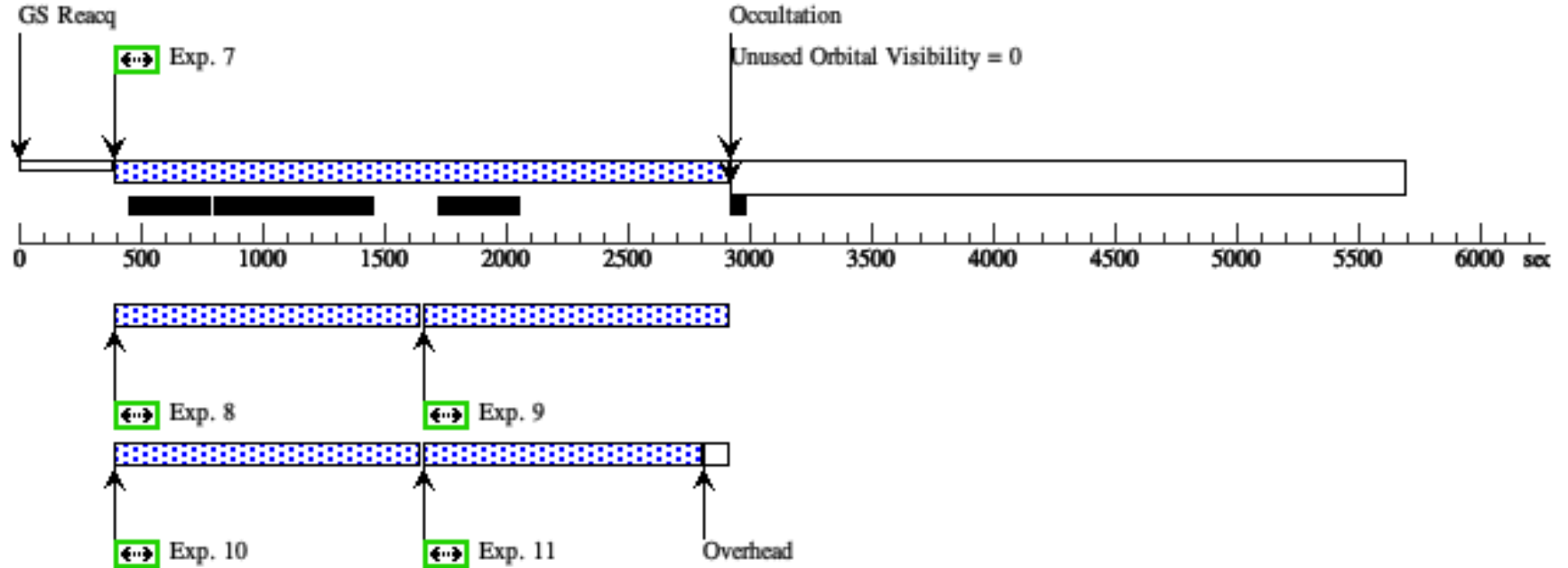
Orbit 1

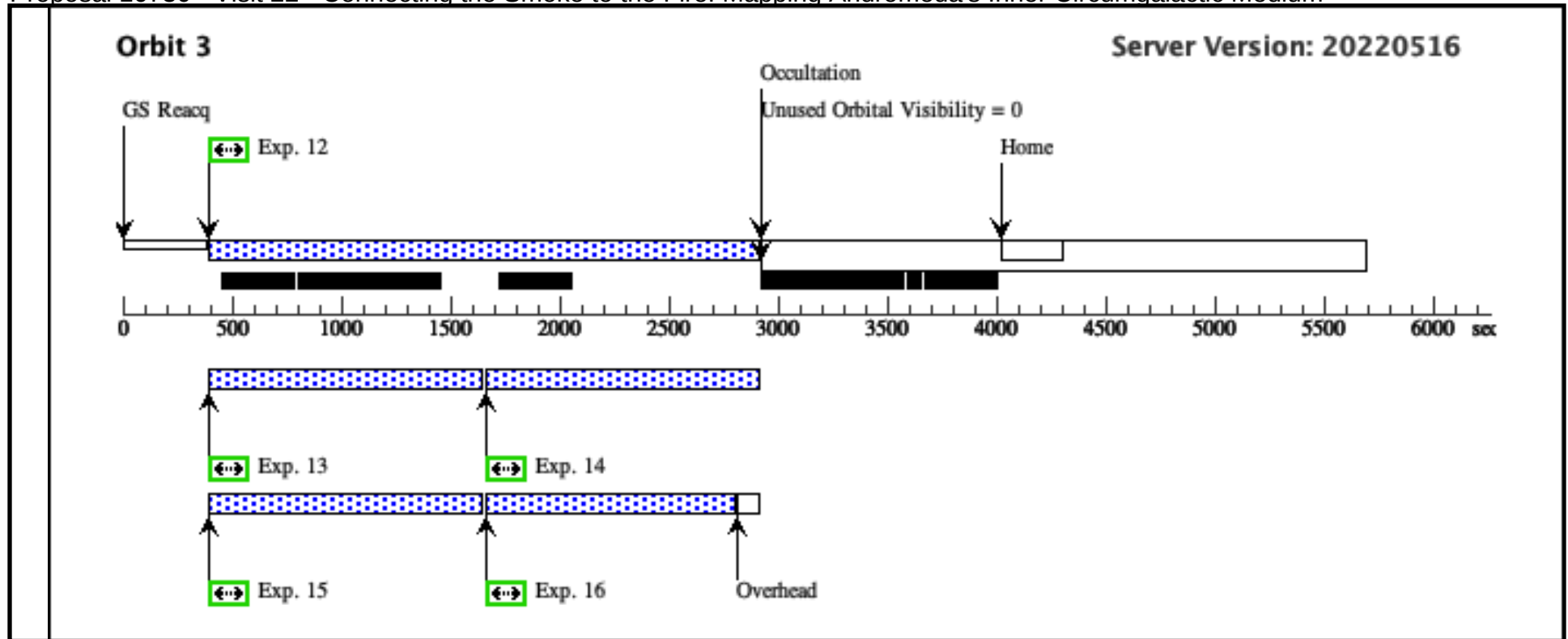
Server Version: 20220516



Orbit 2

Server Version: 20220516



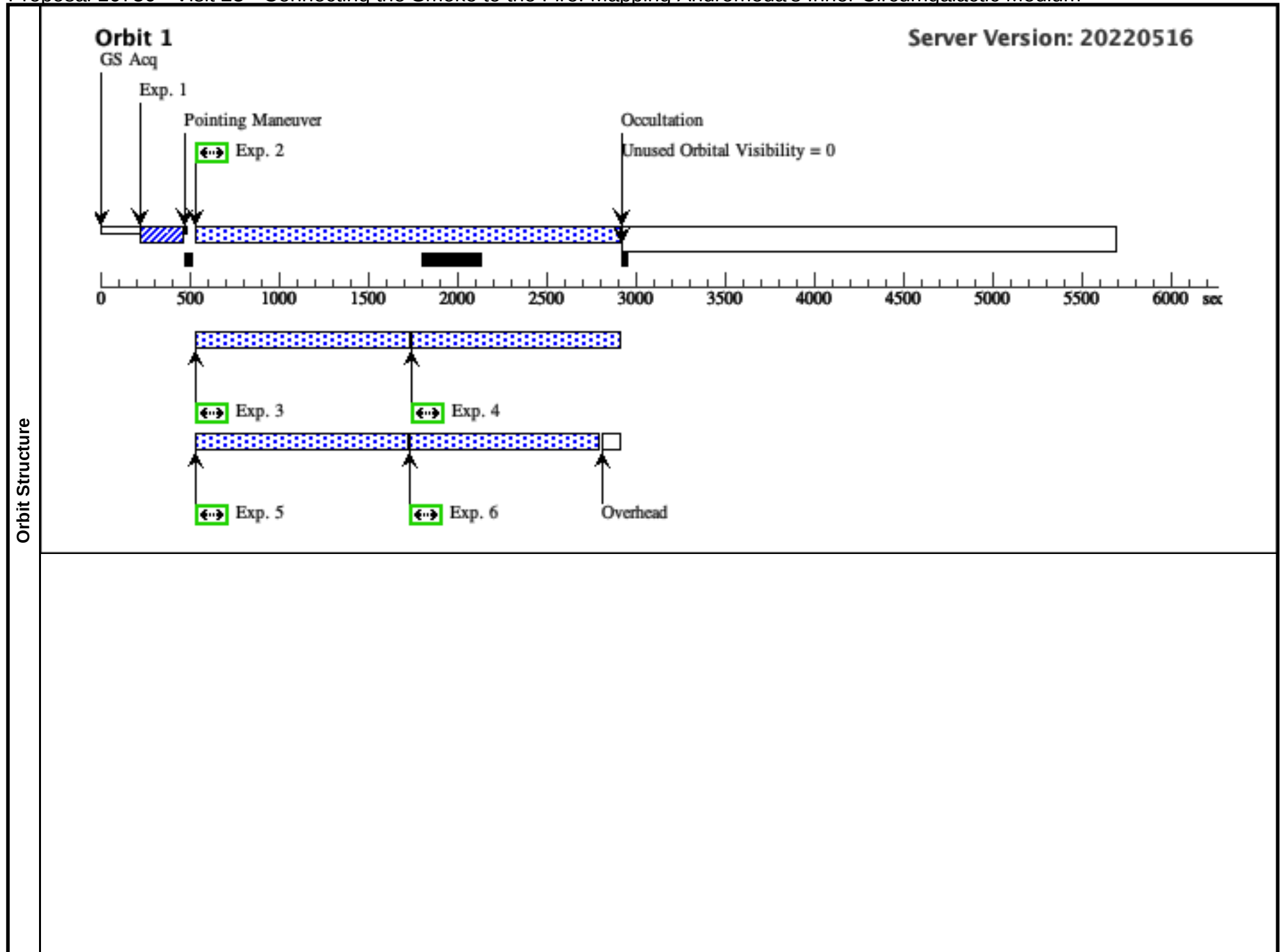


Proposal 16730 - Visit 23 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Visit	Proposal 16730, Visit 23, completed					Tue Aug 16 20:02:21 GMT 2022
	Diagnostic Status: Error					
Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV						
Special Requirements: SCHED 100%; SAME ORIENT AS 20						
Diagnostics	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 23)) Error (Form): Illegal selection: G160M.					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 23)) Error (Form): Illegal selection: PSA.					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 23)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 23)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 23)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 23)) Error (Form): YES is not a valid selection					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 23)) Error (Form): YES is not a valid selection					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 23)) Error (Form): Illegal selection: G160M.					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 23)) Error (Form): Illegal selection: PSA.					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 23)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 23)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 23)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 23)) Error (Form): YES is not a valid selection					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 23)) Error (Form): YES is not a valid selection					
	(Primary Exposure 12 (Prime + Parallel Group 12-16 in Visit 23)) Error (Form): Illegal selection: G160M.					
	(Primary Exposure 12 (Prime + Parallel Group 12-16 in Visit 23)) Error (Form): Illegal selection: PSA.					
	(Primary Exposure 12 (Prime + Parallel Group 12-16 in Visit 23)) 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).					
	(Primary Exposure 12 (Prime + Parallel Group 12-16 in Visit 23)) 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).					
	(Primary Exposure 12 (Prime + Parallel Group 12-16 in Visit 23)) 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).					
	(Primary Exposure 12 (Prime + Parallel Group 12-16 in Visit 23)) Error (Form): YES is not a valid selection					
(Primary Exposure 12 (Prime + Parallel Group 12-16 in Visit 23)) Error (Form): YES is not a valid selection						
(Visit 23) 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.						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(5)	IVZW29	RA: 00 42 16.1208 (10.5671700d) Dec: +40 19 35.87 (40.32663d) Equinox: J2000		V=17.3 GALEX FUV=18.85 (FUV) = 1. 0E-15 cgs (GHRS G140L)	Reference Frame: ICRS
	Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC, ABSORPTION LINE SYSTEM - GALACTIC] Extended=NO					

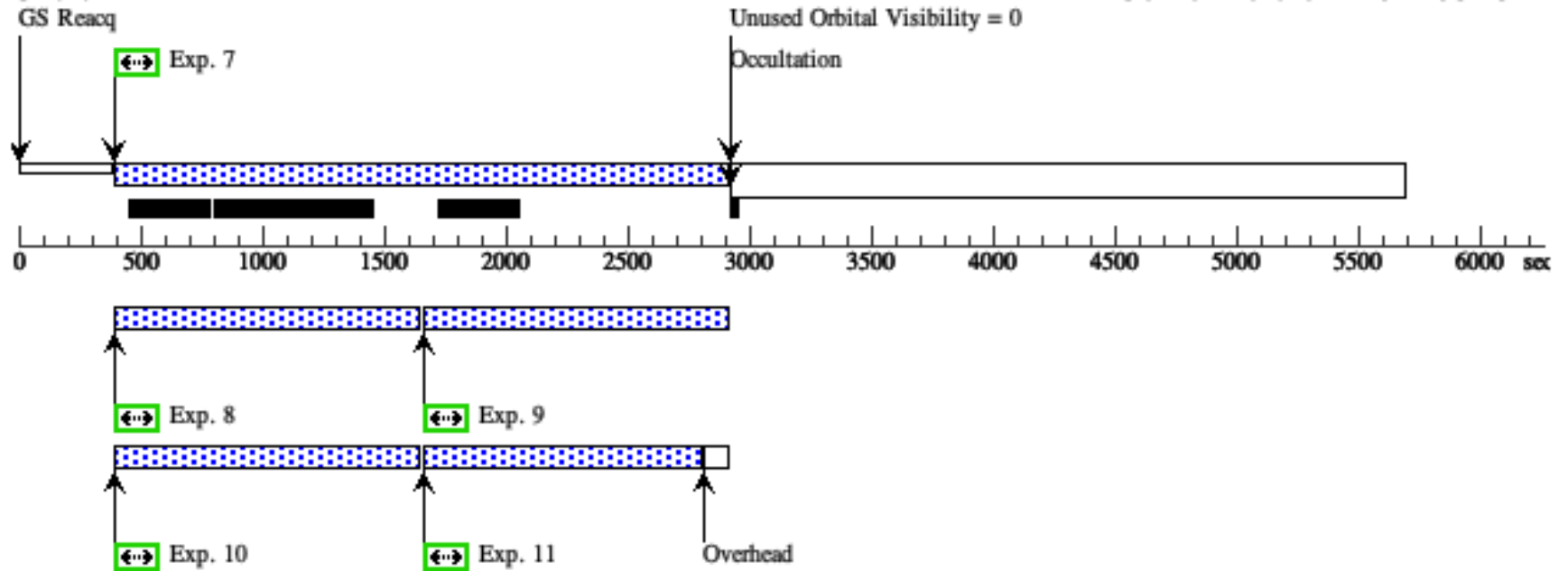
Proposal 16730 - Visit 23 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

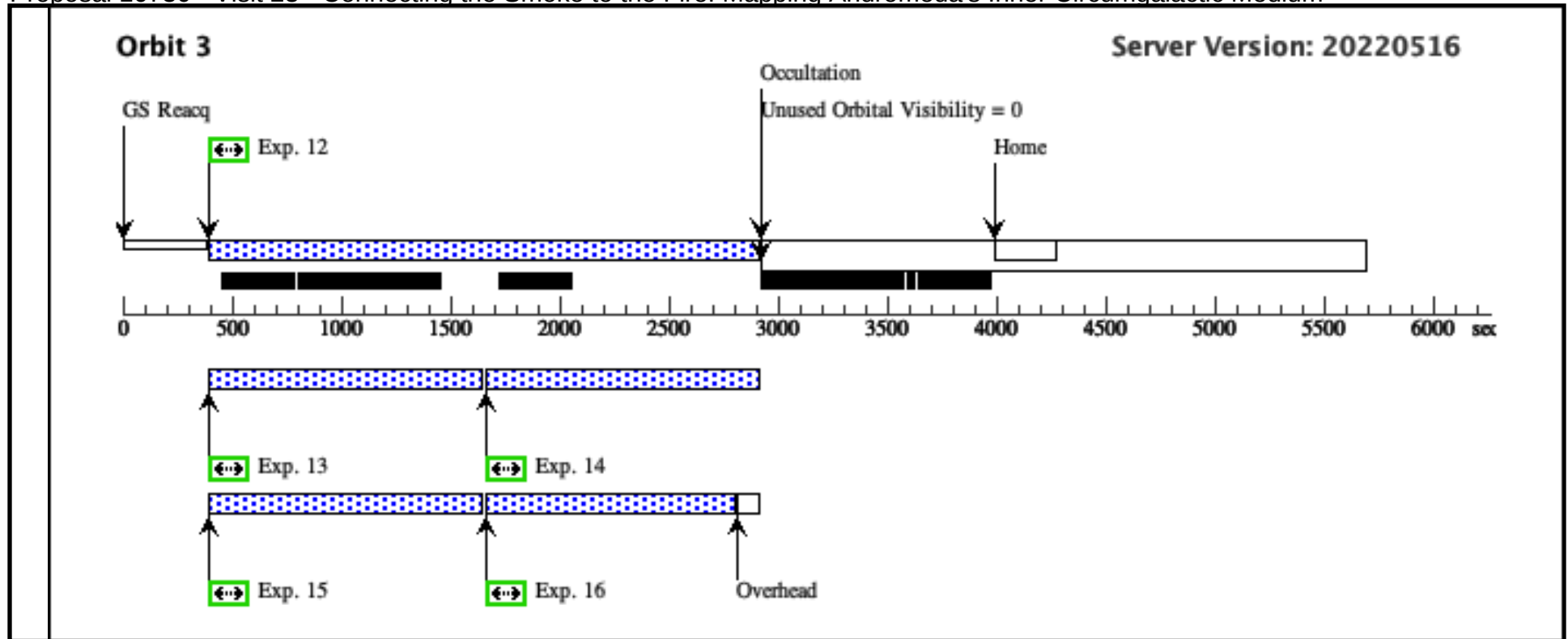
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(COS.ta.154 7038)	(5) IVZW29	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				5.1 Secs (5.1 Secs)		
									[==>]		[1]
	2	(COS.sa.152 6552)	(5) IVZW29	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=19 338; SEGMENT=BOTH; FLASH=YES; FP-POS=1		Prime + Parallel Group 2-6 in Visit 23	784 Secs (2169 Secs)		
									[==>2169.0 Secs]		[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 2-6 in Visit 23	750 Secs (991 Secs)		
									[==>991.0 Secs]		[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 2-6 in Visit 23	750 Secs (991 Secs)		
									[==>991.0 Secs]		[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 2-6 in Visit 23	900 Secs (1041.5 Secs)		
									[==>1041.5 Secs]		[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 2-6 in Visit 23	900 Secs (1041.5 Secs)		
									[==>1041.5 Secs]		[1]
	7	(COS.sa.152 6552)	(5) IVZW29	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=19 338; SEGMENT=BOTH; FLASH=YES; FP-POS=1		Prime + Parallel Group 7-11 in Visit 23	2400 Secs (2473 Secs)		
									[==>2473.0 Secs]		[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Visit 23	750 Secs (1075 Secs)		
									[==>1075.0 Secs]		[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 7-11 in Visit 23	750 Secs (1075 Secs)		
									[==>1075.0 Secs]		[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Visit 23	900 Secs (1117 Secs)		
									[==>1117.0 Secs]		[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 7-11 in Visit 23	900 Secs (1117 Secs)		
									[==>1117.0 Secs]		[2]
	12	(COS.sa.152 6552)	(5) IVZW29	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=19 338; SEGMENT=BOTH; FLASH=YES; FP-POS=1		Prime + Parallel Group 12-16 in Visit 23	2400 Secs (2473 Secs)		
									[==>2473.0 Secs]		[3]
	13		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 12-16 in Visit 23	750 Secs (1075 Secs)		
									[==>1075.0 Secs]		[3]
	14		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 12-16 in Visit 23	750 Secs (1075 Secs)		
									[==>1075.0 Secs]		[3]
	15		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 12-16 in Visit 23	900 Secs (1117 Secs)		
									[==>1117.0 Secs]		[3]
	16		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 12-16 in Visit 23	900 Secs (1117 Secs)		
									[==>1117.0 Secs]		[3]



Orbit 2

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Proposal 16730 - Visit 24 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

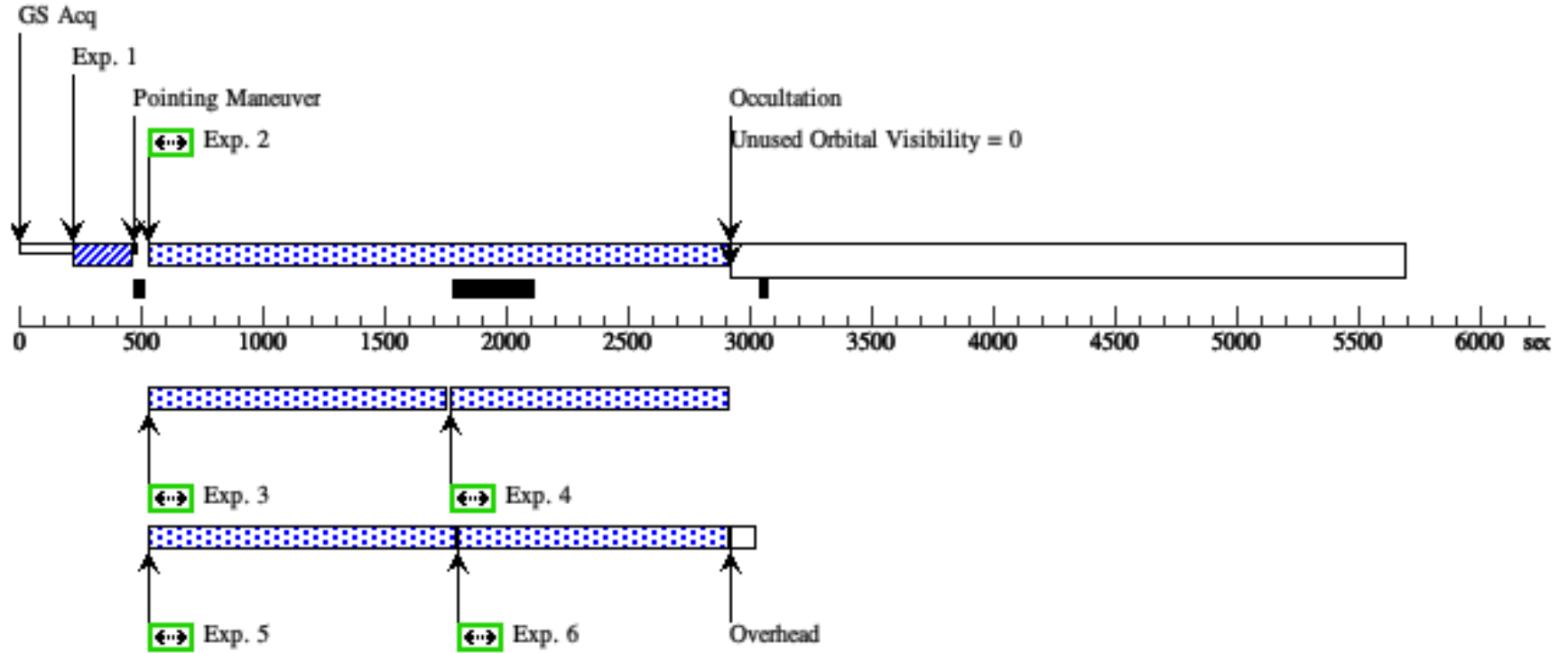
Visit	Proposal 16730, Visit 24, completed				Tue Aug 16 20:02:21 GMT 2022	
	Diagnostic Status: Error Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV Special Requirements: SCHED 100%; SAME ORIENT AS 20					
Diagnostics	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 24)) Error (Form): Illegal selection: G160M.					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 24)) Error (Form): Illegal selection: PSA.					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 24)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 24)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 24)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 24)) Error (Form): YES is not a valid selection					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 24)) Error (Form): YES is not a valid selection					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 24)) Error (Form): Illegal selection: G160M.					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 24)) Error (Form): Illegal selection: PSA.					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 24)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 24)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 24)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 24)) Error (Form): YES is not a valid selection					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 24)) Error (Form): YES is not a valid selection					
(Visit 24) 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.						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(5)	IVZW29	RA: 00 42 16.1208 (10.5671700d) Dec: +40 19 35.87 (40.32663d) Equinox: J2000		V=17.3 GALEX FUV=18.85 (FUV) = 1. 0E-15 cgs (GHRS G140L)	Reference Frame: ICRS
Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC, ABSORPTION LINE SYSTEM - GALACTIC] Extended=NO						

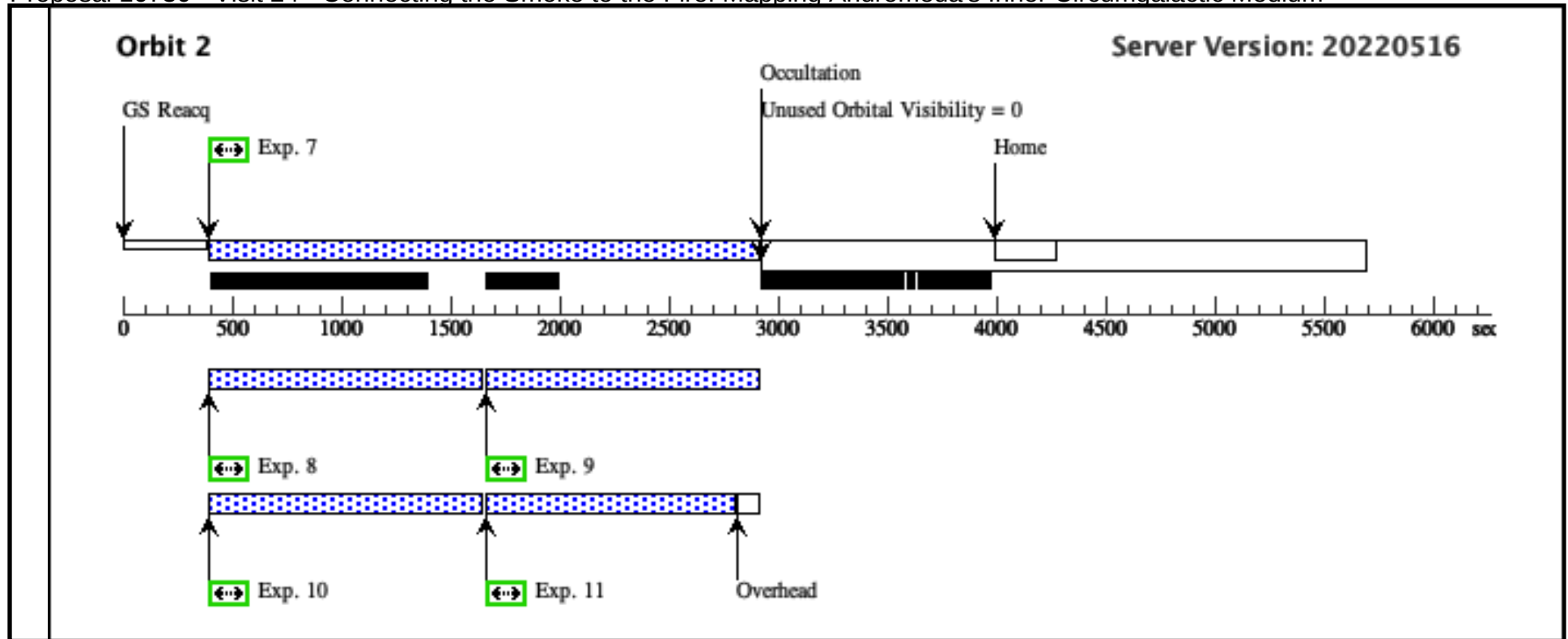
Proposal 16730 - Visit 24 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(COS.ta.154 7038)	(5) IVZW29	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				5.1 Secs (5.1 Secs)		
									[==>]		[1]
	2	(COS.sa.152 6552)	(5) IVZW29	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=19 338; SEGMENT=BOTH; FLASH=YES; FP-POS=2		Prime + Parallel Group 2-6 in Visit 24	2400 Secs (2169 Secs)		
									[==>2169.0 Secs]		[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 2-6 in Visit 24	750 Secs (1018 Secs)		
									[==>1018.0 Secs]		[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 2-6 in Visit 24	750 Secs (1018 Secs)		
									[==>1018.0 Secs]		[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 2-6 in Visit 24	900 Secs (1111 Secs)		
									[==>1111.0 Secs]		[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 2-6 in Visit 24	900 Secs (1111 Secs)		
									[==>1111.0 Secs]		[1]
	7	(COS.sa.152 6552)	(5) IVZW29	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=19 338; SEGMENT=BOTH; FLASH=YES; FP-POS=2		Prime + Parallel Group 7-11 in Visit 24	2400 Secs (2473 Secs)		
									[==>2473.0 Secs]		[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Visit 24	750 Secs (1130 Secs)		
									[==>1130.0 Secs]		[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Visit 24	750 Secs (1130 Secs)		
									[==>1130.0 Secs]		[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Visit 24	900 Secs (1140 Secs)		
									[==>1140.0 Secs]		[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Visit 24	900 Secs (1140 Secs)		
									[==>1140.0 Secs]		[2]

Orbit 1

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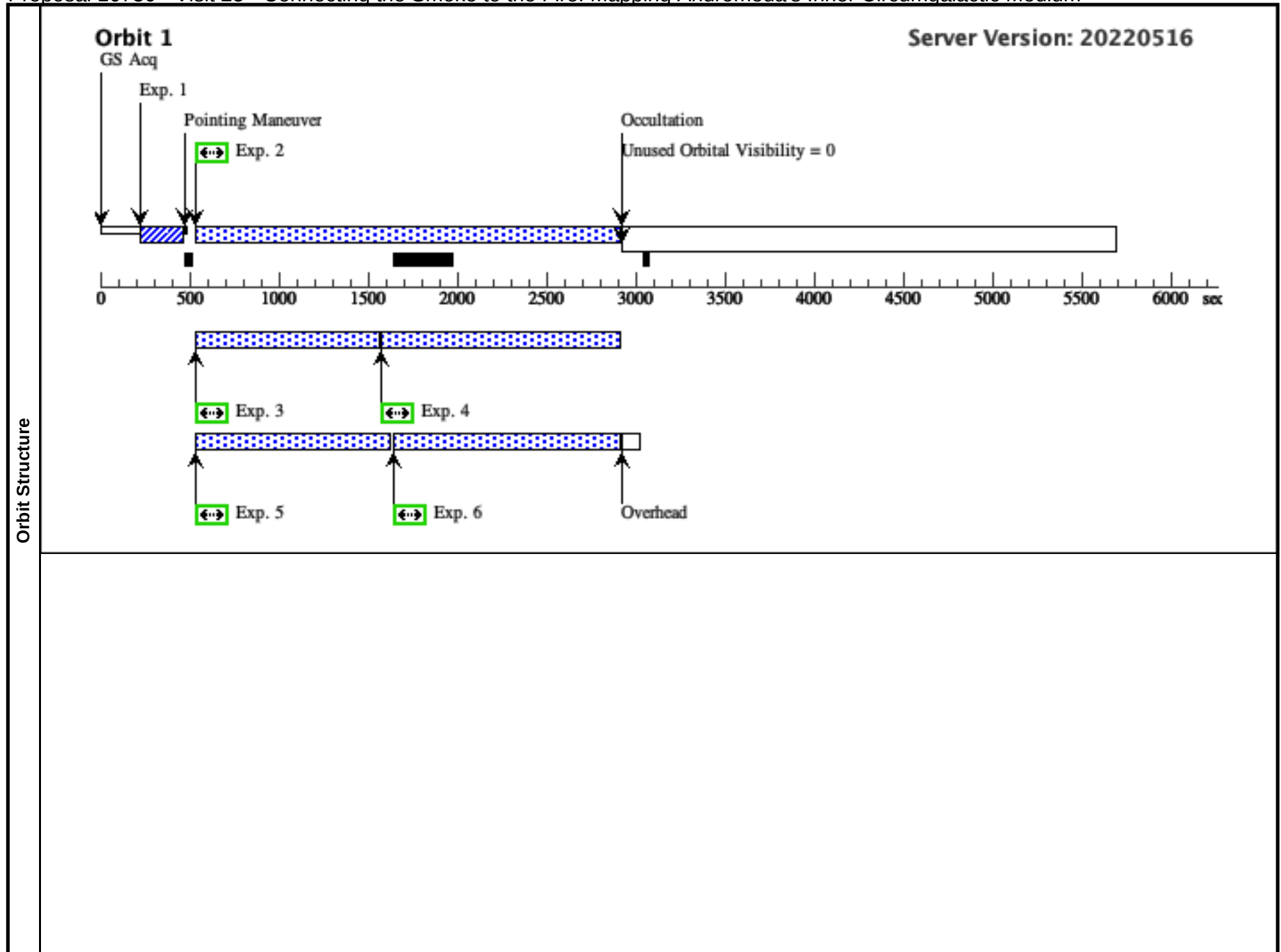


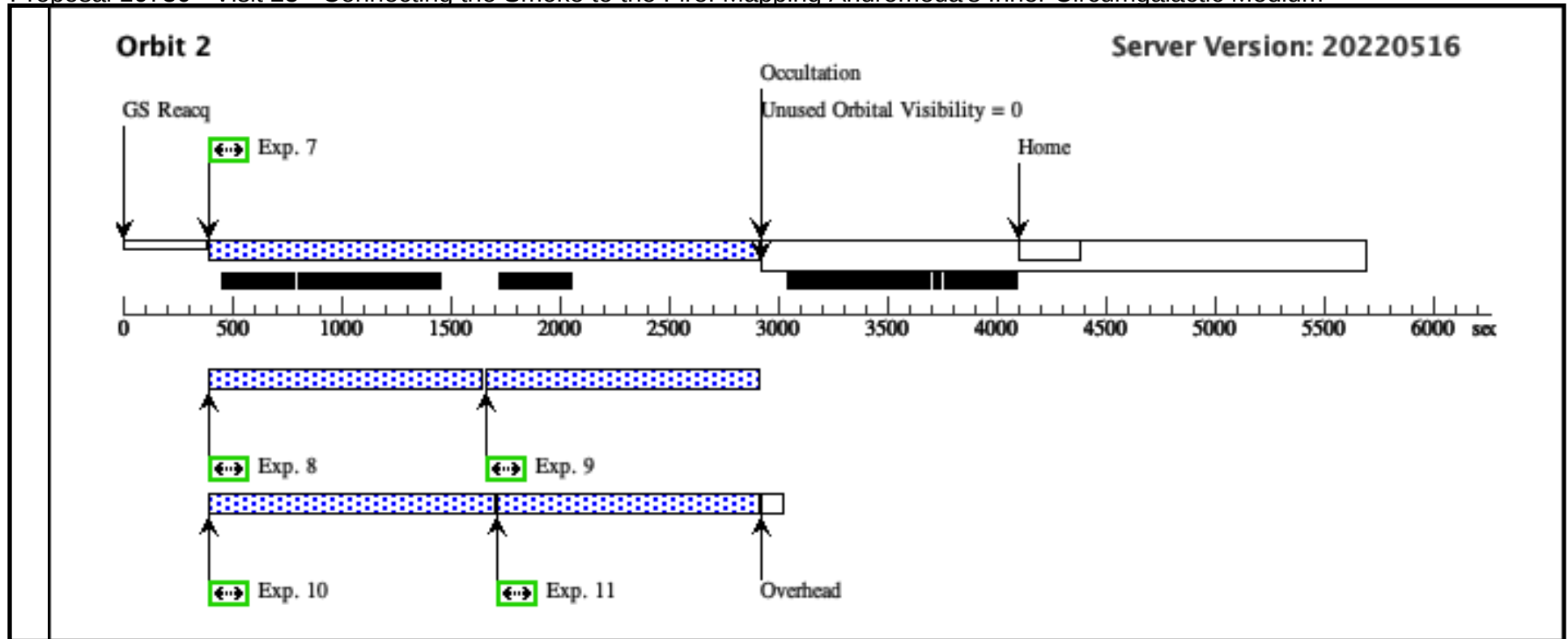
Proposal 16730 - Visit 25 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Visit	Proposal 16730, Visit 25, completed				Tue Aug 16 20:02:21 GMT 2022	
	Diagnostic Status: Error					
Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV						
Special Requirements: SCHED 100%; SAME ORIENT AS 20						
Diagnostics	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 25)) Error (Form): Illegal selection: G160M.					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 25)) Error (Form): Illegal selection: PSA.					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 25)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 25)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 25)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 25)) Error (Form): YES is not a valid selection					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 25)) Error (Form): YES is not a valid selection					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 25)) Error (Form): Illegal selection: G160M.					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 25)) Error (Form): Illegal selection: PSA.					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 25)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 25)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 25)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 25)) Error (Form): YES is not a valid selection					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 25)) Error (Form): YES is not a valid selection					
	(Visit 25) 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.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(5)	IVZW29	RA: 00 42 16.1208 (10.5671700d) Dec: +40 19 35.87 (40.32663d) Equinox: J2000		V=17.3 GALEX FUV=18.85 (FUV) = 1. 0E-15 cgs (GHRS G140L)	Reference Frame: ICRS
Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC, ABSORPTION LINE SYSTEM - GALACTIC] Extended=NO						

Proposal 16730 - Visit 25 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(COS.ta.154 7038)	(5) IVZW29	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				5.1 Secs (5.1 Secs)		
									[==>]		[1]
	2	(COS.sp.152 6148)	(5) IVZW29	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=17 307; SEGMENT=BOTH; FLASH=YES; FP-POS=3		Prime + Parallel Group 2-6 in Visit 25	784 Secs (2169 Secs)		
									[==>2169.0 Secs]		[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 2-6 in Visit 25	750 Secs (824 Secs)		
									[==>824.0 Secs]		[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 2-6 in Visit 25	750 Secs (1158 Secs)		
									[==>1158.0 Secs]		[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 2-6 in Visit 25	900 Secs (946 Secs)		
									[==>946.0 Secs]		[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 2-6 in Visit 25	900 Secs (1254 Secs)		
									[==>1254.0 Secs]		[1]
	7	(COS.sp.152 6148)	(5) IVZW29	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=17 307; SEGMENT=BOTH; FLASH=YES; FP-POS=3		Prime + Parallel Group 7-11 in Visit 25	2400 Secs (2473 Secs)		
									[==>2473.0 Secs]		[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Visit 25	750 Secs (1075 Secs)		
									[==>1075.0 Secs]		[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 7-11 in Visit 25	750 Secs (1075 Secs)		
									[==>1075.0 Secs]		[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Visit 25	900 Secs (1175 Secs)		
									[==>1175.0 Secs]		[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 7-11 in Visit 25	900 Secs (1175 Secs)		
									[==>1175.0 Secs]		[2]





Proposal 16730 - Visit 26 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

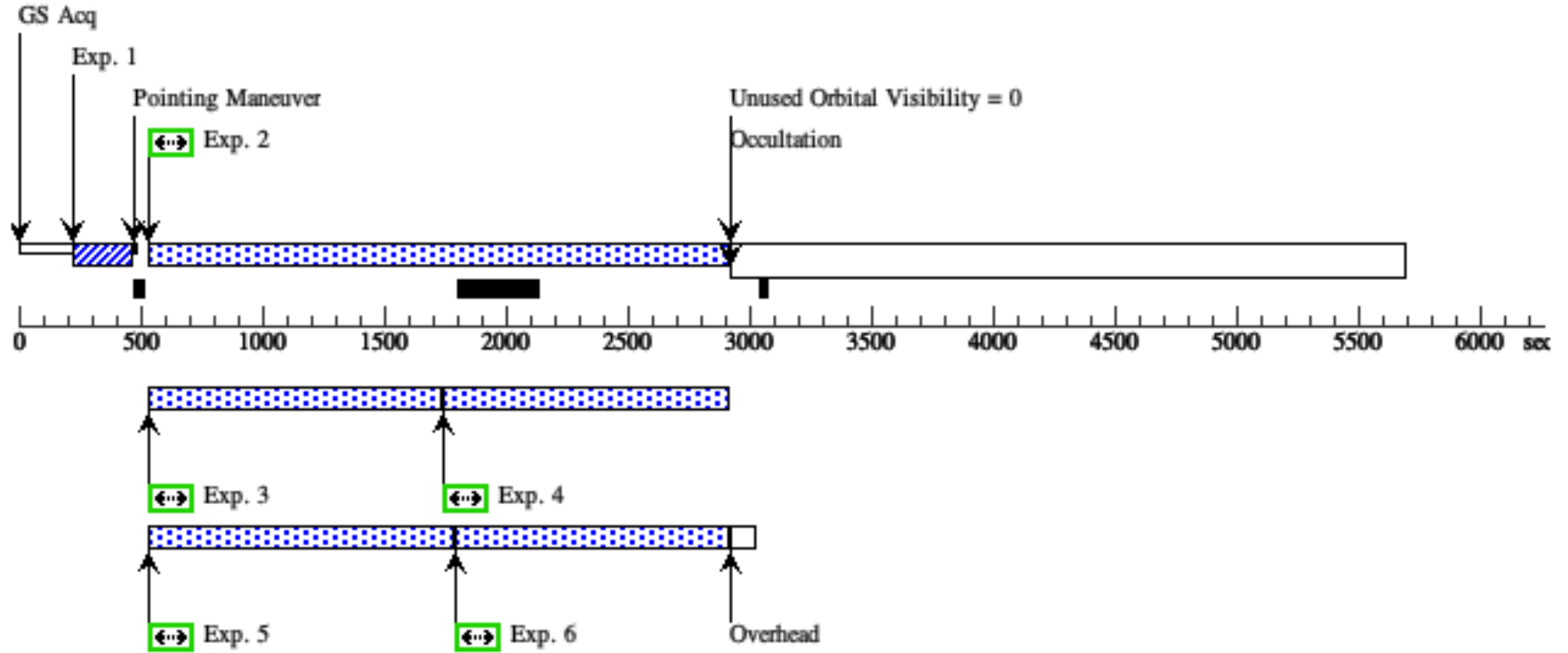
Visit	Proposal 16730, Visit 26, completed				Tue Aug 16 20:02:21 GMT 2022	
	Diagnostic Status: Error					
Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV						
Special Requirements: SCHED 100%; SAME ORIENT AS 20						
Diagnostics	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 26)) Error (Form): Illegal selection: G160M.					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 26)) Error (Form): Illegal selection: PSA.					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 26)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 26)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 26)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 26)) Error (Form): YES is not a valid selection					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 26)) Error (Form): YES is not a valid selection					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 26)) Error (Form): Illegal selection: G160M.					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 26)) Error (Form): Illegal selection: PSA.					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 26)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 26)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 26)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 26)) Error (Form): YES is not a valid selection					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 26)) Error (Form): YES is not a valid selection					
	(Visit 26) 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.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(5)	IVZW29	RA: 00 42 16.1208 (10.5671700d) Dec: +40 19 35.87 (40.32663d) Equinox: J2000		V=17.3 GALEX FUV=18.85 (FUV) = 1. 0E-15 cgs (GHRS G140L)	Reference Frame: ICRS
	Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC, ABSORPTION LINE SYSTEM - GALACTIC] Extended=NO					

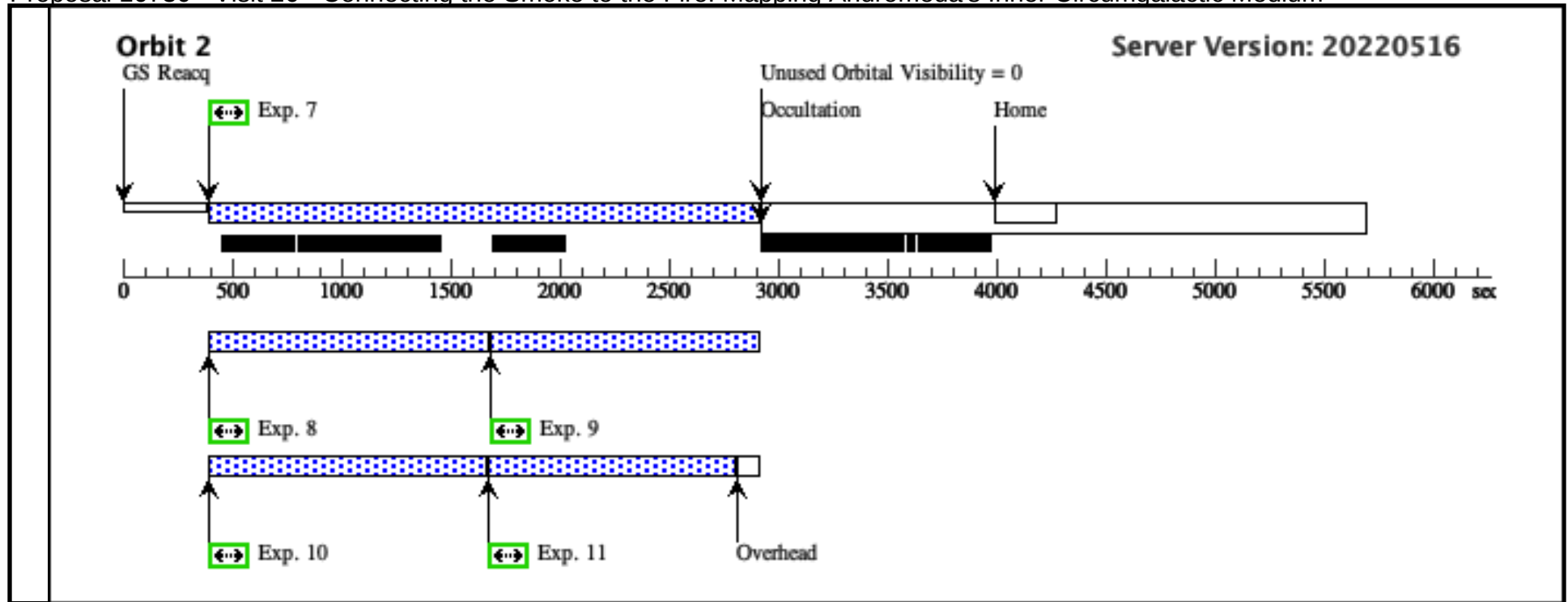
Proposal 16730 - Visit 26 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(COS.ta.154 7038)	(5) IVZW29	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				5.1 Secs (5.1 Secs)		
									[==>]		[1]
	2	(COS.sp.152 6148)	(5) IVZW29	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=17 307; SEGMENT=BOTH; FLASH=YES; FP-POS=4		Prime + Parallel Group 2-6 in Visit 26	2400 Secs (2169 Secs)		
									[==>2169.0 Secs]		[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 2-6 in Visit 26	750 Secs (991 Secs)		
									[==>991.0 Secs]		[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 2-6 in Visit 26	750 Secs (991 Secs)		
									[==>991.0 Secs]		[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 2-6 in Visit 26	900 Secs (1100 Secs)		
									[==>1100.0 Secs]		[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 2-6 in Visit 26	900 Secs (1100 Secs)		
									[==>1100.0 Secs]		[1]
	7	(COS.sp.152 6148)	(5) IVZW29	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=17 307; SEGMENT=BOTH; FLASH=YES; FP-POS=4		Prime + Parallel Group 7-11 in Visit 26	2400 Secs (2473 Secs)		
									[==>2473.0 Secs]		[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Visit 26	750 Secs (1103 Secs)		
									[==>1103.0 Secs]		[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Visit 26	750 Secs (1103 Secs)		
									[==>1103.0 Secs]		[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Visit 26	900 Secs (1129 Secs)		
									[==>1129.0 Secs]		[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Visit 26	900 Secs (1129 Secs)		
									[==>1129.0 Secs]		[2]

Orbit 1

Server Version: 20220516



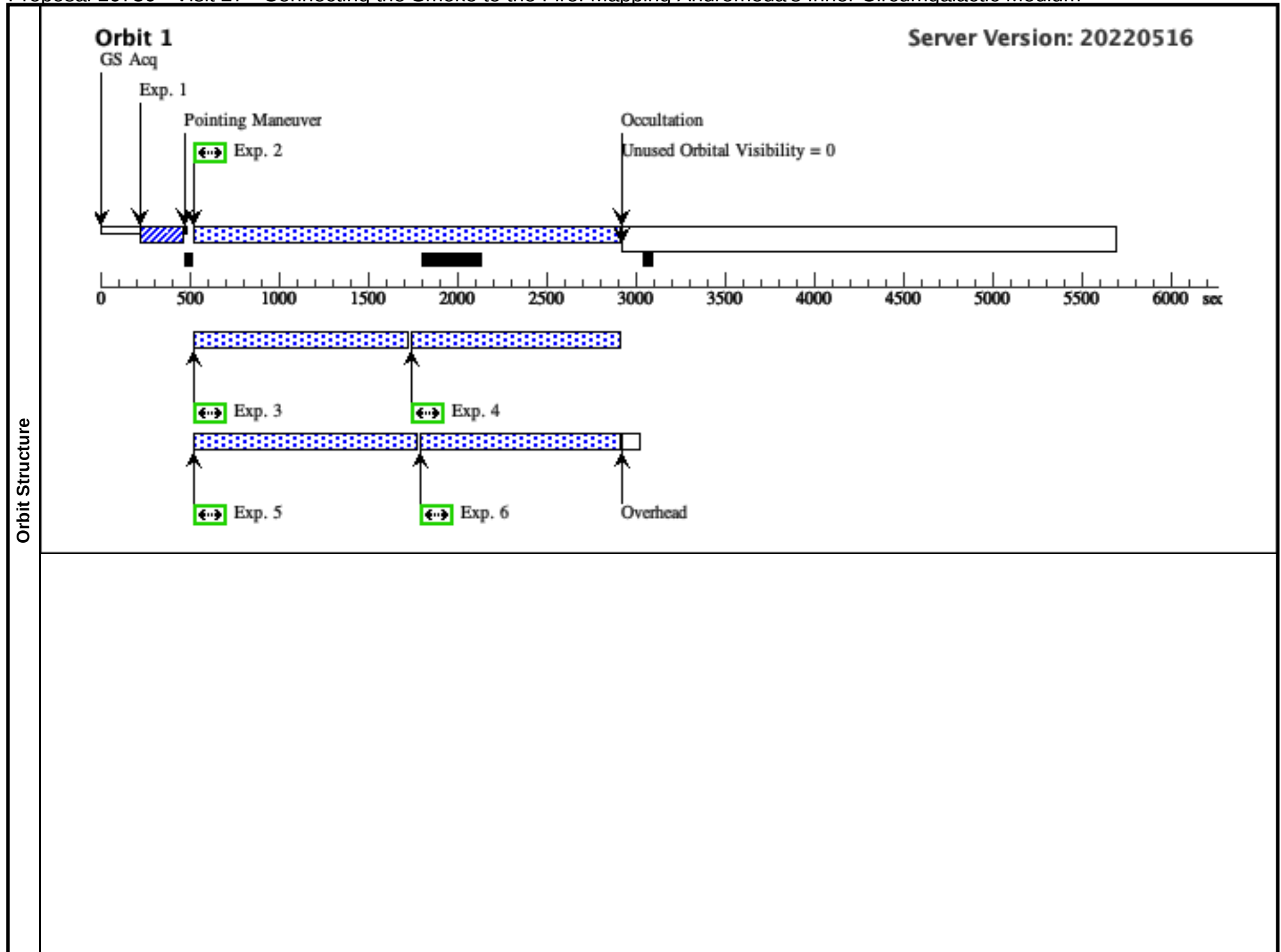


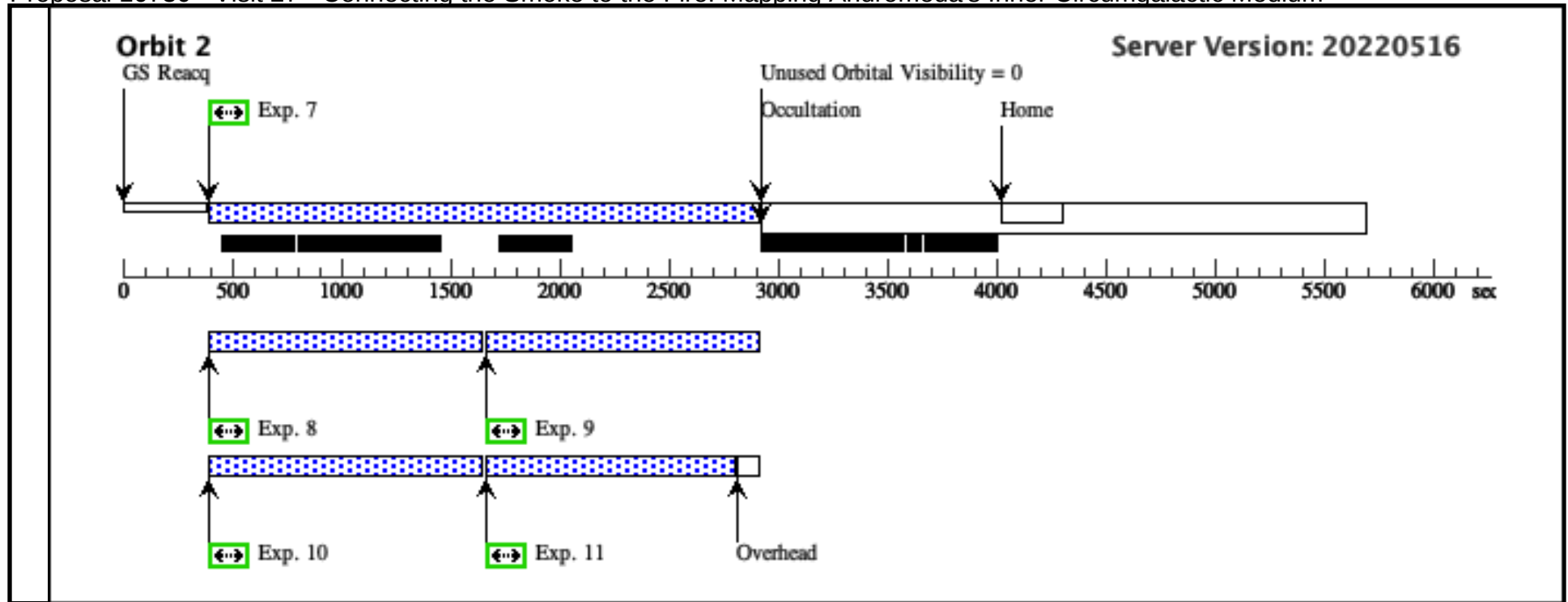
Proposal 16730 - Visit 27 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Visit	Proposal 16730, Visit 27, scheduling					Tue Aug 16 20:02:21 GMT 2022
	Diagnostic Status: Warning					
	Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%					
Diagnosics	(Visit 27) 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.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(6)	Q0043+4234	RA: 00 43 54.9840 (10.9791000d)		V=17.0	Reference Frame: ICRS
			Dec: +42 34 30.29 (42.57508d)		GALEX FUV=18.61 (FUV) = 1.	
			Equinox: J2000		1E-15 cgs (GHRS G140L)	
	Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC, ABSORPTION LINE SYSTEM - GALACTIC] Extended=NO					

Proposal 16730 - Visit 27 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(COS.ta.154 3024)	(6) Q0043+4234	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				2.8 Secs (2.8 Secs)	
									[==>]	[1]
	2	(COS.sp.152 6523)	(6) Q0043+4234	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=52 87; FP-POS=3; SEGMENT=BOTH; FLASH=YES		Prime + Parallel Group 2-6 in Visit 27	2400 Secs (2217 Secs)	
									[==>2217.0 Secs]	[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 2-6 in Visit 27	750 Secs (994 Secs)	
									[==>994.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 2-6 in Visit 27	750 Secs (994 Secs)	
									[==>994.0 Secs]	[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 2-6 in Visit 27	900 Secs (1103 Secs)	
									[==>1103.0 Secs]	[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 2-6 in Visit 27	900 Secs (1103 Secs)	
									[==>1103.0 Secs]	[1]
	7	(COS.sp.152 6523)	(6) Q0043+4234	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=52 87; SEGMENT=BOTH; FLASH=YES; FP-POS=3		Prime + Parallel Group 7-11 in Visit 27	2400 Secs (2473 Secs)	
									[==>2473.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Visit 27	750 Secs (1075 Secs)	
									[==>1075.0 Secs]	[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 7-11 in Visit 27	750 Secs (1075 Secs)	
									[==>1075.0 Secs]	[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Visit 27	900 Secs (1117 Secs)	
									[==>1117.0 Secs]	[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 7-11 in Visit 27	900 Secs (1117 Secs)	
									[==>1117.0 Secs]	[2]



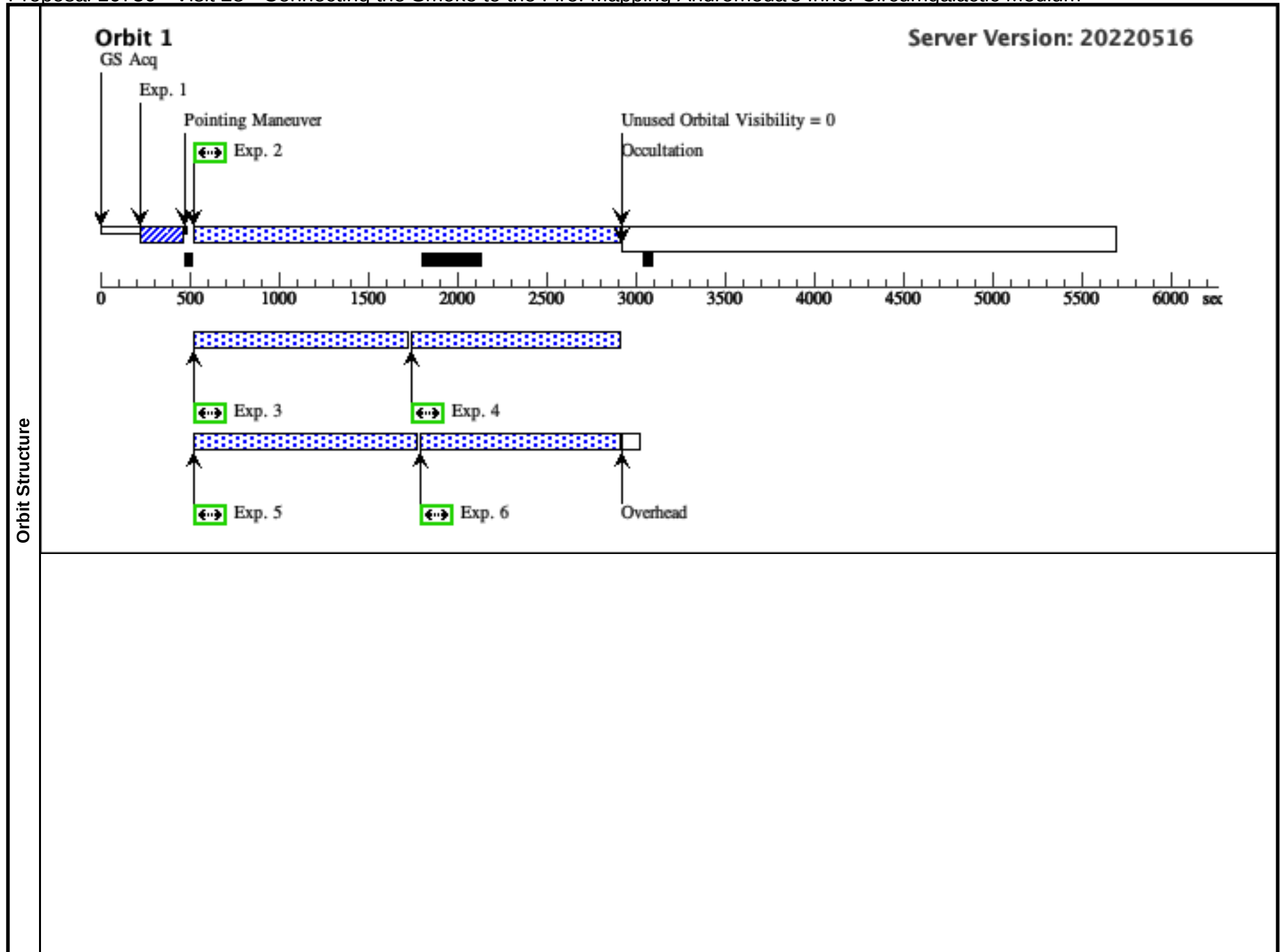


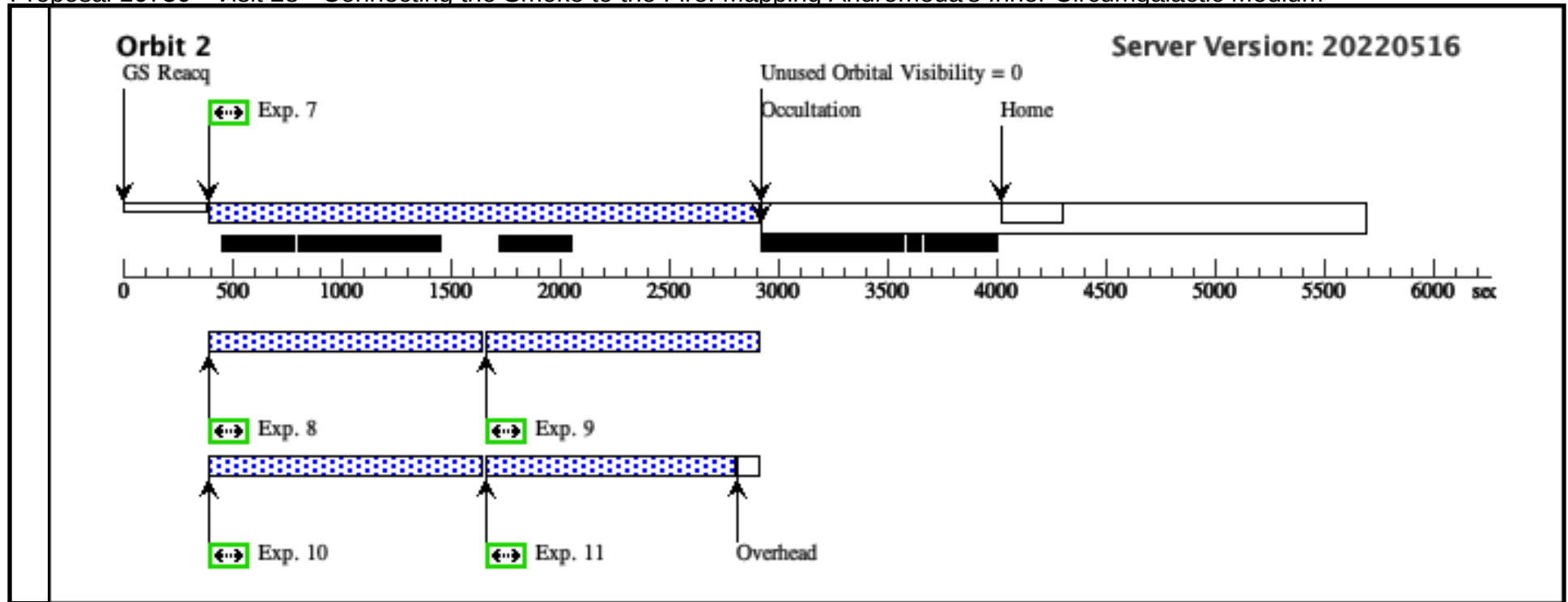
Proposal 16730 - Visit 28 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Visit	Proposal 16730, Visit 28, scheduling					Tue Aug 16 20:02:21 GMT 2022
	Diagnostic Status: Warning					
	Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%; SAME ORIENT AS 27					
Diagnosics	(Visit 28) 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.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(6)	Q0043+4234	RA: 00 43 54.9840 (10.9791000d)		V=17.0	Reference Frame: ICRS
			Dec: +42 34 30.29 (42.57508d)		GALEX FUV=18.61 (FUV) = 1.	
			Equinox: J2000		1E-15 cgs (GHRS G140L)	
	Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC, ABSORPTION LINE SYSTEM - GALACTIC] Extended=NO					

Proposal 16730 - Visit 28 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(COS.ta.154 3024)	(6) Q0043+4234	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				2.8 Secs (2.8 Secs)		
									[==>]		[1]
	2	(COS.sp.152 6523)	(6) Q0043+4234	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=52 87; FP-POS=3; SEGMENT=BOTH; FLASH=YES		Prime + Parallel Group 2-6 in Visit 28	2300 Secs (2217 Secs)		
									[==>2217.0 Secs]		[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 2-6 in Visit 28	750 Secs (994 Secs)		
									[==>994.0 Secs]		[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 2-6 in Visit 28	750 Secs (994 Secs)		
									[==>994.0 Secs]		[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 2-6 in Visit 28	900 Secs (1103 Secs)		
									[==>1103.0 Secs]		[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 2-6 in Visit 28	900 Secs (1103 Secs)		
									[==>1103.0 Secs]		[1]
	7	(COS.sp.152 6523)	(6) Q0043+4234	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=52 87; FP-POS=4; SEGMENT=BOTH; FLASH=YES		Prime + Parallel Group 7-11 in Visit 28	2470 Secs (2470 Secs)		
									[==>]		[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Visit 28	750 Secs (1075 Secs)		
									[==>1075.0 Secs]		[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 7-11 in Visit 28	750 Secs (1075 Secs)		
									[==>1075.0 Secs]		[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Visit 28	900 Secs (1117 Secs)		
									[==>1117.0 Secs]		[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 7-11 in Visit 28	900 Secs (1117 Secs)		
									[==>1117.0 Secs]		[2]





Proposal 16730 - Visit 29 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

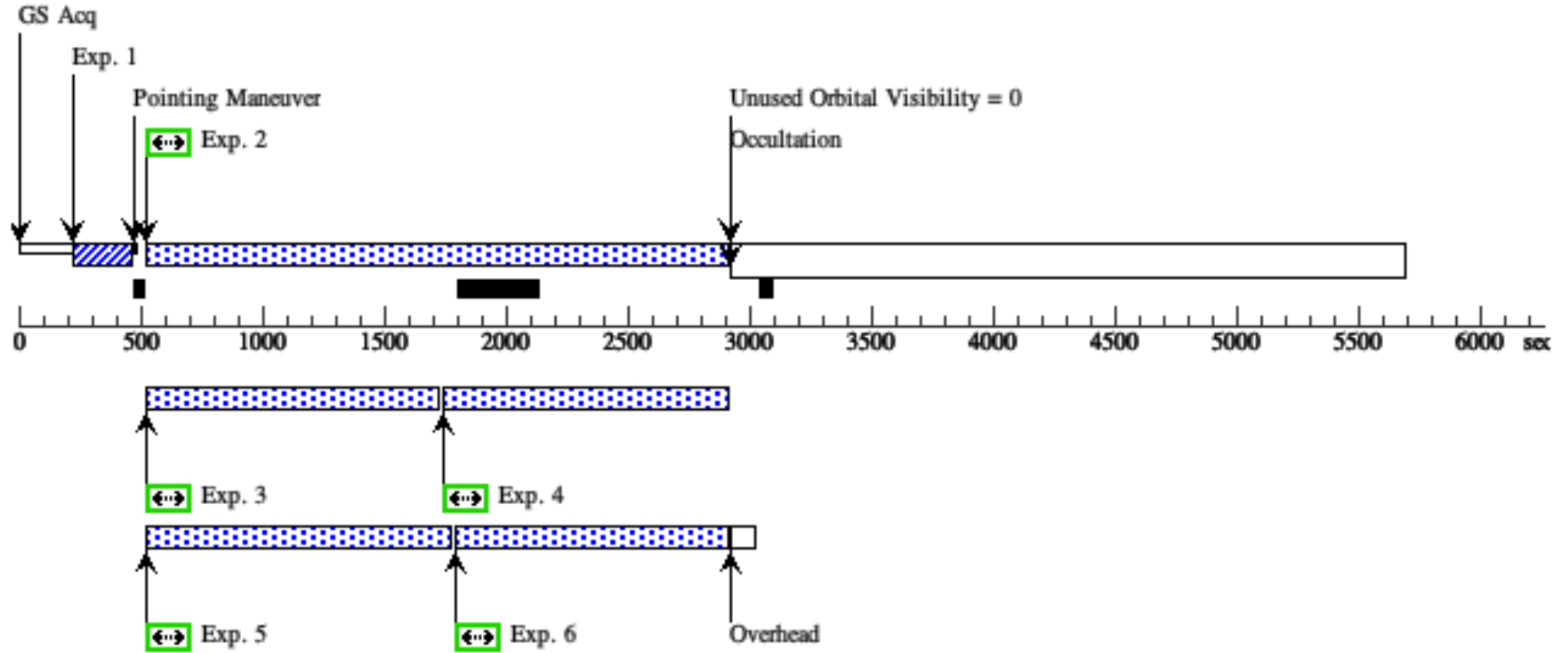
Visit	Proposal 16730, Visit 29, pi					Tue Aug 16 20:02:21 GMT 2022
	Diagnostic Status: Warning					
	Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%; SAME ORIENT AS 27					
Diagnosics	(Visit 29) Warning (Form): For the best data quality, it is generally 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.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(6)	Q0043+4234	RA: 00 43 54.9840 (10.9791000d)		V=17.0	Reference Frame: ICRS
			Dec: +42 34 30.29 (42.57508d)		GALEX FUV=18.61 (FUV) = 1.	
			Equinox: J2000		1E-15 cgs (GHRS G140L)	
	Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC, ABSORPTION LINE SYSTEM - GALACTIC] Extended=NO					

Proposal 16730 - Visit 29 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(COS.ta.154 3024)	(6) Q0043+4234	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				2.8 Secs (2.8 Secs)	
									[==>]	[1]
	2	(COS.sp.152 6523)	(6) Q0043+4234	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=52 87; FP-POS=3; SEGMENT=BOTH		Prime + Parallel Group 2-6 in Visit 29	2400 Secs (2217 Secs)	
									[==>2217.0 Secs]	[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 2-6 in Visit 29	750 Secs (994 Secs)	
									[==>994.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 2-6 in Visit 29	750 Secs (994 Secs)	
									[==>994.0 Secs]	[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 2-6 in Visit 29	900 Secs (1103 Secs)	
									[==>1103.0 Secs]	[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 2-6 in Visit 29	900 Secs (1103 Secs)	
									[==>1103.0 Secs]	[1]
	7	(COS.sp.152 6523)	(6) Q0043+4234	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=52 87; SEGMENT=BOTH; FP-POS=4		Prime + Parallel Group 7-11 in Visit 29	2400 Secs (2470 Secs)	
									[==>2470.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Visit 29	750 Secs (1075 Secs)	
									[==>1075.0 Secs]	[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 7-11 in Visit 29	750 Secs (1075 Secs)	
									[==>1075.0 Secs]	[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Visit 29	900 Secs (1117 Secs)	
									[==>1117.0 Secs]	[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 7-11 in Visit 29	900 Secs (1117 Secs)	
									[==>1117.0 Secs]	[2]
	12	(COS.sp.152 6523)	(6) Q0043+4234	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=52 87; FP-POS=4; SEGMENT=BOTH		Prime + Parallel Group 12-16 in Visit 29	2400 Secs (2473 Secs)	
									[==>2473.0 Secs]	[3]
	13		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 12-16 in Visit 29	750 Secs (1075 Secs)	
									[==>1075.0 Secs]	[3]
	14		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 12-16 in Visit 29	750 Secs (1075 Secs)	
									[==>1075.0 Secs]	[3]
	15		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 12-16 in Visit 29	900 Secs (1117 Secs)	
									[==>1117.0 Secs]	[3]
	16		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 12-16 in Visit 29	900 Secs (1117 Secs)	
									[==>1117.0 Secs]	[3]

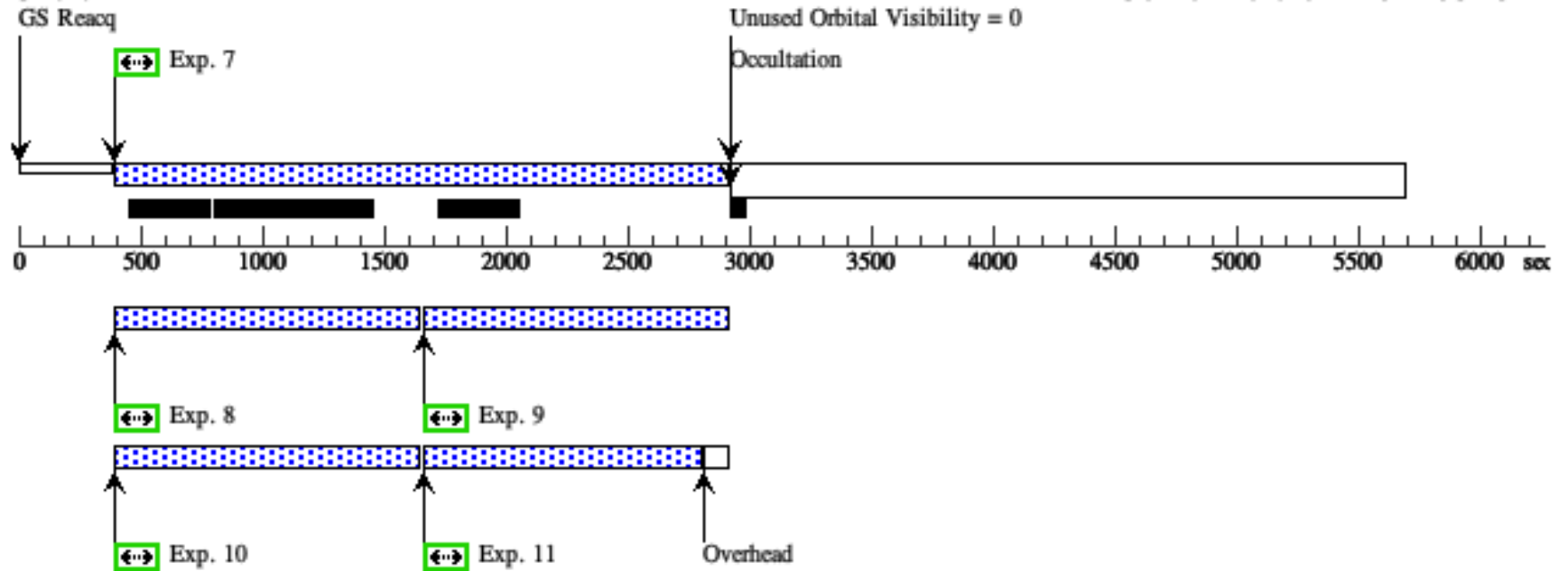
Orbit 1

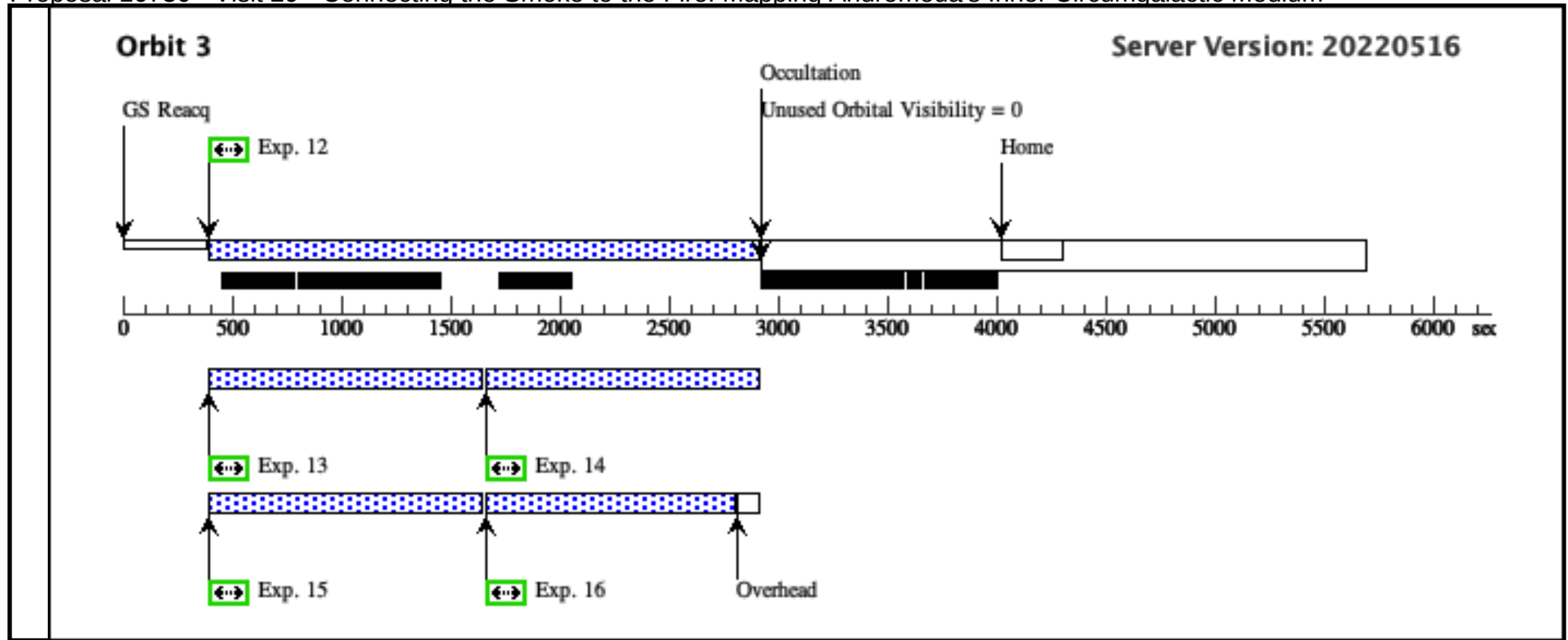
Server Version: 20220516



Orbit 2

Server Version: 20220516



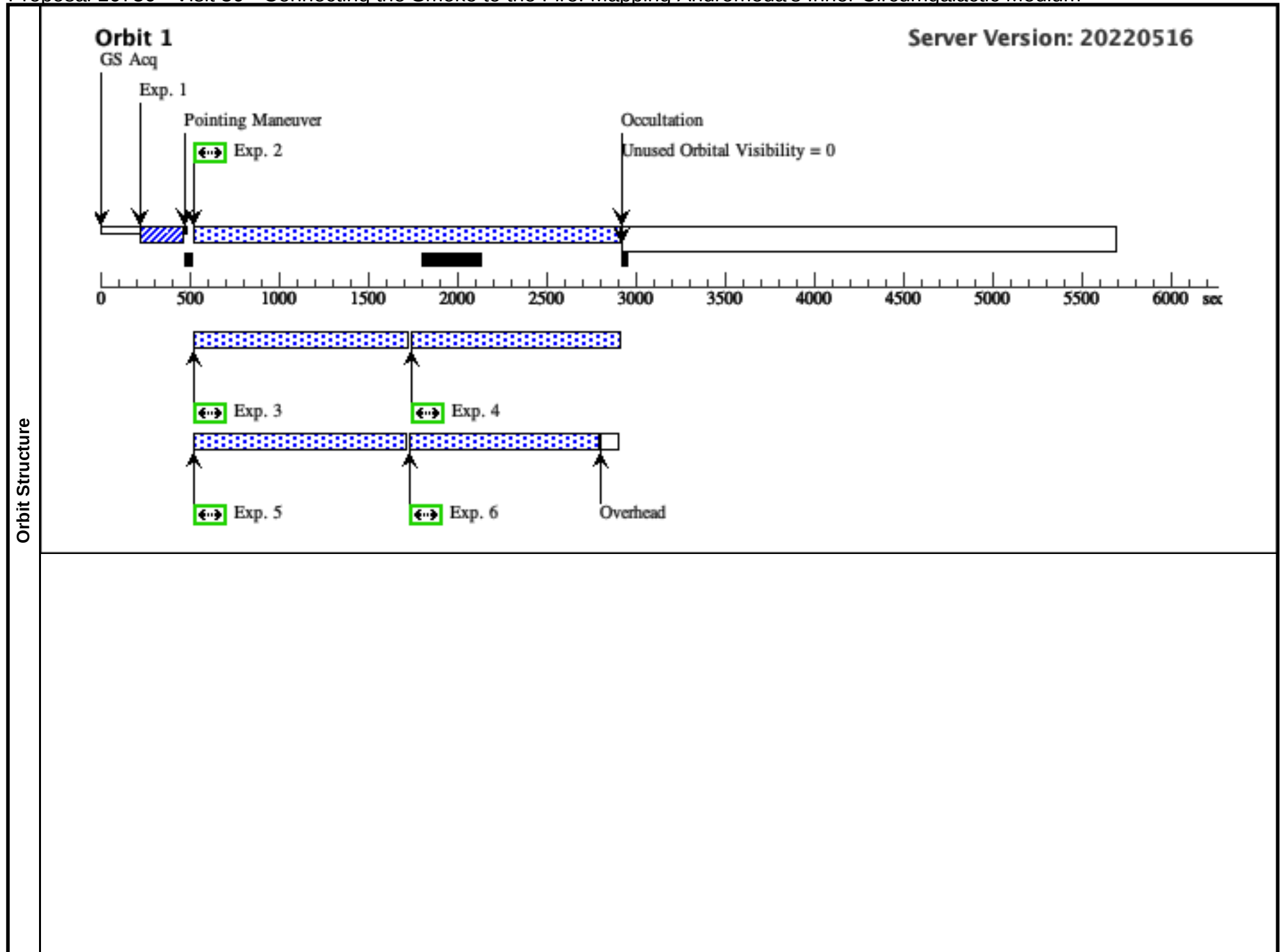


Proposal 16730 - Visit 30 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Visit	Proposal 16730, Visit 30, scheduling					Tue Aug 16 20:02:21 GMT 2022
	Diagnostic Status: Warning					
	Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%; SAME ORIENT AS 27					
Diagnosics	(Visit 30) 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.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(6)	Q0043+4234	RA: 00 43 54.9840 (10.9791000d)		V=17.0	Reference Frame: ICRS
			Dec: +42 34 30.29 (42.57508d)		GALEX FUV=18.61 (FUV) = 1.	
			Equinox: J2000		1E-15 cgs (GHRS G140L)	
	Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC, ABSORPTION LINE SYSTEM - GALACTIC] Extended=NO					

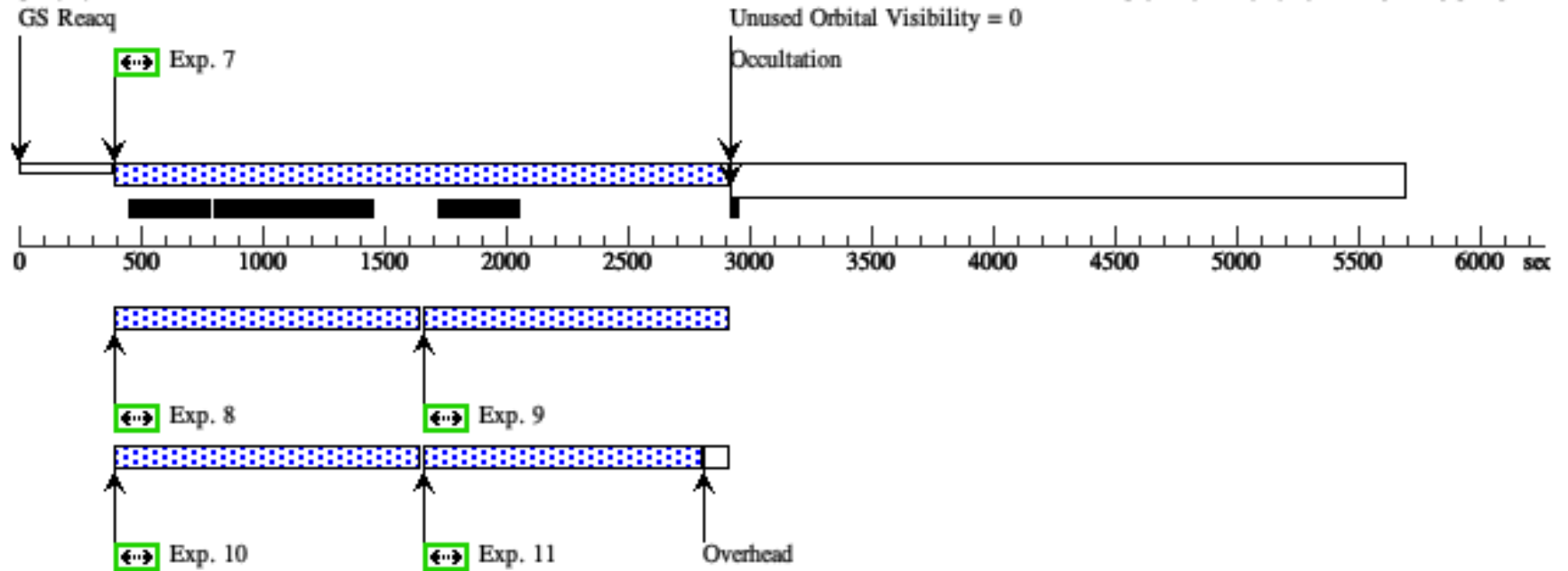
Proposal 16730 - Visit 30 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

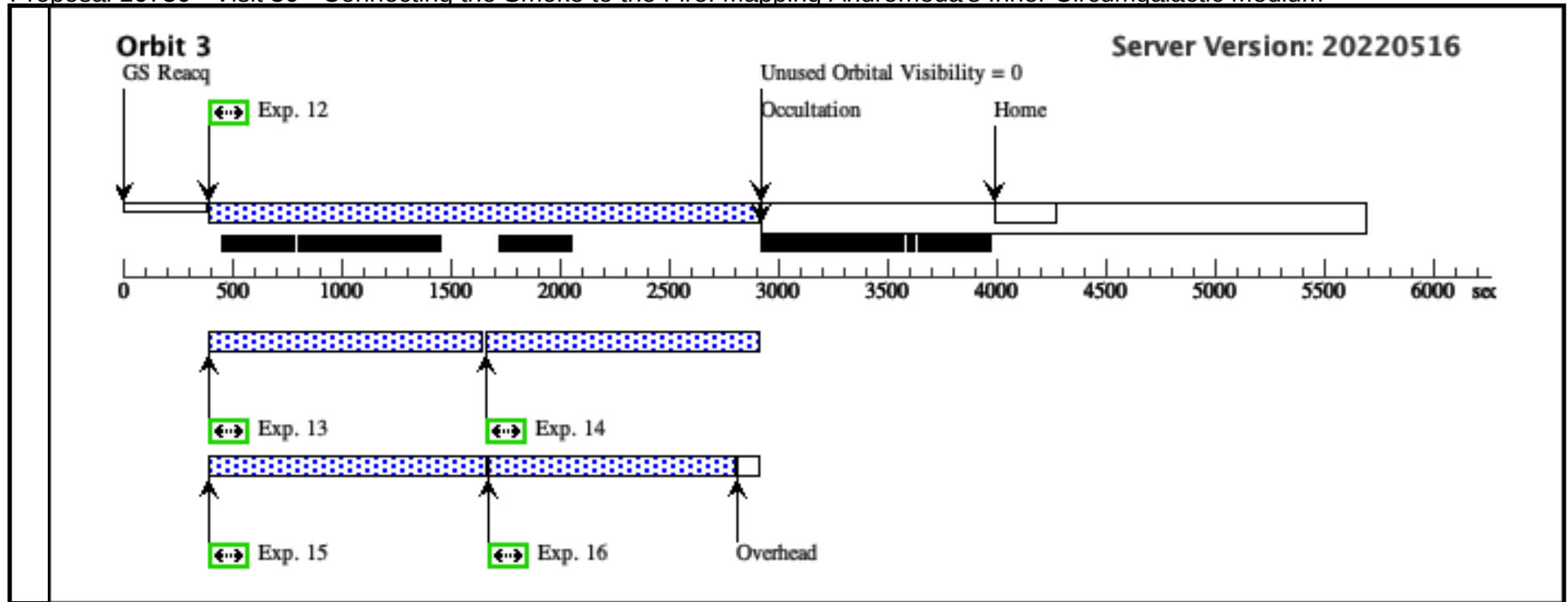
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(COS.ta.154 3024)	(6) Q0043+4234	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				2.8 Secs (2.8 Secs)		
									[==>]		[1]
	2	(COS.sa.152 6552)	(6) Q0043+4234	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=12 000; SEGMENT=BOTH; FP-POS=1		Prime + Parallel Group 2-6 in Visit 30	784 Secs (2175 Secs)		
									[==>2175.0 Secs]		[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 2-6 in Visit 30	750 Secs (994 Secs)		
									[==>994.0 Secs]		[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 2-6 in Visit 30	750 Secs (994 Secs)		
									[==>994.0 Secs]		[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 2-6 in Visit 30	900 Secs (1041.5 Secs)		
									[==>1041.5 Secs]		[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 2-6 in Visit 30	900 Secs (1041.5 Secs)		
									[==>1041.5 Secs]		[1]
	7	(COS.sa.152 6552)	(6) Q0043+4234	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=12 000; SEGMENT=BOTH; FP-POS=1		Prime + Parallel Group 7-11 in Visit 30	2400 Secs (2473 Secs)		
									[==>2473.0 Secs]		[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Visit 30	750 Secs (1075 Secs)		
									[==>1075.0 Secs]		[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 7-11 in Visit 30	750 Secs (1075 Secs)		
									[==>1075.0 Secs]		[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Visit 30	900 Secs (1117 Secs)		
									[==>1117.0 Secs]		[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 7-11 in Visit 30	900 Secs (1117 Secs)		
									[==>1117.0 Secs]		[2]
	12	(COS.sa.152 6552)	(6) Q0043+4234	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=12 000; SEGMENT=BOTH; FP-POS=1		Prime + Parallel Group 12-16 in Visit 30	2400 Secs (2473 Secs)		
									[==>2473.0 Secs]		[3]
	13		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 12-16 in Visit 30	750 Secs (1075 Secs)		
									[==>1075.0 Secs]		[3]
	14		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 12-16 in Visit 30	750 Secs (1075 Secs)		
									[==>1075.0 Secs]		[3]
	15		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 12-16 in Visit 30	900 Secs (1129 Secs)		
									[==>1129.0 Secs]		[3]
	16		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 12-16 in Visit 30	900 Secs (1129 Secs)		
									[==>1129.0 Secs]		[3]



Orbit 2

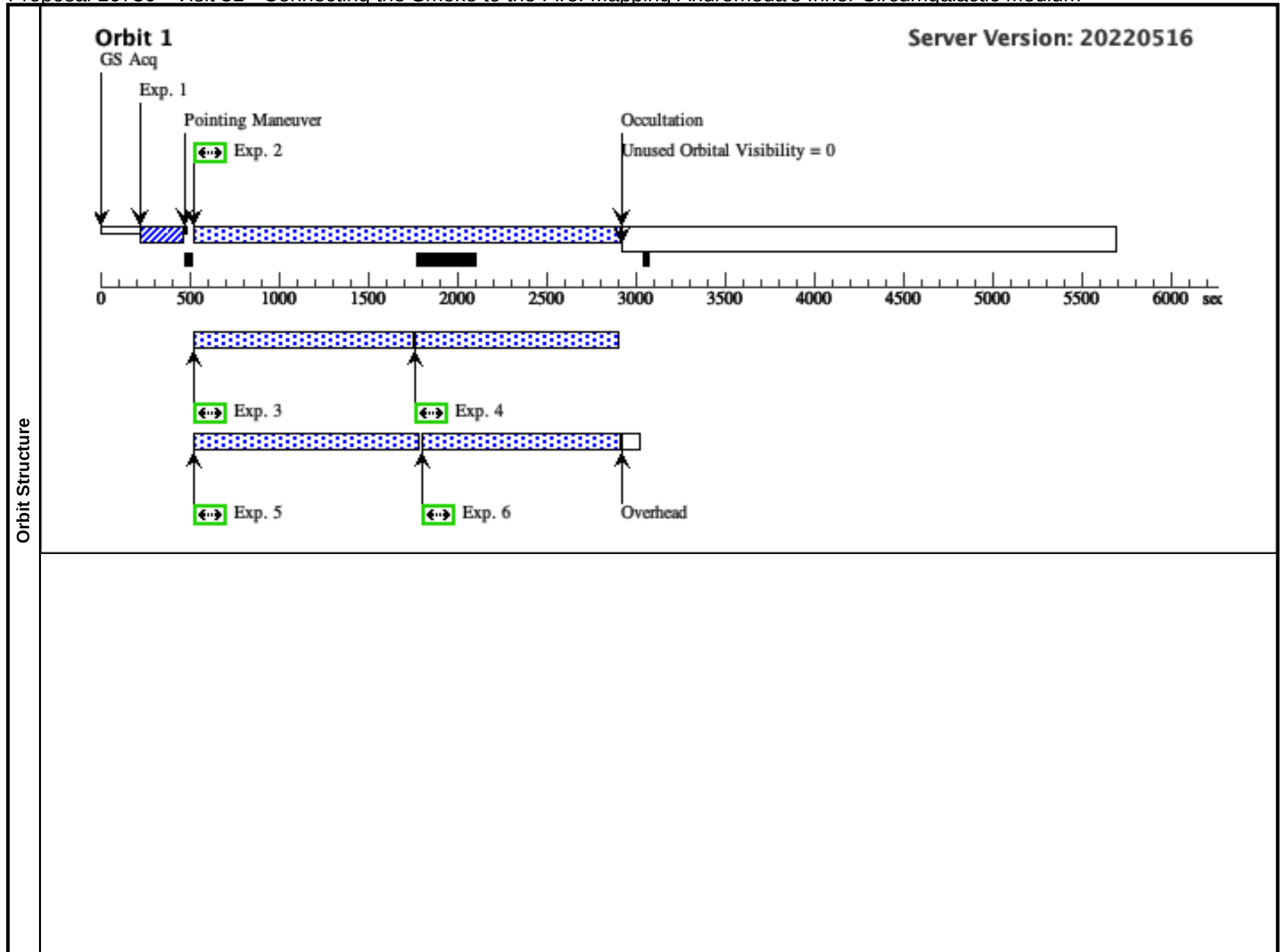
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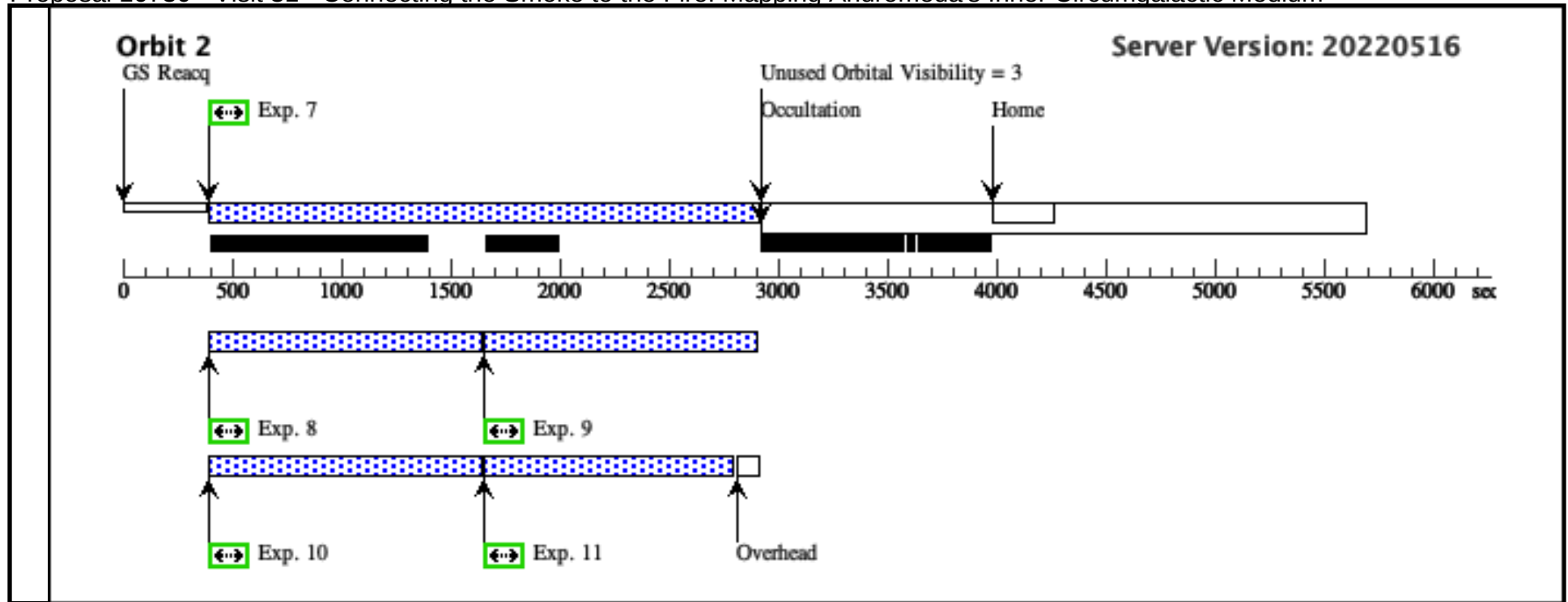




Proposal 16730 - Visit 31 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

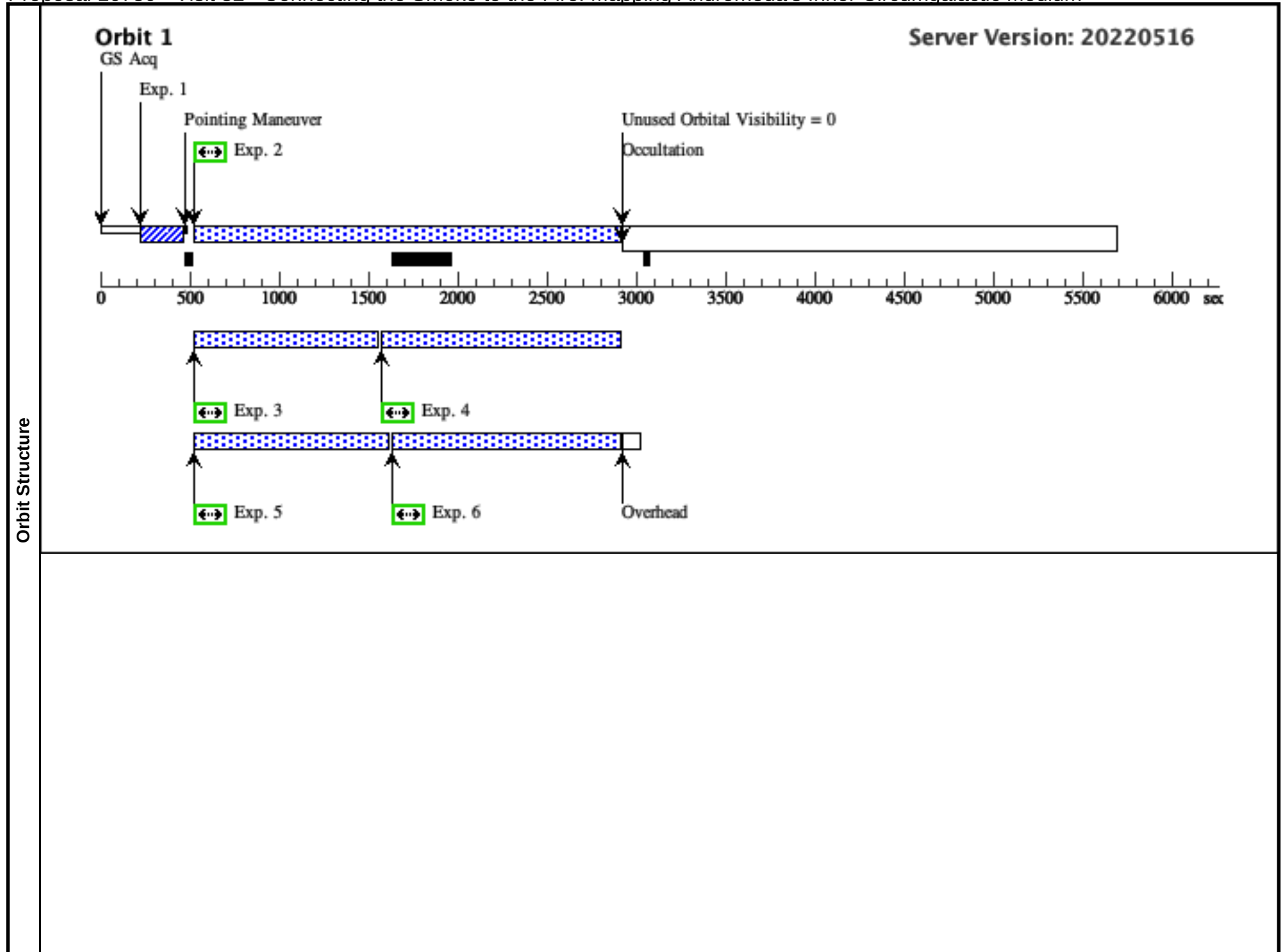
Visit	Proposal 16730, Visit 31, scheduling								Tue Aug 16 20:02:21 GMT 2022	
	Diagnostic Status: Warning									
	Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV									
	Special Requirements: SCHED 100%; SAME ORIENT AS 27									
Diagnostics	(Visit 31) Warning (Form): For the best 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.									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(6)	Q0043+4234	RA: 00 43 54.9840 (10.9791000d) Dec: +42 34 30.29 (42.57508d) Equinox: J2000			V=17.0 GALEX FUV=18.61 (FUV) = 1. 1E-15 cgs (GHRS G140L)		Reference Frame: ICRS		
	Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC, ABSORPTION LINE SYSTEM - GALACTIC] 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.ta.154 3024)	(6) Q0043+4234	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				2.8 Secs (2.8 Secs) [==>]	[1]
	2	(COS.sa.152 6552)	(6) Q0043+4234	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=12000; SEGMENT=BOTH; FP-POS=2		Prime + Parallel Group 2-6 in Visit 31	2200 Secs (2175 Secs) [==>2175.0 Secs]	[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 2-6 in Visit 31	750 Secs (1021 Secs) [==>1021.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 2-6 in Visit 31	750 Secs (1021 Secs) [==>1021.0 Secs]	[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 2-6 in Visit 31	900 Secs (1114 Secs) [==>1114.0 Secs]	[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 2-6 in Visit 31	900 Secs (1114 Secs) [==>1114.0 Secs]	[1]
	7	(COS.sa.152 6552)	(6) Q0043+4234	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=12000; SEGMENT=BOTH; FP-POS=2		Prime + Parallel Group 7-11 in Visit 31	2470 Secs (2470 Secs) [==>]	[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Visit 31	750 Secs (1129 Secs) [==>1129.0 Secs]	[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Visit 31	750 Secs (1129 Secs) [==>1129.0 Secs]	[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Visit 31	900 Secs (1139 Secs) [==>1139.0 Secs]	[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Visit 31	900 Secs (1139 Secs) [==>1139.0 Secs]	[2]

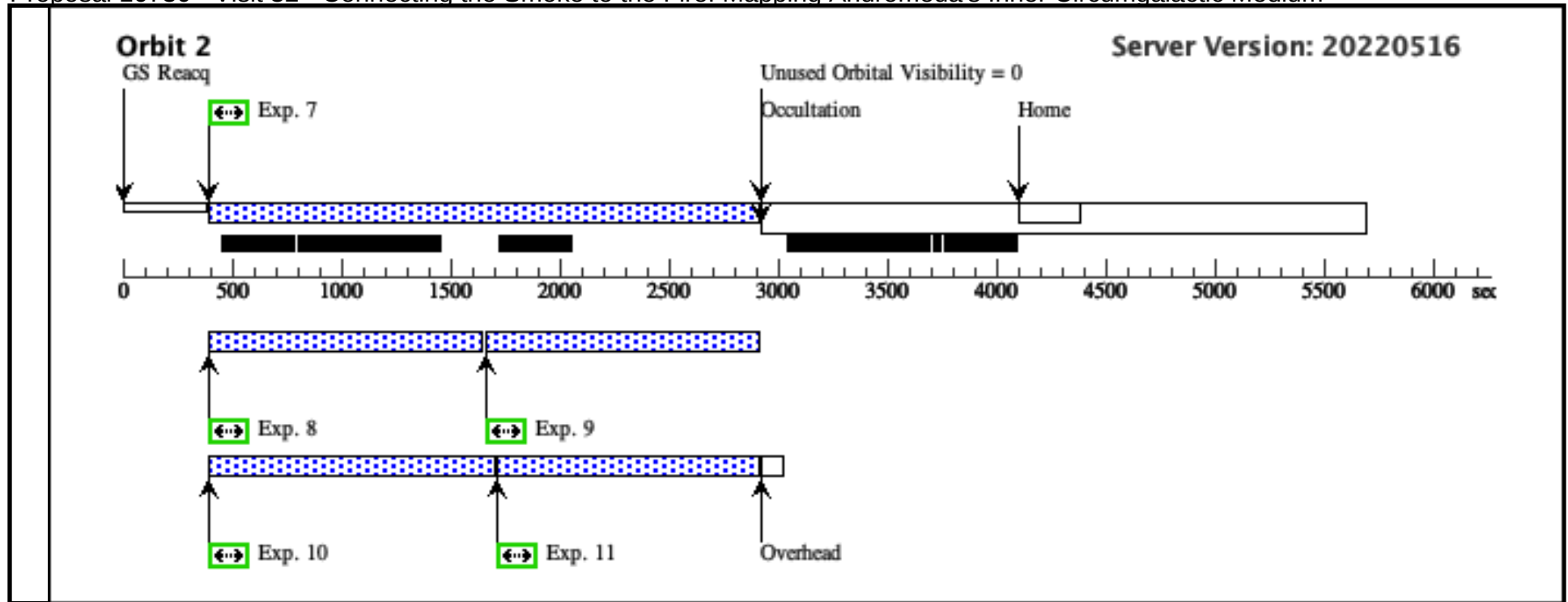




Proposal 16730 - Visit 32 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

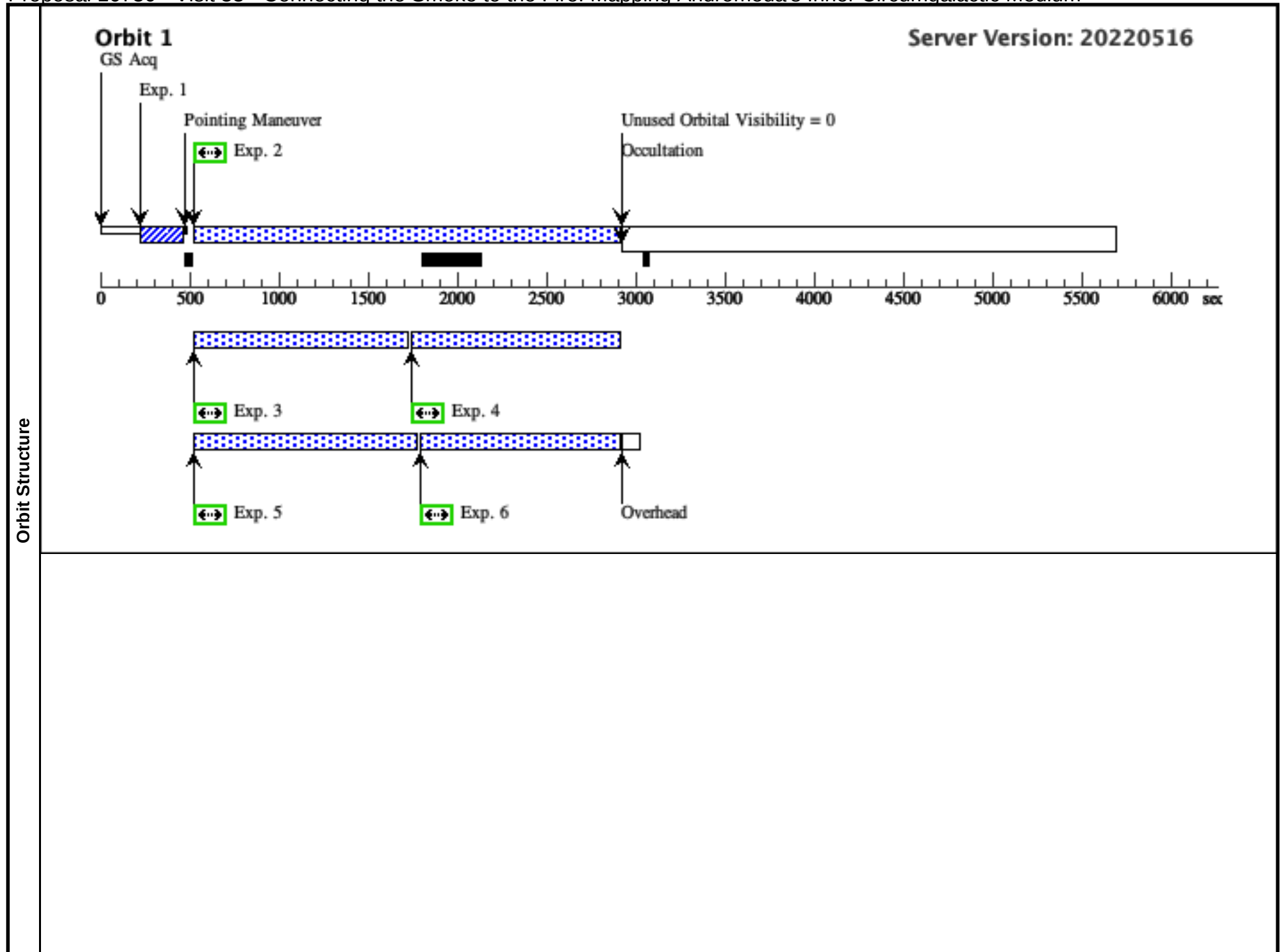
Visit	Proposal 16730, Visit 32, scheduling								Tue Aug 16 20:02:21 GMT 2022	
	Diagnostic Status: Warning									
	Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV									
	Special Requirements: SCHED 100%; SAME ORIENT AS 27									
Diagnosics	(Visit 32) Warning (Form): For the best 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.									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(6)	Q0043+4234	RA: 00 43 54.9840 (10.9791000d) Dec: +42 34 30.29 (42.57508d) Equinox: J2000			V=17.0 GALEX FUV=18.61 (FUV) = 1. 1E-15 cgs (GHRS G140L)		Reference Frame: ICRS		
	Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC, ABSORPTION LINE SYSTEM - GALACTIC] 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.ta.154 3024)	(6) Q0043+4234	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				2.8 Secs (2.8 Secs) [==>]	[1]
	2	(COS.sp.152 6148)	(6) Q0043+4234	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=12000; SEGMENT=BOTH; FP-POS=3		Prime + Parallel Group 2-6 in Visit 32	784 Secs (2175 Secs) [==>2175.0 Secs]	[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 2-6 in Visit 32	750 Secs (827 Secs) [==>827.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 2-6 in Visit 32	750 Secs (1161 Secs) [==>1161.0 Secs]	[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 2-6 in Visit 32	900 Secs (949 Secs) [==>949.0 Secs]	[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 2-6 in Visit 32	900 Secs (1257 Secs) [==>1257.0 Secs]	[1]
	7	(COS.sp.152 6148)	(6) Q0043+4234	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=12000; SEGMENT=BOTH; FP-POS=3		Prime + Parallel Group 7-11 in Visit 32	2400 Secs (2473 Secs) [==>2473.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Visit 32	750 Secs (1075 Secs) [==>1075.0 Secs]	[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 7-11 in Visit 32	750 Secs (1075 Secs) [==>1075.0 Secs]	[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Visit 32	900 Secs (1175 Secs) [==>1175.0 Secs]	[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 7-11 in Visit 32	900 Secs (1175 Secs) [==>1175.0 Secs]	[2]

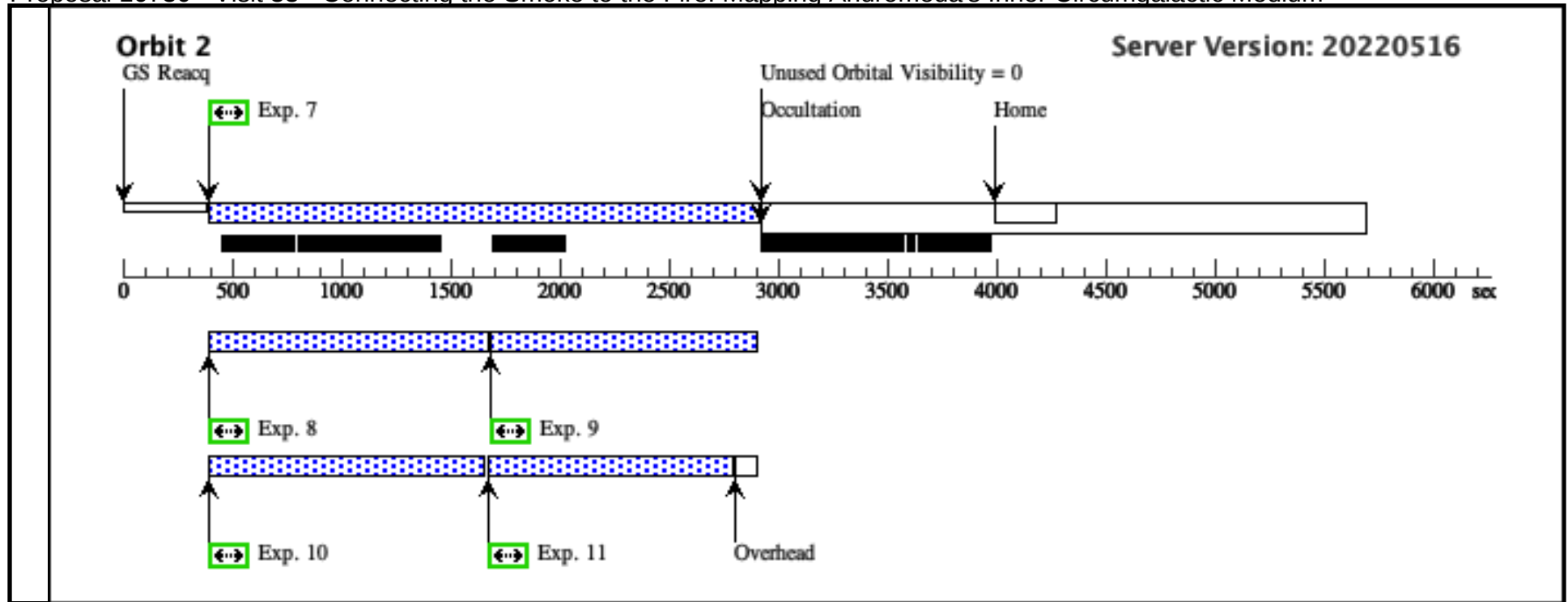




Proposal 16730 - Visit 33 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Visit	Proposal 16730, Visit 33, scheduling								Tue Aug 16 20:02:21 GMT 2022	
	Diagnostic Status: Warning									
	Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV									
	Special Requirements: SCHED 100%; SAME ORIENT AS 27									
Diagnosics	(Visit 33) 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.									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(6)	Q0043+4234	RA: 00 43 54.9840 (10.9791000d) Dec: +42 34 30.29 (42.57508d) Equinox: J2000			V=17.0 GALEX FUV=18.61 (FUV) = 1. 1E-15 cgs (GHRS G140L)		Reference Frame: ICRS		
	Comments:									
	Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC, ABSORPTION LINE SYSTEM - GALACTIC] 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.ta.154 3024)	(6) Q0043+4234	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				2.8 Secs (2.8 Secs) [==>]	[1]
	2	(COS.sp.152 6148)	(6) Q0043+4234	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=12000; SEGMENT=BOTH; FP-POS=4		Prime + Parallel Group 2-6 in Visit 33	2300 Secs (2175 Secs) [==>2175.0 Secs]	[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 2-6 in Visit 33	750 Secs (994 Secs) [==>994.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 2-6 in Visit 33	750 Secs (994 Secs) [==>994.0 Secs]	[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 2-6 in Visit 33	900 Secs (1103 Secs) [==>1103.0 Secs]	[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 2-6 in Visit 33	900 Secs (1103 Secs) [==>1103.0 Secs]	[1]
	7	(COS.sp.152 6148)	(6) Q0043+4234	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=12000; SEGMENT=BOTH; FP-POS=4		Prime + Parallel Group 7-11 in Visit 33	2473 Secs (2473 Secs) [==>]	[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Visit 33	750 Secs (1101 Secs) [==>1101.0 Secs]	[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Visit 33	750 Secs (1101 Secs) [==>1101.0 Secs]	[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Visit 33	900 Secs (1127 Secs) [==>1127.0 Secs]	[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Visit 33	900 Secs (1127 Secs) [==>1127.0 Secs]	[2]



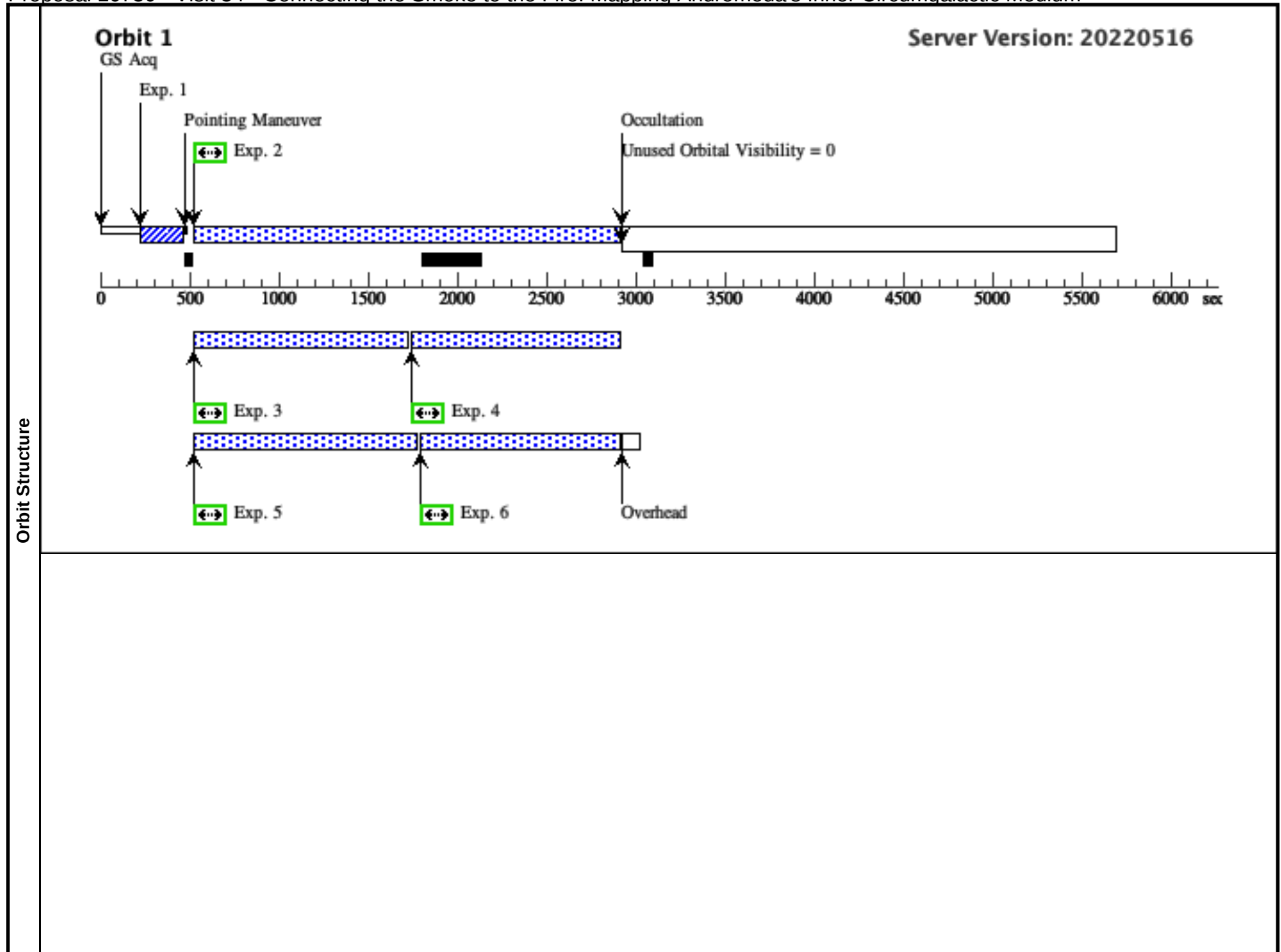


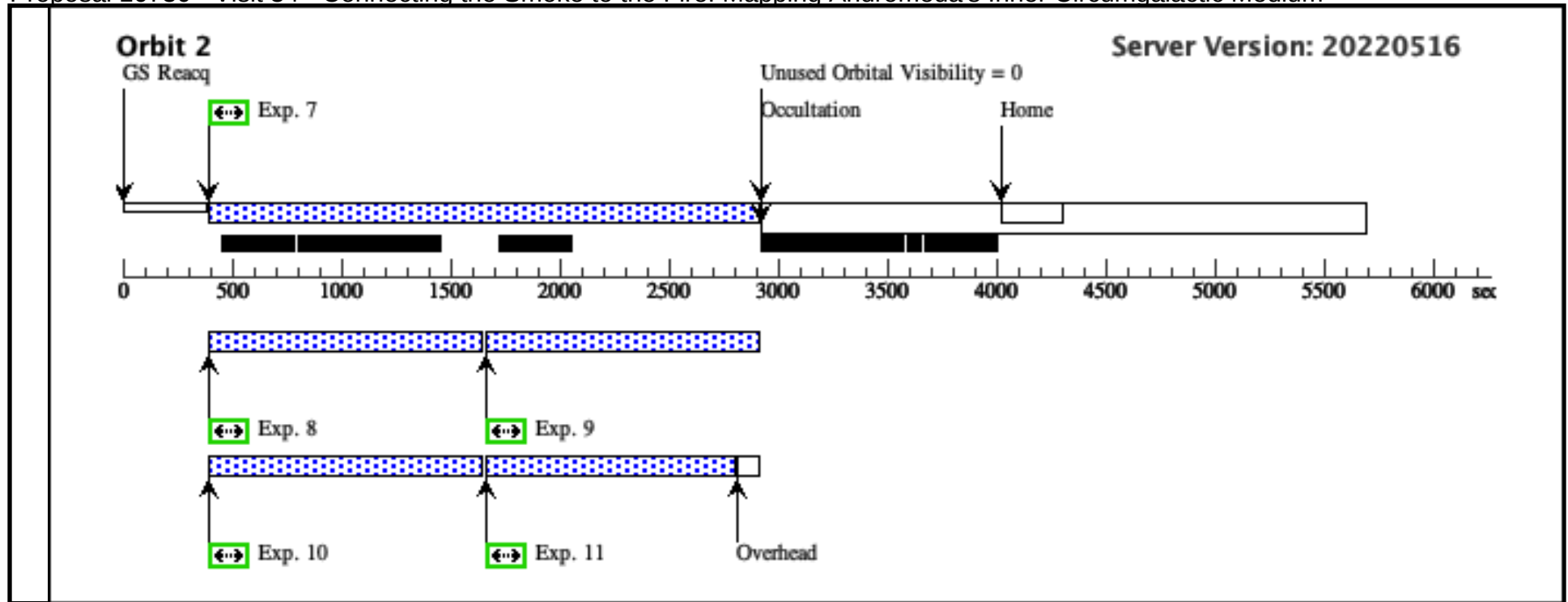
Proposal 16730 - Visit 34 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Visit	Proposal 16730, Visit 34, scheduling					Tue Aug 16 20:02:21 GMT 2022
	Diagnostic Status: Warning					
	Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%					
Diagnosics	(Visit 34) 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.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(7)	Q0046+4220	RA: 00 46 55.5168 (11.7313200d)		V=17.8	Reference Frame: ICRS
			Dec: +42 20 50.10 (42.34725d)		GALEX FUV=18.96 (FUV) = 1.	
			Equinox: J2000		1E-15 cgs (GHRS G140L)	
	Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC, ABSORPTION LINE SYSTEM - GALACTIC] Extended=NO					

Proposal 16730 - Visit 34 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(COS.ta.154 3028)	(7) Q0046+4220	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				2.7 Secs (2.7 Secs)		
									[==>]		[1]
	2	(COS.sp.152 6523)	(7) Q0046+4220	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=52 87; FP-POS=3; SEGMENT=BOTH; FLASH=YES		Prime + Parallel Group 2-6 in Visit 34	2400 Secs (2217 Secs)		
									[==>2217.0 Secs]		[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 2-6 in Visit 34	750 Secs (994 Secs)		
									[==>994.0 Secs]		[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 2-6 in Visit 34	750 Secs (994 Secs)		
									[==>994.0 Secs]		[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 2-6 in Visit 34	900 Secs (1103 Secs)		
									[==>1103.0 Secs]		[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 2-6 in Visit 34	900 Secs (1103 Secs)		
									[==>1103.0 Secs]		[1]
	7	(COS.sp.152 6523)	(7) Q0046+4220	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=52 87; SEGMENT=BOTH; FLASH=YES; FP-POS=3		Prime + Parallel Group 7-11 in Visit 34	2400 Secs (2473 Secs)		
									[==>2473.0 Secs]		[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Visit 34	750 Secs (1075 Secs)		
									[==>1075.0 Secs]		[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 7-11 in Visit 34	750 Secs (1075 Secs)		
									[==>1075.0 Secs]		[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Visit 34	900 Secs (1117 Secs)		
									[==>1117.0 Secs]		[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 7-11 in Visit 34	900 Secs (1117 Secs)		
									[==>1117.0 Secs]		[2]



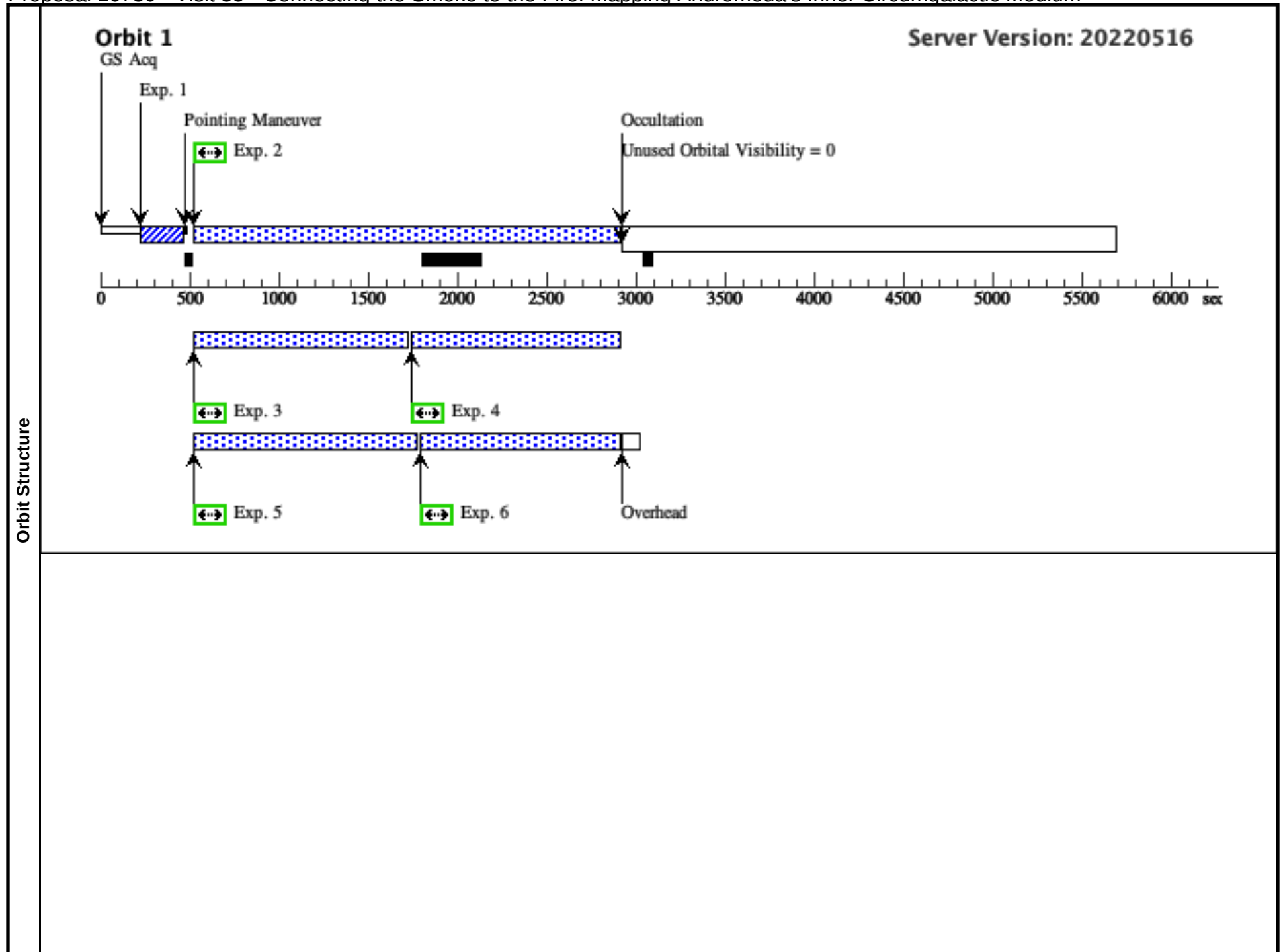


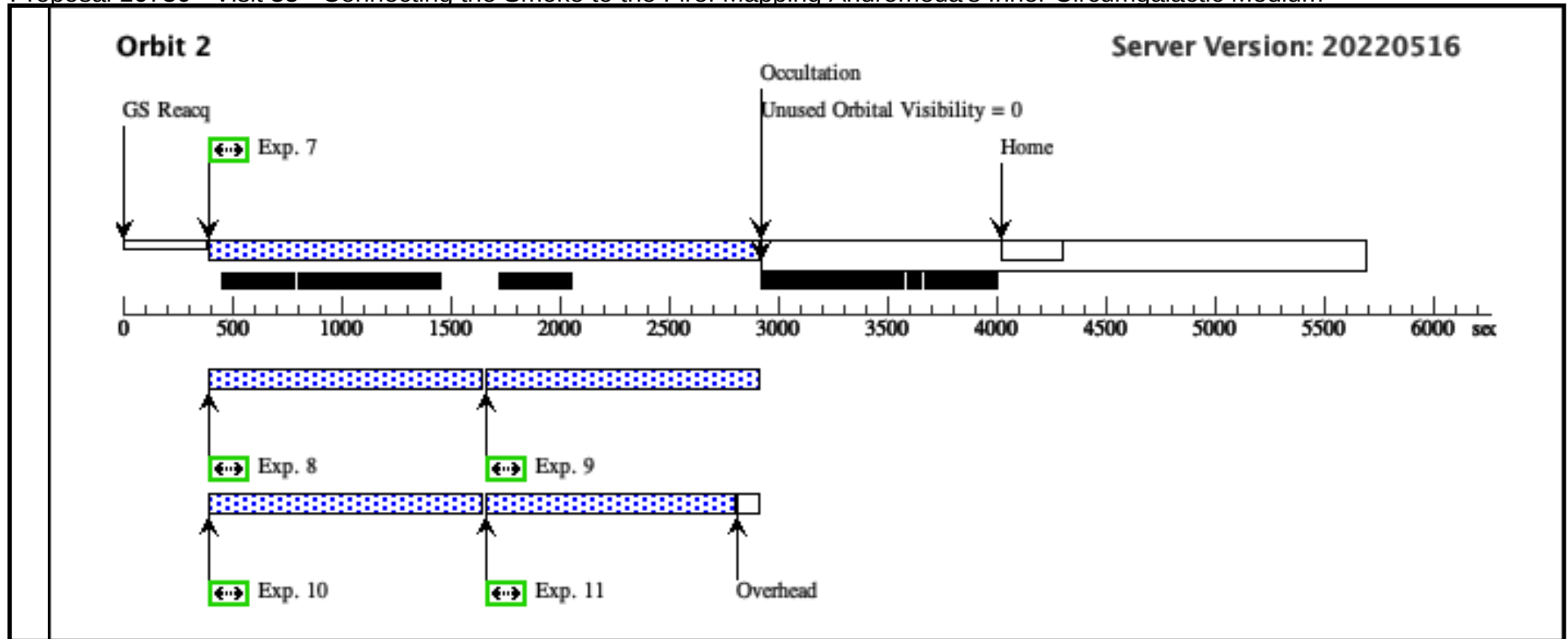
Proposal 16730 - Visit 35 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Visit	Proposal 16730, Visit 35, scheduling					Tue Aug 16 20:02:21 GMT 2022
	Diagnostic Status: Warning					
	Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%; SAME ORIENT AS 34					
Diagnosics	(Visit 35) 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.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(7)	Q0046+4220	RA: 00 46 55.5168 (11.7313200d)		V=17.8	Reference Frame: ICRS
			Dec: +42 20 50.10 (42.34725d)		GALEX FUV=18.96 (FUV) = 1.	
			Equinox: J2000		1E-15 cgs (GHRS G140L)	
	Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC, ABSORPTION LINE SYSTEM - GALACTIC] Extended=NO					

Proposal 16730 - Visit 35 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(COS.ta.154 3028)	(7) Q0046+4220	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				2.7 Secs (2.7 Secs)	
									[==>]	[1]
	2	(COS.sp.152 6523)	(7) Q0046+4220	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=52 87; FP-POS=3; SEGMENT=BOTH; FLASH=YES		Prime + Parallel Group 2-6 in Visit 35	2400 Secs (2217 Secs)	
									[==>2217.0 Secs]	[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 2-6 in Visit 35	750 Secs (994 Secs)	
									[==>994.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 2-6 in Visit 35	750 Secs (994 Secs)	
									[==>994.0 Secs]	[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 2-6 in Visit 35	900 Secs (1103 Secs)	
									[==>1103.0 Secs]	[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 2-6 in Visit 35	900 Secs (1103 Secs)	
									[==>1103.0 Secs]	[1]
	7	(COS.sp.152 6523)	(7) Q0046+4220	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=52 87; FP-POS=4; SEGMENT=BOTH; FLASH=YES		Prime + Parallel Group 7-11 in Visit 35	2470 Secs (2470 Secs)	
									[==>]	[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Visit 35	750 Secs (1075 Secs)	
									[==>1075.0 Secs]	[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 7-11 in Visit 35	750 Secs (1075 Secs)	
									[==>1075.0 Secs]	[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Visit 35	900 Secs (1117 Secs)	
									[==>1117.0 Secs]	[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 7-11 in Visit 35	900 Secs (1117 Secs)	
									[==>1117.0 Secs]	[2]



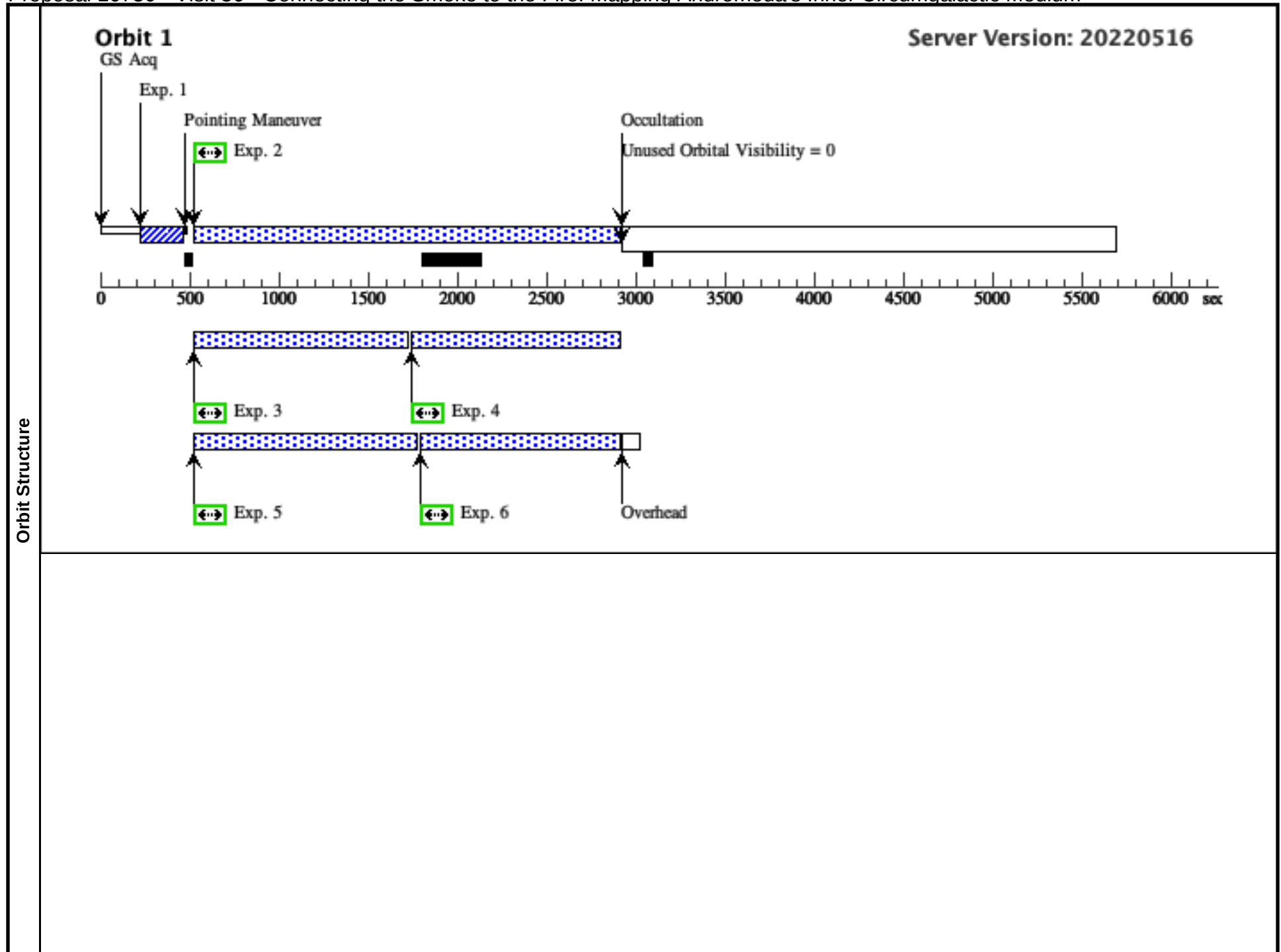


Proposal 16730 - Visit 36 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Visit	Proposal 16730, Visit 36, pi					Tue Aug 16 20:02:21 GMT 2022
	Diagnostic Status: Warning					
	Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%; SAME ORIENT AS 34					
Diagnosics	(Visit 36) 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.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(7)	Q0046+4220	RA: 00 46 55.5168 (11.7313200d)		V=17.8	Reference Frame: ICRS
			Dec: +42 20 50.10 (42.34725d)		GALEX FUV=18.96 (FUV) = 1.	
			Equinox: J2000		1E-15 cgs (GHRS G140L)	
	Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC, ABSORPTION LINE SYSTEM - GALACTIC] Extended=NO					

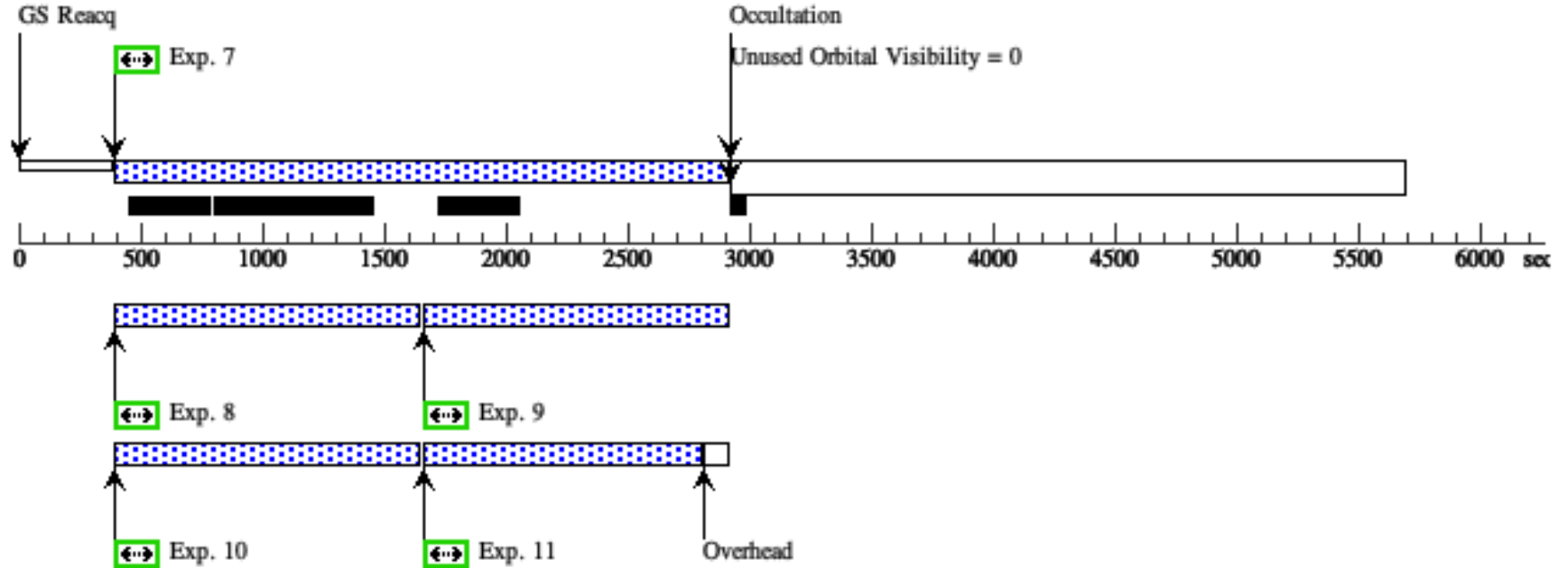
Proposal 16730 - Visit 36 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

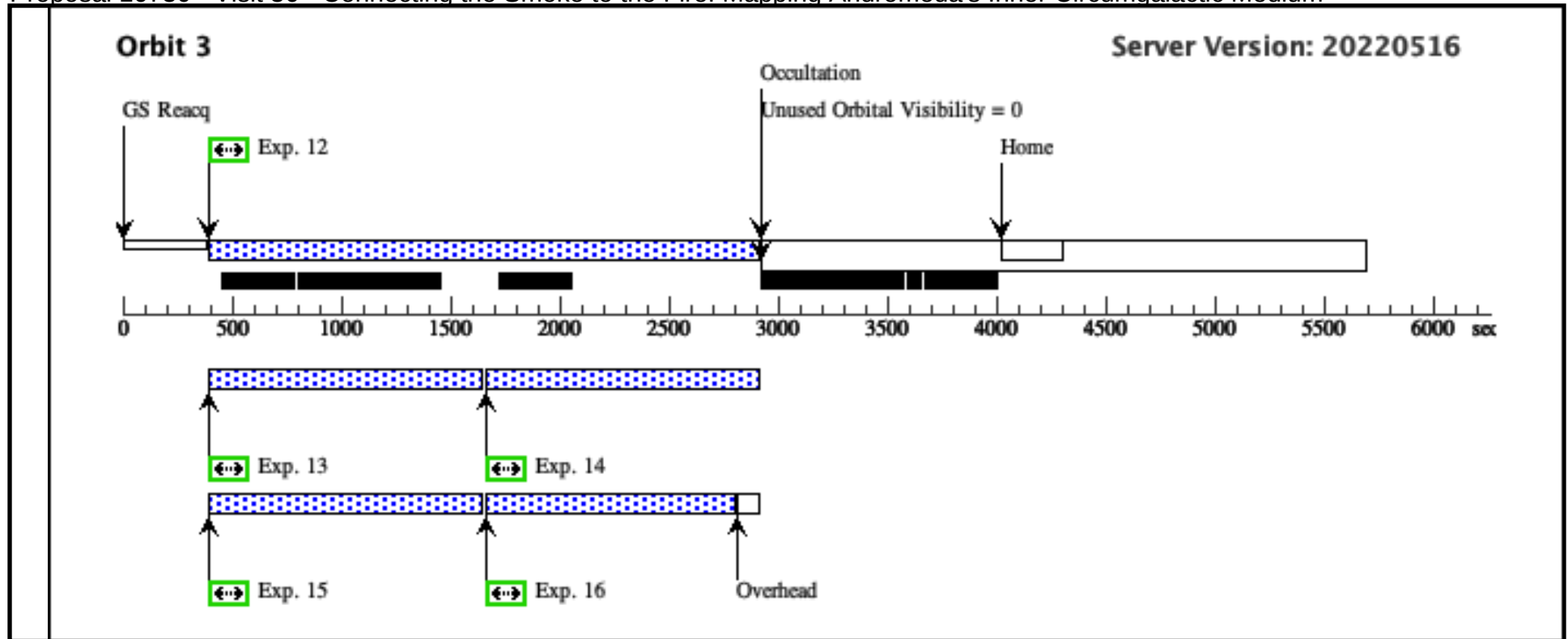
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(COS.ta.154 3028)	(7) Q0046+4220	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				2.7 Secs (2.7 Secs)		
									[==>]		[1]
	2	(COS.sp.152 6523)	(7) Q0046+4220	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=52 87; FP-POS=3; SEGMENT=BOTH		Prime + Parallel Group 2-6 in Visit 36	2400 Secs (2217 Secs)		
									[==>2217.0 Secs]		[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 2-6 in Visit 36	750 Secs (994 Secs)		
									[==>994.0 Secs]		[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 2-6 in Visit 36	750 Secs (994 Secs)		
									[==>994.0 Secs]		[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 2-6 in Visit 36	900 Secs (1103 Secs)		
									[==>1103.0 Secs]		[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 2-6 in Visit 36	900 Secs (1103 Secs)		
									[==>1103.0 Secs]		[1]
	7	(COS.sp.152 6523)	(7) Q0046+4220	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=52 87; SEGMENT=BOTH; FP-POS=4		Prime + Parallel Group 7-11 in Visit 36	2400 Secs (2470 Secs)		
									[==>2470.0 Secs]		[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Visit 36	750 Secs (1075 Secs)		
									[==>1075.0 Secs]		[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 7-11 in Visit 36	750 Secs (1075 Secs)		
									[==>1075.0 Secs]		[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Visit 36	900 Secs (1117 Secs)		
									[==>1117.0 Secs]		[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 7-11 in Visit 36	900 Secs (1117 Secs)		
									[==>1117.0 Secs]		[2]
	12	(COS.sp.152 6523)	(7) Q0046+4220	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=52 87; FP-POS=4; SEGMENT=BOTH		Prime + Parallel Group 12-16 in Visit 36	2400 Secs (2473 Secs)		
									[==>2473.0 Secs]		[3]
	13		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 12-16 in Visit 36	750 Secs (1075 Secs)		
									[==>1075.0 Secs]		[3]
	14		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 12-16 in Visit 36	750 Secs (1075 Secs)		
									[==>1075.0 Secs]		[3]
	15		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 12-16 in Visit 36	900 Secs (1117 Secs)		
									[==>1117.0 Secs]		[3]
	16		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 12-16 in Visit 36	900 Secs (1117 Secs)		
									[==>1117.0 Secs]		[3]



Orbit 2

Server Version: 20220516



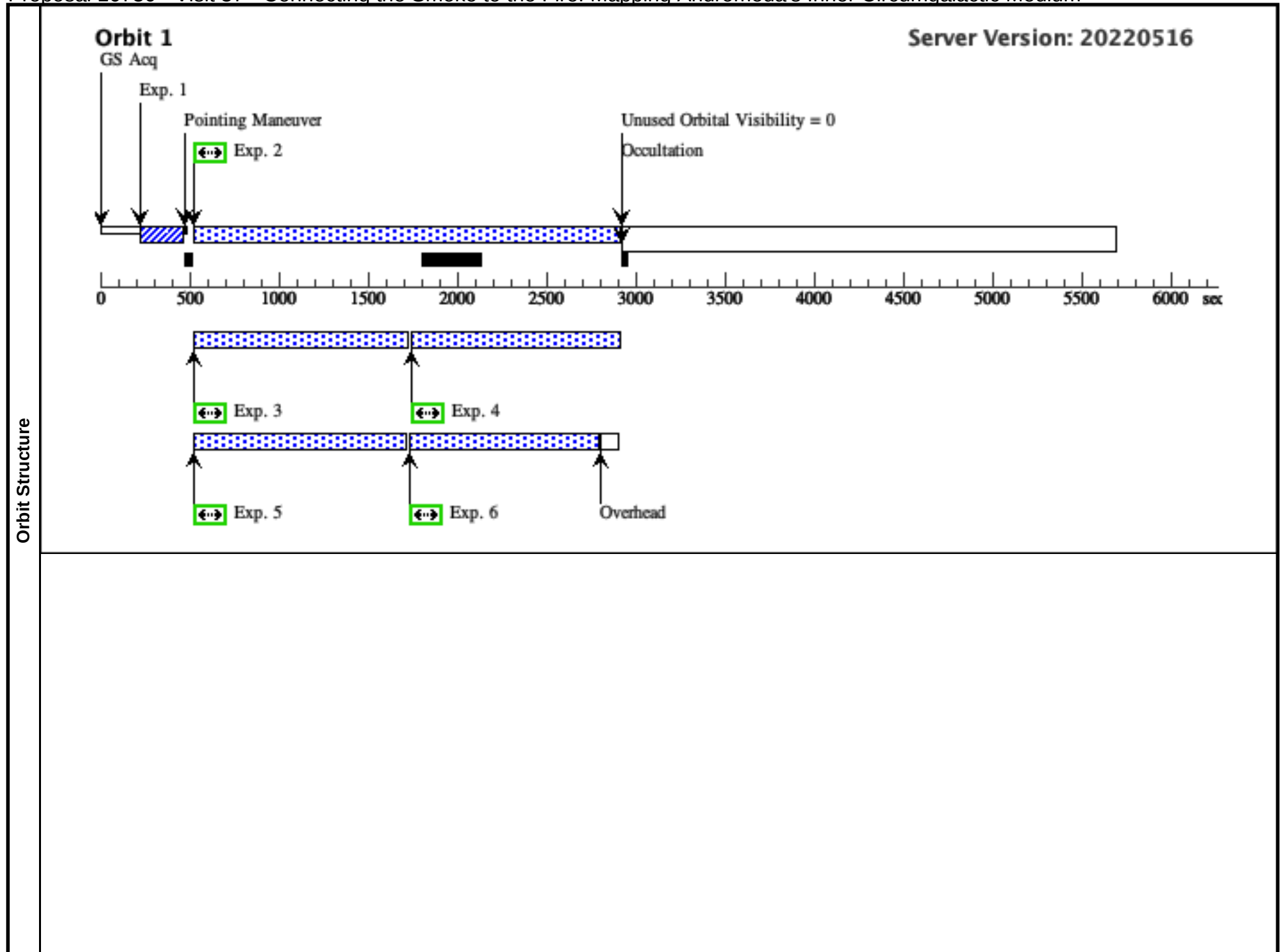


Proposal 16730 - Visit 37 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Visit	Proposal 16730, Visit 37, scheduling Tue Aug 16 20:02:21 GMT 2022				
	Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV Special Requirements: SCHED 100%; SAME ORIENT AS 34				
Diagnosics	(Visit 37) 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.				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(7)	Q0046+4220	RA: 00 46 55.5168 (11.7313200d) Dec: +42 20 50.10 (42.34725d) Equinox: J2000		V=17.8 GALEX FUV=18.96 (FUV) = 1. 1E-15 cgs (GHRS G140L)
Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC, ABSORPTION LINE SYSTEM - GALACTIC] Extended=NO					
Miscellaneous					
Reference Frame: ICRS					

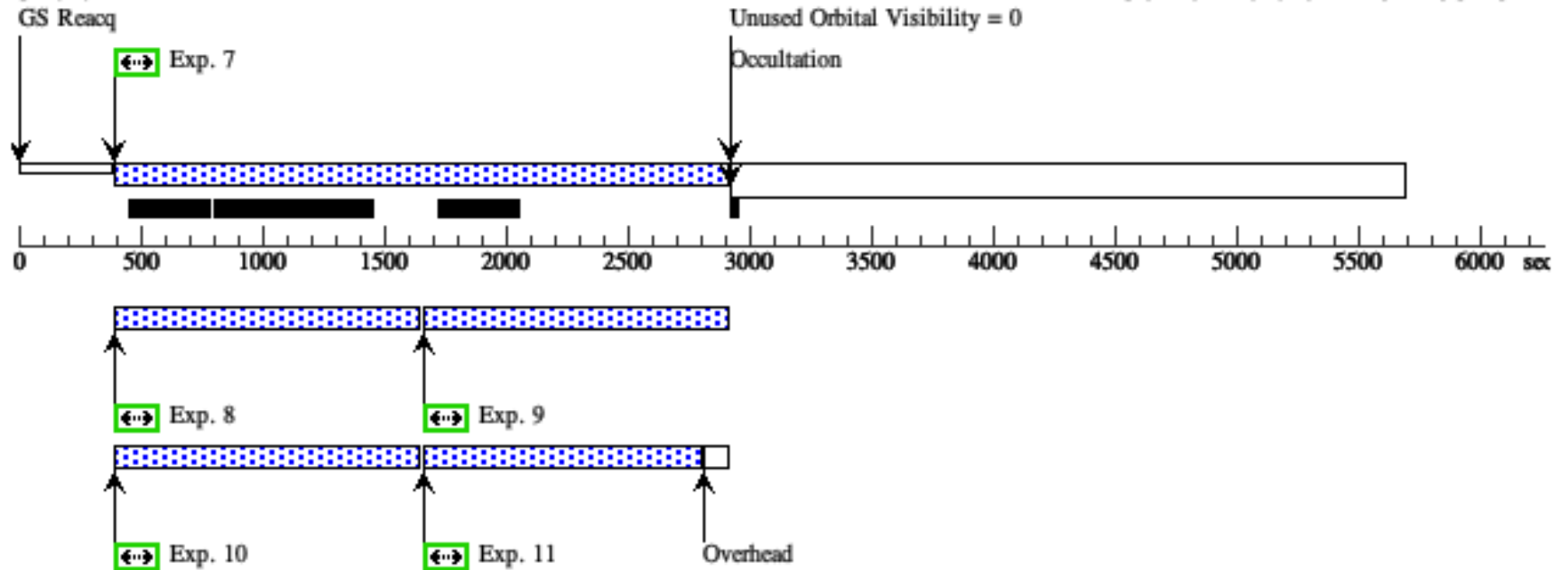
Proposal 16730 - Visit 37 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

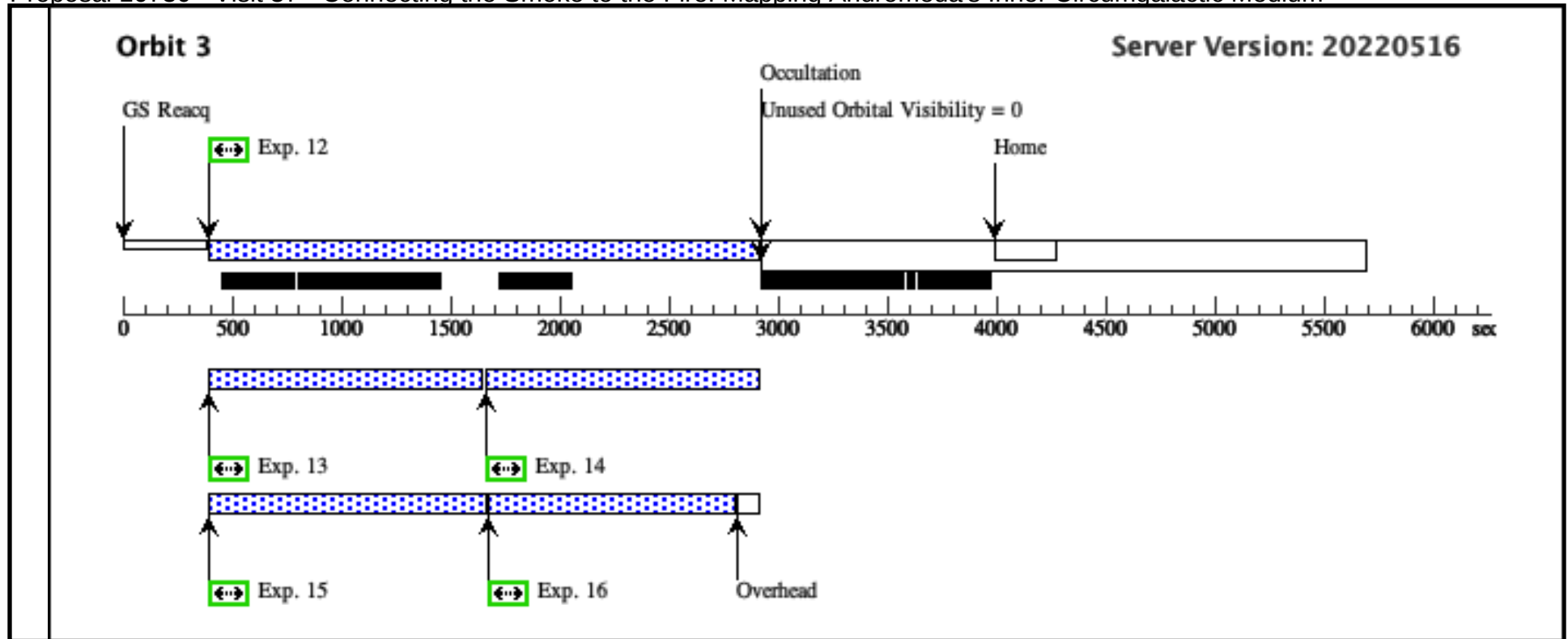
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(COS.ta.154 3028)	(7) Q0046+4220	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				2.7 Secs (2.7 Secs)		
									[==>]		[1]
	2	(COS.sa.152 6552)	(7) Q0046+4220	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=19 338; SEGMENT=BOTH; FP-POS=1		Prime + Parallel Group 2-6 in Visit 37	784 Secs (2175 Secs)		
									[==>2175.0 Secs]		[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 2-6 in Visit 37	750 Secs (994 Secs)		
									[==>994.0 Secs]		[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 2-6 in Visit 37	750 Secs (994 Secs)		
									[==>994.0 Secs]		[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 2-6 in Visit 37	900 Secs (1041.5 Secs)		
									[==>1041.5 Secs]		[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 2-6 in Visit 37	900 Secs (1041.5 Secs)		
									[==>1041.5 Secs]		[1]
	7	(COS.sa.152 6552)	(7) Q0046+4220	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=19 338; SEGMENT=BOTH; FP-POS=1		Prime + Parallel Group 7-11 in Visit 37	2400 Secs (2473 Secs)		
									[==>2473.0 Secs]		[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Visit 37	750 Secs (1075 Secs)		
									[==>1075.0 Secs]		[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 7-11 in Visit 37	750 Secs (1075 Secs)		
									[==>1075.0 Secs]		[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Visit 37	900 Secs (1117 Secs)		
									[==>1117.0 Secs]		[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 7-11 in Visit 37	900 Secs (1117 Secs)		
									[==>1117.0 Secs]		[2]
	12	(COS.sa.152 6552)	(7) Q0046+4220	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=19 338; SEGMENT=BOTH; FP-POS=1		Prime + Parallel Group 12-16 in Visit 37	2400 Secs (2473 Secs)		
									[==>2473.0 Secs]		[3]
	13		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 12-16 in Visit 37	750 Secs (1075 Secs)		
									[==>1075.0 Secs]		[3]
	14		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 12-16 in Visit 37	750 Secs (1075 Secs)		
									[==>1075.0 Secs]		[3]
	15		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 12-16 in Visit 37	900 Secs (1129 Secs)		
									[==>1129.0 Secs]		[3]
	16		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 12-16 in Visit 37	900 Secs (1129 Secs)		
									[==>1129.0 Secs]		[3]



Orbit 2

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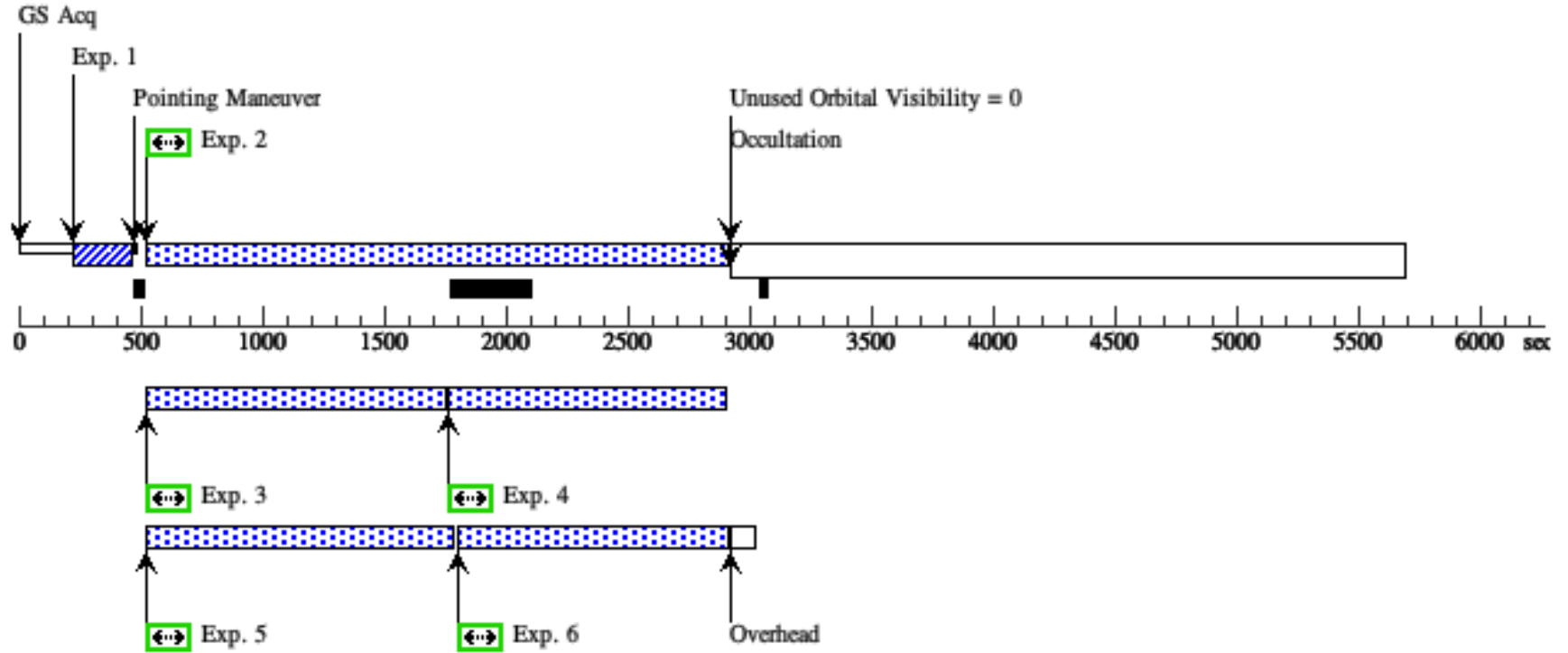


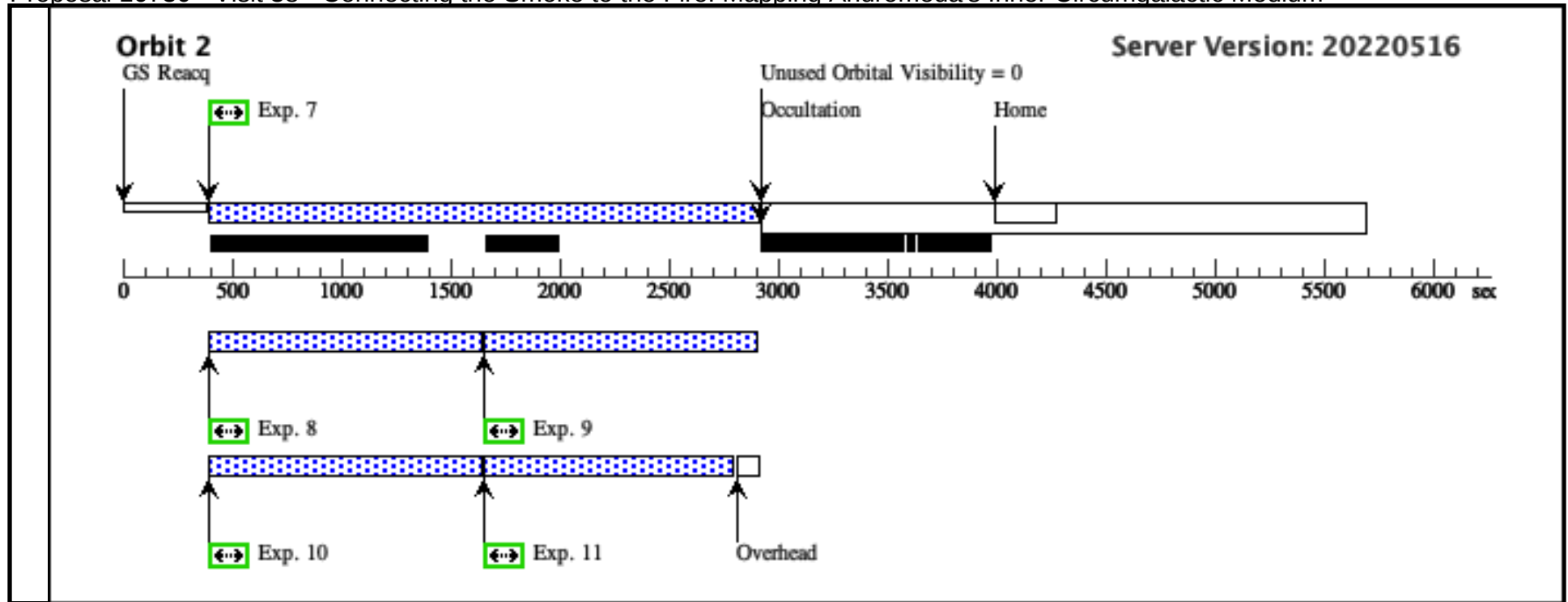
Proposal 16730 - Visit 38 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Visit	Proposal 16730, Visit 38, scheduling										Tue Aug 16 20:02:21 GMT 2022
	Diagnostic Status: Warning										
	Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV										
	Special Requirements: SCHED 100%; SAME ORIENT AS 34										
Diagnostics	(Visit 38) 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.										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes		Miscellaneous		
	(7)	Q0046+4220	RA: 00 46 55.5168 (11.7313200d) Dec: +42 20 50.10 (42.34725d) Equinox: J2000				V=17.8 GALEX FUV=18.96 (FUV) = 1. 1E-15 cgs (GHRS G140L)		Reference Frame: ICRS		
Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC, ABSORPTION LINE SYSTEM - GALACTIC] 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.ta.154 3028)	(7) Q0046+4220	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				2.7 Secs (2.7 Secs)		
									[==>]		[1]
	2	(COS.sa.152 6552)	(7) Q0046+4220	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=19 338; SEGMENT=BOTH; FP-POS=2		Prime + Parallel Gro up 2-6 in Visit 38	2222 Secs (2175 Secs)		
									[==>2175.0 Secs]		[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 2-6 in Visit 38	750 Secs (1021 Secs)		
									[==>1021.0 Secs]		[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 2-6 in Visit 38	750 Secs (1021 Secs)		
									[==>1021.0 Secs]		[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 2-6 in Visit 38	900 Secs (1114 Secs)		
									[==>1114.0 Secs]		[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 2-6 in Visit 38	900 Secs (1114 Secs)		
									[==>1114.0 Secs]		[1]
	7	(COS.sa.152 6552)	(7) Q0046+4220	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=19 338; SEGMENT=BOTH; FP-POS=2		Prime + Parallel Gro up 7-11 in Visit 38	2473 Secs (2473 Secs)		
									[==>]		[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 7-11 in Visit 38	750 Secs (1129 Secs)		
								[==>1129.0 Secs]		[2]	
9		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 7-11 in Visit 38	750 Secs (1129 Secs)			
								[==>1129.0 Secs]		[2]	
10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 7-11 in Visit 38	900 Secs (1139 Secs)			
								[==>1139.0 Secs]		[2]	
11		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 7-11 in Visit 38	900 Secs (1139 Secs)			
								[==>1139.0 Secs]		[2]	

Orbit 1

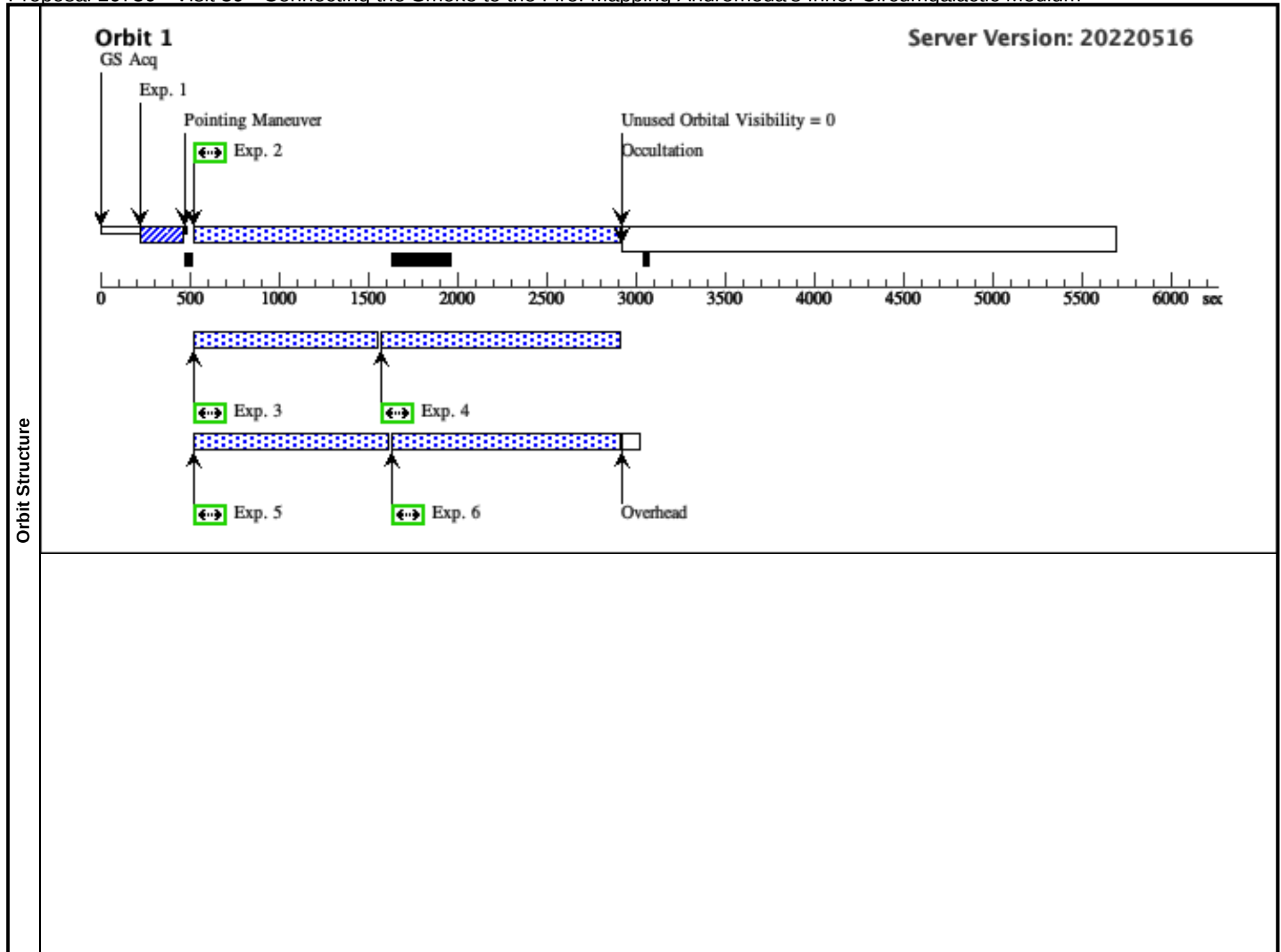
Server Version: 20220516

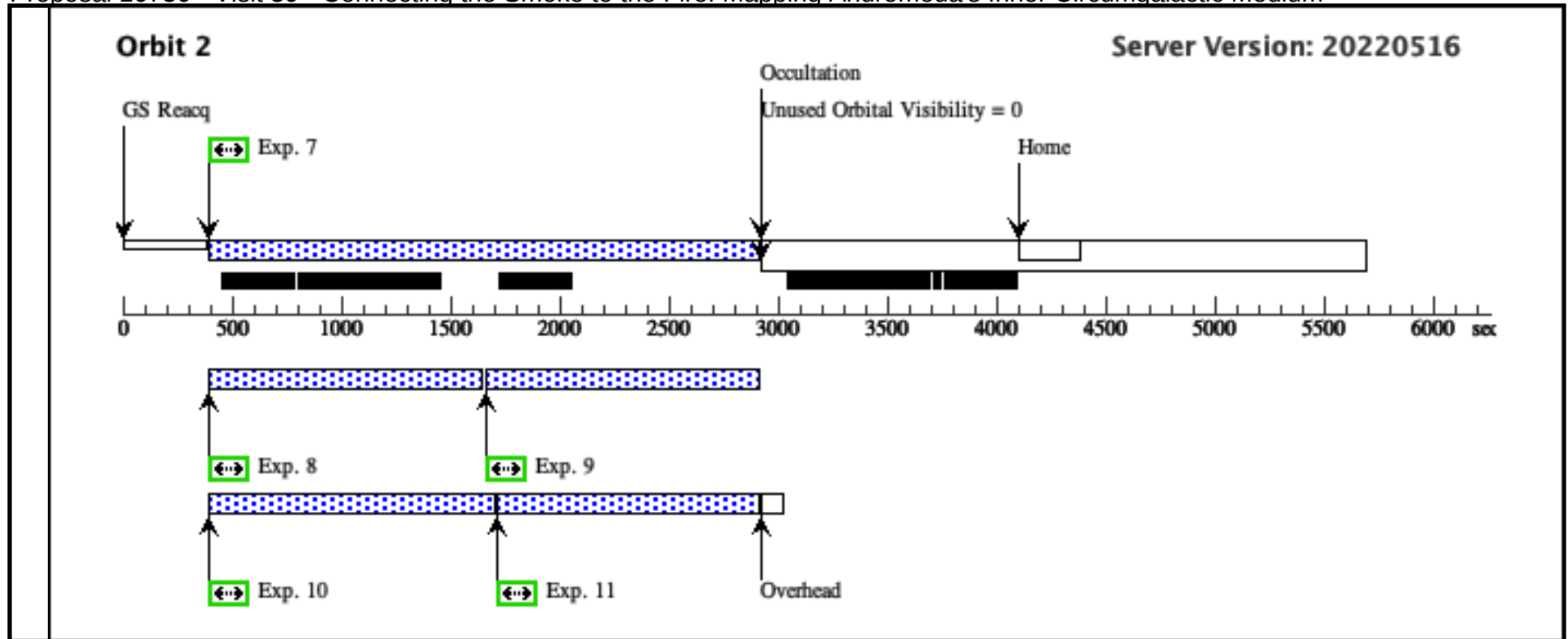




Proposal 16730 - Visit 39 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Visit	Proposal 16730, Visit 39, scheduling								Tue Aug 16 20:02:22 GMT 2022	
	Diagnostic Status: Warning									
	Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV									
	Special Requirements: SCHED 100%; SAME ORIENT AS 34									
Diagnostics	(Visit 39) 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.									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(7)	Q0046+4220	RA: 00 46 55.5168 (11.7313200d) Dec: +42 20 50.10 (42.34725d) Equinox: J2000			V=17.8 GALEX FUV=18.96 (FUV) = 1. 1E-15 cgs (GHRS G140L)		Reference Frame: ICRS		
	Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC, ABSORPTION LINE SYSTEM - GALACTIC] 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.ta.154 3028)	(7) Q0046+4220	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				2.7 Secs (2.7 Secs) [==>]	[1]
	2	(COS.sp.152 6148)	(7) Q0046+4220	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=17 307; SEGMENT=BOTH; FP-POS=3		Prime + Parallel Gro up 2-6 in Visit 39	784 Secs (2175 Secs) [==>2175.0 Secs]	[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 2-6 in Visit 39	750 Secs (827 Secs) [==>827.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Gro up 2-6 in Visit 39	750 Secs (1161 Secs) [==>1161.0 Secs]	[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 2-6 in Visit 39	900 Secs (949 Secs) [==>949.0 Secs]	[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Gro up 2-6 in Visit 39	900 Secs (1257 Secs) [==>1257.0 Secs]	[1]
	7	(COS.sp.152 6148)	(7) Q0046+4220	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=17 307; SEGMENT=BOTH; FP-POS=3		Prime + Parallel Gro up 7-11 in Visit 39	2400 Secs (2473 Secs) [==>2473.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 7-11 in Visit 39	750 Secs (1075 Secs) [==>1075.0 Secs]	[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Gro up 7-11 in Visit 39	750 Secs (1075 Secs) [==>1075.0 Secs]	[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 7-11 in Visit 39	900 Secs (1175 Secs) [==>1175.0 Secs]	[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Gro up 7-11 in Visit 39	900 Secs (1175 Secs) [==>1175.0 Secs]	[2]



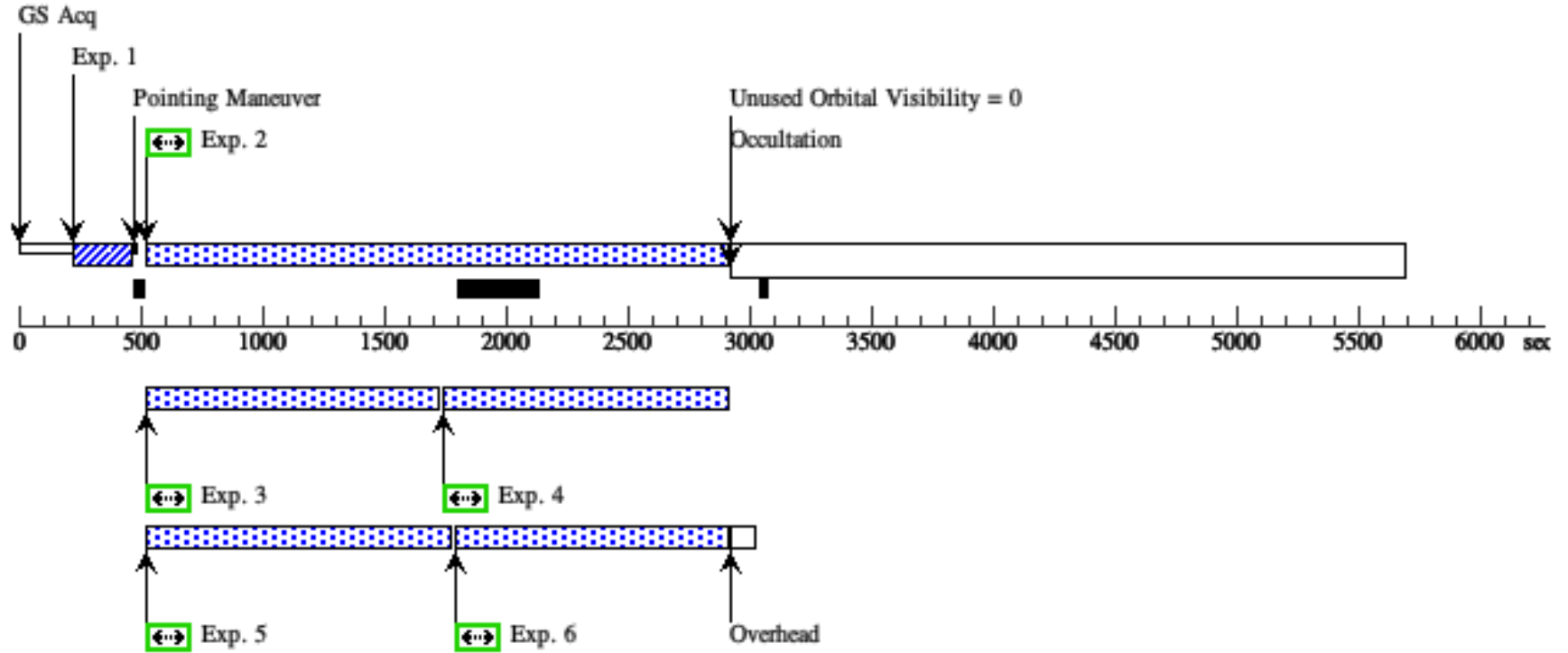


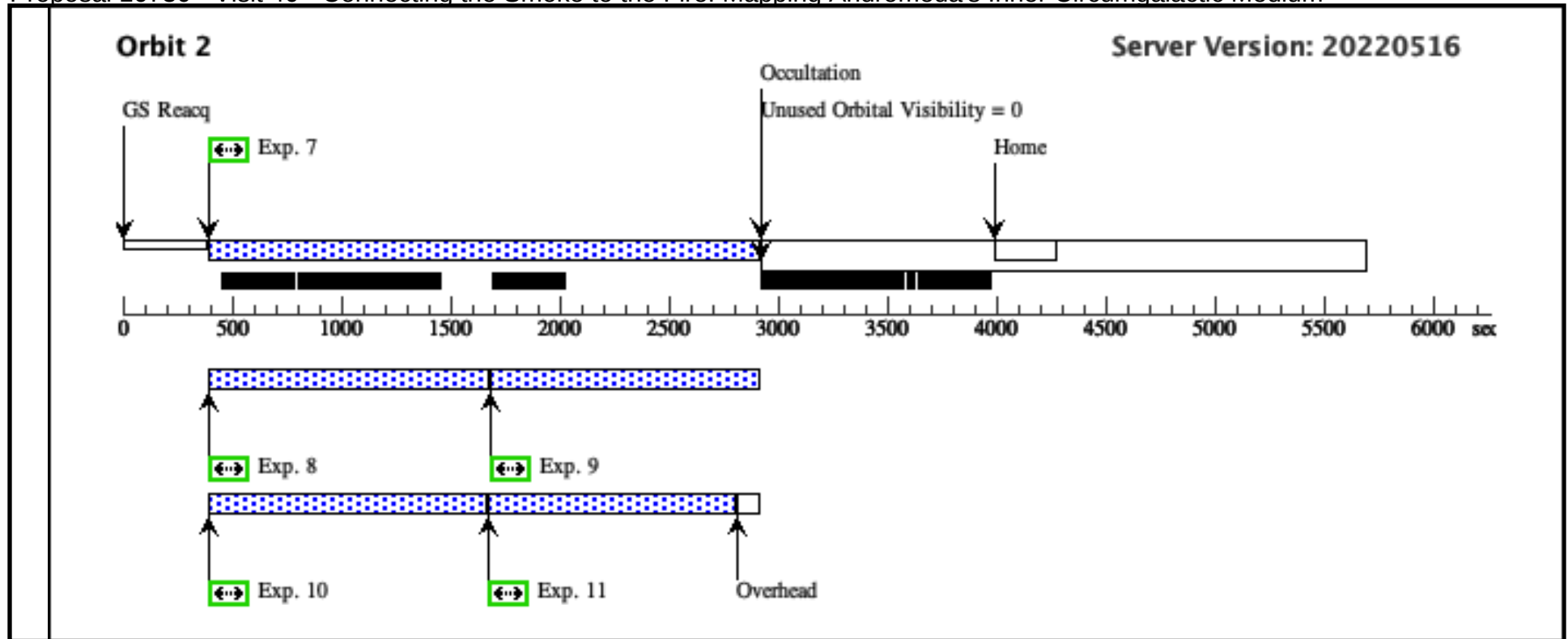
Proposal 16730 - Visit 40 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Visit	Proposal 16730, Visit 40, scheduling										Tue Aug 16 20:02:22 GMT 2022	
	Diagnostic Status: Warning											
	Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV											
	Special Requirements: SCHED 100%; SAME ORIENT AS 34											
Diagnostics	(Visit 40) 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.											
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes		Miscellaneous			
	(7)	Q0046+4220	RA: 00 46 55.5168 (11.7313200d) Dec: +42 20 50.10 (42.34725d) Equinox: J2000				V=17.8 GALEX FUV=18.96 (FUV) = 1. 1E-15 cgs (GHRS G140L)		Reference Frame: ICRS			
	Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC, ABSORPTION LINE SYSTEM - GALACTIC] 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.ta.154 3028)	(7) Q0046+4220	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				2.7 Secs (2.7 Secs)			
									[==>]		[1]	
	2	(COS.sp.152 6148)	(7) Q0046+4220	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=17 307; SEGMENT=BOTH; FP-POS=4		Prime + Parallel Gro up 2-6 in Visit 40	2400 Secs (2175 Secs)			
									[==>2175.0 Secs]		[1]	
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 2-6 in Visit 40	750 Secs (994 Secs)			
									[==>994.0 Secs]		[1]	
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Gro up 2-6 in Visit 40	750 Secs (994 Secs)			
									[==>994.0 Secs]		[1]	
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 2-6 in Visit 40	900 Secs (1103 Secs)			
									[==>1103.0 Secs]		[1]	
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Gro up 2-6 in Visit 40	900 Secs (1103 Secs)			
									[==>1103.0 Secs]		[1]	
	7	(COS.sp.152 6148)	(7) Q0046+4220	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=17 307; SEGMENT=BOTH; FP-POS=4		Prime + Parallel Gro up 7-11 in Visit 40	2473 Secs (2473 Secs)			
									[==>]		[2]	
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 7-11 in Visit 40	750 Secs (1103 Secs)			
								[==>1103.0 Secs]		[2]		
9		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 7-11 in Visit 40	750 Secs (1103 Secs)				
								[==>1103.0 Secs]		[2]		
10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 7-11 in Visit 40	900 Secs (1129 Secs)				
								[==>1129.0 Secs]		[2]		
11		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 7-11 in Visit 40	900 Secs (1129 Secs)				
								[==>1129.0 Secs]		[2]		

Orbit 1

Server Version: 20220516



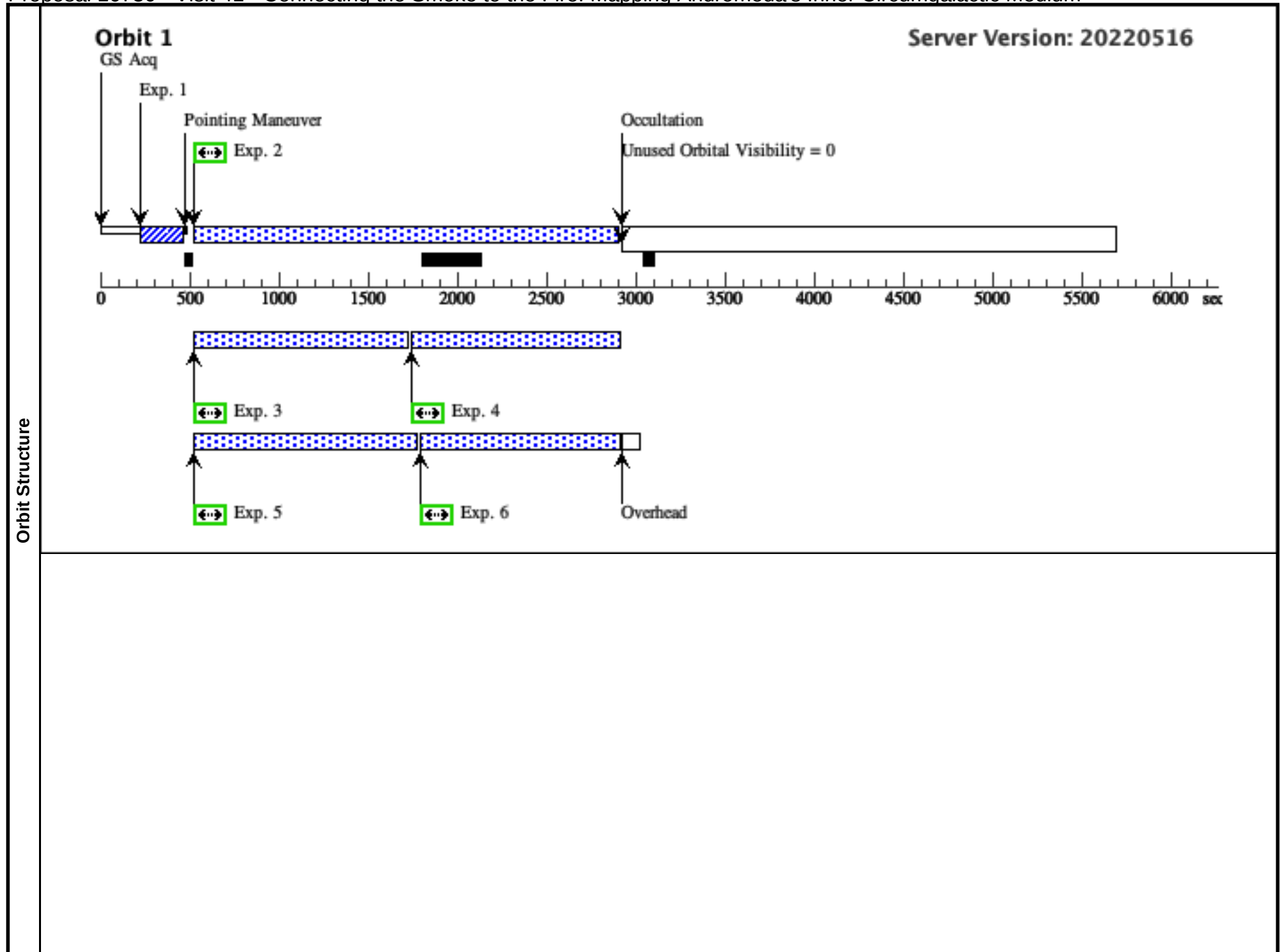


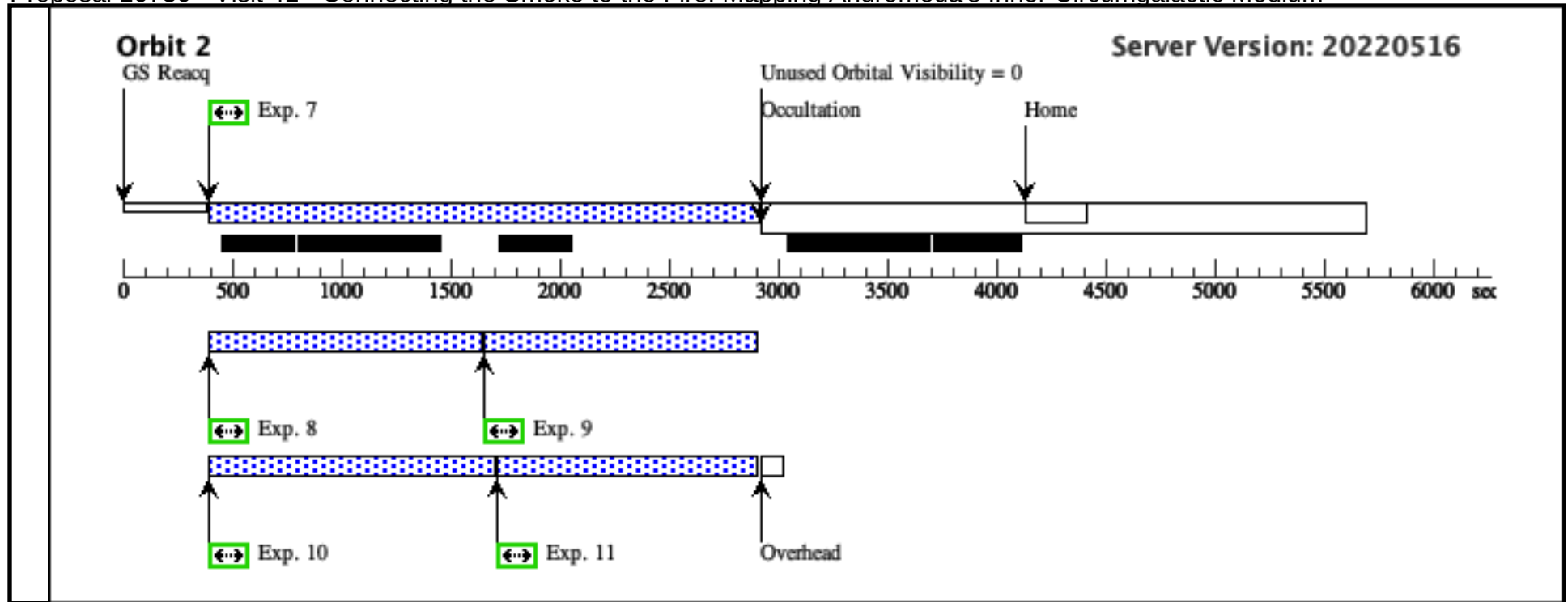
Proposal 16730 - Visit 41 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Visit	Proposal 16730, Visit 41, completed					Tue Aug 16 20:02:22 GMT 2022
	Diagnostic Status: Warning					
	Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%					
Diagnosics	(Visit 41) 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.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(8)	LAMOSTJ003432.52+39 1836.1	RA: 00 34 32.5176 (8.6354900d) Dec: +39 18 36.07 (39.31002d) Equinox: J2000		V=17.9 GALEX FUV=18.43	Reference Frame: ICRS
	Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC, ABSORPTION LINE SYSTEM - GALACTIC] Extended=NO					

Proposal 16730 - Visit 41 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(COS.ta.154 3347)	(8) LAMOSTJ00343 2.52+391836.1	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				2.5 Secs (2.5 Secs)	
									[==>]	[1]
	2	(COS.sp.152 6524)	(8) LAMOSTJ00343 2.52+391836.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=48 18; FP-POS=3; SEGMENT=BOTH; FLASH=YES		Prime + Parallel Gro up 2-6 in Visit 41	2400 Secs (2215 Secs)	
									[==>2215.0 Secs]	[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 2-6 in Visit 41	750 Secs (993 Secs)	
									[==>993.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Gro up 2-6 in Visit 41	750 Secs (993 Secs)	
									[==>993.0 Secs]	[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 2-6 in Visit 41	900 Secs (1102 Secs)	
									[==>1102.0 Secs]	[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Gro up 2-6 in Visit 41	900 Secs (1102 Secs)	
									[==>1102.0 Secs]	[1]
	7	(COS.sp.152 6524)	(8) LAMOSTJ00343 2.52+391836.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=48 18; SEGMENT=BOTH; FLASH=YES; FP-POS=3		Prime + Parallel Gro up 7-11 in Visit 41	2400 Secs (2471 Secs)	
									[==>2471.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 7-11 in Visit 41	750 Secs (1074 Secs)	
									[==>1074.0 Secs]	[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Gro up 7-11 in Visit 41	750 Secs (1074 Secs)	
									[==>1074.0 Secs]	[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 7-11 in Visit 41	900 Secs (1174 Secs)	
									[==>1174.0 Secs]	[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Gro up 7-11 in Visit 41	900 Secs (1174 Secs)	
									[==>1174.0 Secs]	[2]



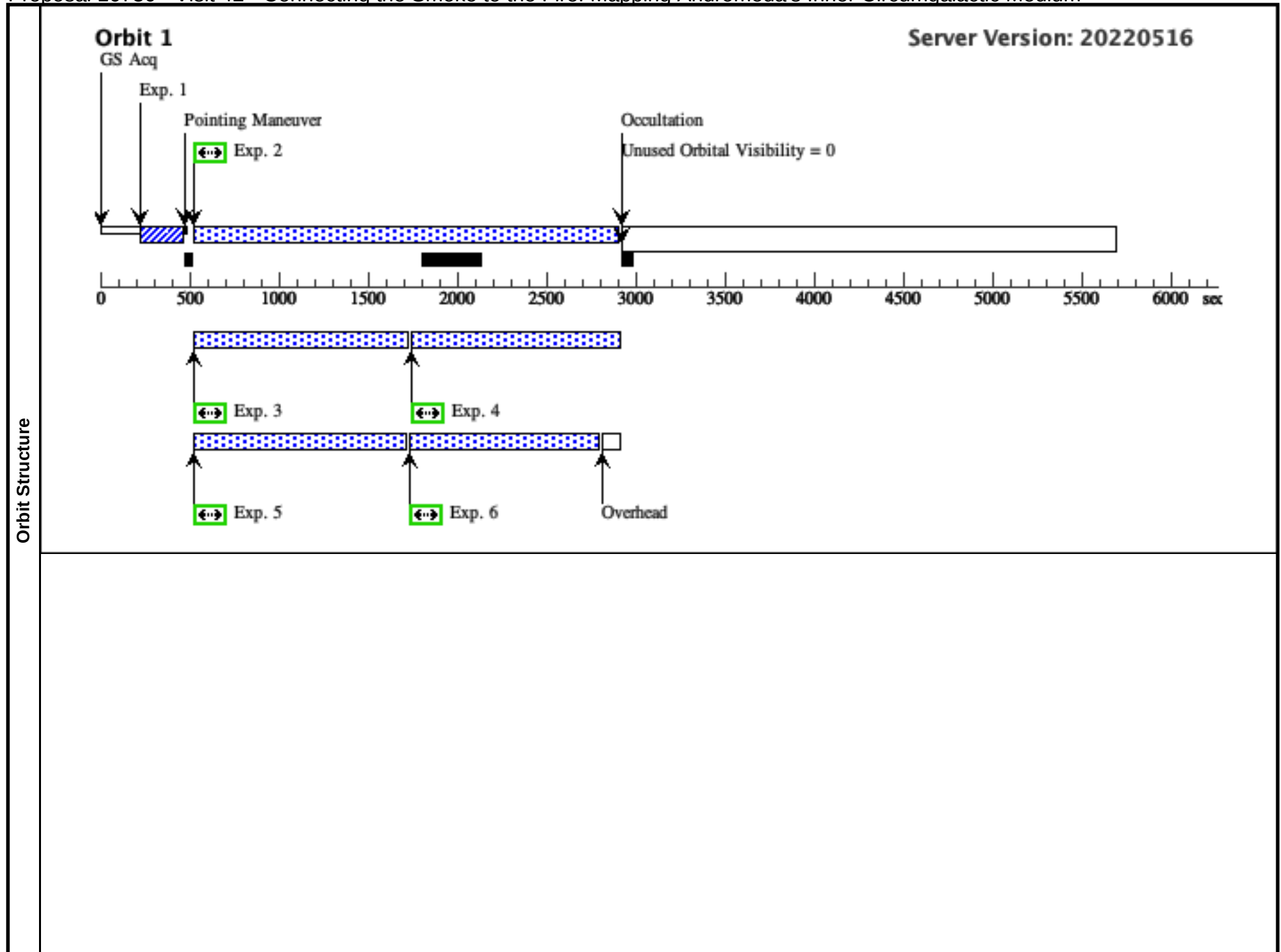


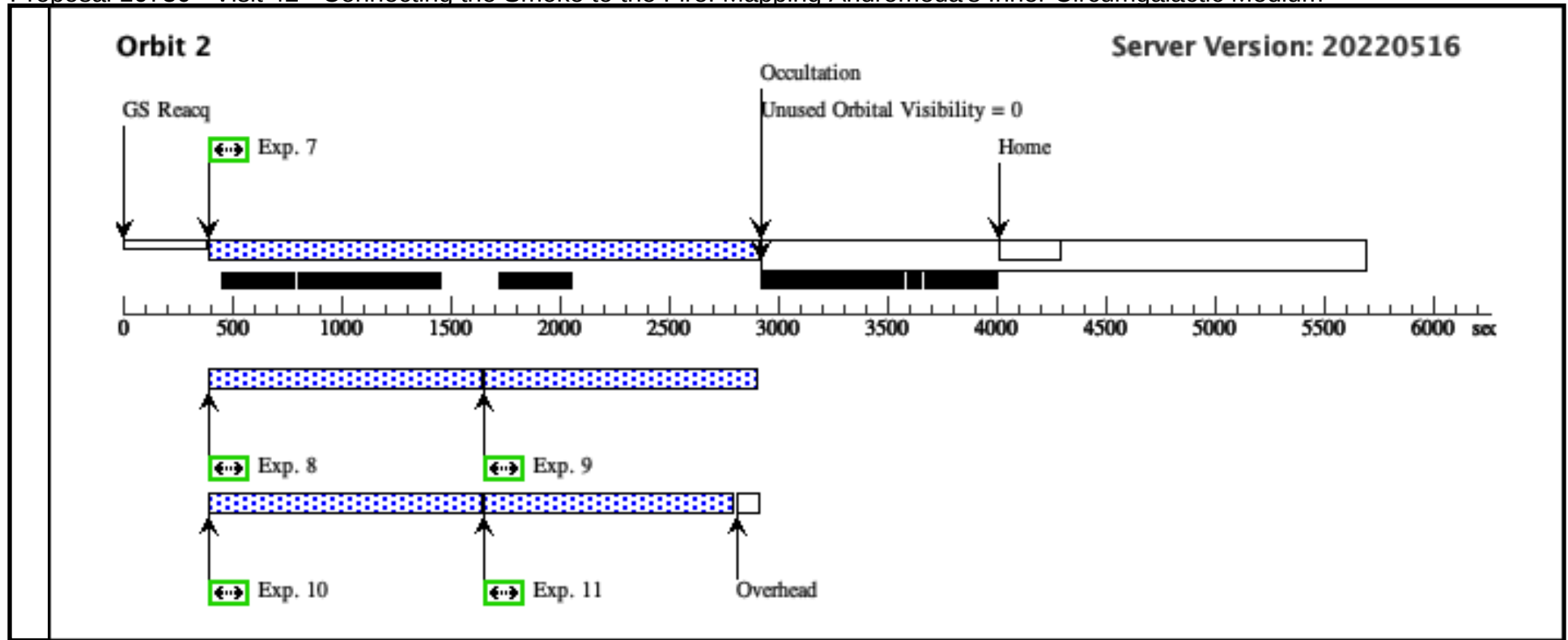
Proposal 16730 - Visit 42 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Visit	Proposal 16730, Visit 42, completed					Tue Aug 16 20:02:22 GMT 2022
	Diagnostic Status: Warning					
	Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%; SAME ORIENT AS 41					
Diagnosics	(Visit 42) 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.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(8)	LAMOSTJ003432.52+39 1836.1	RA: 00 34 32.5176 (8.6354900d) Dec: +39 18 36.07 (39.31002d) Equinox: J2000		V=17.9 GALEX FUV=18.43	Reference Frame: ICRS
	Comments:					
	Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC, ABSORPTION LINE SYSTEM - GALACTIC] Extended=NO					

Proposal 16730 - Visit 42 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(COS.ta.154 3347)	(8) LAMOSTJ00343 2.52+391836.1	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				2.5 Secs (2.5 Secs)	
									[==>]	[1]
	2	(COS.sp.152 6524)	(8) LAMOSTJ00343 2.52+391836.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=48 18; FP-POS=4; SEGMENT=BOTH; FLASH=YES		Prime + Parallel Gro up 2-6 in Visit 42	2200 Secs (2215 Secs)	
									[==>2215.0 Secs]	[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 2-6 in Visit 42	750 Secs (993 Secs)	
									[==>993.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Gro up 2-6 in Visit 42	750 Secs (993 Secs)	
									[==>993.0 Secs]	[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 2-6 in Visit 42	900 Secs (1044 Secs)	
									[==>1044.0 Secs]	[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Gro up 2-6 in Visit 42	900 Secs (1044 Secs)	
									[==>1044.0 Secs]	[1]
	7	(COS.sp.152 6524)	(8) LAMOSTJ00343 2.52+391836.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=48 18; FP-POS=4; SEGMENT=BOTH; FLASH=YES		Prime + Parallel Gro up 7-11 in Visit 42	2473 Secs (2471 Secs)	
									[==>2471.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 7-11 in Visit 42	750 Secs (1074 Secs)	
									[==>1074.0 Secs]	[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Gro up 7-11 in Visit 42	750 Secs (1074 Secs)	
									[==>1074.0 Secs]	[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 7-11 in Visit 42	900 Secs (1116 Secs)	
									[==>1116.0 Secs]	[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Gro up 7-11 in Visit 42	900 Secs (1116 Secs)	
									[==>1116.0 Secs]	[2]





Proposal 16730 - Visit 43 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

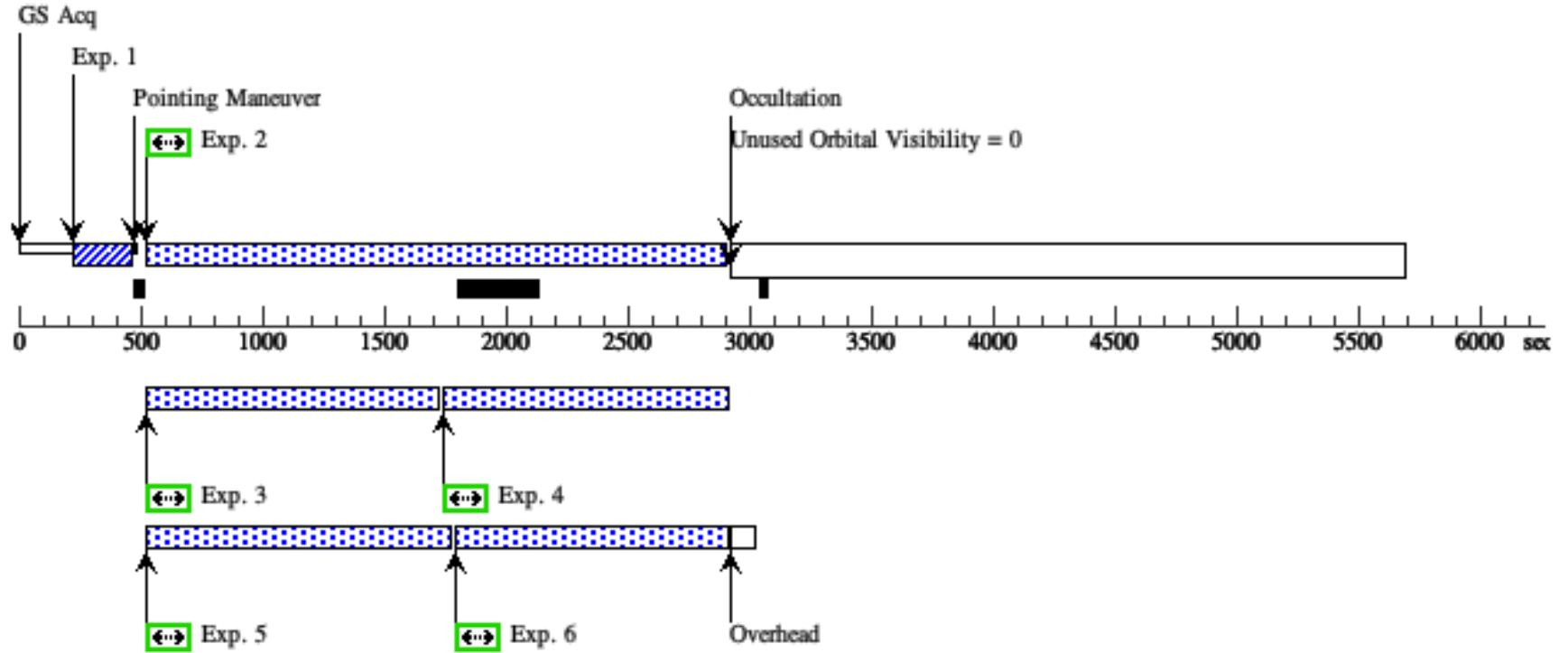
Visit	Proposal 16730, Visit 43, completed					Tue Aug 16 20:02:22 GMT 2022
	Diagnostic Status: Error Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV Special Requirements: SCHED 100%; SAME ORIENT AS 41					
Diagnostics	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 43)) Error (Form): Illegal selection: G160M.					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 43)) Error (Form): Illegal selection: PSA.					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 43)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 43)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 43)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 43)) Error (Form): YES is not a valid selection					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 43)) Error (Form): YES is not a valid selection					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 43)) Error (Form): Illegal selection: G160M.					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 43)) Error (Form): Illegal selection: PSA.					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 43)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 43)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 43)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 43)) Error (Form): YES is not a valid selection					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 43)) Error (Form): YES is not a valid selection					
	(Primary Exposure 12 (Prime + Parallel Group 12-16 in Visit 43)) Error (Form): Illegal selection: G160M.					
	(Primary Exposure 12 (Prime + Parallel Group 12-16 in Visit 43)) Error (Form): Illegal selection: PSA.					
	Fixed Targets	(Primary Exposure 12 (Prime + Parallel Group 12-16 in Visit 43)) 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).				
		(Primary Exposure 12 (Prime + Parallel Group 12-16 in Visit 43)) 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).				
(Primary Exposure 12 (Prime + Parallel Group 12-16 in Visit 43)) 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).						
(Primary Exposure 12 (Prime + Parallel Group 12-16 in Visit 43)) Error (Form): YES is not a valid selection						
(Primary Exposure 12 (Prime + Parallel Group 12-16 in Visit 43)) Error (Form): YES is not a valid selection						
(Visit 43) 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.						
#		Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(8)		LAMOSTJ003432.52+39 1836.1	RA: 00 34 32.5176 (8.6354900d) Dec: +39 18 36.07 (39.31002d) Equinox: J2000		V=17.9 GALEX FUV=18.43	Reference Frame: ICRS
Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC, ABSORPTION LINE SYSTEM - GALACTIC] Extended=NO						

Proposal 16730 - Visit 43 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(COS.ta.154 3347)	(8) LAMOSTJ00343 2.52+391836.1	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				2.5 Secs (2.5 Secs)		
									[==>]		[1]
	2	(COS.sp.152 6543)	(8) LAMOSTJ00343 2.52+391836.1	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=15 744; SEGMENT=BOTH; FLASH=YES; FP-POS=1		Prime + Parallel Gro up 2-6 in Visit 43	784 Secs (2173 Secs)		
									[==>2173.0 Secs]		[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 2-6 in Visit 43	750 Secs (993 Secs)		
									[==>993.0 Secs]		[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Gro up 2-6 in Visit 43	750 Secs (993 Secs)		
									[==>993.0 Secs]		[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 2-6 in Visit 43	900 Secs (1101.5 Secs)		
									[==>1101.5 Secs]		[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Gro up 2-6 in Visit 43	900 Secs (1101.5 Secs)		
									[==>1101.5 Secs]		[1]
	7	(COS.sp.152 6543)	(8) LAMOSTJ00343 2.52+391836.1	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=15 744; SEGMENT=BOTH; FLASH=YES; FP-POS=2		Prime + Parallel Gro up 7-11 in Visit 43	2400 Secs (2468 Secs)		
									[==>2468.0 Secs]		[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 7-11 in Visit 43	750 Secs (1074 Secs)		
									[==>1074.0 Secs]		[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Gro up 7-11 in Visit 43	750 Secs (1074 Secs)		
									[==>1074.0 Secs]		[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 7-11 in Visit 43	900 Secs (1174 Secs)		
									[==>1174.0 Secs]		[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Gro up 7-11 in Visit 43	900 Secs (1174 Secs)		
									[==>1174.0 Secs]		[2]
	12	(COS.sp.152 6543)	(8) LAMOSTJ00343 2.52+391836.1	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=15 744; SEGMENT=BOTH; FLASH=YES; FP-POS=3		Prime + Parallel Gro up 12-16 in Visit 43	2400 Secs (2468 Secs)		
									[==>2468.0 Secs]		[3]
	13		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 12-16 in Visit 43	750 Secs (1074 Secs)		
									[==>1074.0 Secs]		[3]
	14		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Gro up 12-16 in Visit 43	750 Secs (1074 Secs)		
									[==>1074.0 Secs]		[3]
	15		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 12-16 in Visit 43	900 Secs (1186 Secs)		
									[==>1186.0 Secs]		[3]
	16		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 12-16 in Visit 43	900 Secs (1186 Secs)		
									[==>1186.0 Secs]		[3]

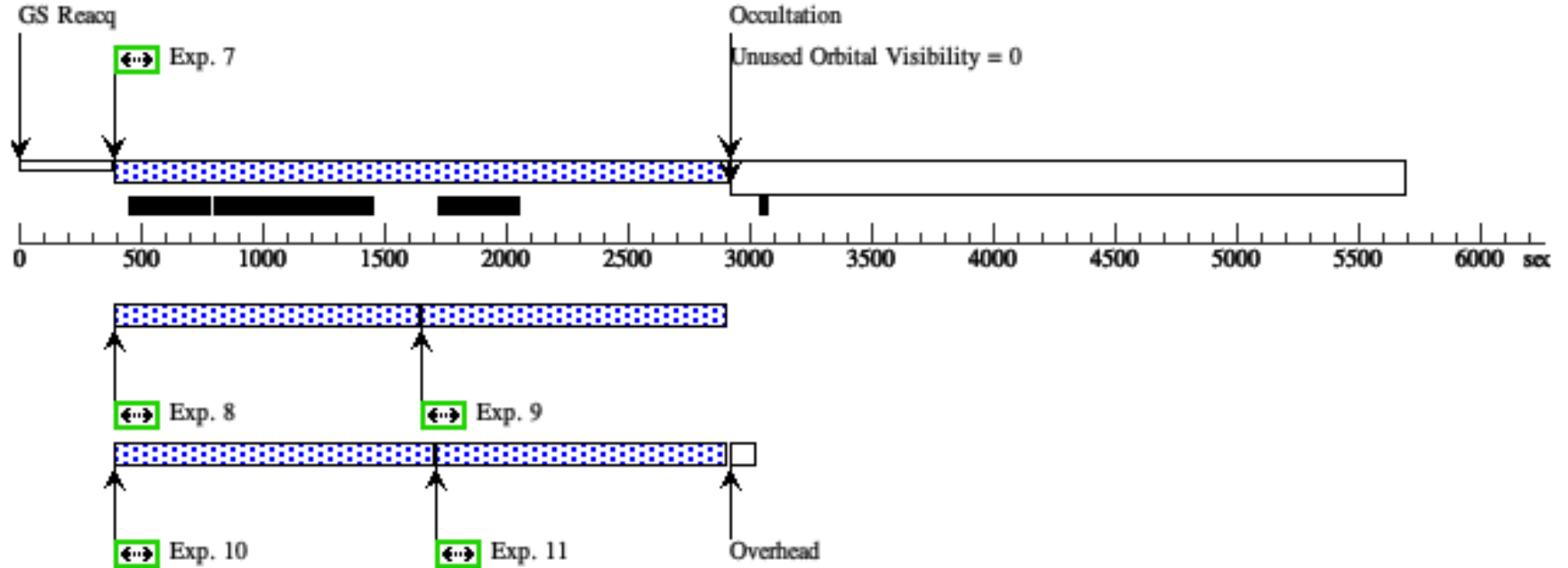
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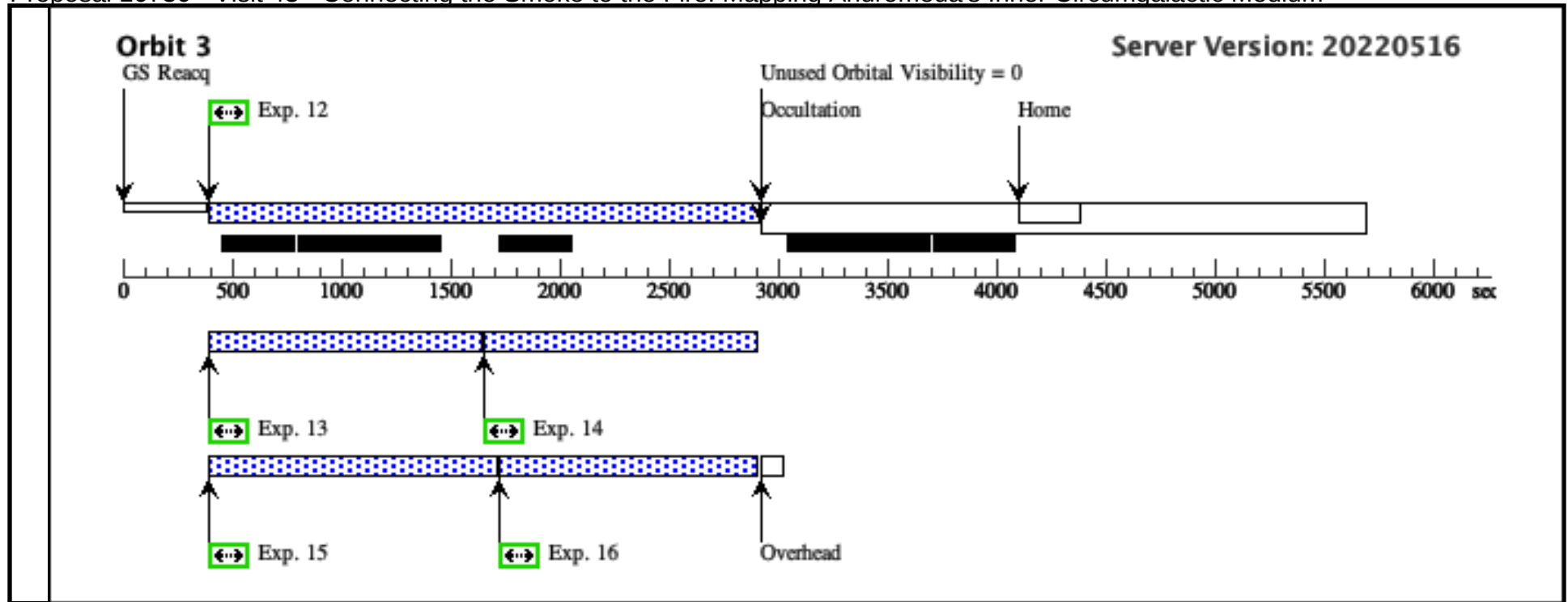
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Orbit 2

Server Version: 20220516





Proposal 16730 - Visit 44 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

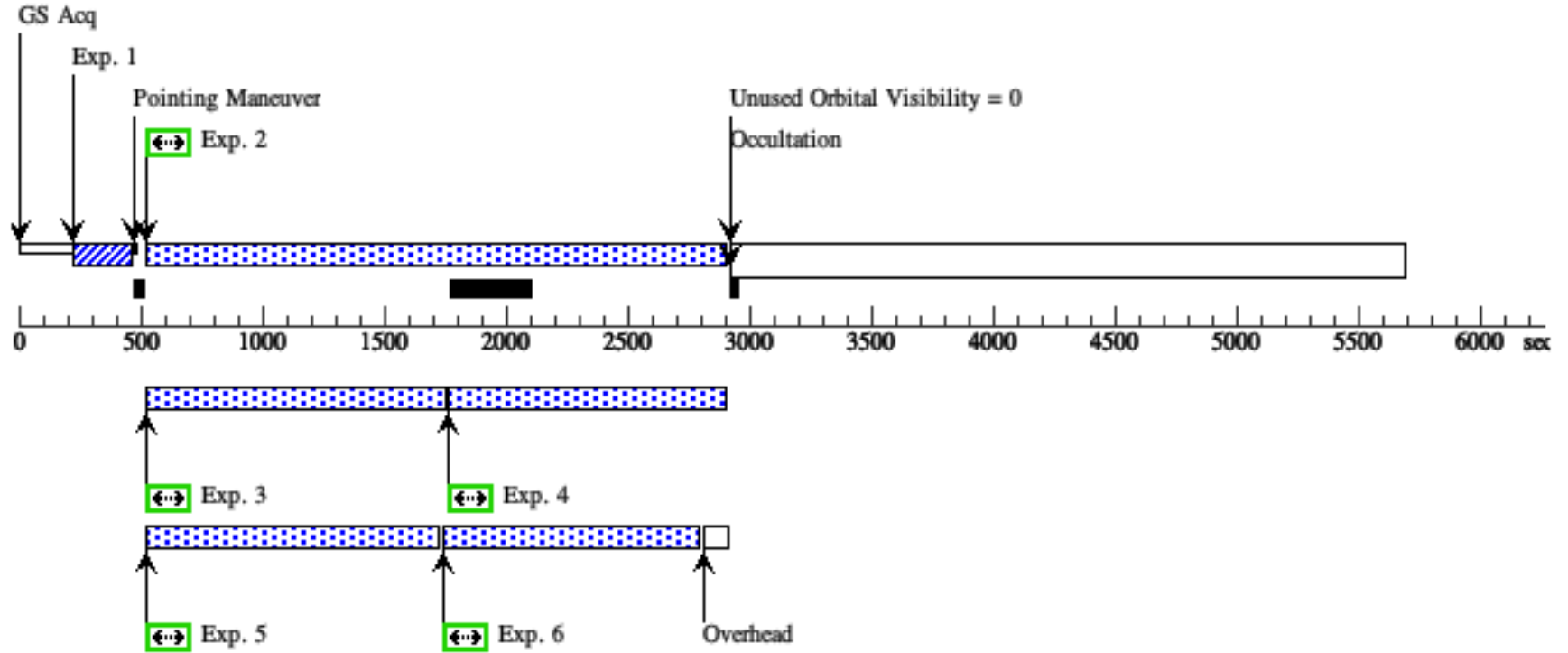
Visit	Proposal 16730, Visit 44, completed					Tue Aug 16 20:02:22 GMT 2022
	Diagnostic Status: Error					
	Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%; SAME ORIENT AS 41					
Diagnostics	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 44)) Error (Form): Illegal selection: G160M.					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 44)) Error (Form): Illegal selection: PSA.					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 44)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 44)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 44)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 44)) Error (Form): YES is not a valid selection					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 44)) Error (Form): YES is not a valid selection					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 44)) Error (Form): Illegal selection: G160M.					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 44)) Error (Form): Illegal selection: PSA.					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 44)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 44)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 44)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 44)) Error (Form): YES is not a valid selection					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 44)) Error (Form): YES is not a valid selection					
	Fixed Targets	(Visit 44) 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.				
#		Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(8)		LAMOSTJ003432.52+39 1836.1	RA: 00 34 32.5176 (8.6354900d)		V=17.9	Reference Frame: ICRS
			Dec: +39 18 36.07 (39.31002d)		GALEX FUV=18.43	
			Equinox: J2000			
Comments:						
Category=ISM						
Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC, ABSORPTION LINE SYSTEM - GALACTIC]						
Extended=NO						

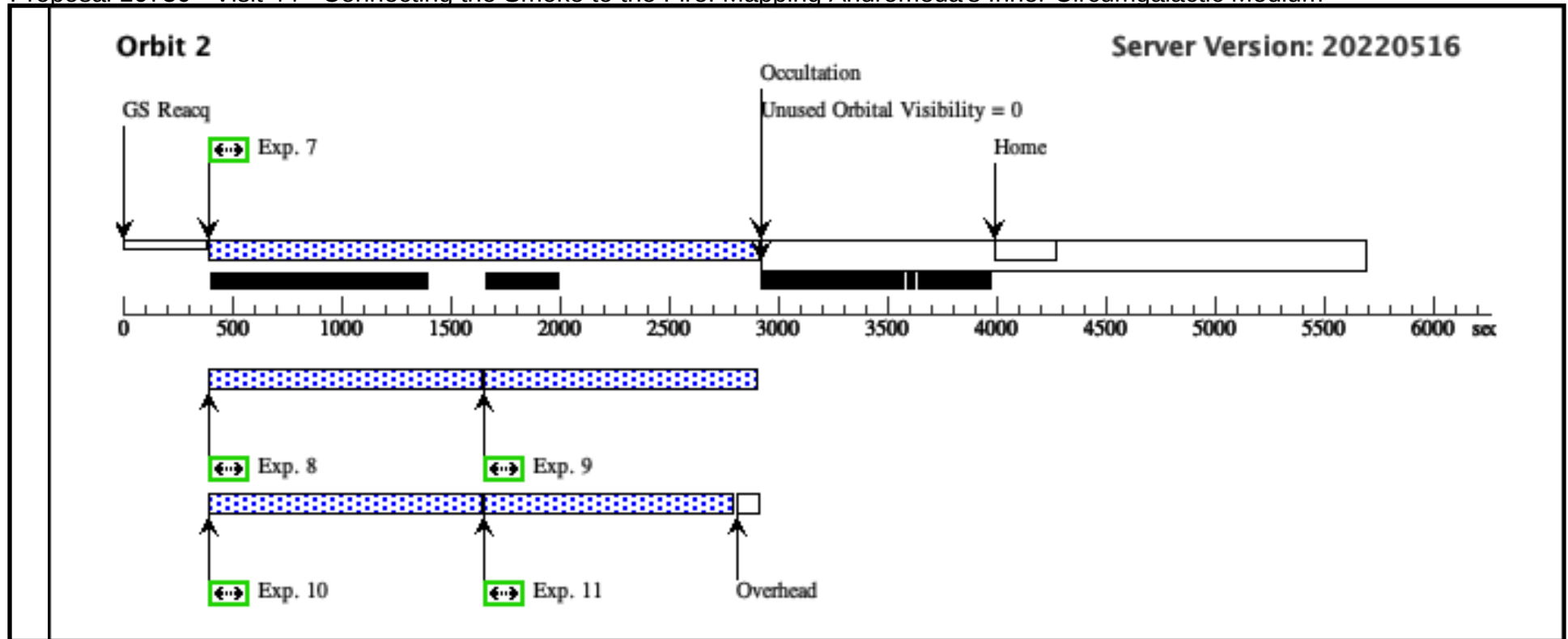
Proposal 16730 - Visit 44 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(COS.ta.154 3347)	(8) LAMOSTJ00343 2.52+391836.1	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				2.5 Secs (2.5 Secs)	
									[==>]	[1]
	2	(COS.sp.152 6543)	(8) LAMOSTJ00343 2.52+391836.1	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=15 744; SEGMENT=BOTH; FLASH=YES; FP-POS=3		Prime + Parallel Gro up 2-6 in Visit 44	2200 Secs (2173 Secs)	
									[==>2173.0 Secs]	[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 2-6 in Visit 44	750 Secs (1020 Secs)	
									[==>1020.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 2-6 in Visit 44	750 Secs (1020 Secs)	
									[==>1020.0 Secs]	[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 2-6 in Visit 44	900 Secs (1055 Secs)	
									[==>1055.0 Secs]	[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 2-6 in Visit 44	900 Secs (1055 Secs)	
									[==>1055.0 Secs]	[1]
	7	(COS.sp.152 6543)	(8) LAMOSTJ00343 2.52+391836.1	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=15 744; SEGMENT=BOTH; FLASH=YES; FP-POS=4		Prime + Parallel Gro up 7-11 in Visit 44	2473 Secs (2468 Secs)	
									[==>2468.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 7-11 in Visit 44	750 Secs (1129 Secs)	
									[==>1129.0 Secs]	[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 7-11 in Visit 44	750 Secs (1129 Secs)	
									[==>1129.0 Secs]	[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 7-11 in Visit 44	900 Secs (1139 Secs)	
									[==>1139.0 Secs]	[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 7-11 in Visit 44	900 Secs (1139 Secs)	
									[==>1139.0 Secs]	[2]

Orbit 1

Server Version: 20220516



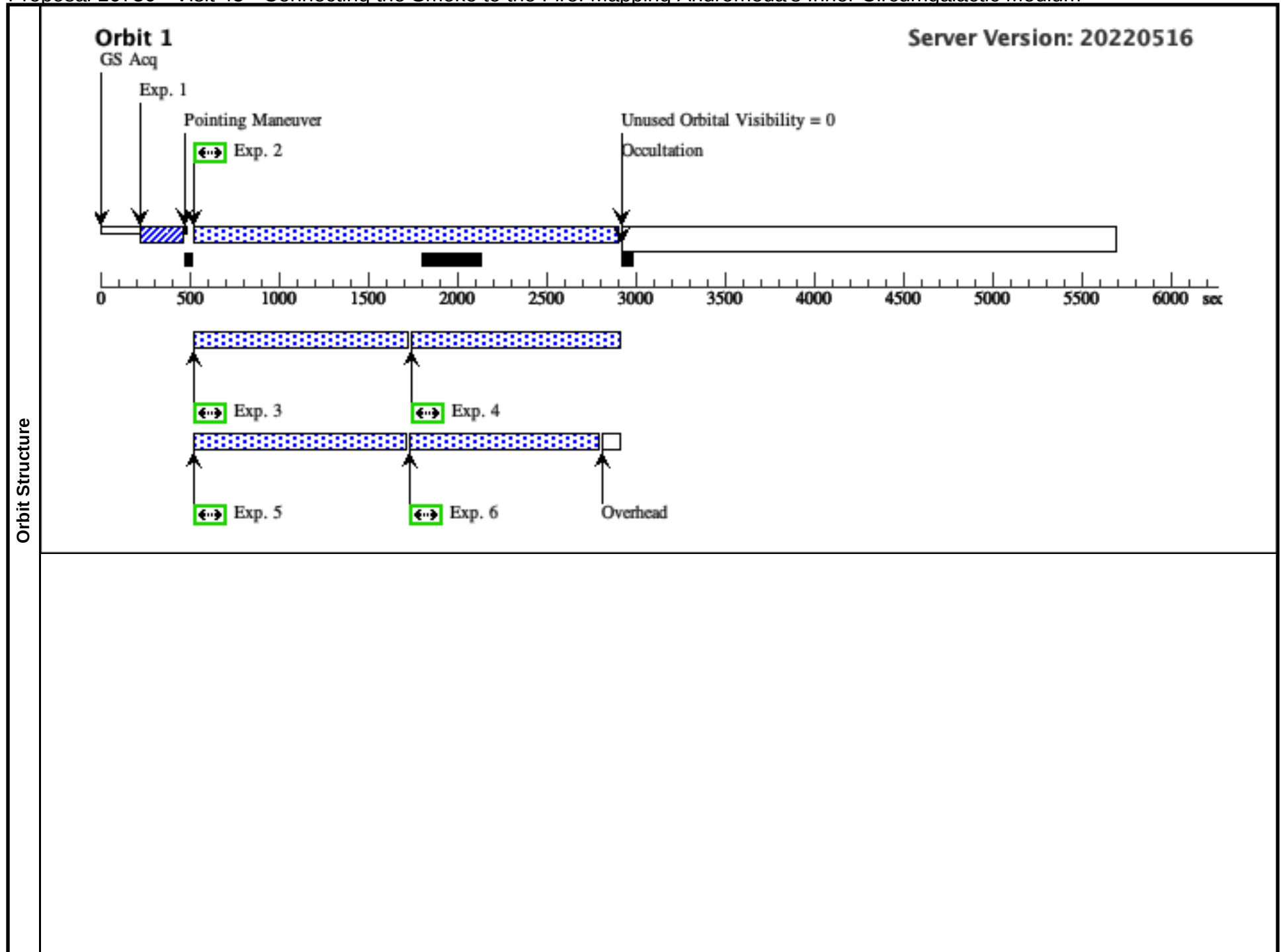


Proposal 16730 - Visit 45 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Visit	Proposal 16730, Visit 45, completed					Tue Aug 16 20:02:22 GMT 2022
	Diagnostic Status: Warning					
	Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%					
Diagnosics	(Visit 45) 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.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(9)	WISEAJ002827.05+380942.0	RA: 00 28 27.0576 (7.1127400d) Dec: +38 09 41.94 (38.16165d) Equinox: J2000		V=17.8 GALEX FUV=18.54	Reference Frame: ICRS
	Comments:					
	Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC, ABSORPTION LINE SYSTEM - GALACTIC] Extended=NO					

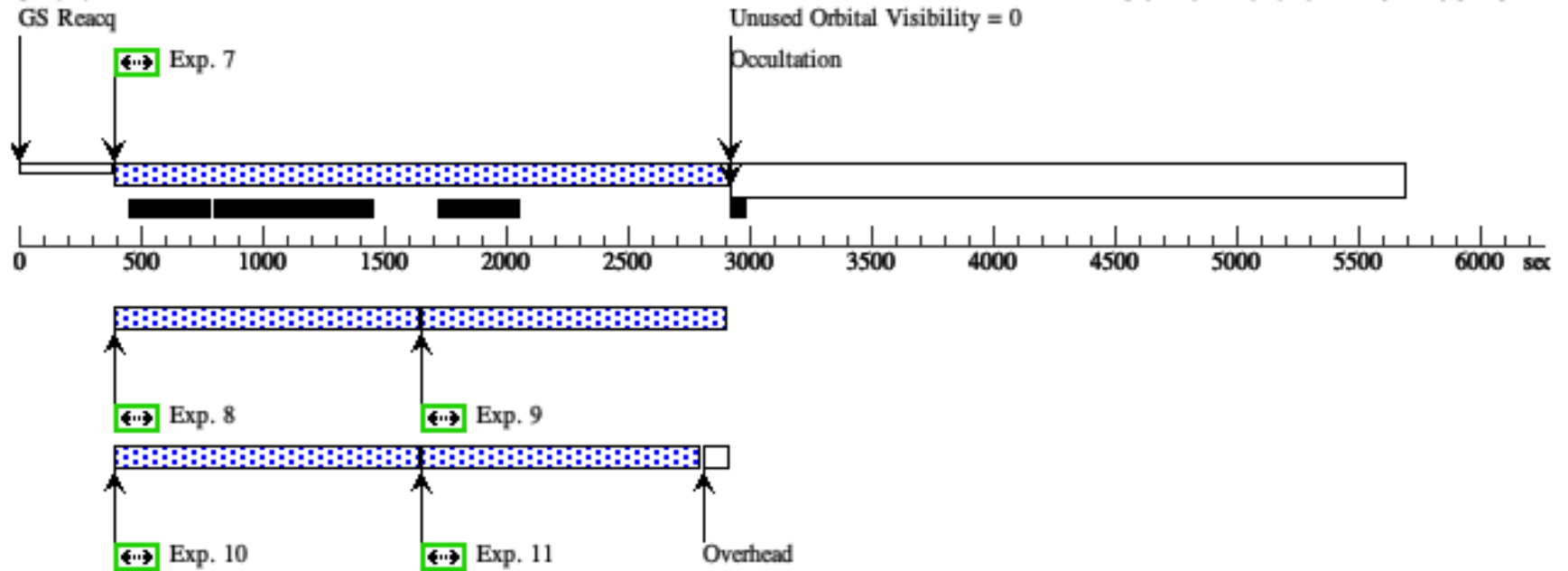
Proposal 16730 - Visit 45 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

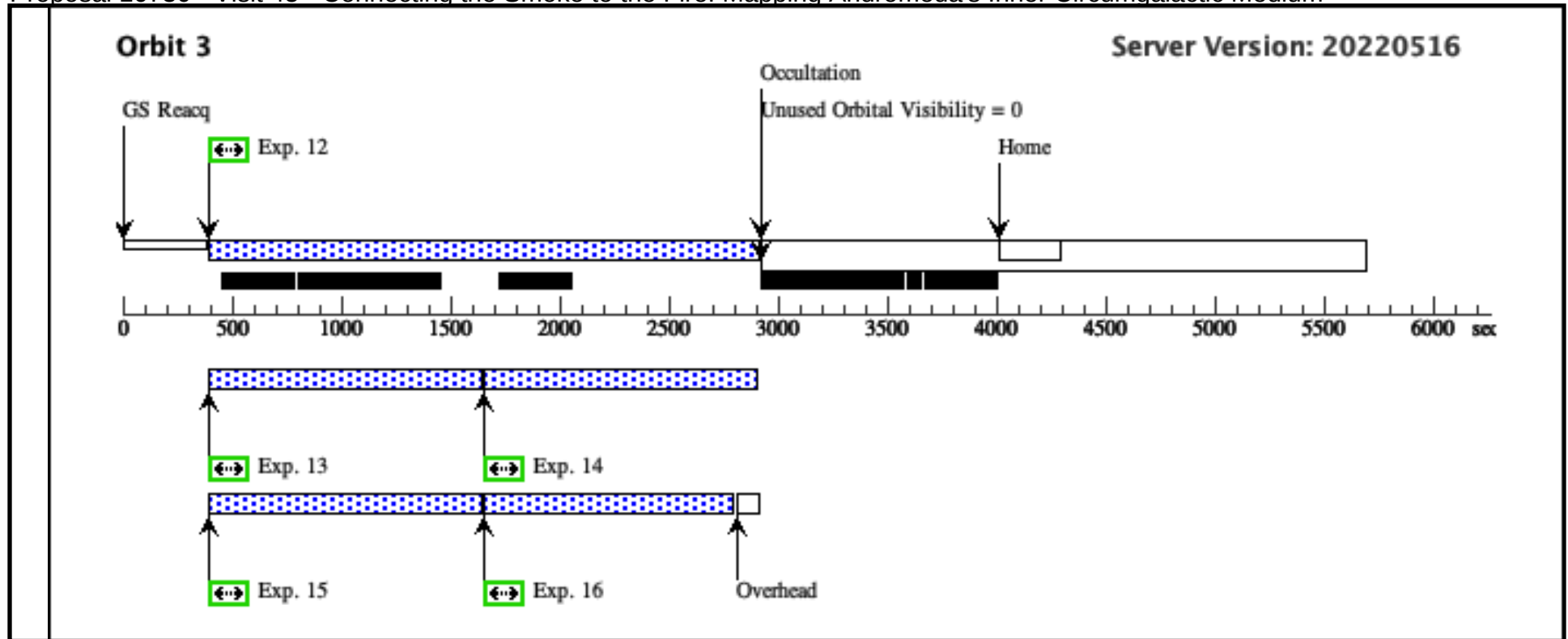
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(COS.ta.154 3348)	(9) WISEAJ002827. 05+380942.0	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				2.4 Secs (2.4 Secs)	
									[==>]	[1]
	2	(COS.sp.152 6532)	(9) WISEAJ002827. 05+380942.0	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=49 04; FP-POS=3; SEGMENT=BOTH; FLASH=YES		Prime + Parallel Gro up 2-6 in Visit 45	2400 Secs (2215 Secs)	
									[==>2215.0 Secs]	[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 2-6 in Visit 45	750 Secs (993 Secs)	
									[==>993.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Gro up 2-6 in Visit 45	750 Secs (993 Secs)	
									[==>993.0 Secs]	[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 2-6 in Visit 45	900 Secs (1044 Secs)	
									[==>1044.0 Secs]	[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Gro up 2-6 in Visit 45	900 Secs (1044 Secs)	
									[==>1044.0 Secs]	[1]
	7	(COS.sp.152 6532)	(9) WISEAJ002827. 05+380942.0	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=49 04; SEGMENT=BOTH; FLASH=YES; FP-POS=3		Prime + Parallel Gro up 7-11 in Visit 45	2400 Secs (2471 Secs)	
									[==>2471.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 7-11 in Visit 45	750 Secs (1074 Secs)	
									[==>1074.0 Secs]	[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Gro up 7-11 in Visit 45	750 Secs (1074 Secs)	
									[==>1074.0 Secs]	[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 7-11 in Visit 45	900 Secs (1116 Secs)	
									[==>1116.0 Secs]	[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Gro up 7-11 in Visit 45	900 Secs (1116 Secs)	
									[==>1116.0 Secs]	[2]
	12	(COS.sp.152 6532)	(9) WISEAJ002827. 05+380942.0	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=49 04; FP-POS=4; SEGMENT=BOTH; FLASH=YES		Prime + Parallel Gro up 12-16 in Visit 45	2400 Secs (2468 Secs)	
									[==>2468.0 Secs]	[3]
	13		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 12-16 in Visit 45	750 Secs (1074 Secs)	
									[==>1074.0 Secs]	[3]
	14		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Gro up 12-16 in Visit 45	750 Secs (1074 Secs)	
									[==>1074.0 Secs]	[3]
	15		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 12-16 in Visit 45	900 Secs (1116 Secs)	
									[==>1116.0 Secs]	[3]
	16		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Gro up 12-16 in Visit 45	900 Secs (1116 Secs)	
									[==>1116.0 Secs]	[3]



Orbit 2

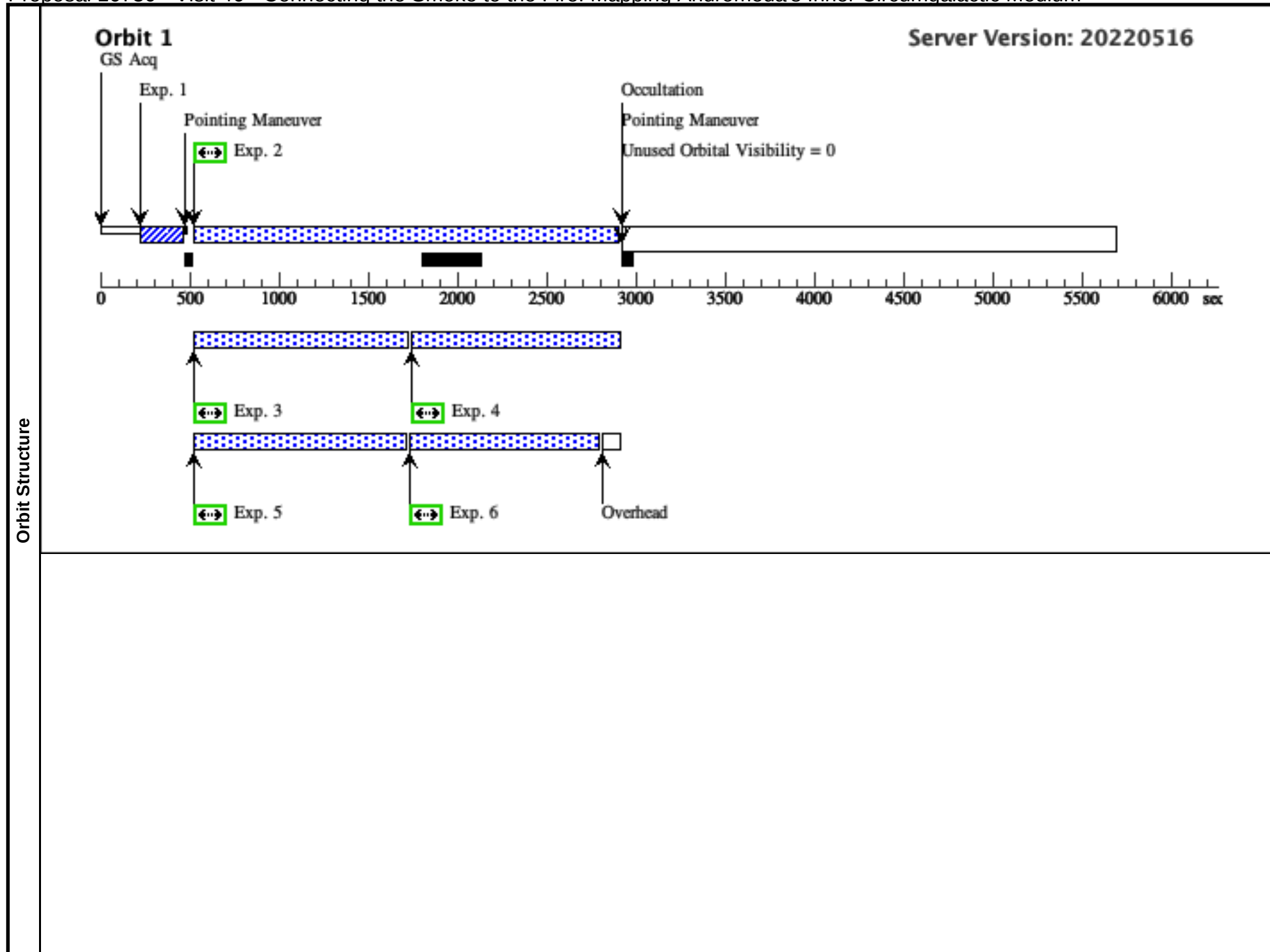
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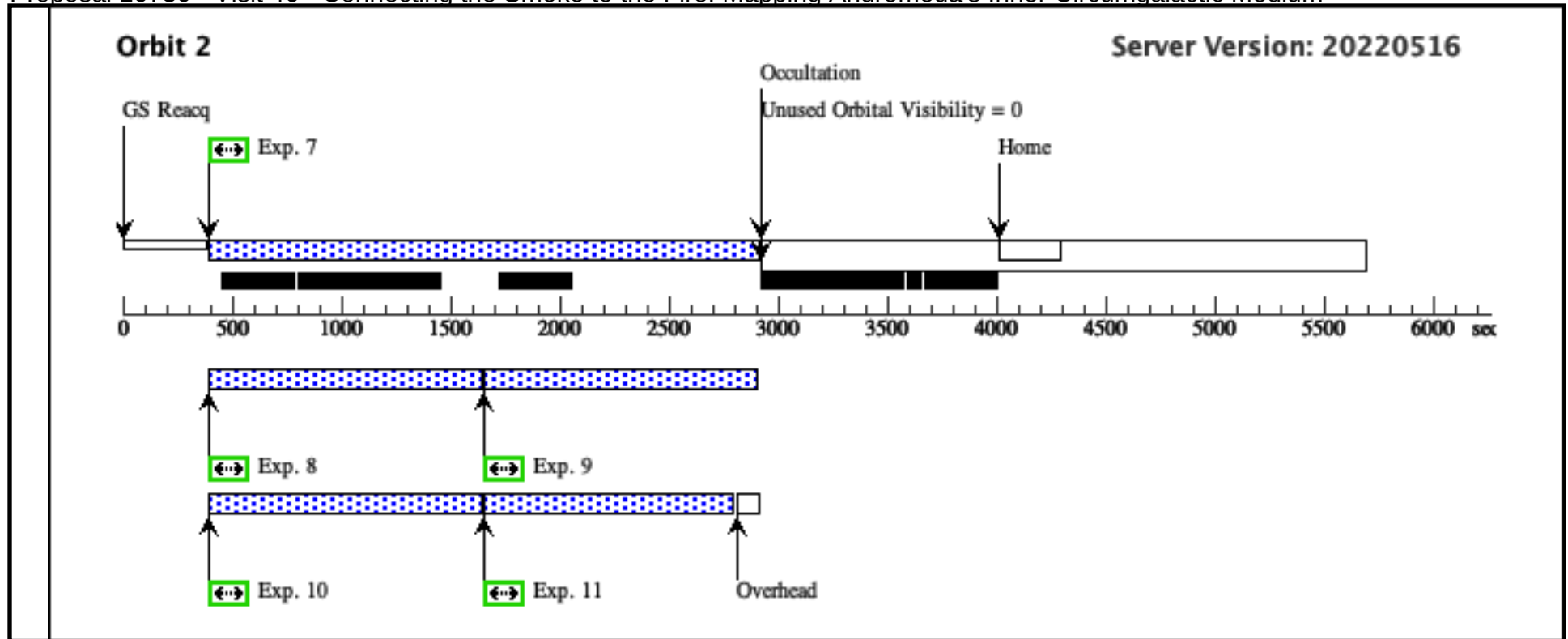




Proposal 16730 - Visit 46 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(COS.ta.154 3348)	(9) WISEAJ002827. 05+380942.0	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				2.4 Secs (2.4 Secs)		
									[==>]		[1]
	2	(COS.sp.152 6532)	(9) WISEAJ002827. 05+380942.0	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=49 04; FP-POS=4; SEGMENT=BOTH; FLASH=YES		Prime + Parallel Gro up 2-6 in Visit 46	2200 Secs (2215 Secs)		
									[==>2215.0 Secs]		[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 2-6 in Visit 46	750 Secs (993 Secs)		
									[==>993.0 Secs]		[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Gro up 2-6 in Visit 46	750 Secs (993 Secs)		
									[==>993.0 Secs]		[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 2-6 in Visit 46	900 Secs (1044 Secs)		
									[==>1044.0 Secs]		[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Gro up 2-6 in Visit 46	900 Secs (1044 Secs)		
									[==>1044.0 Secs]		[1]
	7	(COS.sp.152 6532)	(9) WISEAJ002827. 05+380942.0	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=49 04; FP-POS=4; SEGMENT=BOTH; FLASH=YES		Prime + Parallel Gro up 7-11 in Visit 46	2470 Secs (2351 Secs)		
									[==>2351.0 Secs]		[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 7-11 in Visit 46	750 Secs (1074 Secs)		
									[==>1074.0 Secs]		[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Gro up 7-11 in Visit 46	750 Secs (1074 Secs)		
									[==>1074.0 Secs]		[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 7-11 in Visit 46	900 Secs (1116 Secs)		
									[==>1116.0 Secs]		[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Gro up 7-11 in Visit 46	900 Secs (1116 Secs)		
									[==>1116.0 Secs]		[2]



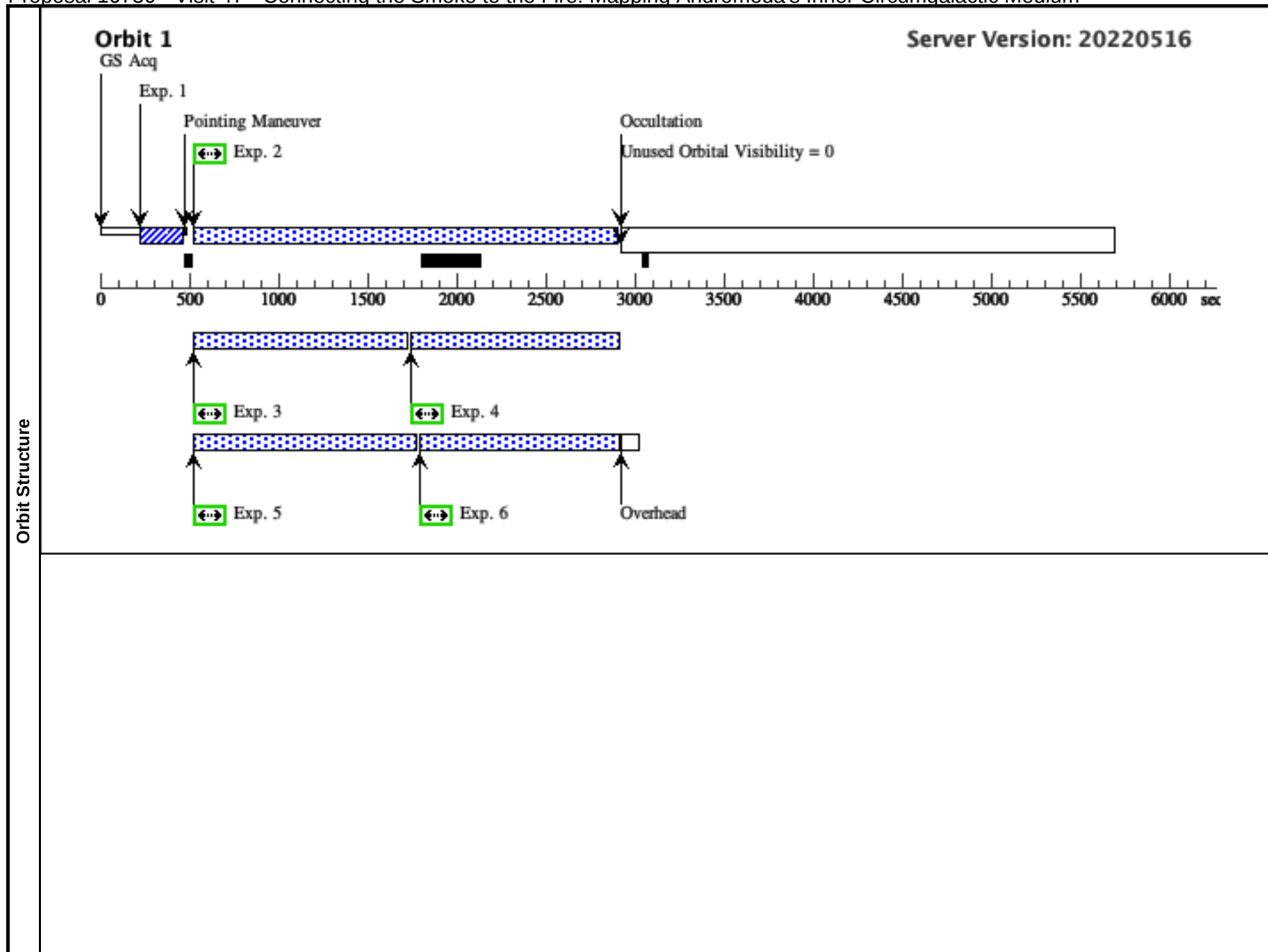


Proposal 16730 - Visit 47 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Visit	Proposal 16730, Visit 47, completed					Tue Aug 16 20:02:22 GMT 2022
	Diagnostic Status: Error					
Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV						
Special Requirements: SCHED 100%; SAME ORIENT AS 45						
Diagnostics	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 47)) Error (Form): Illegal selection: G160M.					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 47)) Error (Form): Illegal selection: PSA.					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 47)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 47)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 47)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 47)) Error (Form): YES is not a valid selection					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 47)) Error (Form): YES is not a valid selection					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 47)) Error (Form): Illegal selection: G160M.					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 47)) Error (Form): Illegal selection: PSA.					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 47)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 47)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 47)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 47)) Error (Form): YES is not a valid selection					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 47)) Error (Form): YES is not a valid selection					
	(Primary Exposure 12 (Prime + Parallel Group 12-16 in Visit 47)) Error (Form): Illegal selection: G160M.					
	(Primary Exposure 12 (Prime + Parallel Group 12-16 in Visit 47)) Error (Form): Illegal selection: PSA.					
	(Primary Exposure 12 (Prime + Parallel Group 12-16 in Visit 47)) 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).					
	(Primary Exposure 12 (Prime + Parallel Group 12-16 in Visit 47)) 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).					
	(Primary Exposure 12 (Prime + Parallel Group 12-16 in Visit 47)) 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).					
	(Primary Exposure 12 (Prime + Parallel Group 12-16 in Visit 47)) Error (Form): YES is not a valid selection					
(Primary Exposure 12 (Prime + Parallel Group 12-16 in Visit 47)) Error (Form): YES is not a valid selection						
(Visit 47) 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.						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(9)	WISEAJ002827.05+380942.0	RA: 00 28 27.0576 (7.1127400d) Dec: +38 09 41.94 (38.16165d) Equinox: J2000		V=17.8 GALEX FUV=18.54	Reference Frame: ICRS
	Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC, ABSORPTION LINE SYSTEM - GALACTIC] Extended=NO					

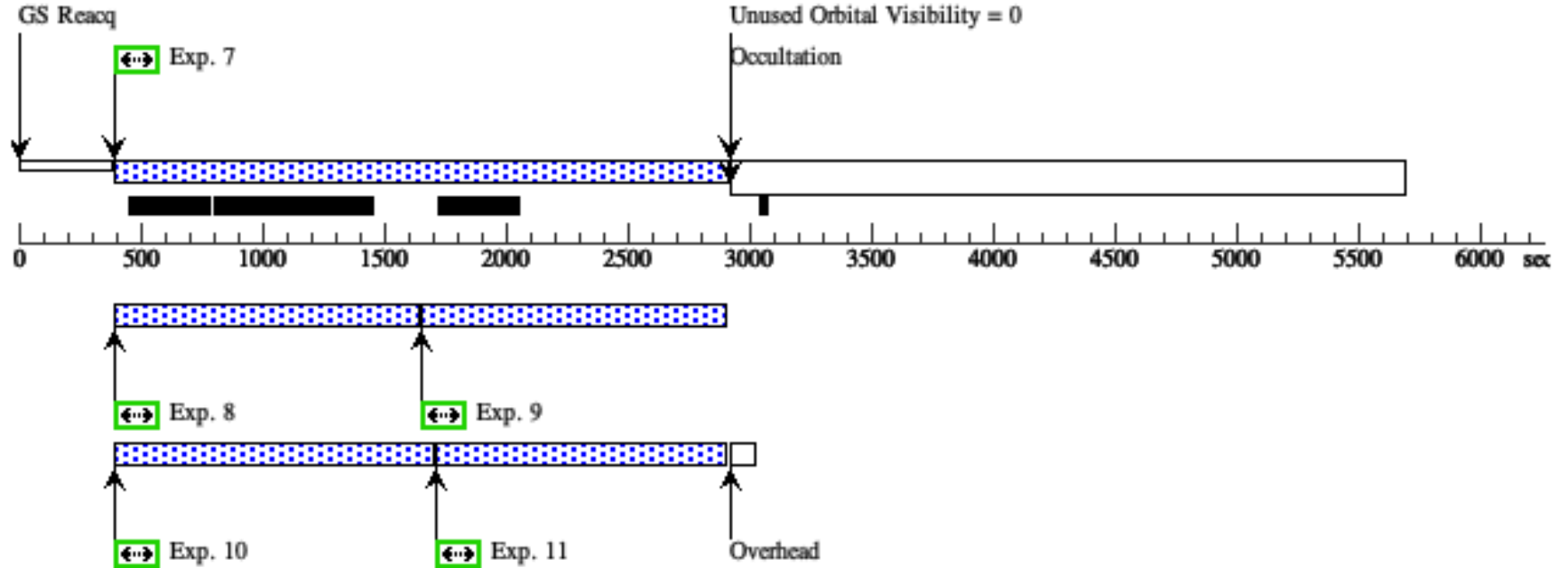
Proposal 16730 - Visit 47 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

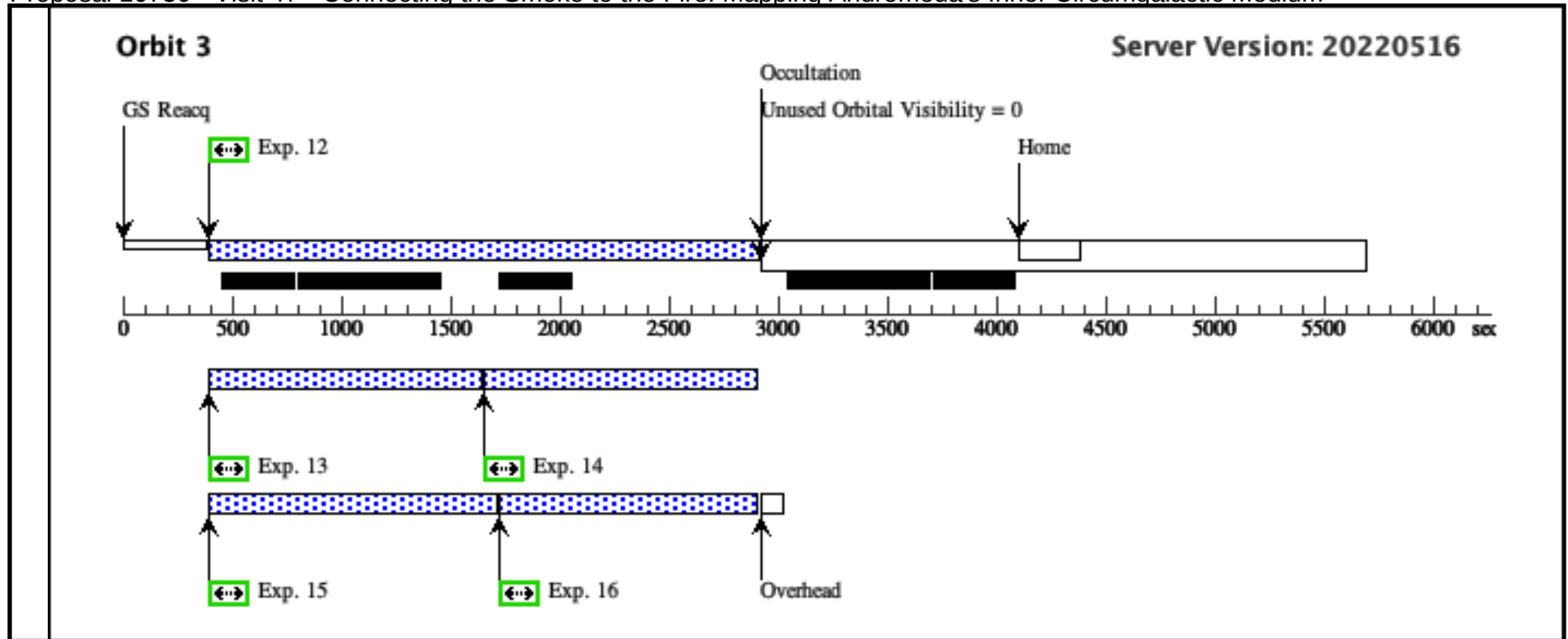
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(COS.ta.154 3348)	(9) WISEAJ002827. 05+380942.0	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				2.4 Secs (2.4 Secs) [==>]	[1]
	2	(COS.sp.152 6544)	(9) WISEAJ002827. 05+380942.0	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=16 732; SEGMENT=BOTH; FLASH=YES; FP-POS=1		Prime + Parallel Gro up 2-6 in Visit 47	784 Secs (2173 Secs) [==>2173.0 Secs]	[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 2-6 in Visit 47	750 Secs (993 Secs) [==>993.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Gro up 2-6 in Visit 47	750 Secs (993 Secs) [==>993.0 Secs]	[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 2-6 in Visit 47	900 Secs (1101.5 Secs) [==>1101.5 Secs]	[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Gro up 2-6 in Visit 47	900 Secs (1101.5 Secs) [==>1101.5 Secs]	[1]
	7	(COS.sp.152 6544)	(9) WISEAJ002827. 05+380942.0	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=16 732; SEGMENT=BOTH; FLASH=YES; FP-POS=2		Prime + Parallel Gro up 7-11 in Visit 47	2400 Secs (2468 Secs) [==>2468.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 7-11 in Visit 47	750 Secs (1074 Secs) [==>1074.0 Secs]	[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Gro up 7-11 in Visit 47	750 Secs (1074 Secs) [==>1074.0 Secs]	[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 7-11 in Visit 47	900 Secs (1174 Secs) [==>1174.0 Secs]	[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Gro up 7-11 in Visit 47	900 Secs (1174 Secs) [==>1174.0 Secs]	[2]
	12	(COS.sp.152 6544)	(9) WISEAJ002827. 05+380942.0	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=16 732; SEGMENT=BOTH; FLASH=YES; FP-POS=3		Prime + Parallel Gro up 12-16 in Visit 47	2400 Secs (2468 Secs) [==>2468.0 Secs]	[3]
	13		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 12-16 in Visit 47	750 Secs (1074 Secs) [==>1074.0 Secs]	[3]
	14		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Gro up 12-16 in Visit 47	750 Secs (1074 Secs) [==>1074.0 Secs]	[3]
	15		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 12-16 in Visit 47	900 Secs (1186 Secs) [==>1186.0 Secs]	[3]
	16		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 12-16 in Visit 47	900 Secs (1186 Secs) [==>1186.0 Secs]	[3]



Orbit 2

Server Version: 20220516



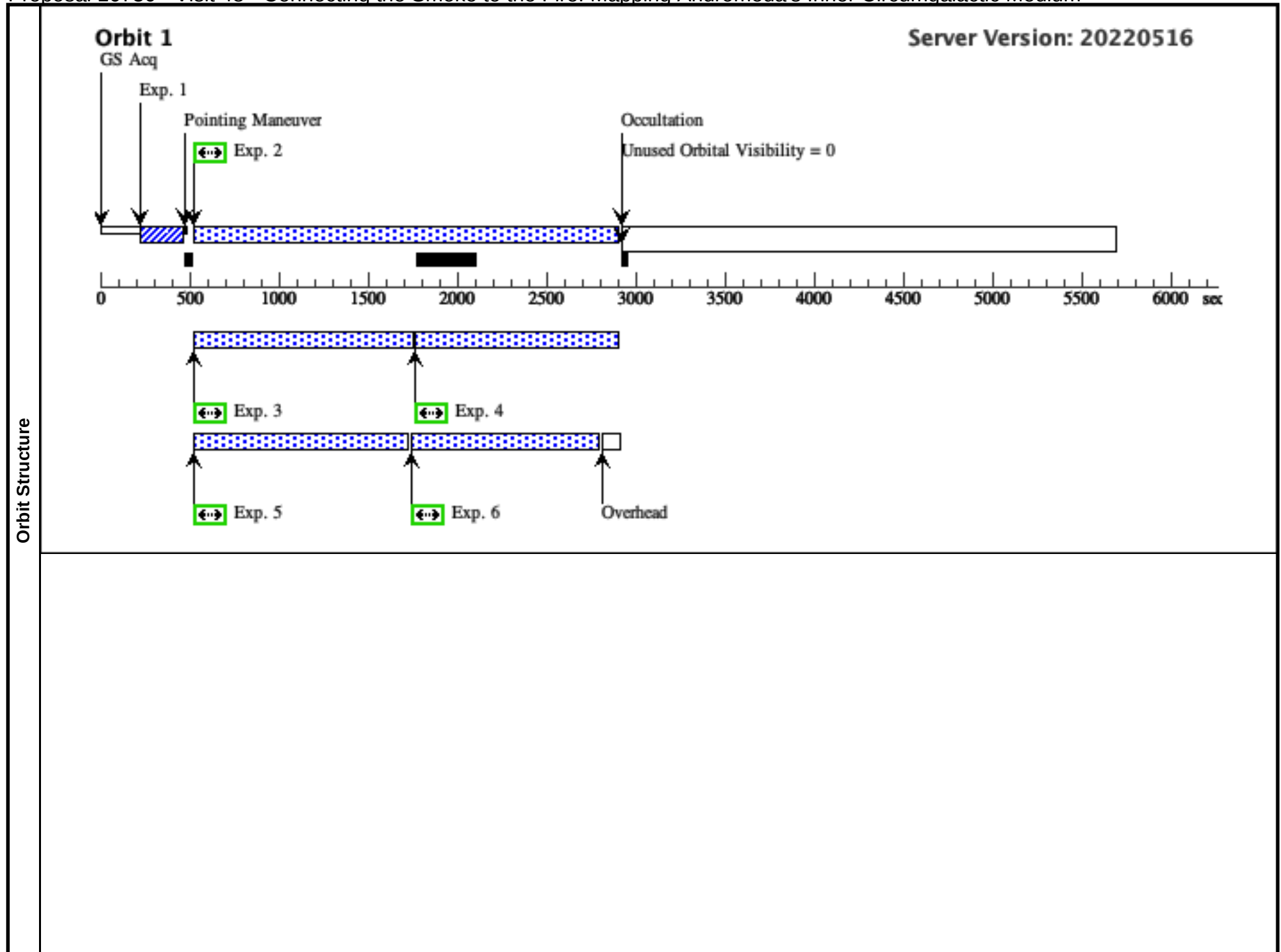


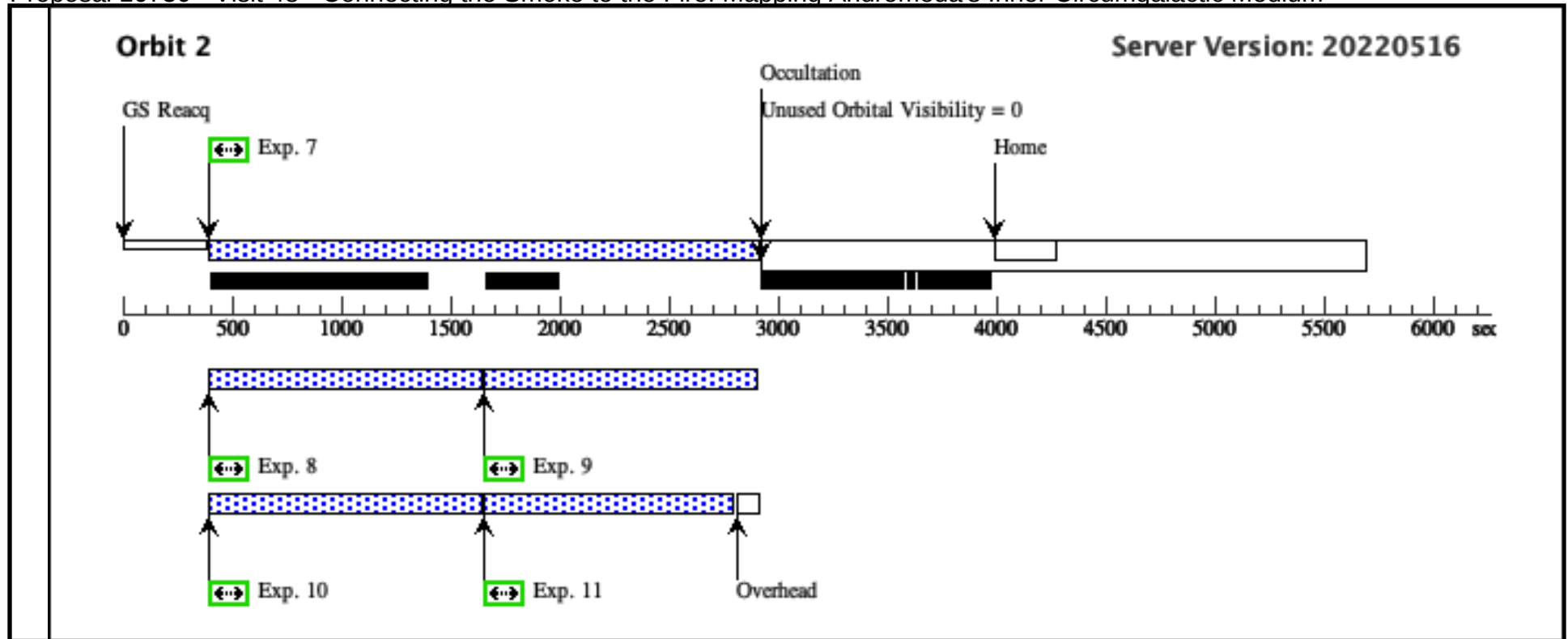
Proposal 16730 - Visit 48 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Visit	Proposal 16730, Visit 48, completed					Tue Aug 16 20:02:22 GMT 2022
	Diagnostic Status: Error					
	Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%; SAME ORIENT AS 45					
Diagnostics	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 48)) Error (Form): Illegal selection: G160M.					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 48)) Error (Form): Illegal selection: PSA.					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 48)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 48)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 48)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 48)) Error (Form): YES is not a valid selection					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 48)) Error (Form): YES is not a valid selection					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 48)) Error (Form): Illegal selection: G160M.					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 48)) Error (Form): Illegal selection: PSA.					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 48)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 48)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 48)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 48)) Error (Form): YES is not a valid selection					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 48)) Error (Form): YES is not a valid selection					
Fixed Targets	(Visit 48) 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.					
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(9)	WISEAJ002827.05+380942.0	RA: 00 28 27.0576 (7.1127400d) Dec: +38 09 41.94 (38.16165d) Equinox: J2000		V=17.8 GALEX FUV=18.54	Reference Frame: ICRS
	Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC, ABSORPTION LINE SYSTEM - GALACTIC] Extended=NO					

Proposal 16730 - Visit 48 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(COS.ta.154 3348)	(9) WISEAJ002827. 05+380942.0	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				2.4 Secs (2.4 Secs)	
									[==>]	[1]
	2	(COS.sp.152 6544)	(9) WISEAJ002827. 05+380942.0	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=16 732; SEGMENT=BOTH; FLASH=YES; FP-POS=3		Prime + Parallel Gro up 2-6 in Visit 48	2400 Secs (2173 Secs)	
									[==>2173.0 Secs]	[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 2-6 in Visit 48	750 Secs (1020 Secs)	
									[==>1020.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 2-6 in Visit 48	750 Secs (1020 Secs)	
									[==>1020.0 Secs]	[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 2-6 in Visit 48	900 Secs (1055 Secs)	
									[==>1055.0 Secs]	[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 2-6 in Visit 48	900 Secs (1055 Secs)	
									[==>1055.0 Secs]	[1]
	7	(COS.sp.152 6544)	(9) WISEAJ002827. 05+380942.0	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=16 732; SEGMENT=BOTH; FLASH=YES; FP-POS=4		Prime + Parallel Gro up 7-11 in Visit 48	2473 Secs (2468 Secs)	
									[==>2468.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 7-11 in Visit 48	750 Secs (1129 Secs)	
									[==>1129.0 Secs]	[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 7-11 in Visit 48	750 Secs (1129 Secs)	
									[==>1129.0 Secs]	[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 7-11 in Visit 48	900 Secs (1139 Secs)	
									[==>1139.0 Secs]	[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 7-11 in Visit 48	900 Secs (1139 Secs)	
									[==>1139.0 Secs]	[2]



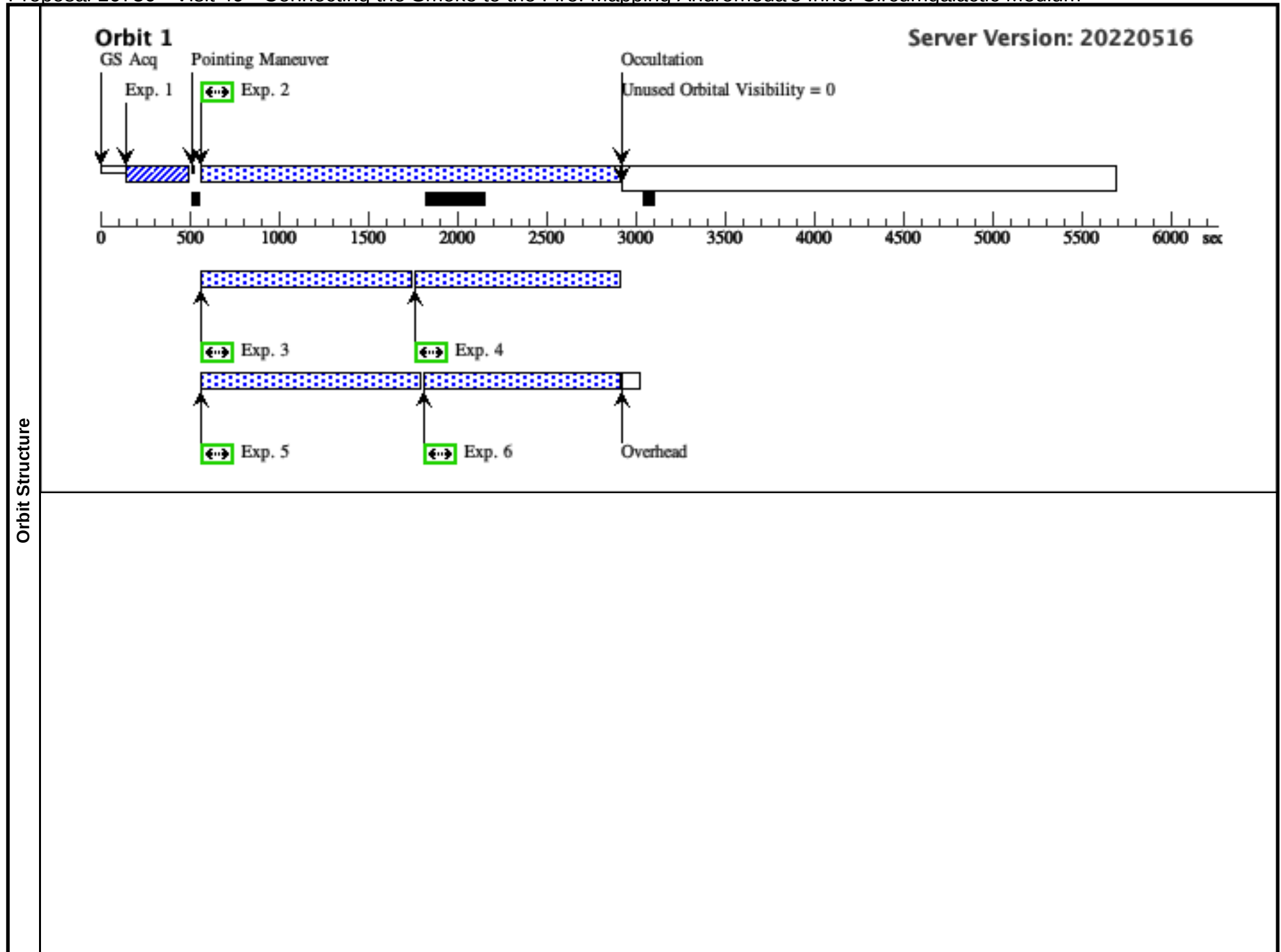


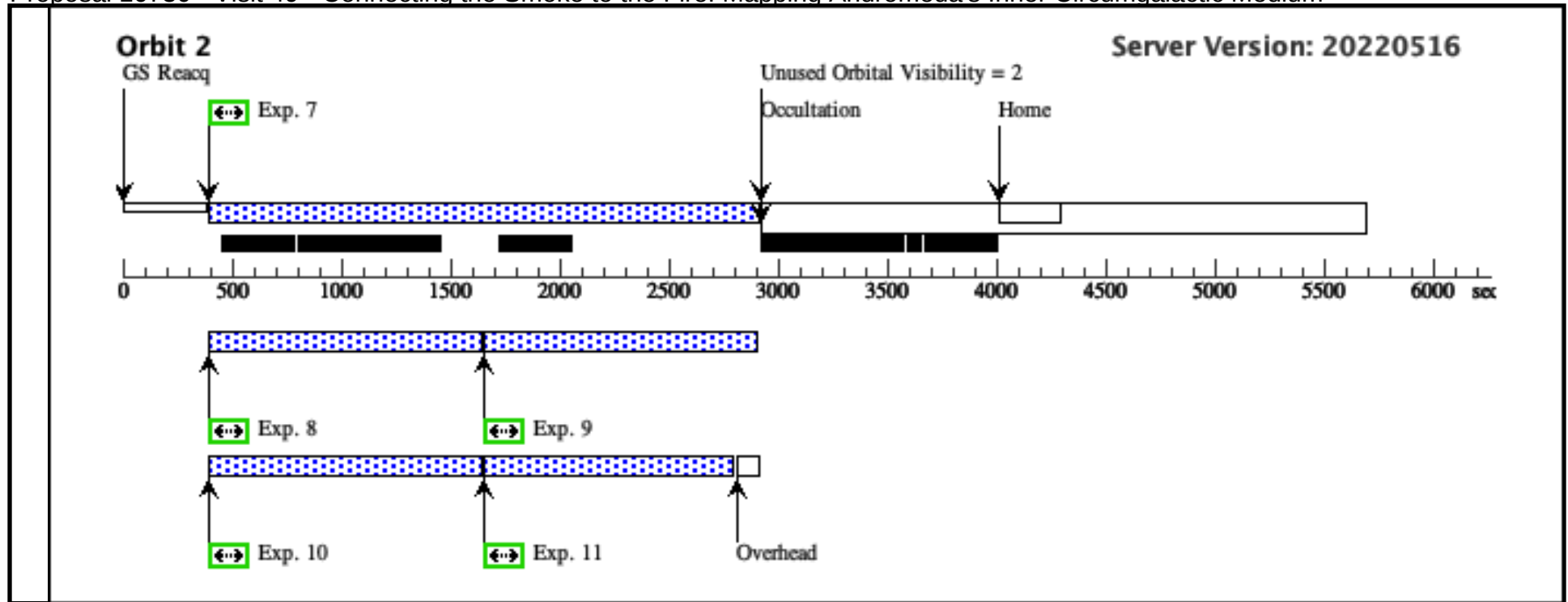
Proposal 16730 - Visit 49 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Visit	Proposal 16730, Visit 49, completed					Tue Aug 16 20:02:22 GMT 2022
	Diagnostic Status: Warning					
	Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%					
Diagnosics	(Visit 49) 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.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(10)	NPM1G+42.0011	RA: 00 19 3.8472 (4.7660300d)		V=13.6	Reference Frame: ICRS
			Dec: +42 38 9.06 (42.63585d)		GALEX FUV=18.32	
			Equinox: J2000			
	Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC, ABSORPTION LINE SYSTEM - GALACTIC] Extended=NO					

Proposal 16730 - Visit 49 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(COS.ta.154 3335)	(10) NPM1G+42.00 11	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				22.8 Secs (22.8 Secs)		
									[==>]		[1]
	2	(COS.sp.152 6533)	(10) NPM1G+42.00 11	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=47 27; FP-POS=3; SEGMENT=BOTH; FLASH=YES		Prime + Parallel Gro up 2-6 in Visit 49	2400 Secs (2177 Secs)		
									[==>2177.0 Secs]		[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 2-6 in Visit 49	750 Secs (974 Secs)		
									[==>974.0 Secs]		[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Gro up 2-6 in Visit 49	750 Secs (974 Secs)		
									[==>974.0 Secs]		[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 2-6 in Visit 49	900 Secs (1083 Secs)		
									[==>1083.0 Secs]		[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Gro up 2-6 in Visit 49	900 Secs (1083 Secs)		
									[==>1083.0 Secs]		[1]
	7	(COS.sp.152 6533)	(10) NPM1G+42.00 11	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=47 27; SEGMENT=BOTH; FLASH=YES; FP-POS=3		Prime + Parallel Gro up 7-11 in Visit 49	2400 Secs (2471 Secs)		
									[==>2471.0 Secs]		[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 7-11 in Visit 49	750 Secs (1074 Secs)		
									[==>1074.0 Secs]		[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Gro up 7-11 in Visit 49	750 Secs (1074 Secs)		
									[==>1074.0 Secs]		[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 7-11 in Visit 49	900 Secs (1116 Secs)		
									[==>1116.0 Secs]		[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Gro up 7-11 in Visit 49	900 Secs (1116 Secs)		
									[==>1116.0 Secs]		[2]



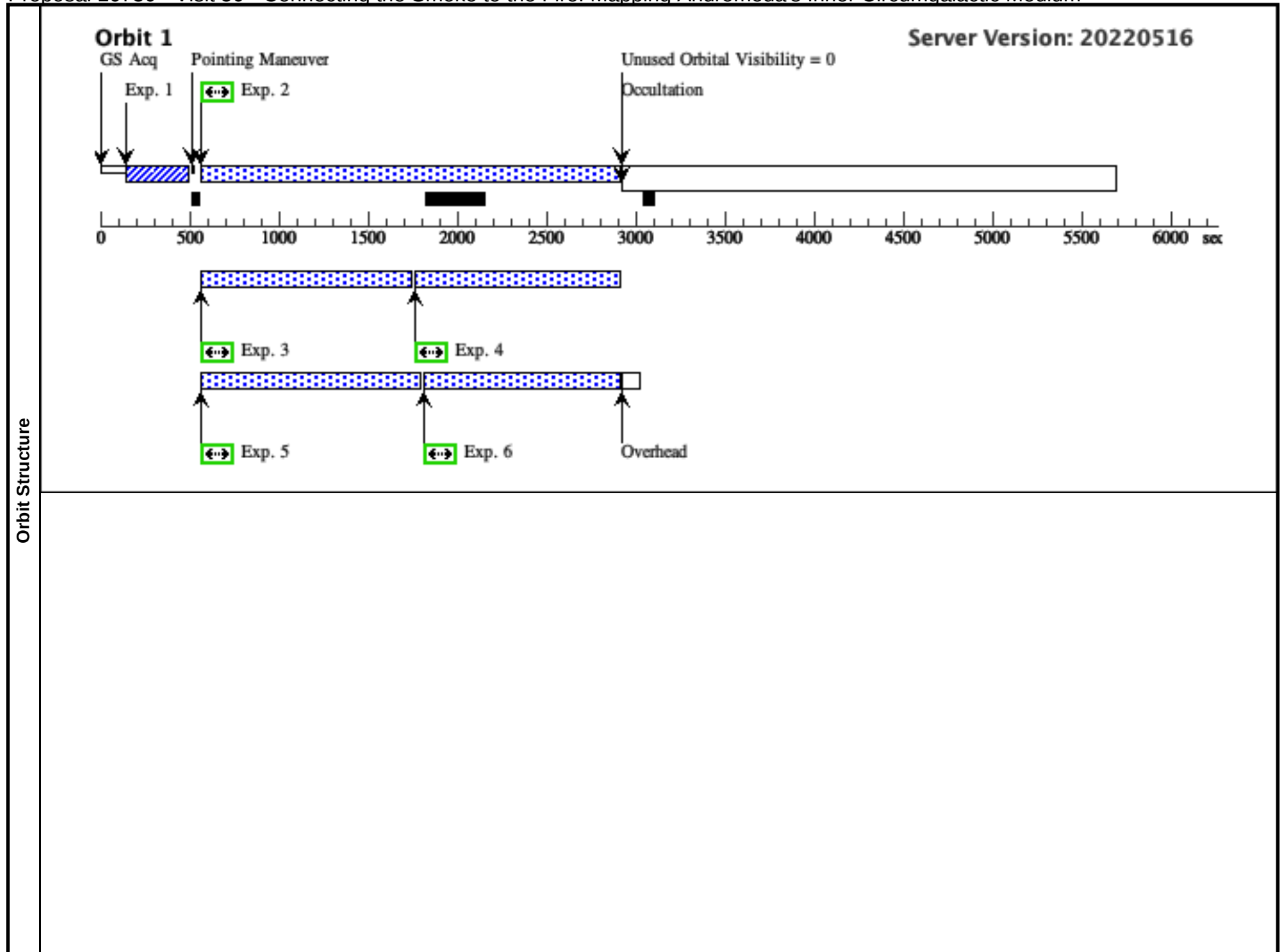


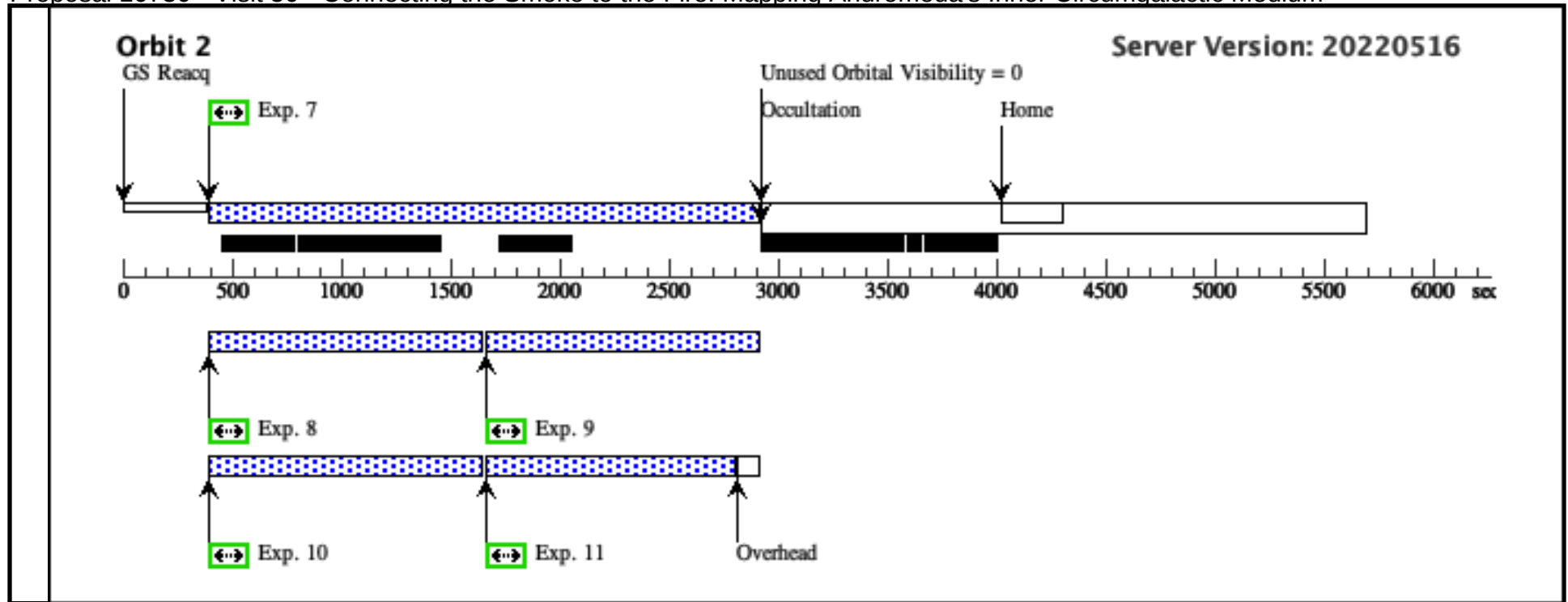
Proposal 16730 - Visit 50 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Visit	Proposal 16730, Visit 50, completed					Tue Aug 16 20:02:22 GMT 2022
	Diagnostic Status: Warning					
	Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%; SAME ORIENT AS 49					
Diagnosics	(Visit 50) 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.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(10)	NPM1G+42.0011	RA: 00 19 3.8472 (4.7660300d)		V=13.6	Reference Frame: ICRS
			Dec: +42 38 9.06 (42.63585d)		GALEX FUV=18.32	
			Equinox: J2000			
	Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC, ABSORPTION LINE SYSTEM - GALACTIC] Extended=NO					

Proposal 16730 - Visit 50 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(COS.ta.154 3335)	(10) NPM1G+42.00 11	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				22.8 Secs (22.8 Secs)		
									[==>]		[1]
	2	(COS.sp.152 6533)	(10) NPM1G+42.00 11	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=47 27; FP-POS=4; SEGMENT=BOTH; FLASH=YES		Prime + Parallel Gro up 2-6 in Visit 50	2400 Secs (2177 Secs)		
									[==>2177.0 Secs]		[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 2-6 in Visit 50	750 Secs (974 Secs)		
									[==>974.0 Secs]		[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Gro up 2-6 in Visit 50	750 Secs (974 Secs)		
									[==>974.0 Secs]		[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 2-6 in Visit 50	900 Secs (1083 Secs)		
									[==>1083.0 Secs]		[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Gro up 2-6 in Visit 50	900 Secs (1083 Secs)		
									[==>1083.0 Secs]		[1]
	7	(COS.sp.152 6533)	(10) NPM1G+42.00 11	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=47 27; FP-POS=4; SEGMENT=BOTH; FLASH=YES		Prime + Parallel Gro up 7-11 in Visit 50	2473 Secs (2473 Secs)		
									[==>]		[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 7-11 in Visit 50	750 Secs (1075 Secs)		
									[==>1075.0 Secs]		[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Gro up 7-11 in Visit 50	750 Secs (1075 Secs)		
									[==>1075.0 Secs]		[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 7-11 in Visit 50	900 Secs (1117 Secs)		
									[==>1117.0 Secs]		[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Gro up 7-11 in Visit 50	900 Secs (1117 Secs)		
									[==>1117.0 Secs]		[2]



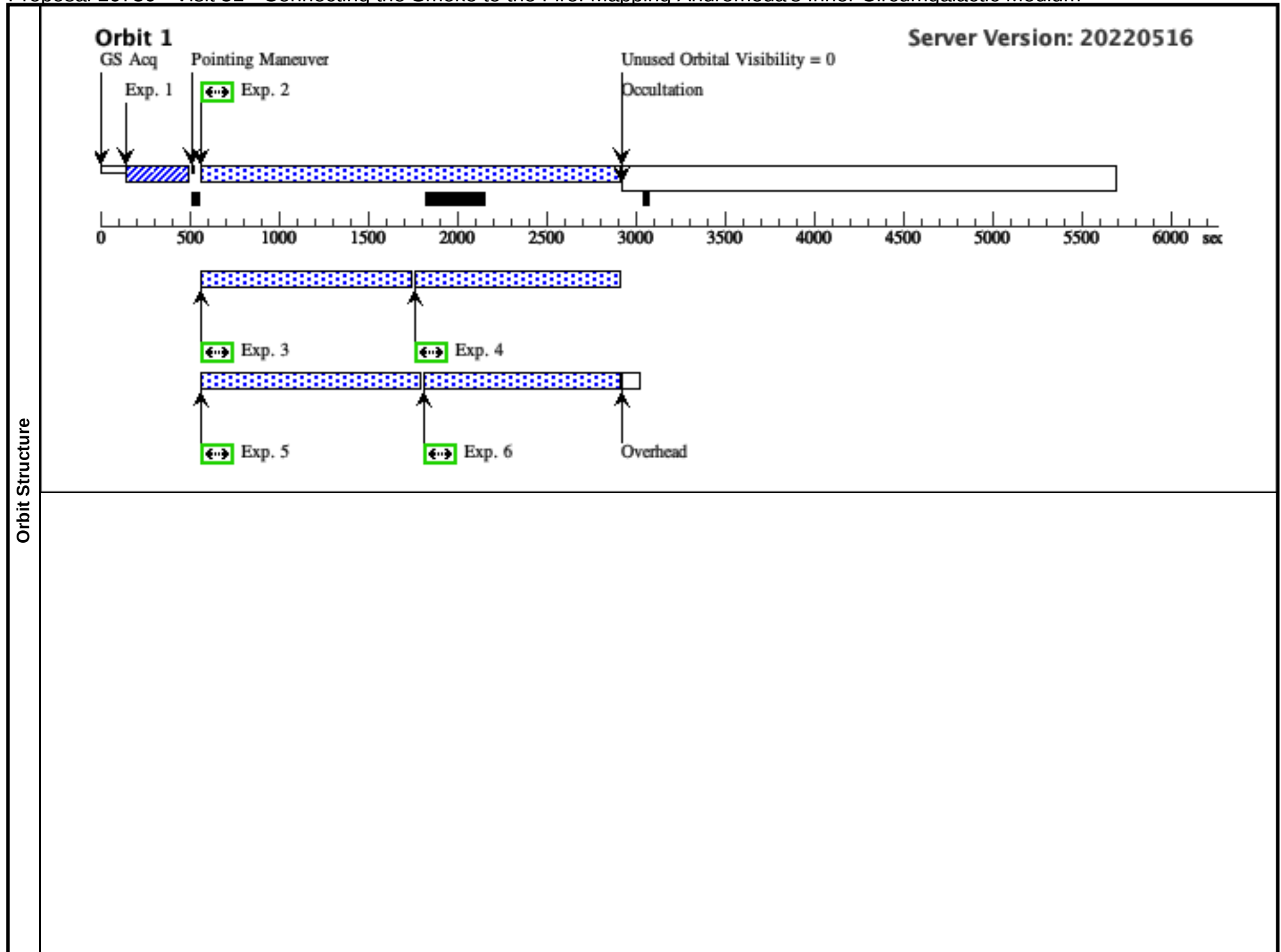


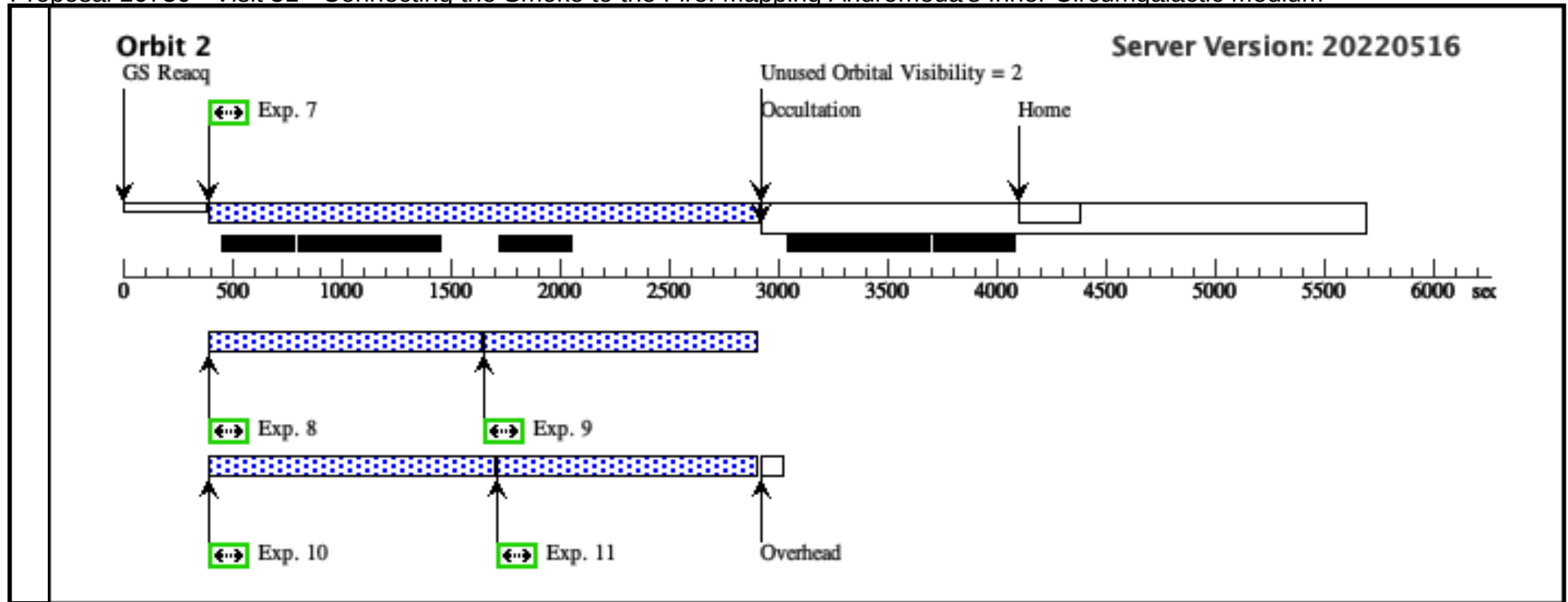
Proposal 16730 - Visit 51 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Visit	Proposal 16730, Visit 51, completed Diagnostic Status: Error Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV Special Requirements: SCHED 100%; SAME ORIENT AS 49 Tue Aug 16 20:02:22 GMT 2022																						
Diagnostics	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 51)) Error (Form): Illegal selection: G160M. (Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 51)) Error (Form): Illegal selection: PSA. (Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 51)) 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). (Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 51)) 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). (Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 51)) 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). (Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 51)) Error (Form): YES is not a valid selection (Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 51)) Error (Form): YES is not a valid selection (Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 51)) Error (Form): Illegal selection: G160M. (Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 51)) Error (Form): Illegal selection: PSA. (Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 51)) 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). (Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 51)) 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). (Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 51)) 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). (Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 51)) Error (Form): YES is not a valid selection (Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 51)) Error (Form): YES is not a valid selection (Visit 51) 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.																						
Fixed Targets	<table> <tr> <th>#</th><th>Name</th><th>Target Coordinates</th><th>Targ. Coord. Corrections</th><th>Fluxes</th><th>Miscellaneous</th></tr> <tr> <td>(10)</td><td>NPM1G+42.0011</td><td>RA: 00 19 3.8472 (4.7660300d) Dec: +42 38 9.06 (42.63585d) Equinox: J2000</td><td></td><td>V=13.6 GALEX FUV=18.32</td><td>Reference Frame: ICRS</td></tr> <tr> <td colspan="6"> Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC, ABSORPTION LINE SYSTEM - GALACTIC] Extended=NO </td></tr> </table>					#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(10)	NPM1G+42.0011	RA: 00 19 3.8472 (4.7660300d) Dec: +42 38 9.06 (42.63585d) Equinox: J2000		V=13.6 GALEX FUV=18.32	Reference Frame: ICRS	Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC, ABSORPTION LINE SYSTEM - GALACTIC] Extended=NO					
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																		
(10)	NPM1G+42.0011	RA: 00 19 3.8472 (4.7660300d) Dec: +42 38 9.06 (42.63585d) Equinox: J2000		V=13.6 GALEX FUV=18.32	Reference Frame: ICRS																		
Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC, ABSORPTION LINE SYSTEM - GALACTIC] Extended=NO																							

Proposal 16730 - Visit 51 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(COS.ta.154 3335)	(10) NPM1G+42.00 11	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				22.8 Secs (22.8 Secs)		
									[==>]		[1]
	2	(COS.sp.152 6543)	(10) NPM1G+42.00 11	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=15 744; SEGMENT=BOTH; FLASH=YES; FP-POS=1		Prime + Parallel Gro up 2-6 in Visit 51	784 Secs (2135 Secs)		
									[==>2135.0 Secs]		[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 2-6 in Visit 51	750 Secs (974 Secs)		
									[==>974.0 Secs]		[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Gro up 2-6 in Visit 51	750 Secs (974 Secs)		
									[==>974.0 Secs]		[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 2-6 in Visit 51	900 Secs (1082.5 Secs)		
									[==>1082.5 Secs]		[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Gro up 2-6 in Visit 51	900 Secs (1082.5 Secs)		
									[==>1082.5 Secs]		[1]
	7	(COS.sp.152 6543)	(10) NPM1G+42.00 11	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=15 744; SEGMENT=BOTH; FLASH=YES; FP-POS=2		Prime + Parallel Gro up 7-11 in Visit 51	2400 Secs (2468 Secs)		
									[==>2468.0 Secs]		[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 7-11 in Visit 51	750 Secs (1074 Secs)		
									[==>1074.0 Secs]		[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Gro up 7-11 in Visit 51	750 Secs (1074 Secs)		
									[==>1074.0 Secs]		[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 7-11 in Visit 51	900 Secs (1174 Secs)		
									[==>1174.0 Secs]		[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Gro up 7-11 in Visit 51	900 Secs (1174 Secs)		
									[==>1174.0 Secs]		[2]



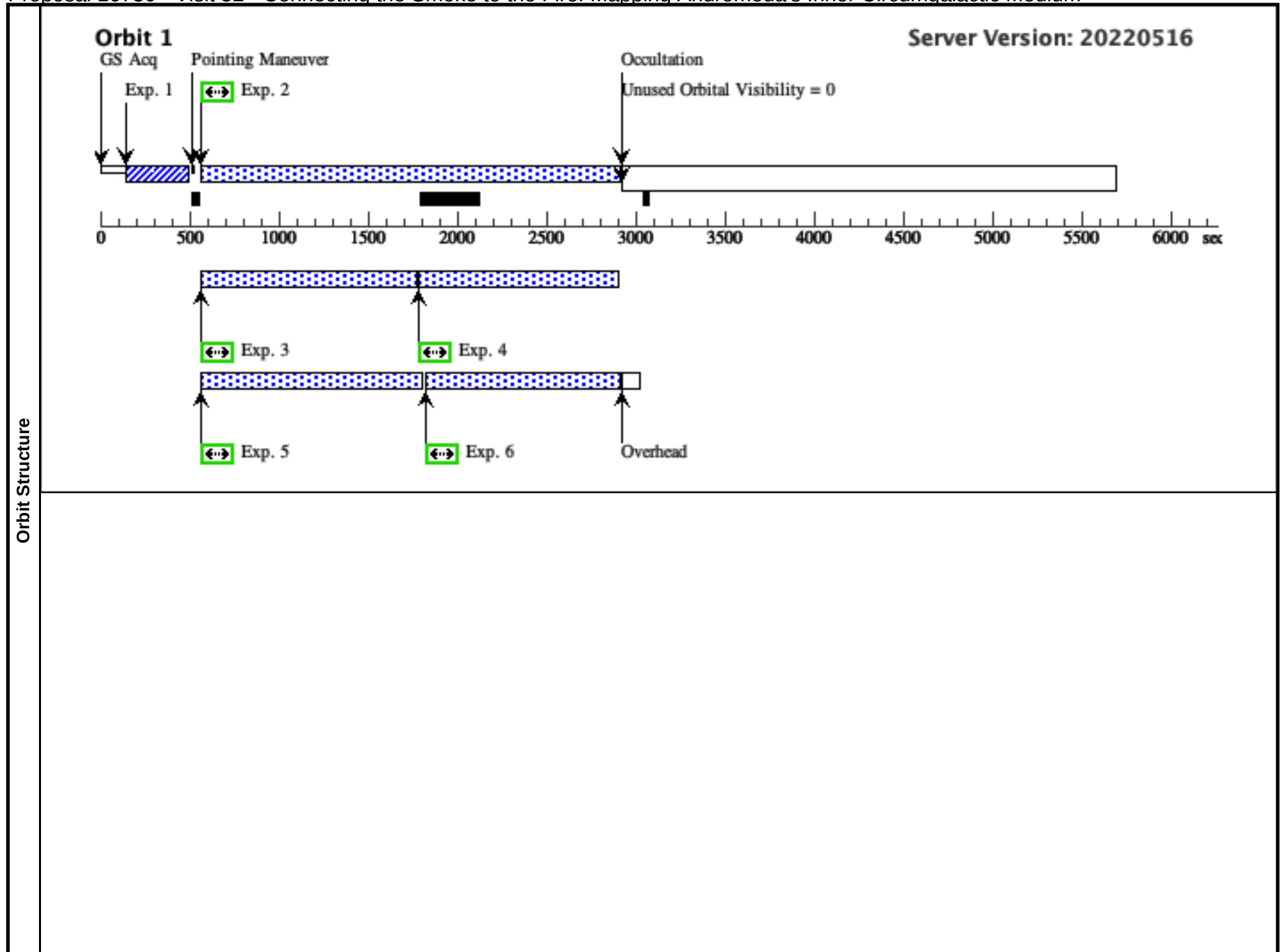


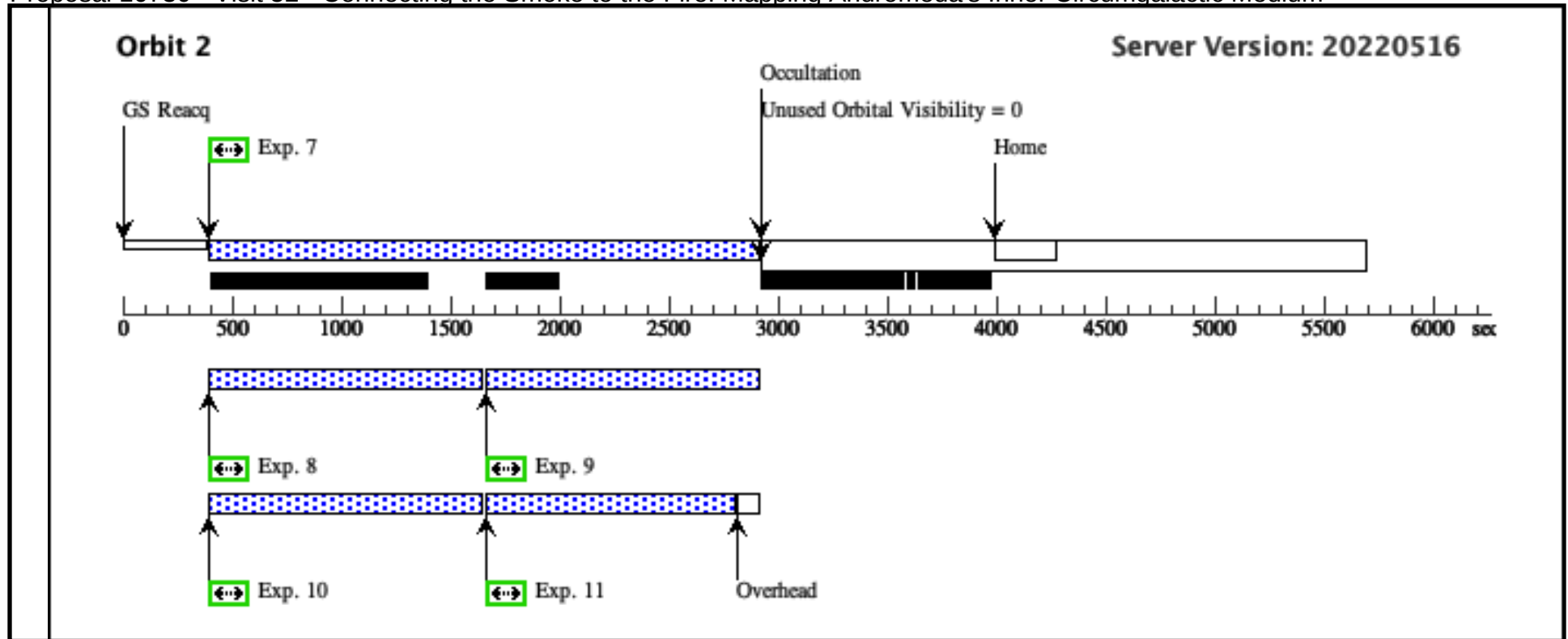
Proposal 16730 - Visit 52 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Visit	Proposal 16730, Visit 52, completed					Tue Aug 16 20:02:22 GMT 2022
	Diagnostic Status: Error					
	Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%; SAME ORIENT AS 49					
Diagnostics	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 52)) Error (Form): Illegal selection: G160M.					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 52)) Error (Form): Illegal selection: PSA.					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 52)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 52)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 52)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 52)) Error (Form): YES is not a valid selection					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 52)) Error (Form): YES is not a valid selection					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 52)) Error (Form): Illegal selection: G160M.					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 52)) Error (Form): Illegal selection: PSA.					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 52)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 52)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 52)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 52)) Error (Form): YES is not a valid selection					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 52)) Error (Form): YES is not a valid selection					
	Fixed Targets	(Visit 52) 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.				
#		Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(10)	NPM1G+42.0011	RA: 00 19 3.8472 (4.7660300d) Dec: +42 38 9.06 (42.63585d) Equinox: J2000		V=13.6 GALEX FUV=18.32	Reference Frame: ICRS
	Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC, ABSORPTION LINE SYSTEM - GALACTIC] Extended=NO					

Proposal 16730 - Visit 52 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(COS.ta.154 3335)	(10) NPM1G+42.00 11	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				22.8 Secs (22.8 Secs)		
									[==>]		[1]
	2	(COS.sp.152 6543)	(10) NPM1G+42.00 11	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=15 744; SEGMENT=BOTH; FLASH=YES; FP-POS=3		Prime + Parallel Gro up 2-6 in Visit 52	2400 Secs (2135 Secs)		
									[==>2135.0 Secs]		[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 2-6 in Visit 52	750 Secs (1001 Secs)		
									[==>1001.0 Secs]		[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 2-6 in Visit 52	750 Secs (1001 Secs)		
									[==>1001.0 Secs]		[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 2-6 in Visit 52	900 Secs (1094 Secs)		
									[==>1094.0 Secs]		[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 2-6 in Visit 52	900 Secs (1094 Secs)		
									[==>1094.0 Secs]		[1]
	7	(COS.sp.152 6543)	(10) NPM1G+42.00 11	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=15 744; SEGMENT=BOTH; FLASH=YES; FP-POS=4		Prime + Parallel Gro up 7-11 in Visit 52	2400 Secs (2470 Secs)		
									[==>2470.0 Secs]		[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 7-11 in Visit 52	750 Secs (1130 Secs)		
									[==>1130.0 Secs]		[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 7-11 in Visit 52	750 Secs (1130 Secs)		
									[==>1130.0 Secs]		[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 7-11 in Visit 52	900 Secs (1140 Secs)		
									[==>1140.0 Secs]		[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 7-11 in Visit 52	900 Secs (1140 Secs)		
									[==>1140.0 Secs]		[2]



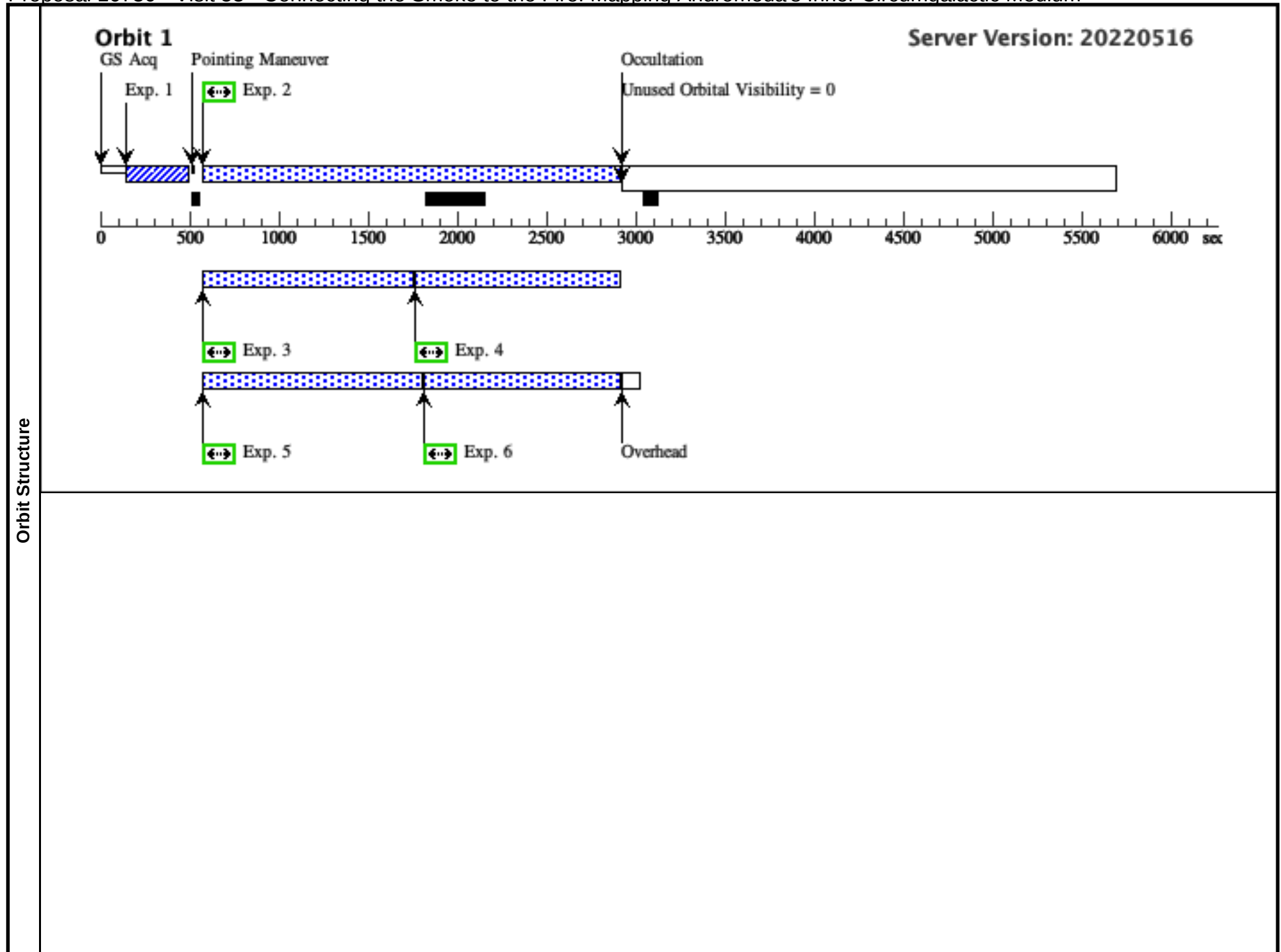


Proposal 16730 - Visit 53 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Visit	Proposal 16730, Visit 53, failed					Tue Aug 16 20:02:22 GMT 2022
	Diagnostic Status: Warning					
	Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%					
Diagnosics	(Visit 53) 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.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(11)	LAMOSTJ005846.82+365514.2	RA: 00 58 46.8216 (14.6950900d) Dec: +36 55 14.30 (36.92064d) Equinox: J2000		V=17.6 GALEX FUV=18.20	Reference Frame: ICRS
	Comments:					
	Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC, ABSORPTION LINE SYSTEM - GALACTIC] Extended=NO					

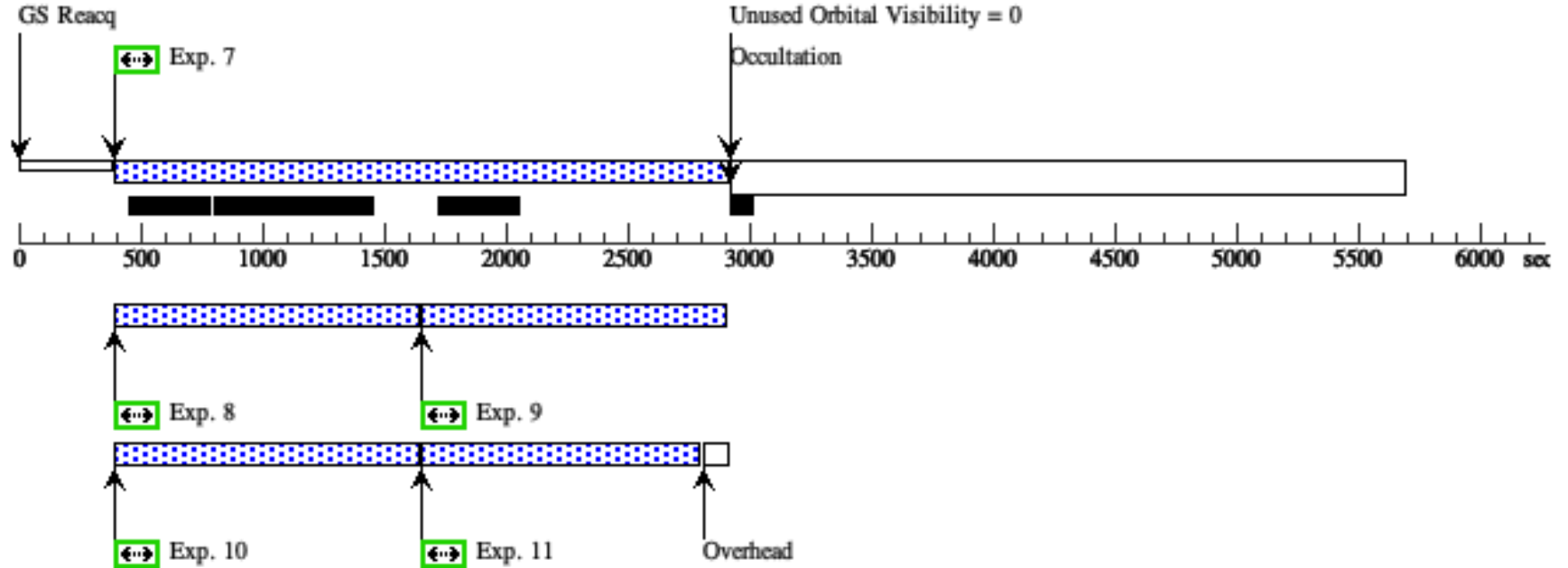
Proposal 16730 - Visit 53 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

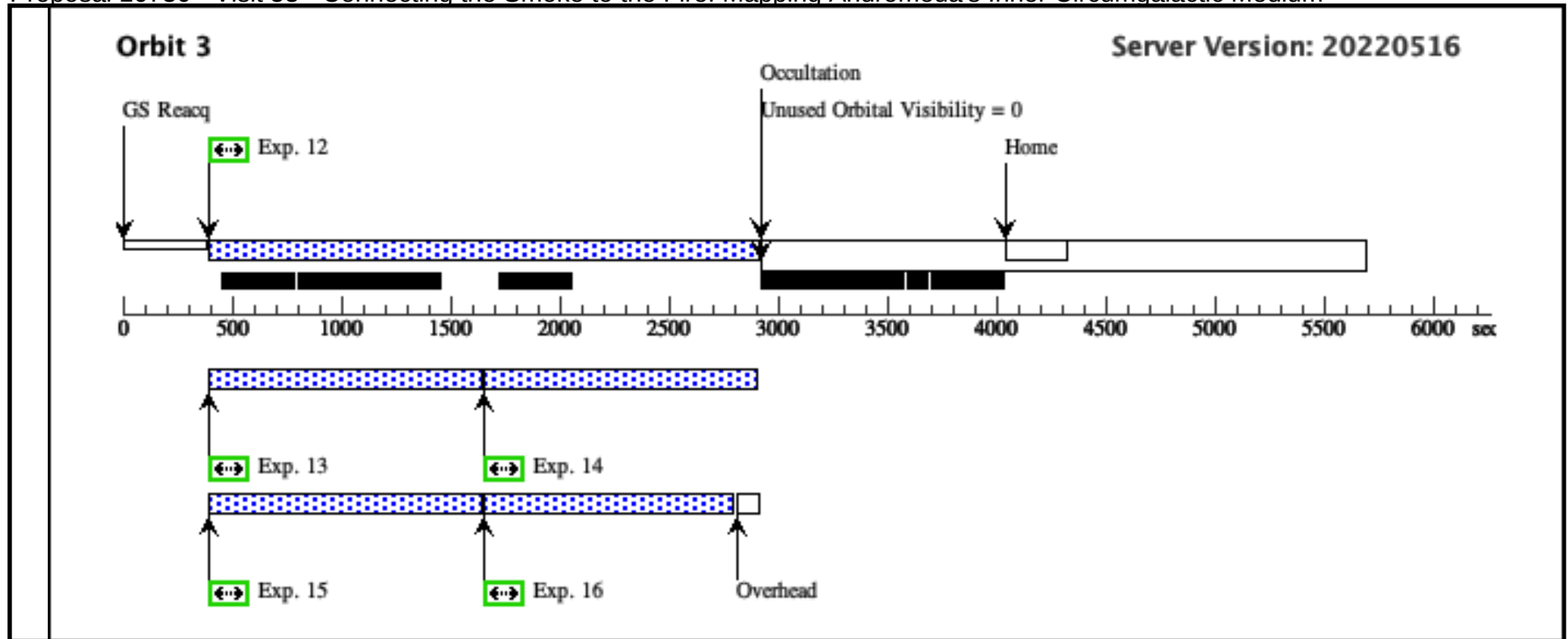
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(COS.ta.153 8187)	(11) LAMOSTJ0058 46.82+365514.2	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				23.3 Secs (23.3 Secs)		
									[==>]		[1]
	2	(COS.sp.152 6533)	(11) LAMOSTJ0058 46.82+365514.2	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=28 00; FP-POS=3; SEGMENT=BOTH; FLASH=YES		Prime + Parallel Gro up 2-6 in Visit 53	2400 Secs (2173 Secs)		
									[==>2173.0 Secs]		[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 2-6 in Visit 53	750 Secs (972 Secs)		
									[==>972.0 Secs]		[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Gro up 2-6 in Visit 53	750 Secs (972 Secs)		
									[==>972.0 Secs]		[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 2-6 in Visit 53	900 Secs (1081 Secs)		
									[==>1081.0 Secs]		[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Gro up 2-6 in Visit 53	900 Secs (1081 Secs)		
									[==>1081.0 Secs]		[1]
	7	(COS.sp.152 6533)	(11) LAMOSTJ0058 46.82+365514.2	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=28 00; SEGMENT=BOTH; FLASH=YES; FP-POS=3		Prime + Parallel Gro up 7-11 in Visit 53	2400 Secs (2471 Secs)		
									[==>2471.0 Secs]		[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 7-11 in Visit 53	750 Secs (1074 Secs)		
									[==>1074.0 Secs]		[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Gro up 7-11 in Visit 53	750 Secs (1074 Secs)		
									[==>1074.0 Secs]		[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 7-11 in Visit 53	900 Secs (1116 Secs)		
									[==>1116.0 Secs]		[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Gro up 7-11 in Visit 53	900 Secs (1116 Secs)		
									[==>1116.0 Secs]		[2]
	12	(COS.sp.152 6533)	(11) LAMOSTJ0058 46.82+365514.2	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=28 00; FP-POS=4; SEGMENT=BOTH; FLASH=YES		Prime + Parallel Gro up 12-16 in Visit 53	2400 Secs (2468 Secs)		
									[==>2468.0 Secs]		[3]
	13		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 12-16 in Visit 53	750 Secs (1074 Secs)		
									[==>1074.0 Secs]		[3]
	14		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Gro up 12-16 in Visit 53	750 Secs (1074 Secs)		
									[==>1074.0 Secs]		[3]
	15		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 12-16 in Visit 53	900 Secs (1116 Secs)		
									[==>1116.0 Secs]		[3]
	16		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Gro up 12-16 in Visit 53	900 Secs (1116 Secs)		
									[==>1116.0 Secs]		[3]



Orbit 2

Server Version: 20220516



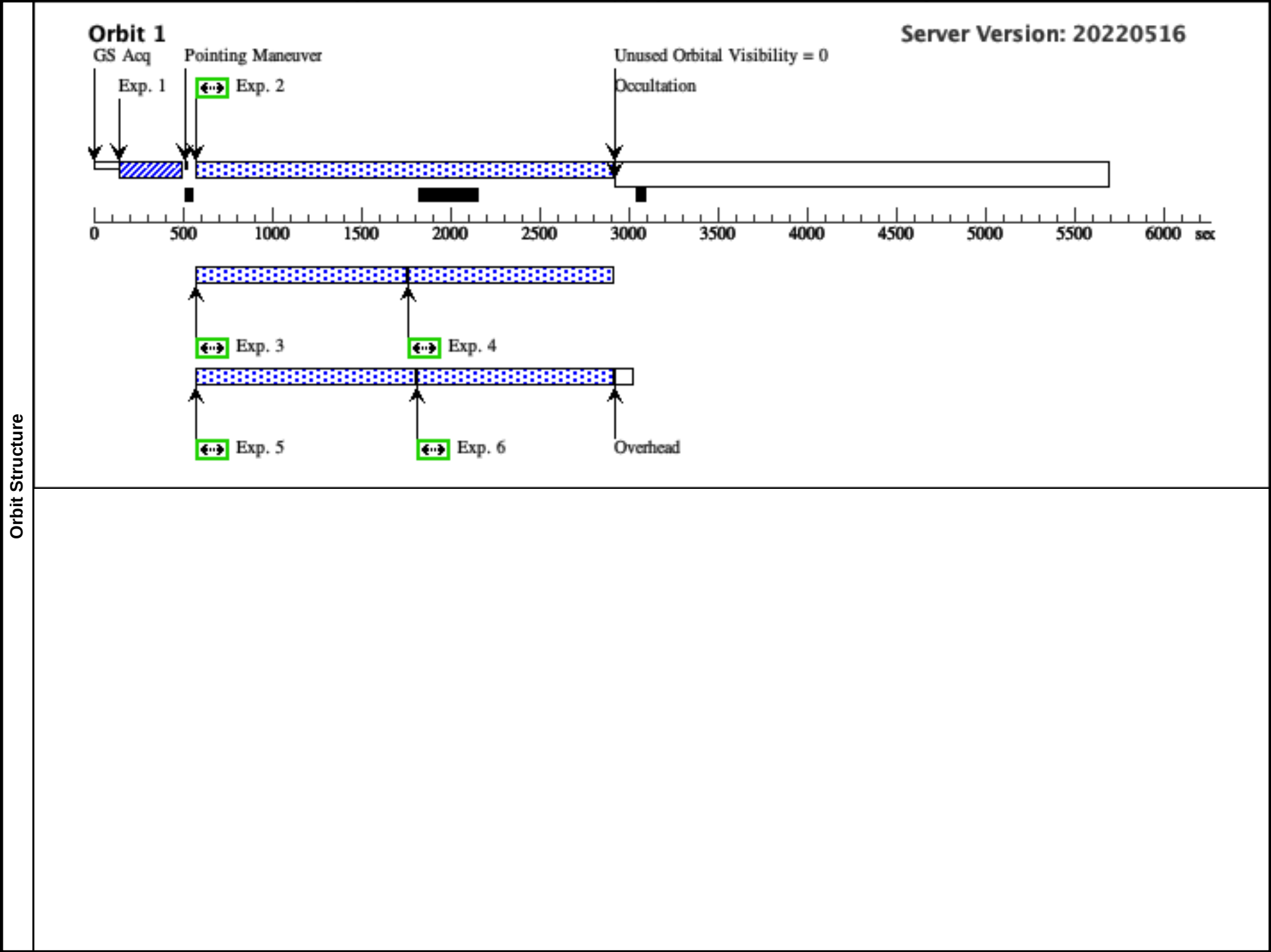


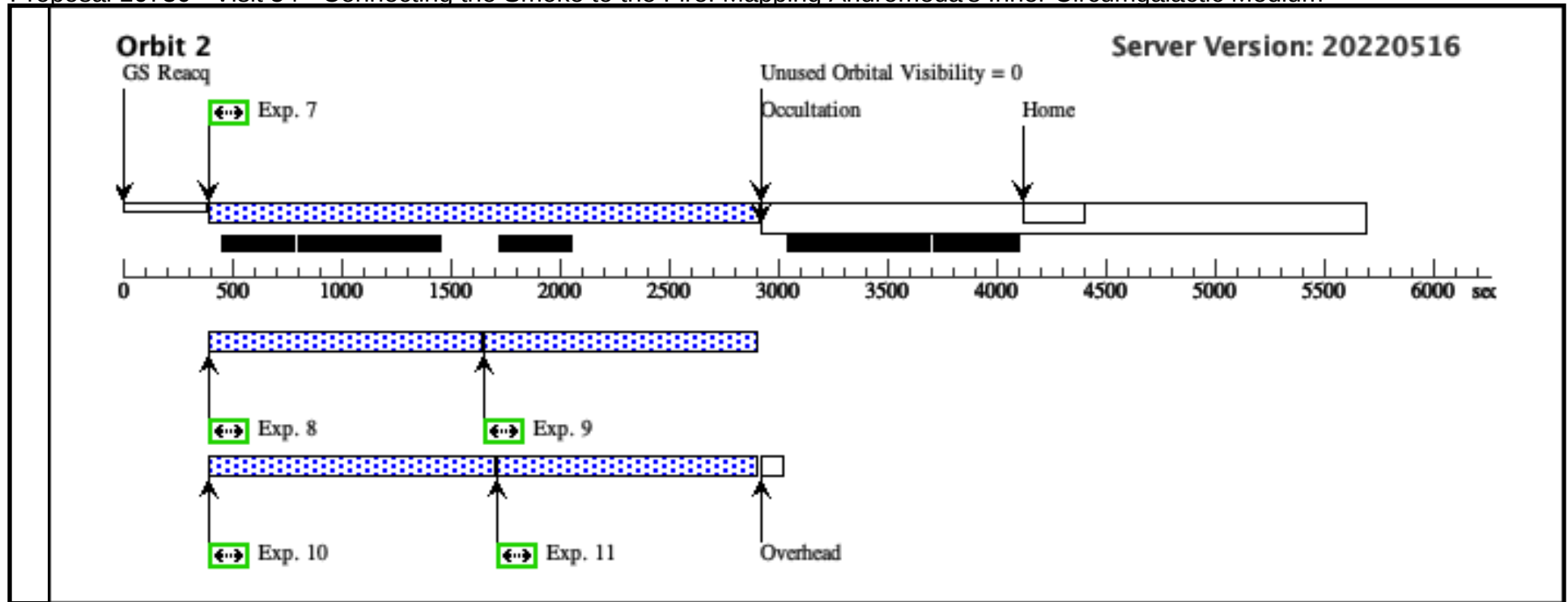
Proposal 16730 - Visit 54 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Visit	Proposal 16730, Visit 54, failed					Tue Aug 16 20:02:22 GMT 2022
	Diagnostic Status: Error					
Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV						
Special Requirements: SCHED 100%; SAME ORIENT AS 53						
Diagnostics	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 54)) Error (Form): Illegal selection: G160M.					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 54)) Error (Form): Illegal selection: PSA.					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 54)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 54)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 54)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 54)) Error (Form): YES is not a valid selection					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 54)) Error (Form): YES is not a valid selection					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 54)) Error (Form): Illegal selection: G160M.					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 54)) Error (Form): Illegal selection: PSA.					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 54)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 54)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 54)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 54)) Error (Form): YES is not a valid selection					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 54)) Error (Form): YES is not a valid selection					
(Visit 54) 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.						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(11)	LAMOSTJ005846.82+365514.2	RA: 00 58 46.8216 (14.6950900d) Dec: +36 55 14.30 (36.92064d) Equinox: J2000		V=17.6 GALEX FUV=18.20	Reference Frame: ICRS
Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC, ABSORPTION LINE SYSTEM - GALACTIC] Extended=NO						

Proposal 16730 - Visit 54 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(COS.ta.153 8187)	(11) LAMOSTJ0058 46.82+365514.2	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				23.3 Secs (23.3 Secs)		
									[==>]		[1]
	2	(COS.sp.152 6543)	(11) LAMOSTJ0058 46.82+365514.2	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=60 00; SEGMENT=BOTH; FLASH=YES; FP-POS=1		Prime + Parallel Gro up 2-6 in Visit 54	784 Secs (2131 Secs)		
									[==>2131.0 Secs]		[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 2-6 in Visit 54	750 Secs (972 Secs)		
									[==>972.0 Secs]		[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Gro up 2-6 in Visit 54	750 Secs (972 Secs)		
									[==>972.0 Secs]		[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 2-6 in Visit 54	900 Secs (1080.5 Secs)		
									[==>1080.5 Secs]		[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Gro up 2-6 in Visit 54	900 Secs (1080.5 Secs)		
									[==>1080.5 Secs]		[1]
	7	(COS.sp.152 6543)	(11) LAMOSTJ0058 46.82+365514.2	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=60 00; SEGMENT=BOTH; FLASH=YES; FP-POS=2		Prime + Parallel Gro up 7-11 in Visit 54	2400 Secs (2468 Secs)		
									[==>2468.0 Secs]		[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 7-11 in Visit 54	750 Secs (1074 Secs)		
									[==>1074.0 Secs]		[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Gro up 7-11 in Visit 54	750 Secs (1074 Secs)		
									[==>1074.0 Secs]		[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 7-11 in Visit 54	900 Secs (1174 Secs)		
									[==>1174.0 Secs]		[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Gro up 7-11 in Visit 54	900 Secs (1174 Secs)		
									[==>1174.0 Secs]		[2]





Proposal 16730 - Visit 55 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Tue Aug 16 20:02:22 GMT 2022

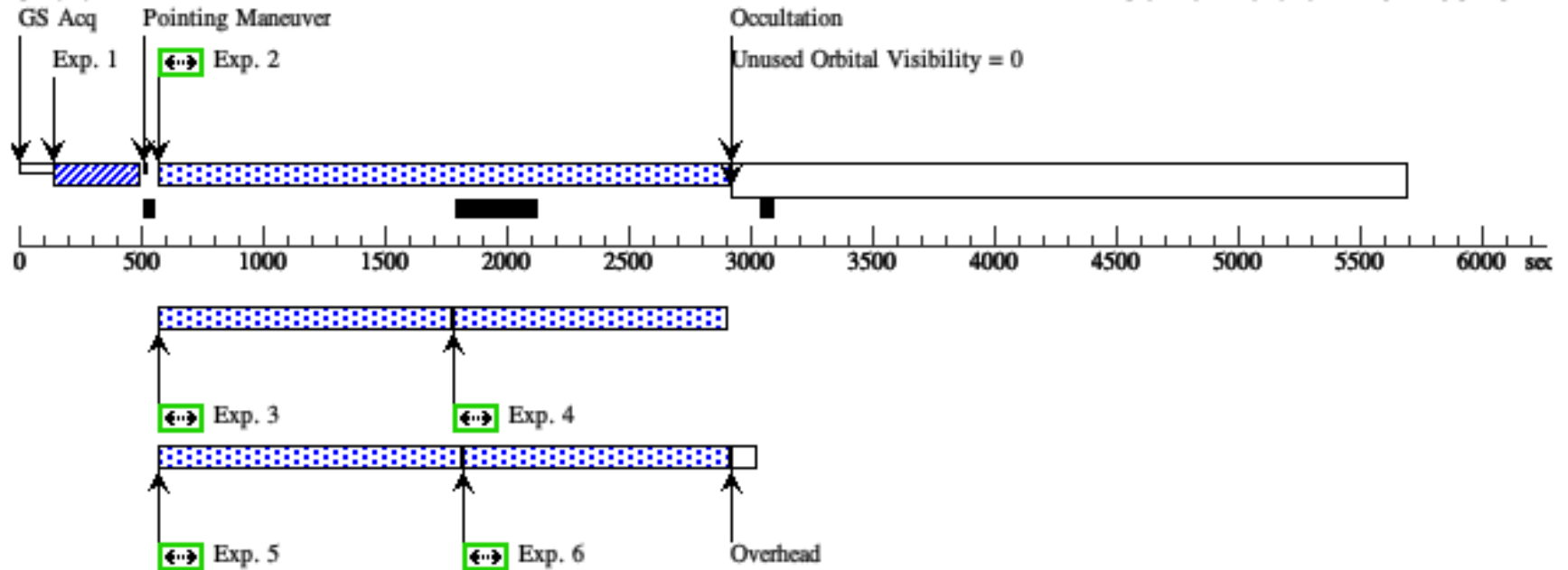
Visit	Proposal 16730, Visit 55, failed					Tue Aug 16 20:02:22 GMT 2022
	Diagnostic Status: Error					
	Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%; SAME ORIENT AS 53					
Diagnostics	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 55)) Error (Form): Illegal selection: G160M.					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 55)) Error (Form): Illegal selection: PSA.					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 55)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 55)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 55)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 55)) Error (Form): YES is not a valid selection					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 55)) Error (Form): YES is not a valid selection					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 55)) Error (Form): Illegal selection: G160M.					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 55)) Error (Form): Illegal selection: PSA.					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 55)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 55)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 55)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 55)) Error (Form): YES is not a valid selection					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 55)) Error (Form): YES is not a valid selection					
	Fixed Targets	(Visit 55) 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.				
#		Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(11)		LAMOSTJ005846.82+36 5514.2	RA: 00 58 46.8216 (14.6950900d) Dec: +36 55 14.30 (36.92064d) Equinox: J2000		V=17.6 GALEX FUV=18.20	Reference Frame: ICRS
Fixed Targets	Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC, ABSORPTION LINE SYSTEM - GALACTIC] Extended=NO					

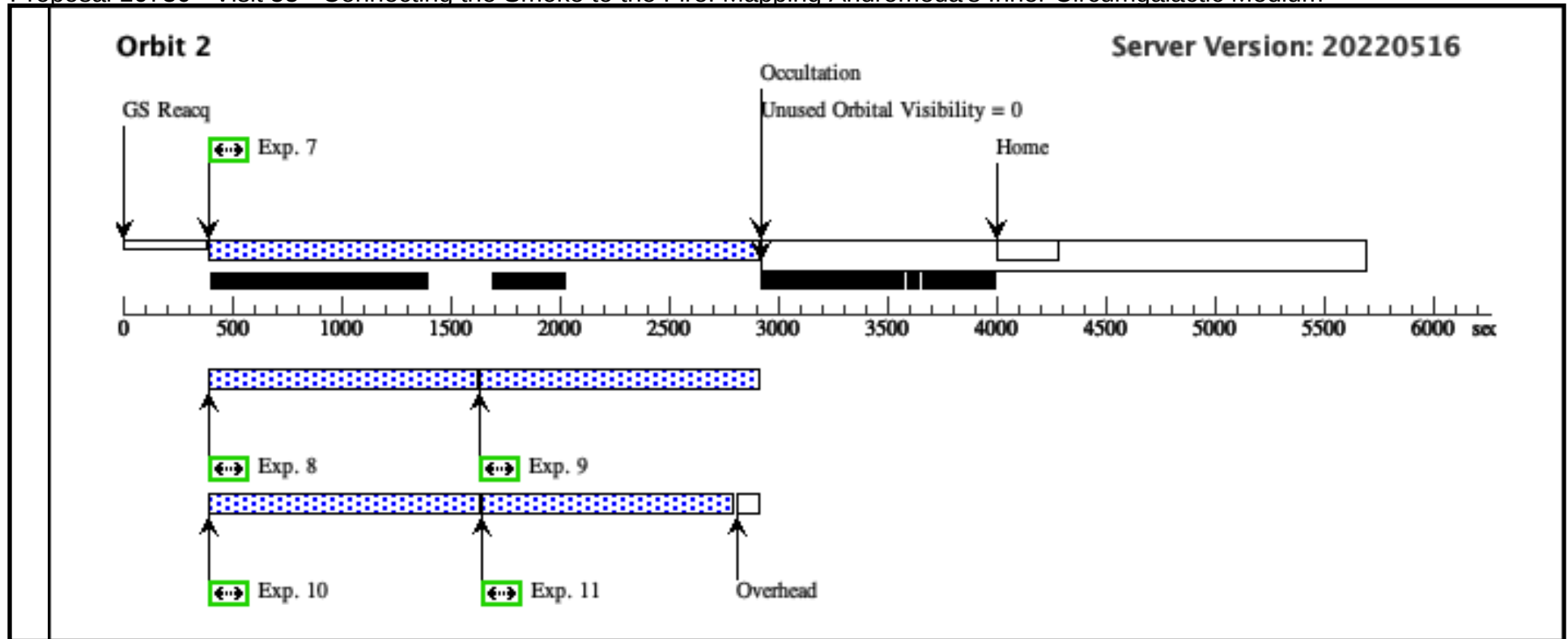
Proposal 16730 - Visit 55 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(COS.ta.153 8187)	(11) LAMOSTJ0058 46.82+365514.2	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				23.3 Secs (23.3 Secs)		
									[==>]		[1]
	2	(COS.sp.152 6543)	(11) LAMOSTJ0058 46.82+365514.2	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=60 00; SEGMENT=BOTH; FLASH=YES; FP-POS=3		Prime + Parallel Gro up 2-6 in Visit 55	2400 Secs (2131 Secs)		
									[==>2131.0 Secs]		[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 2-6 in Visit 55	750 Secs (999 Secs)		
									[==>999.0 Secs]		[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 2-6 in Visit 55	750 Secs (999 Secs)		
									[==>999.0 Secs]		[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 2-6 in Visit 55	900 Secs (1092 Secs)		
									[==>1092.0 Secs]		[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 2-6 in Visit 55	900 Secs (1092 Secs)		
									[==>1092.0 Secs]		[1]
	7	(COS.sp.152 6543)	(11) LAMOSTJ0058 46.82+365514.2	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=60 00; SEGMENT=BOTH; FLASH=YES; FP-POS=4		Prime + Parallel Gro up 7-11 in Visit 55	2471 Secs (2468 Secs)		
									[==>2468.0 Secs]		[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 7-11 in Visit 55	750 Secs (1102 Secs)		
									[==>1102.0 Secs]		[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Gro up 7-11 in Visit 55	750 Secs (1102 Secs)		
									[==>1102.0 Secs]		[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 7-11 in Visit 55	900 Secs (1128 Secs)		
									[==>1128.0 Secs]		[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Gro up 7-11 in Visit 55	900 Secs (1128 Secs)		
									[==>1128.0 Secs]		[2]

Orbit 1

Server Version: 20220516



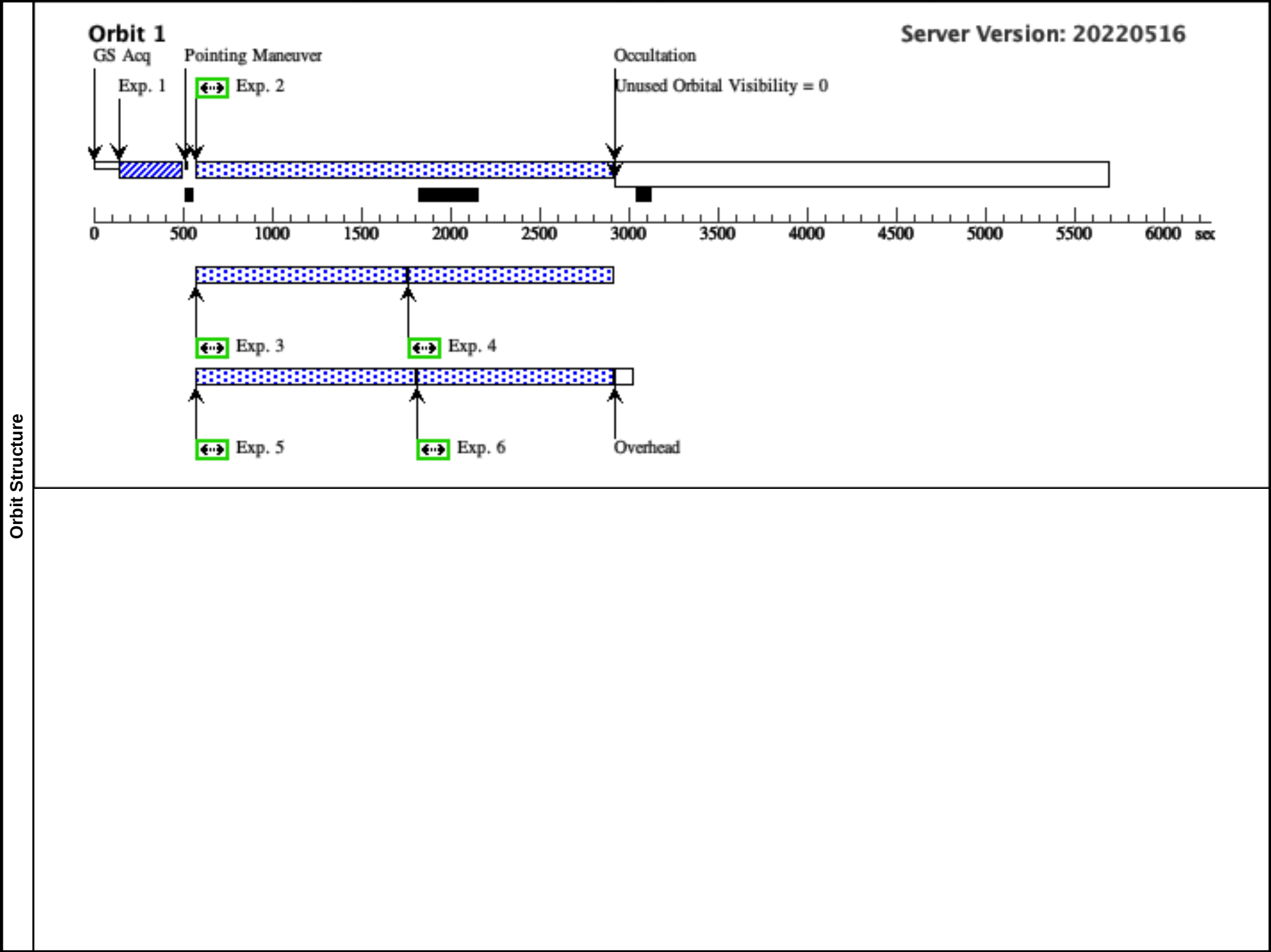


Proposal 16730 - Visit E3 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Visit	Proposal 16730, Visit E3, completed					Tue Aug 16 20:02:22 GMT 2022
	Diagnostic Status: Warning					
	Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%					
Diagnosics	(Visit E3) 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.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(11)	LAMOSTJ005846.82+365514.2	RA: 00 58 46.8216 (14.6950900d) Dec: +36 55 14.30 (36.92064d) Equinox: J2000		V=17.6 GALEX FUV=18.20	Reference Frame: ICRS
	Comments:					
	Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC, ABSORPTION LINE SYSTEM - GALACTIC] Extended=NO					

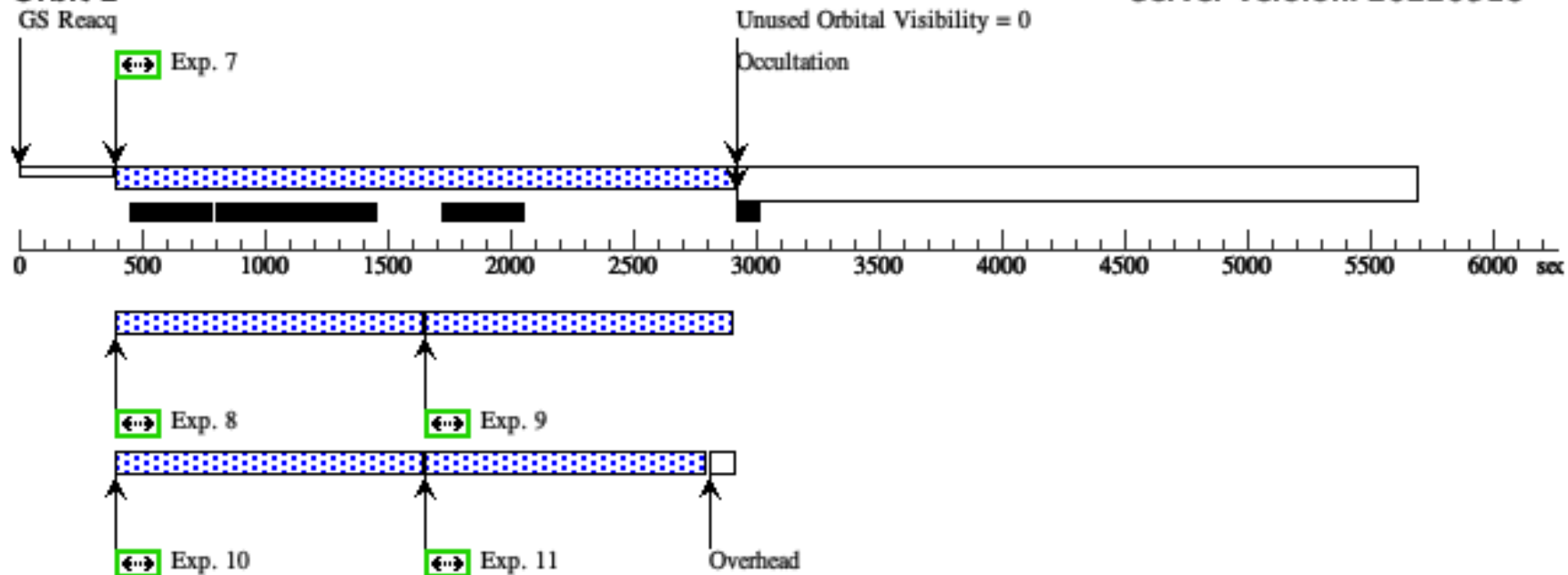
Proposal 16730 - Visit E3 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

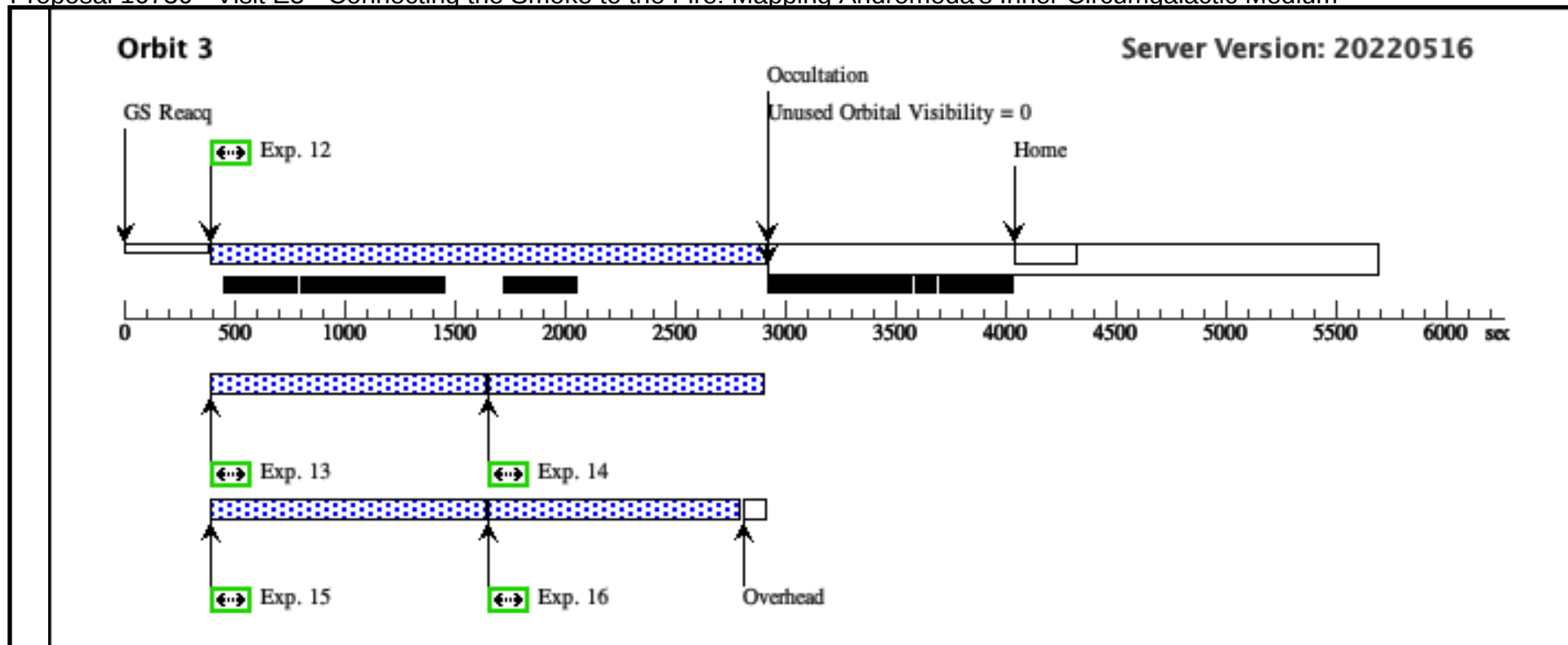
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(COS.ta.153 8187)	(11) LAMOSTJ0058 46.82+365514.2	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				23.3 Secs (23.3 Secs)		
									[==>]		[1]
	2	(COS.sp.152 6533)	(11) LAMOSTJ0058 46.82+365514.2	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=28 00; FP-POS=3; SEGMENT=BOTH; FLASH=YES		Prime + Parallel Gro up 2-6 in Visit E3	2400 Secs (2173 Secs)		
									[==>2173.0 Secs]		[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 2-6 in Visit E3	750 Secs (972 Secs)		
									[==>972.0 Secs]		[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Gro up 2-6 in Visit E3	750 Secs (972 Secs)		
									[==>972.0 Secs]		[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 2-6 in Visit E3	900 Secs (1081 Secs)		
									[==>1081.0 Secs]		[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Gro up 2-6 in Visit E3	900 Secs (1081 Secs)		
									[==>1081.0 Secs]		[1]
	7	(COS.sp.152 6533)	(11) LAMOSTJ0058 46.82+365514.2	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=28 00; SEGMENT=BOTH; FLASH=YES; FP-POS=3		Prime + Parallel Gro up 7-11 in Visit E3	2400 Secs (2471 Secs)		
									[==>2471.0 Secs]		[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 7-11 in Visit E3	750 Secs (1074 Secs)		
									[==>1074.0 Secs]		[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Gro up 7-11 in Visit E3	750 Secs (1074 Secs)		
									[==>1074.0 Secs]		[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 7-11 in Visit E3	900 Secs (1116 Secs)		
									[==>1116.0 Secs]		[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Gro up 7-11 in Visit E3	900 Secs (1116 Secs)		
									[==>1116.0 Secs]		[2]
	12	(COS.sp.152 6533)	(11) LAMOSTJ0058 46.82+365514.2	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=28 00; FP-POS=4; SEGMENT=BOTH; FLASH=YES		Prime + Parallel Gro up 12-16 in Visit E3	2400 Secs (2468 Secs)		
									[==>2468.0 Secs]		[3]
	13		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 12-16 in Visit E3	750 Secs (1074 Secs)		
									[==>1074.0 Secs]		[3]
	14		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Gro up 12-16 in Visit E3	750 Secs (1074 Secs)		
									[==>1074.0 Secs]		[3]
	15		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 12-16 in Visit E3	900 Secs (1116 Secs)		
									[==>1116.0 Secs]		[3]
	16		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Gro up 12-16 in Visit E3	900 Secs (1116 Secs)		
									[==>1116.0 Secs]		[3]



Orbit 2

Server Version: 20220516



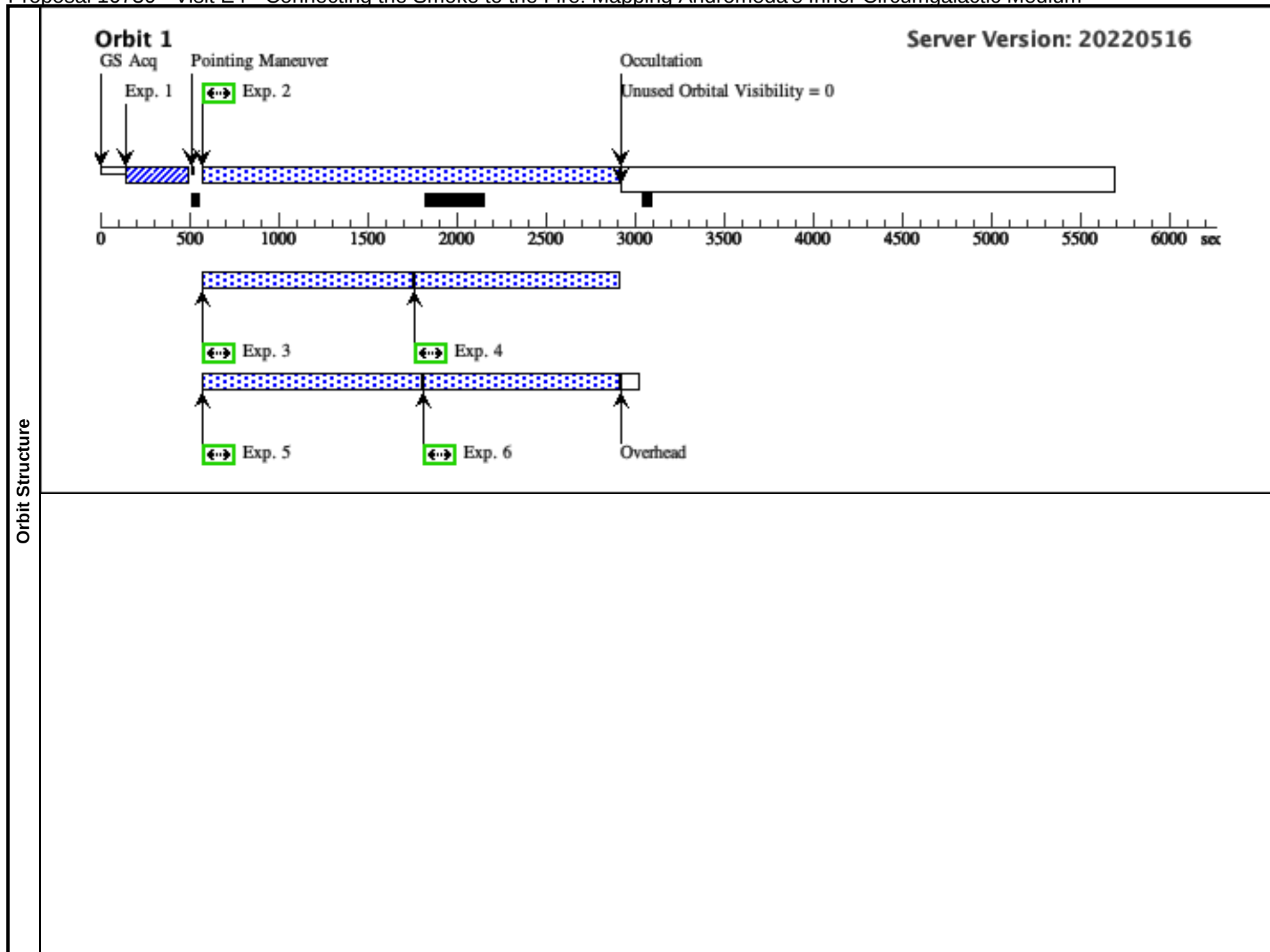


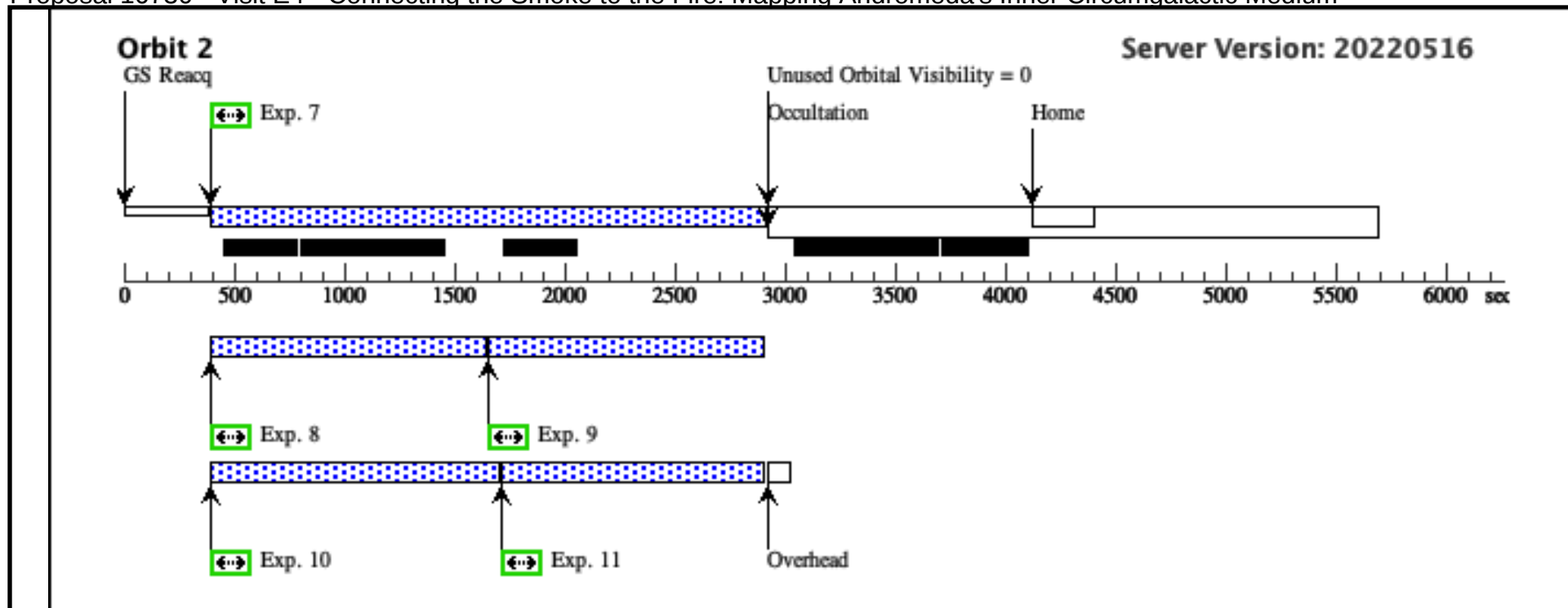
Proposal 16730 - Visit E4 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Visit	Proposal 16730, Visit E4, completed Tue Aug 16 20:02:22 GMT 2022				
	Diagnostic Status: Error Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV Special Requirements: SCHED 100%; SAME ORIENT AS E3				
Diagnostics	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit E4)) Error (Form): Illegal selection: G160M. (Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit E4)) Error (Form): Illegal selection: PSA. (Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit E4)) 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). (Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit E4)) 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). (Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit E4)) 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). (Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit E4)) Error (Form): YES is not a valid selection (Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit E4)) Error (Form): YES is not a valid selection (Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit E4)) Error (Form): Illegal selection: G160M. (Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit E4)) Error (Form): Illegal selection: PSA. (Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit E4)) 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). (Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit E4)) 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). (Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit E4)) 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). (Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit E4)) Error (Form): YES is not a valid selection (Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit E4)) Error (Form): YES is not a valid selection (Visit E4) 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.				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(11)	LAMOSTJ005846.82+365514.2	RA: 00 58 46.8216 (14.6950900d) Dec: +36 55 14.30 (36.92064d) Equinox: J2000		V=17.6 GALEX FUV=18.20
	Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC, ABSORPTION LINE SYSTEM - GALACTIC] Extended=NO				

Proposal 16730 - Visit E4 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

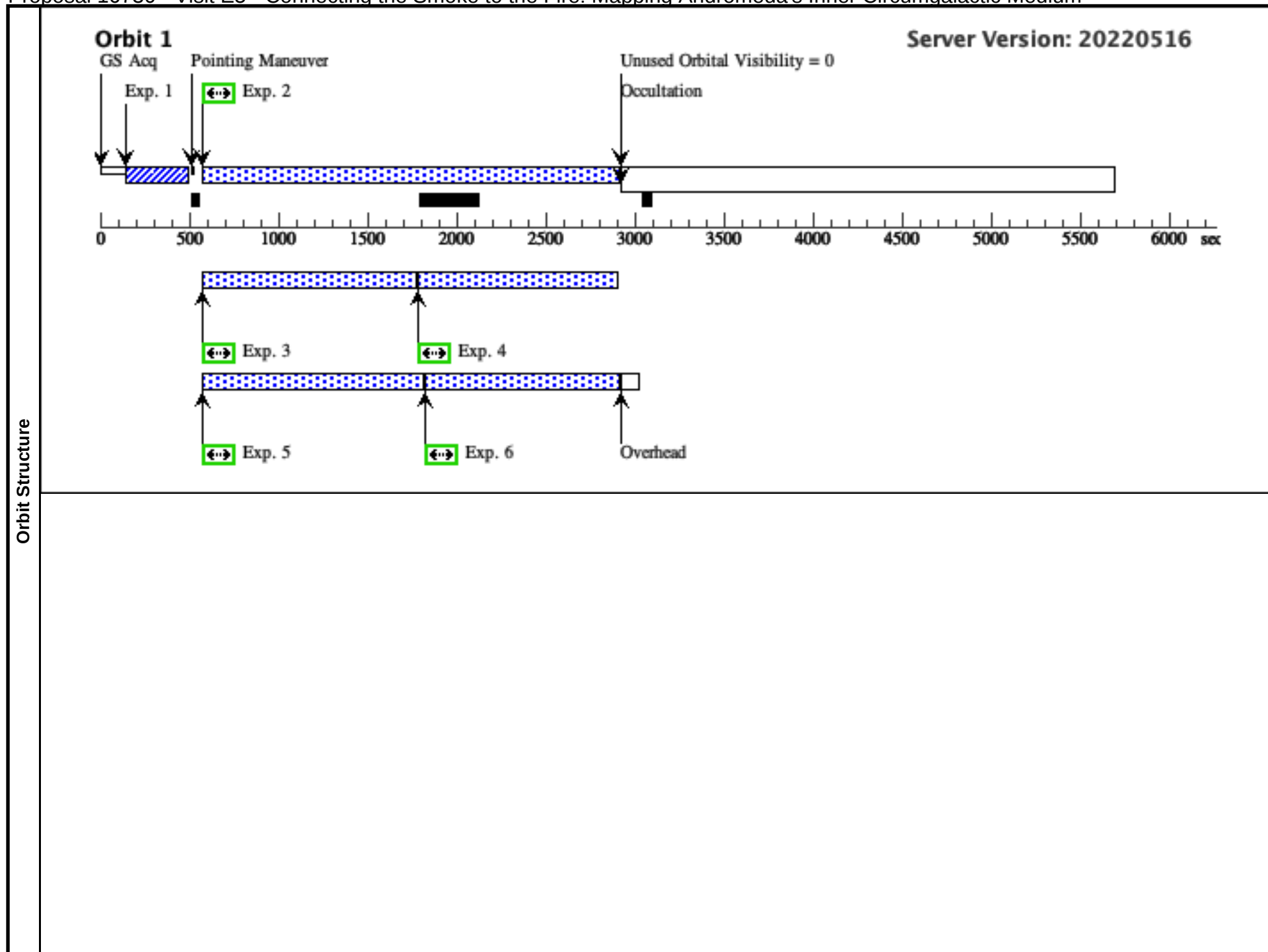
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(COS.ta.153 8187)	(11) LAMOSTJ0058 46.82+365514.2	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				23.3 Secs (23.3 Secs)		
									[==>]		[1]
	2	(COS.sp.152 6543)	(11) LAMOSTJ0058 46.82+365514.2	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=60 00; SEGMENT=BOTH; FLASH=YES; FP-POS=1		Prime + Parallel Gro up 2-6 in Visit E4	784 Secs (2131 Secs)		
									[==>2131.0 Secs]		[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 2-6 in Visit E4	750 Secs (972 Secs)		
									[==>972.0 Secs]		[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Gro up 2-6 in Visit E4	750 Secs (972 Secs)		
									[==>972.0 Secs]		[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 2-6 in Visit E4	900 Secs (1080.5 Secs)		
									[==>1080.5 Secs]		[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Gro up 2-6 in Visit E4	900 Secs (1080.5 Secs)		
									[==>1080.5 Secs]		[1]
	7	(COS.sp.152 6543)	(11) LAMOSTJ0058 46.82+365514.2	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=60 00; SEGMENT=BOTH; FLASH=YES; FP-POS=2		Prime + Parallel Gro up 7-11 in Visit E4	2400 Secs (2468 Secs)		
									[==>2468.0 Secs]		[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 7-11 in Visit E4	750 Secs (1074 Secs)		
									[==>1074.0 Secs]		[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Gro up 7-11 in Visit E4	750 Secs (1074 Secs)		
									[==>1074.0 Secs]		[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 7-11 in Visit E4	900 Secs (1174 Secs)		
									[==>1174.0 Secs]		[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Gro up 7-11 in Visit E4	900 Secs (1174 Secs)		
									[==>1174.0 Secs]		[2]

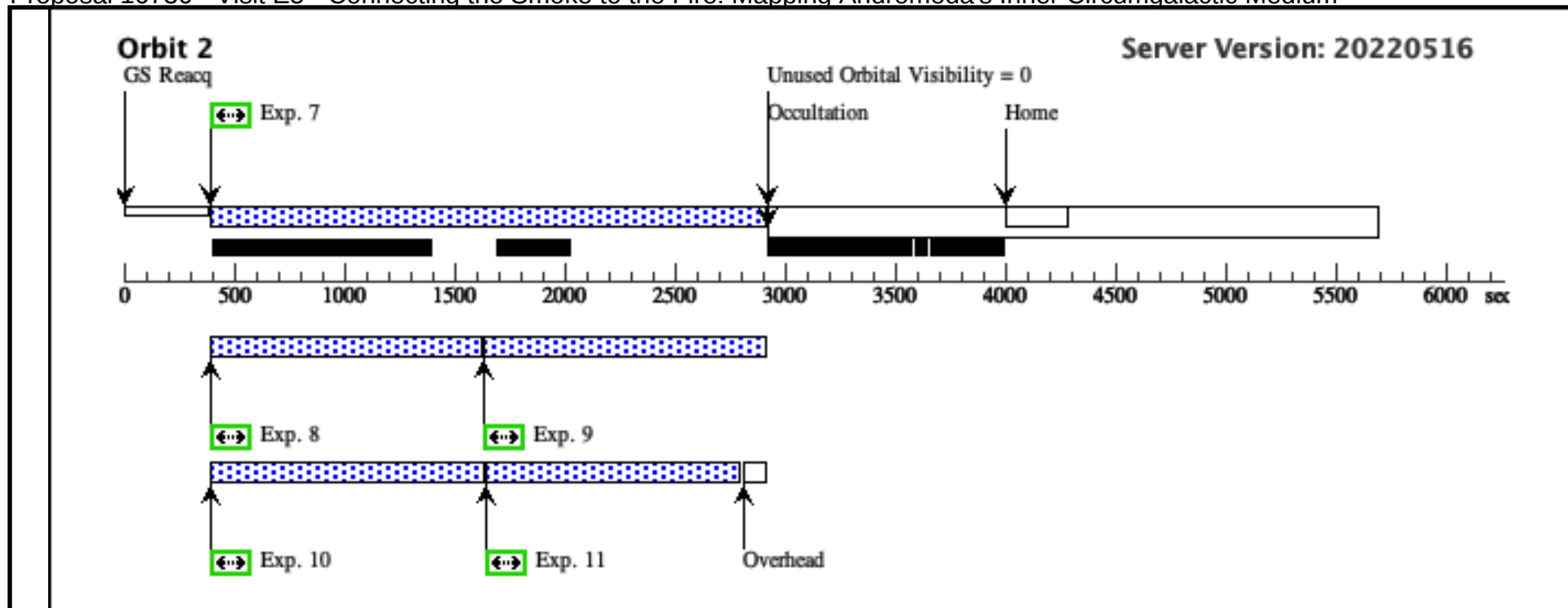




Proposal 16730 - Visit E5 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(COS.ta.153 8187)	(11) LAMOSTJ0058 46.82+365514.2	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				23.3 Secs (23.3 Secs)		
									[==>]		[1]
	2	(COS.sp.152 6543)	(11) LAMOSTJ0058 46.82+365514.2	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=60 00; SEGMENT=BOTH; FLASH=YES; FP-POS=3		Prime + Parallel Gro up 2-6 in Visit E5	2400 Secs (2131 Secs)		
									[==>2131.0 Secs]		[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 2-6 in Visit E5	750 Secs (999 Secs)		
									[==>999.0 Secs]		[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 2-6 in Visit E5	750 Secs (999 Secs)		
									[==>999.0 Secs]		[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 2-6 in Visit E5	900 Secs (1092 Secs)		
									[==>1092.0 Secs]		[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 2-6 in Visit E5	900 Secs (1092 Secs)		
									[==>1092.0 Secs]		[1]
	7	(COS.sp.152 6543)	(11) LAMOSTJ0058 46.82+365514.2	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=60 00; SEGMENT=BOTH; FLASH=YES; FP-POS=4		Prime + Parallel Gro up 7-11 in Visit E5	2471 Secs (2468 Secs)		
									[==>2468.0 Secs]		[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 7-11 in Visit E5	750 Secs (1102 Secs)		
									[==>1102.0 Secs]		[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Gro up 7-11 in Visit E5	750 Secs (1102 Secs)		
									[==>1102.0 Secs]		[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Gro up 7-11 in Visit E5	900 Secs (1128 Secs)		
									[==>1128.0 Secs]		[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Gro up 7-11 in Visit E5	900 Secs (1128 Secs)		
									[==>1128.0 Secs]		[2]



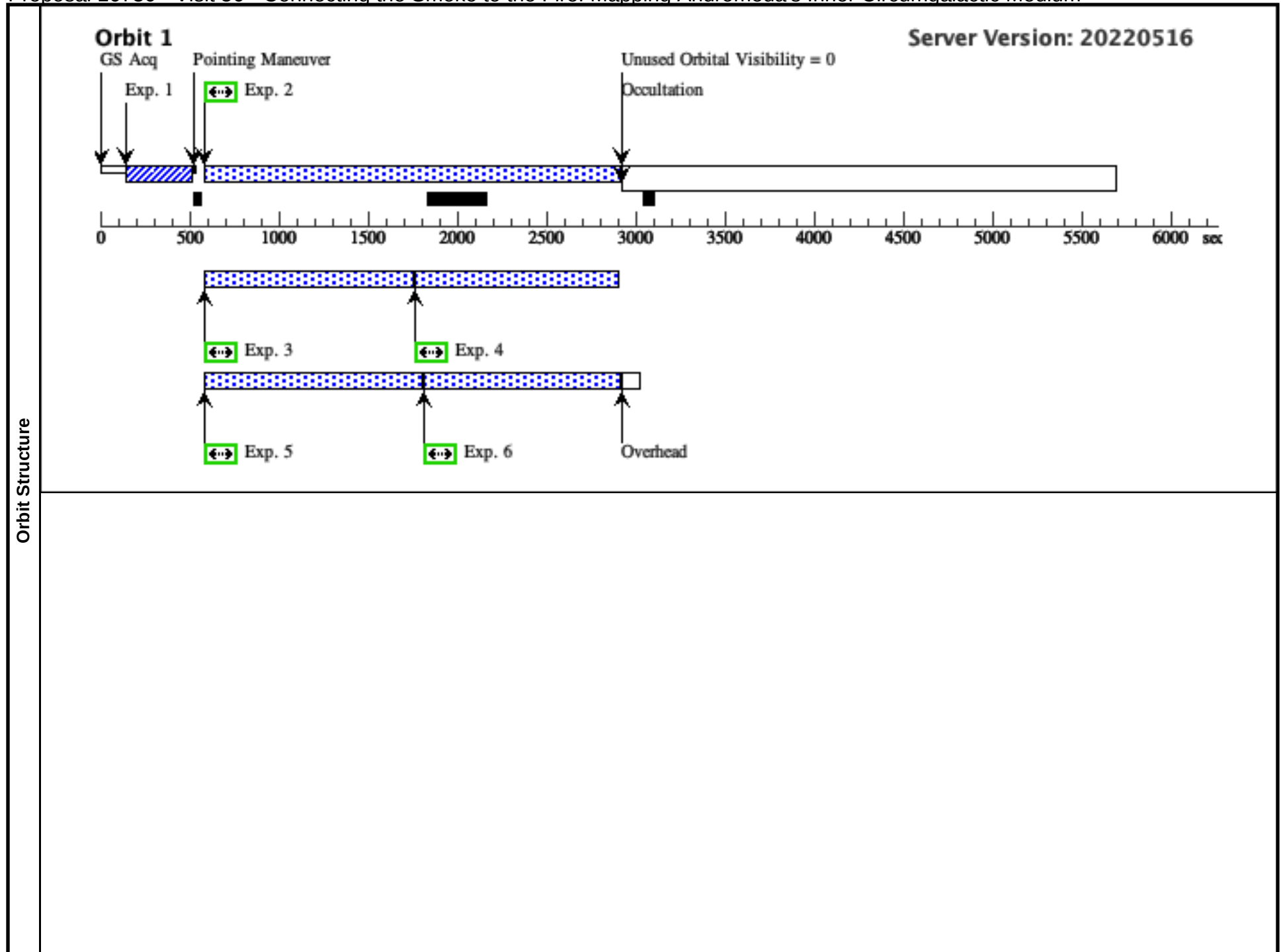


Proposal 16730 - Visit 56 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Visit	Proposal 16730, Visit 56, completed					Tue Aug 16 20:02:22 GMT 2022
	Diagnostic Status: Warning					
	Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%					
Diagnosics	(Visit 56) 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.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(12)	PGC2077956	RA: 00 31 13.3152 (7.8054800d)		V=16.8	Reference Frame: ICRS
			Dec: +36 16 48.11 (36.28003d)		GALEX FUV=18.25	
			Equinox: J2000			
		Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC, ABSORPTION LINE SYSTEM - GALACTIC] Extended=NO				

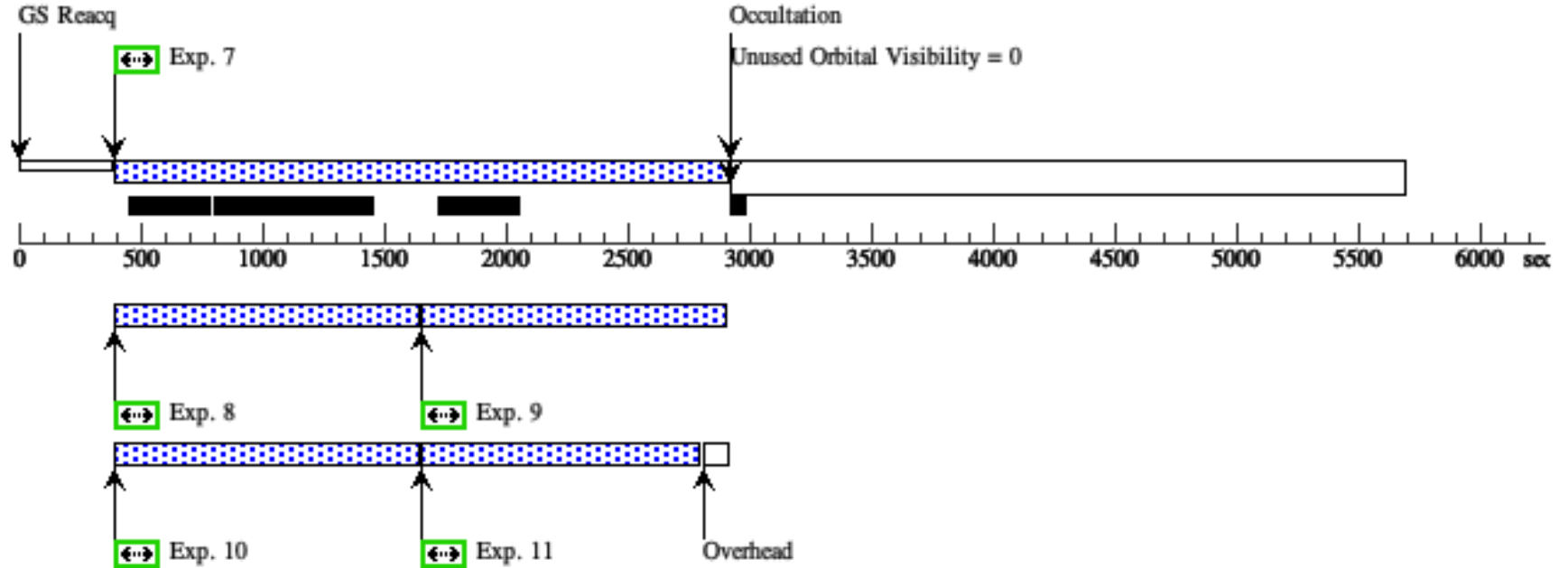
Proposal 16730 - Visit 56 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

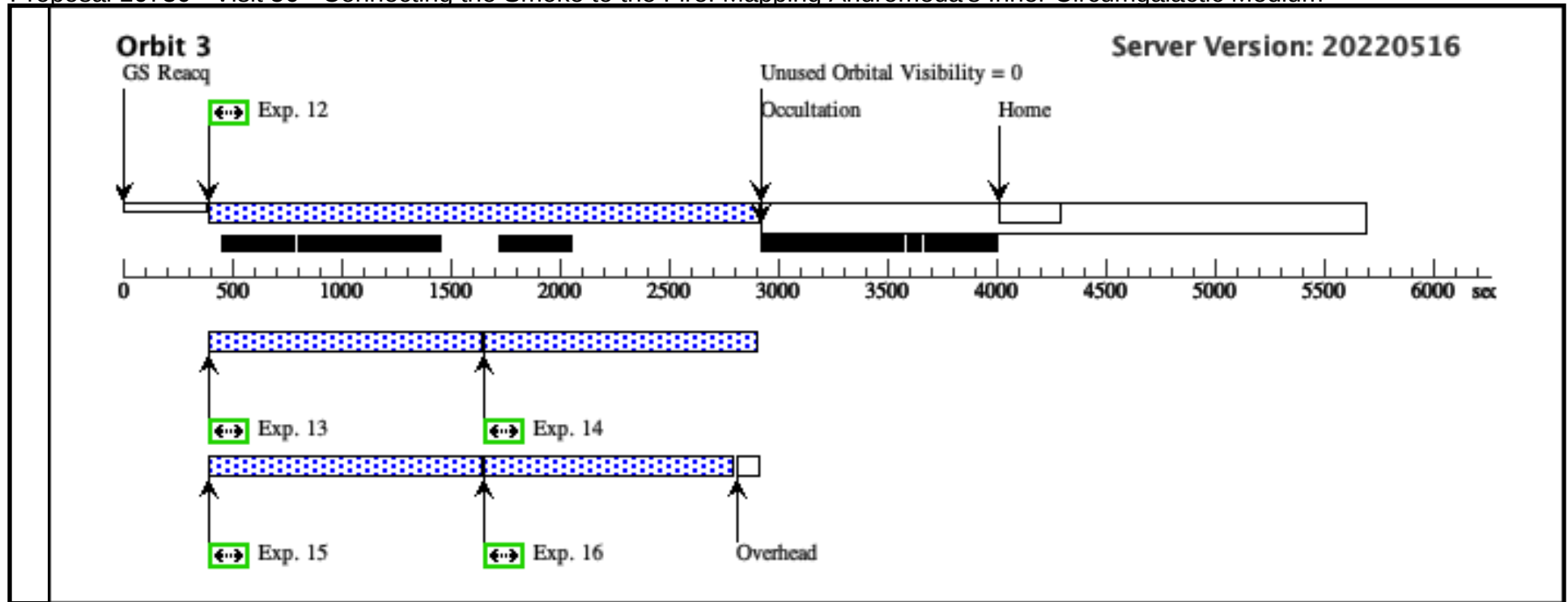
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(COS.ta.154 3338)	(12) PGC2077956	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				29.1 Secs (29.1 Secs)	
									[==>]	[1]
	2	(COS.sp.152 6533)	(12) PGC2077956	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=47 27; FP-POS=3; SEGMENT=BOTH; FLASH=YES		Prime + Parallel Group 2-6 in Visit 56	2400 Secs (2161 Secs)	
									[==>2161.0 Secs]	[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 2-6 in Visit 56	750 Secs (966 Secs)	
									[==>966.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 2-6 in Visit 56	750 Secs (966 Secs)	
									[==>966.0 Secs]	[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 2-6 in Visit 56	900 Secs (1075 Secs)	
									[==>1075.0 Secs]	[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 2-6 in Visit 56	900 Secs (1075 Secs)	
									[==>1075.0 Secs]	[1]
	7	(COS.sp.152 6533)	(12) PGC2077956	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=47 27; SEGMENT=BOTH; FLASH=YES; FP-POS=3		Prime + Parallel Group 7-11 in Visit 56	2400 Secs (2471 Secs)	
									[==>2471.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Visit 56	750 Secs (1074 Secs)	
									[==>1074.0 Secs]	[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 7-11 in Visit 56	750 Secs (1074 Secs)	
									[==>1074.0 Secs]	[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Visit 56	900 Secs (1116 Secs)	
									[==>1116.0 Secs]	[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 7-11 in Visit 56	900 Secs (1116 Secs)	
									[==>1116.0 Secs]	[2]
	12	(COS.sp.152 6533)	(12) PGC2077956	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=47 27; FP-POS=4; SEGMENT=BOTH; FLASH=YES		Prime + Parallel Group 12-16 in Visit 56	2400 Secs (2468 Secs)	
									[==>2468.0 Secs]	[3]
	13		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 12-16 in Visit 56	750 Secs (1074 Secs)	
									[==>1074.0 Secs]	[3]
	14		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 12-16 in Visit 56	750 Secs (1074 Secs)	
									[==>1074.0 Secs]	[3]
	15		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 12-16 in Visit 56	900 Secs (1116 Secs)	
									[==>1116.0 Secs]	[3]
	16		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 12-16 in Visit 56	900 Secs (1116 Secs)	
									[==>1116.0 Secs]	[3]



Orbit 2

Server Version: 20220516



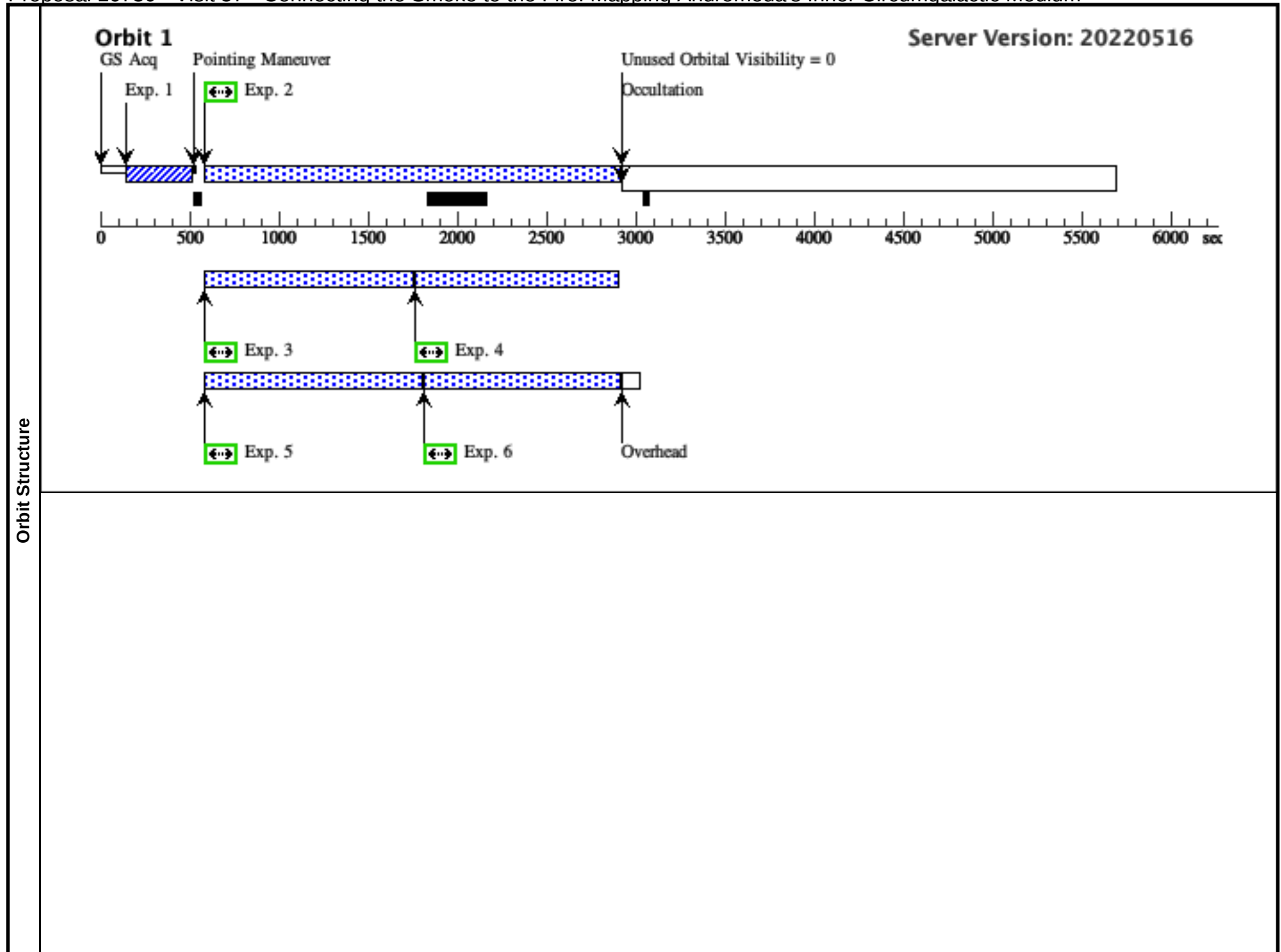


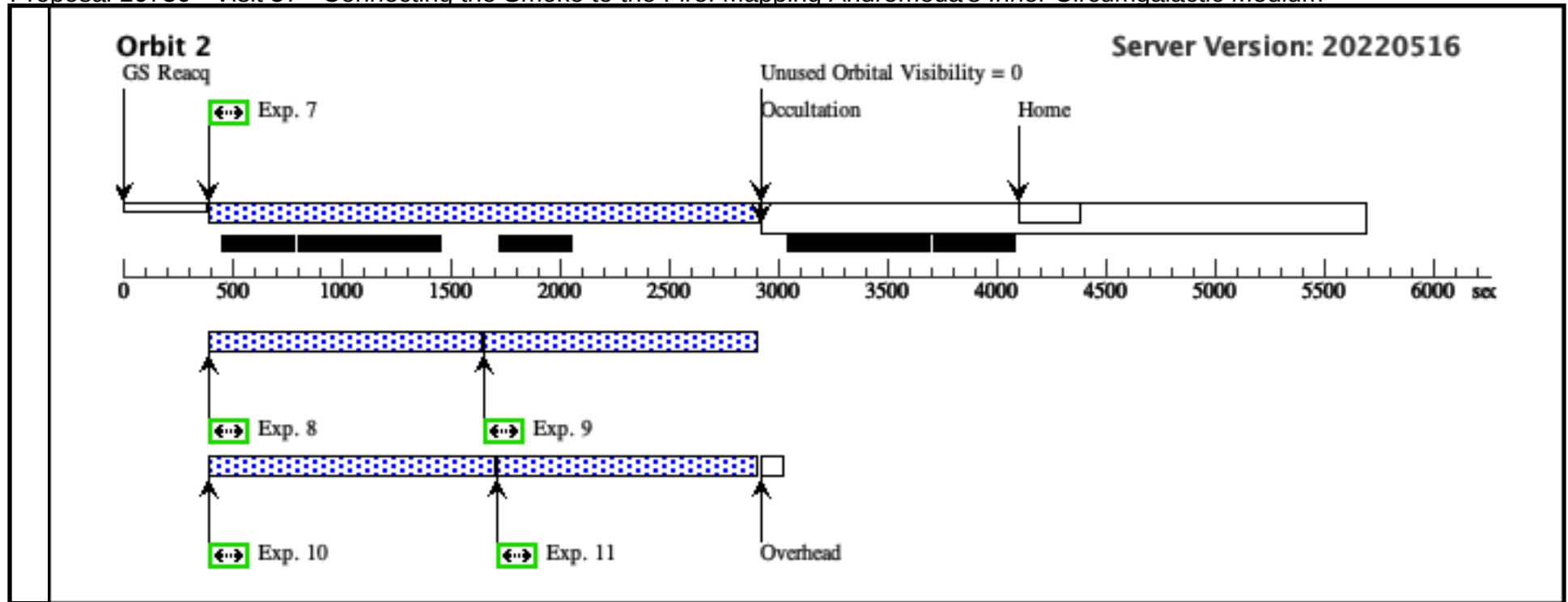
Proposal 16730 - Visit 57 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Visit	Proposal 16730, Visit 57, completed					Tue Aug 16 20:02:22 GMT 2022
	Diagnostic Status: Error					
	Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%; SAME ORIENT AS 56					
Diagnostics	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 57)) Error (Form): Illegal selection: G160M.					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 57)) Error (Form): Illegal selection: PSA.					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 57)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 57)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 57)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 57)) Error (Form): YES is not a valid selection					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 57)) Error (Form): YES is not a valid selection					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 57)) Error (Form): Illegal selection: G160M.					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 57)) Error (Form): Illegal selection: PSA.					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 57)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 57)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 57)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 57)) Error (Form): YES is not a valid selection					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 57)) Error (Form): YES is not a valid selection					
	Fixed Targets	(Visit 57) 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.				
#		Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(12)	PGC2077956	RA: 00 31 13.3152 (7.8054800d) Dec: +36 16 48.11 (36.28003d) Equinox: J2000		V=16.8 GALEX FUV=18.25	Reference Frame: ICRS
	Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC, ABSORPTION LINE SYSTEM - GALACTIC] Extended=NO					

Proposal 16730 - Visit 57 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(COS.ta.154 3338)	(12) PGC2077956	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				29.1 Secs (29.1 Secs)	
									[==>]	[1]
	2	(COS.sp.152 6543)	(12) PGC2077956	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=15 744; SEGMENT=BOTH; FLASH=YES; FP-POS=1		Prime + Parallel Group 2-6 in Visit 57	784 Secs (2119 Secs)	
									[==>2119.0 Secs]	[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 2-6 in Visit 57	750 Secs (966 Secs)	
									[==>966.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 2-6 in Visit 57	750 Secs (966 Secs)	
									[==>966.0 Secs]	[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 2-6 in Visit 57	900 Secs (1074.5 Secs)	
									[==>1074.5 Secs]	[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 2-6 in Visit 57	900 Secs (1074.5 Secs)	
									[==>1074.5 Secs]	[1]
	7	(COS.sp.152 6543)	(12) PGC2077956	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=15 744; SEGMENT=BOTH; FLASH=YES; FP-POS=2		Prime + Parallel Group 7-11 in Visit 57	2400 Secs (2468 Secs)	
									[==>2468.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Visit 57	750 Secs (1074 Secs)	
									[==>1074.0 Secs]	[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 7-11 in Visit 57	750 Secs (1074 Secs)	
									[==>1074.0 Secs]	[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Visit 57	900 Secs (1174 Secs)	
									[==>1174.0 Secs]	[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 7-11 in Visit 57	900 Secs (1174 Secs)	
									[==>1174.0 Secs]	[2]



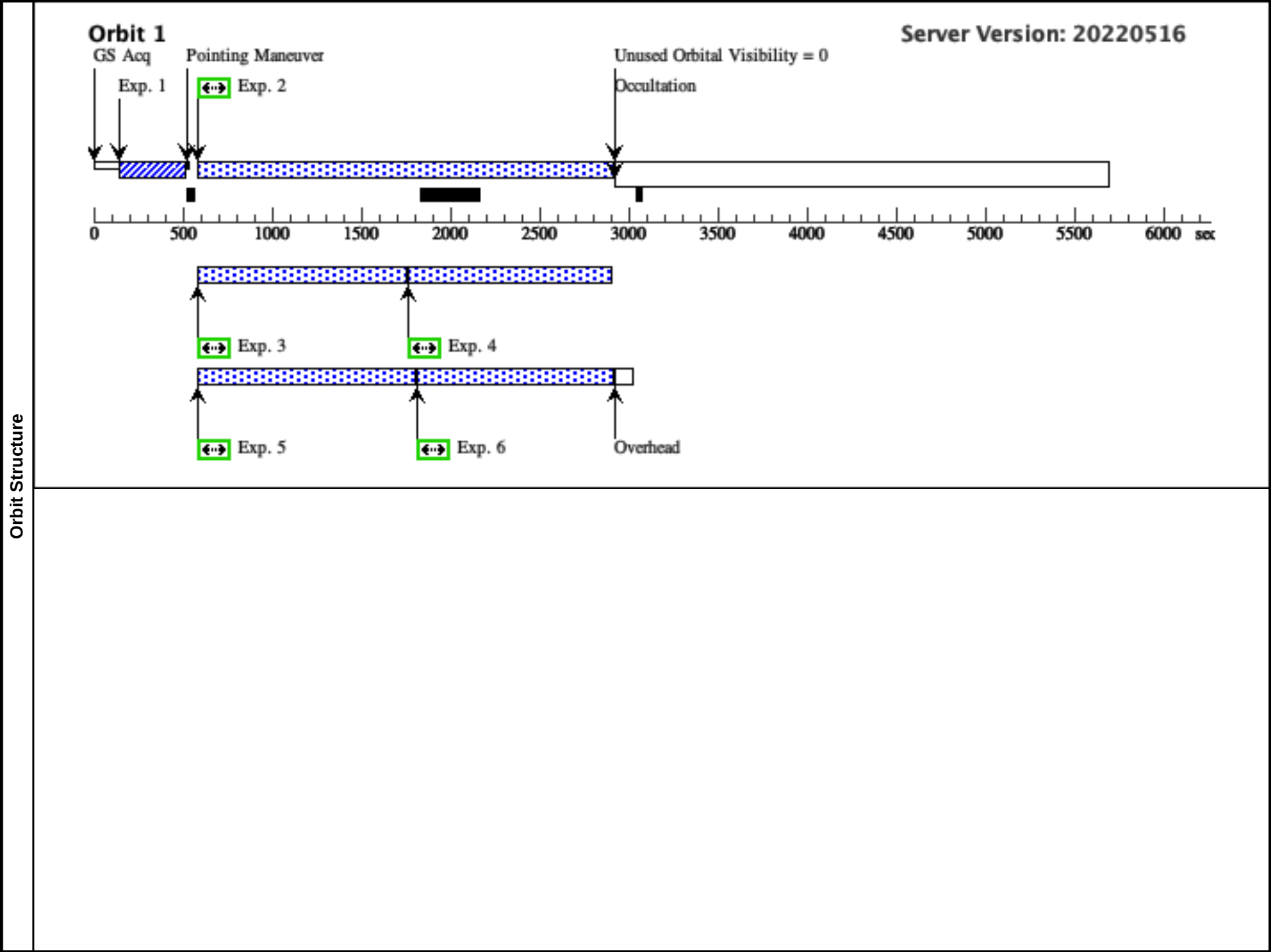


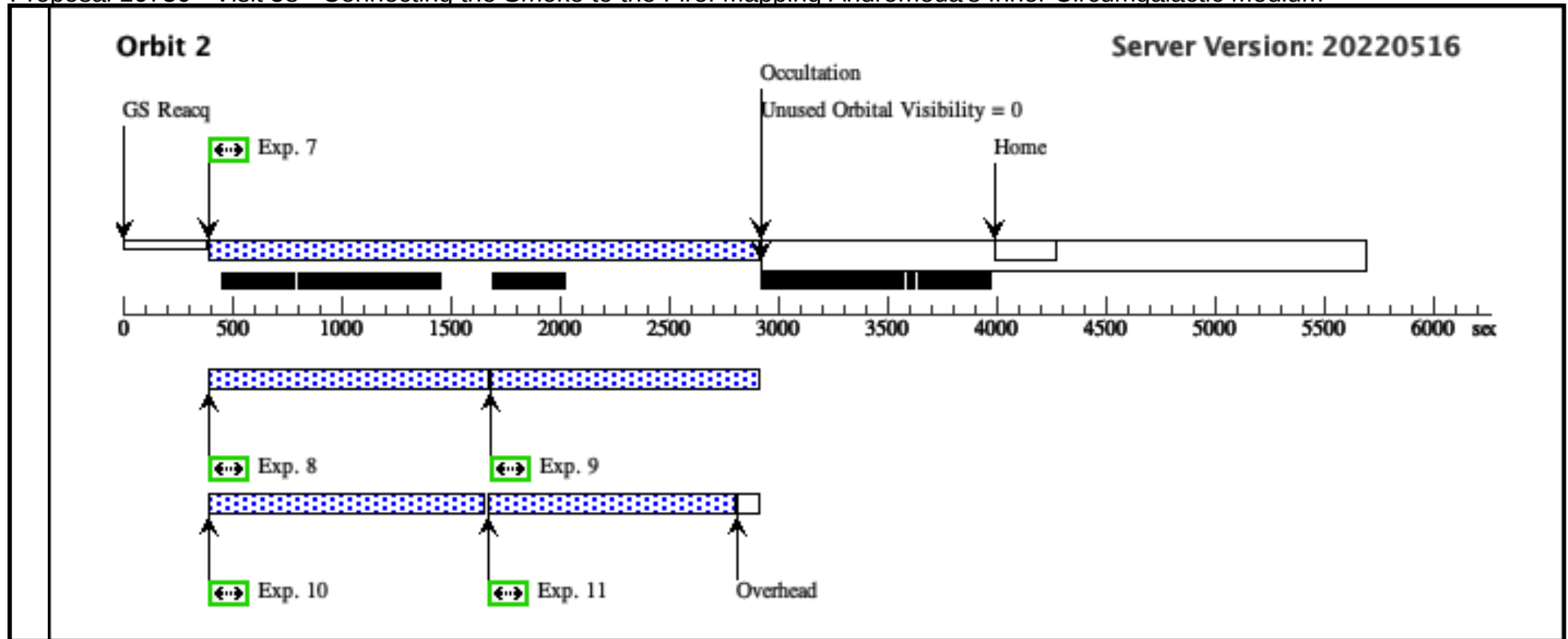
Proposal 16730 - Visit 58 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Visit	Proposal 16730, Visit 58, completed					Tue Aug 16 20:02:22 GMT 2022
	Diagnostic Status: Error					
	Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%; SAME ORIENT AS 56					
Diagnostics	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 58)) Error (Form): Illegal selection: G160M.					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 58)) Error (Form): Illegal selection: PSA.					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 58)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 58)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 58)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 58)) Error (Form): YES is not a valid selection					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 58)) Error (Form): YES is not a valid selection					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 58)) Error (Form): Illegal selection: G160M.					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 58)) Error (Form): Illegal selection: PSA.					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 58)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 58)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 58)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 58)) Error (Form): YES is not a valid selection					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 58)) Error (Form): YES is not a valid selection					
	Fixed Targets	(Visit 58) 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.				
#		Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(12)	PGC2077956	RA: 00 31 13.3152 (7.8054800d) Dec: +36 16 48.11 (36.28003d) Equinox: J2000		V=16.8 GALEX FUV=18.25	Reference Frame: ICRS
	Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC, ABSORPTION LINE SYSTEM - GALACTIC] Extended=NO					

Proposal 16730 - Visit 58 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(COS.ta.154 3338)	(12) PGC2077956	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				29.1 Secs (29.1 Secs)		
									[==>]		[1]
	2	(COS.sp.152 6543)	(12) PGC2077956	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=15 744; SEGMENT=BOTH; FLASH=YES; FP-POS=3		Prime + Parallel Group 2-6 in Visit 58	2200 Secs (2119 Secs)		
									[==>2119.0 Secs]		[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 2-6 in Visit 58	750 Secs (966 Secs)		
									[==>966.0 Secs]		[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 2-6 in Visit 58	750 Secs (966 Secs)		
									[==>966.0 Secs]		[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 2-6 in Visit 58	900 Secs (1075 Secs)		
									[==>1075.0 Secs]		[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 2-6 in Visit 58	900 Secs (1075 Secs)		
									[==>1075.0 Secs]		[1]
	7	(COS.sp.152 6543)	(12) PGC2077956	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=15 744; SEGMENT=BOTH; FLASH=YES; FP-POS=4		Prime + Parallel Group 7-11 in Visit 58	2471 Secs (2468 Secs)		
									[==>2468.0 Secs]		[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Visit 58	750 Secs (1102 Secs)		
									[==>1102.0 Secs]		[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Visit 58	750 Secs (1102 Secs)		
									[==>1102.0 Secs]		[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Visit 58	900 Secs (1128 Secs)		
									[==>1128.0 Secs]		[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Visit 58	900 Secs (1128 Secs)		
									[==>1128.0 Secs]		[2]





Proposal 16730 - Visit 59 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

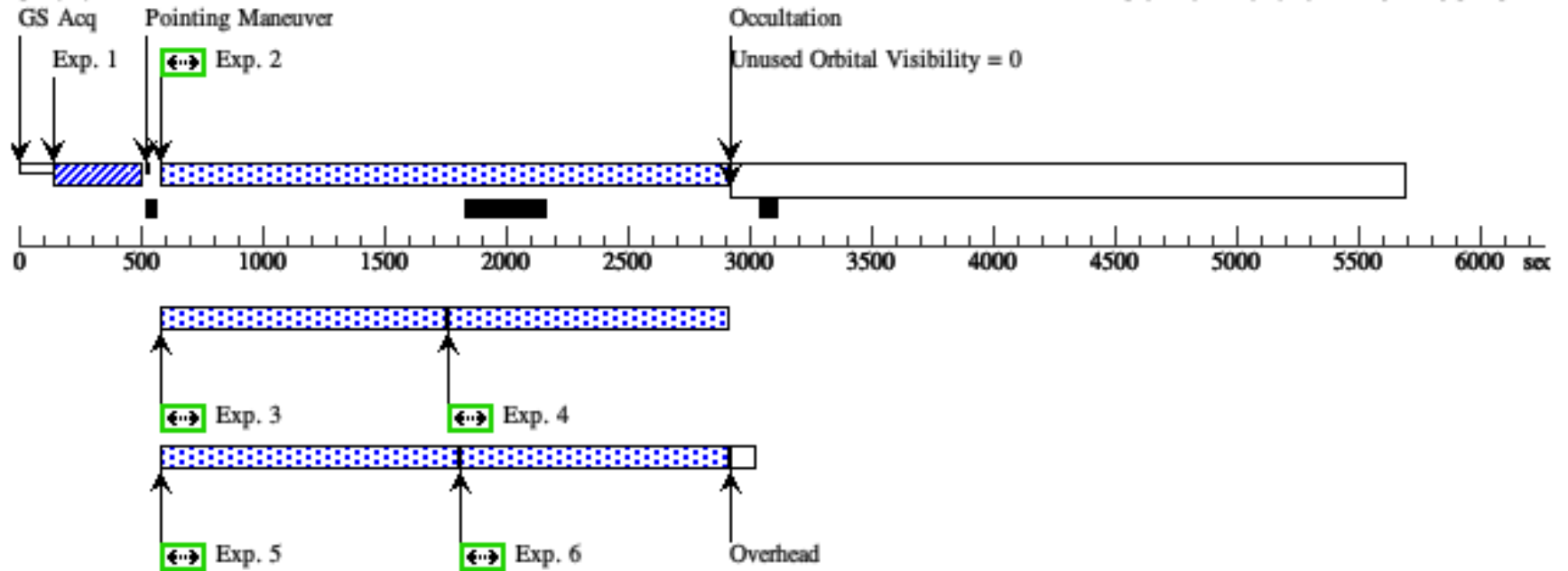
Visit	Proposal 16730, Visit 59, failed					Tue Aug 16 20:02:22 GMT 2022
	Diagnostic Status: Warning					
	Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%					
Diagnosics	(Visit 59) Warning (Form): For the best data quality, it is generally required 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.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(13)	MS01084+3859	RA: 01 11 16.5480 (17.8189500d)		V=17.4	Reference Frame: ICRS
			Dec: +39 15 2.48 (39.25069d)		GALEX FUV=18.05	
			Equinox: J2000			
		Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC, ABSORPTION LINE SYSTEM - GALACTIC] Extended=NO				

Proposal 16730 - Visit 59 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(COS.ta.153 8188)	(13) MS01084+3859	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				28.4 Secs (28.4 Secs)	
									[==>]	[1]
	2	(COS.sp.152 6533)	(13) MS01084+3859	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=36 00; FP-POS=3; SEGMENT=BOTH; FLASH=YES		Prime + Parallel Group 2-6 in Visit 59	2400 Secs (2163 Secs)	
									[==>2163.0 Secs]	[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 2-6 in Visit 59	750 Secs (967 Secs)	
									[==>967.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 2-6 in Visit 59	750 Secs (967 Secs)	
									[==>967.0 Secs]	[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 2-6 in Visit 59	900 Secs (1076 Secs)	
									[==>1076.0 Secs]	[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 2-6 in Visit 59	900 Secs (1076 Secs)	
									[==>1076.0 Secs]	[1]
	7	(COS.sp.152 6533)	(13) MS01084+3859	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=36 00; SEGMENT=BOTH; FLASH=YES; FP-POS=3		Prime + Parallel Group 7-11 in Visit 59	2400 Secs (2471 Secs)	
									[==>2471.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Visit 59	750 Secs (1074 Secs)	
									[==>1074.0 Secs]	[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 7-11 in Visit 59	750 Secs (1074 Secs)	
									[==>1074.0 Secs]	[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Visit 59	900 Secs (1116 Secs)	
									[==>1116.0 Secs]	[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 7-11 in Visit 59	900 Secs (1116 Secs)	
									[==>1116.0 Secs]	[2]
	12	(COS.sp.152 6533)	(13) MS01084+3859	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=36 00; FP-POS=4; SEGMENT=BOTH; FLASH=YES		Prime + Parallel Group 12-16 in Visit 59	2400 Secs (2468 Secs)	
									[==>2468.0 Secs]	[3]
	13		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 12-16 in Visit 59	750 Secs (1074 Secs)	
									[==>1074.0 Secs]	[3]
	14		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 12-16 in Visit 59	750 Secs (1074 Secs)	
									[==>1074.0 Secs]	[3]
	15		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 12-16 in Visit 59	900 Secs (1116 Secs)	
									[==>1116.0 Secs]	[3]
	16		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 12-16 in Visit 59	900 Secs (1116 Secs)	
									[==>1116.0 Secs]	[3]

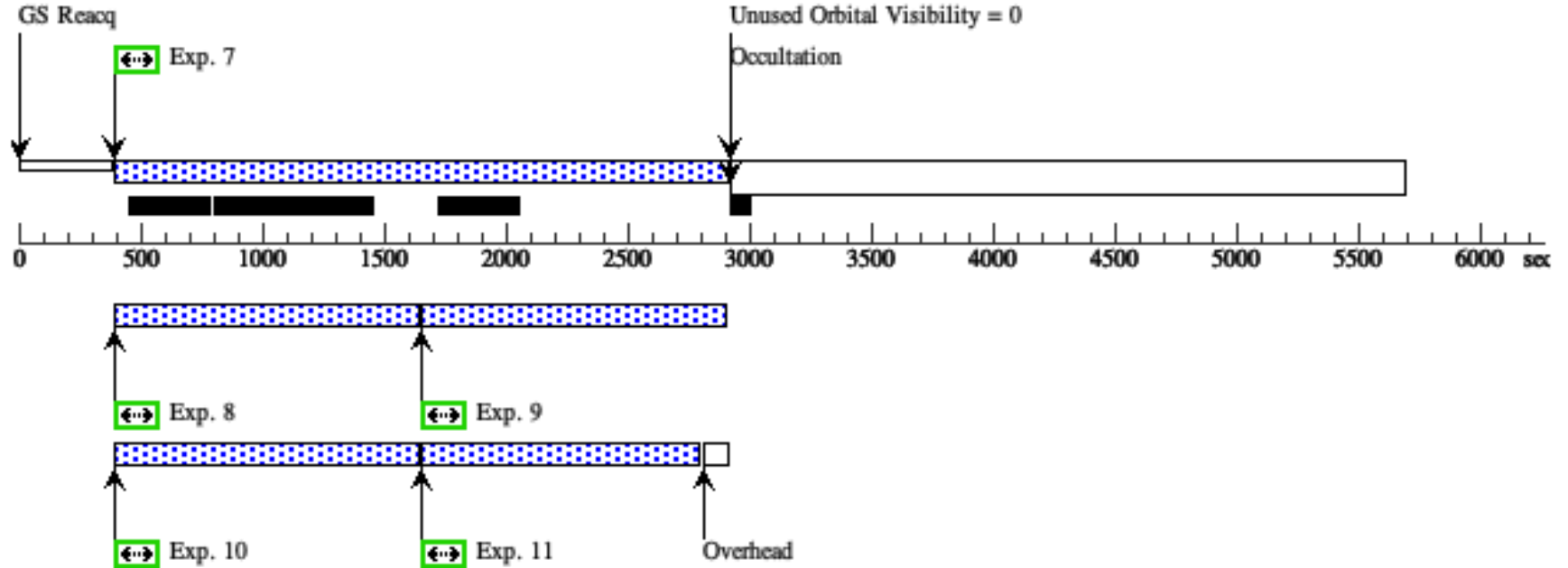
Orbit 1

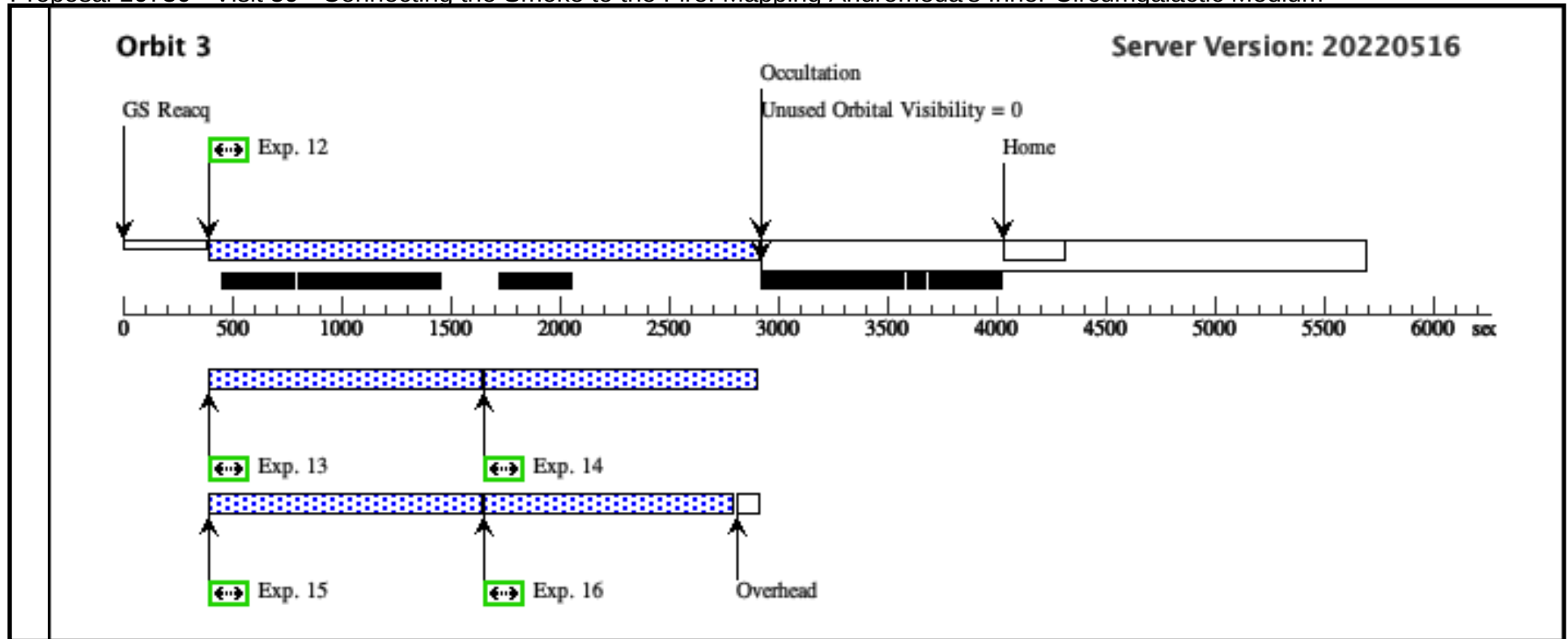
Server Version: 20220516



Orbit 2

Server Version: 20220516





Proposal 16730 - Repeat of 59 (62) - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

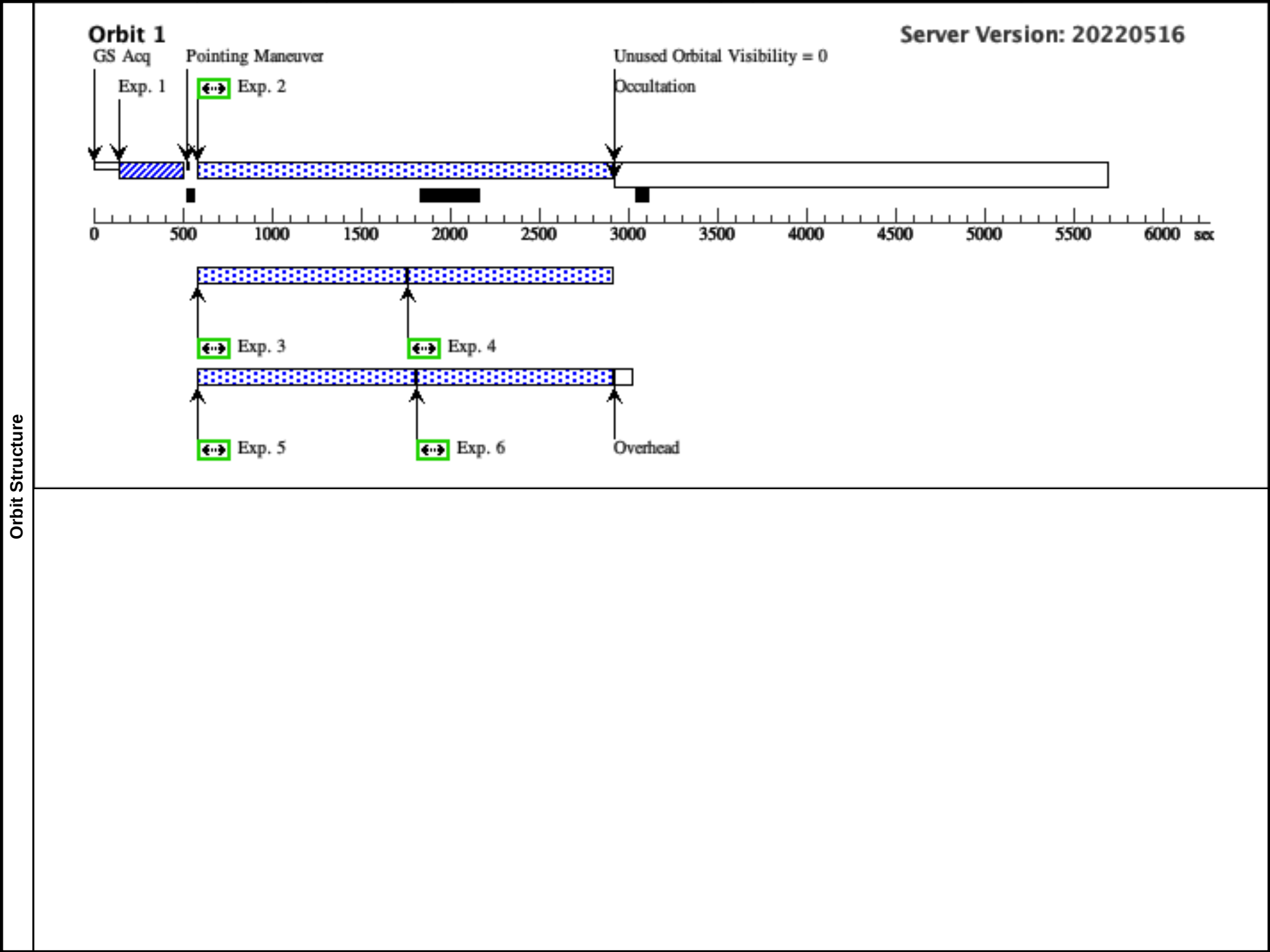
Visit	Proposal 16730, Repeat of 59 (62), completed					Tue Aug 16 20:02:23 GMT 2022
	Diagnostic Status: Warning					
	Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%					
Diagnosics	(Repeat of 59 (62)) Warning (Form): For the best data quality, it is 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.					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(13)	MS01084+3859	RA: 01 11 16.5480 (17.8189500d)		V=17.4	Reference Frame: ICRS
			Dec: +39 15 2.48 (39.25069d)		GALEX FUV=18.05	
			Equinox: J2000			
		Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC, ABSORPTION LINE SYSTEM - GALACTIC] Extended=NO				

Proposal 16730 - Repeat of 59 (62) - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(COS.ta.153 8188)	(13) MS01084+3859	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				28.4 Secs (28.4 Secs)		
									[==>]		[1]
	2	(COS.sp.152 6533)	(13) MS01084+3859	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=36 00; FP-POS=3; SEGMENT=BOTH; FLASH=YES		Prime + Parallel Group 2-6 in Repeat of 59 (62)	2400 Secs (2163 Secs)		
									[==>2163.0 Secs]		[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 2-6 in Repeat of 59 (62)	750 Secs (967 Secs)		
									[==>967.0 Secs]		[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 2-6 in Repeat of 59 (62)	750 Secs (967 Secs)		
									[==>967.0 Secs]		[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 2-6 in Repeat of 59 (62)	900 Secs (1076 Secs)		
									[==>1076.0 Secs]		[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 2-6 in Repeat of 59 (62)	900 Secs (1076 Secs)		
									[==>1076.0 Secs]		[1]
	7	(COS.sp.152 6533)	(13) MS01084+3859	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=36 00; SEGMENT=BOTH; FLASH=YES; FP-POS=3		Prime + Parallel Group 7-11 in Repeat of 59 (62)	2400 Secs (2471 Secs)		
									[==>2471.0 Secs]		[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Repeat of 59 (62)	750 Secs (1074 Secs)		
									[==>1074.0 Secs]		[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 7-11 in Repeat of 59 (62)	750 Secs (1074 Secs)		
									[==>1074.0 Secs]		[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Repeat of 59 (62)	900 Secs (1116 Secs)		
									[==>1116.0 Secs]		[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 7-11 in Repeat of 59 (62)	900 Secs (1116 Secs)		
									[==>1116.0 Secs]		[2]
	12	(COS.sp.152 6533)	(13) MS01084+3859	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=36 00; FP-POS=4; SEGMENT=BOTH; FLASH=YES		Prime + Parallel Group 12-16 in Repeat of 59 (62)	2400 Secs (2468 Secs)		
									[==>2468.0 Secs]		[3]
	13		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 12-16 in Repeat of 59 (62)	750 Secs (1074 Secs)		
									[==>1074.0 Secs]		[3]
	14		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 12-16 in Repeat of 59 (62)	750 Secs (1074 Secs)		
									[==>1074.0 Secs]		[3]
	15		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 12-16 in Repeat of 59 (62)	900 Secs (1116 Secs)		
									[==>1116.0 Secs]		[3]

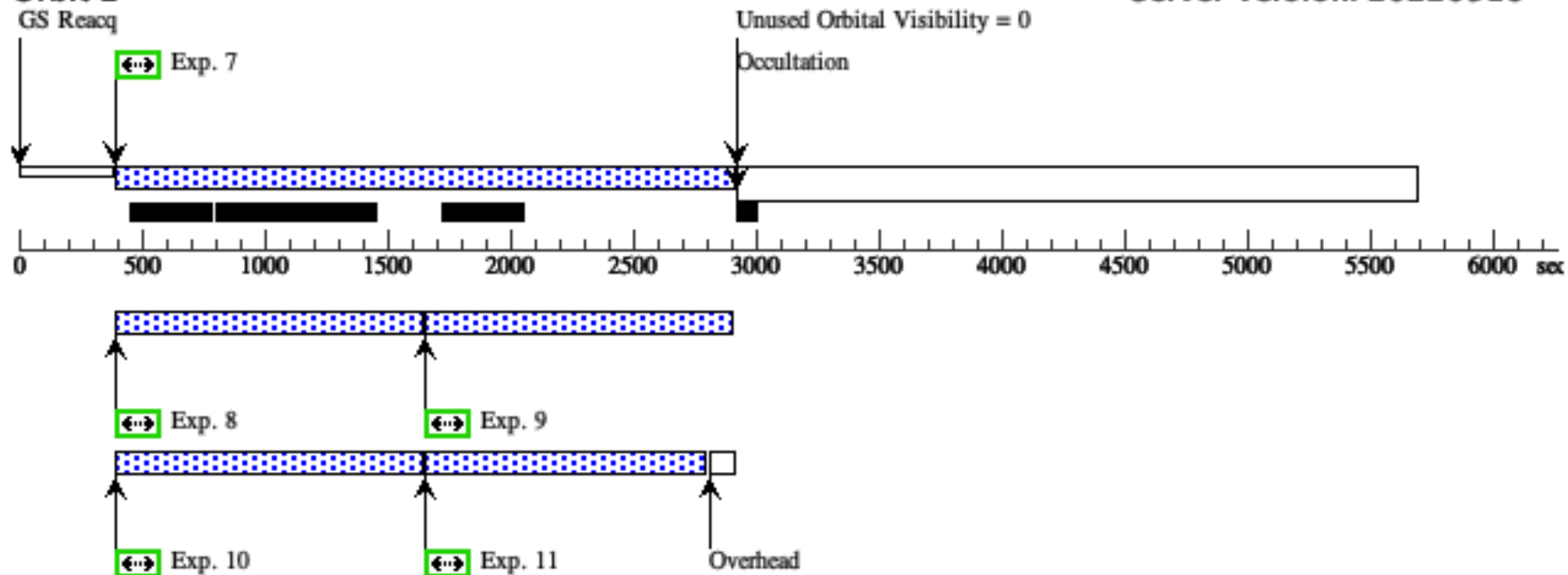
Proposal 16730 - Repeat of 59 (62) - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

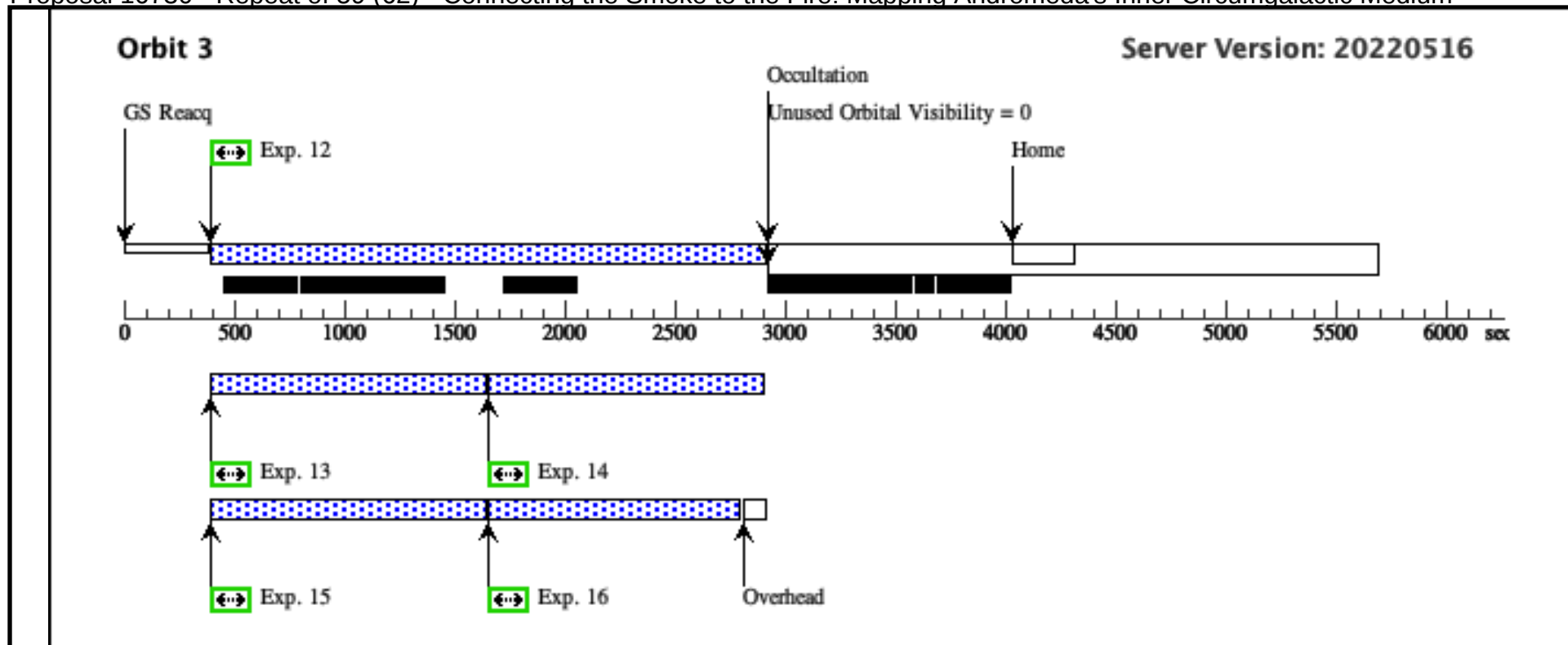
16	ANY	WFC3/UVIS, ACCUM, UVIS	F606W	Prime + Parallel Group 12-16 in Repeat of 59 (62)	900 Secs (1116 Secs)	
					[=>1116.0 Secs]	[3]



Orbit 2

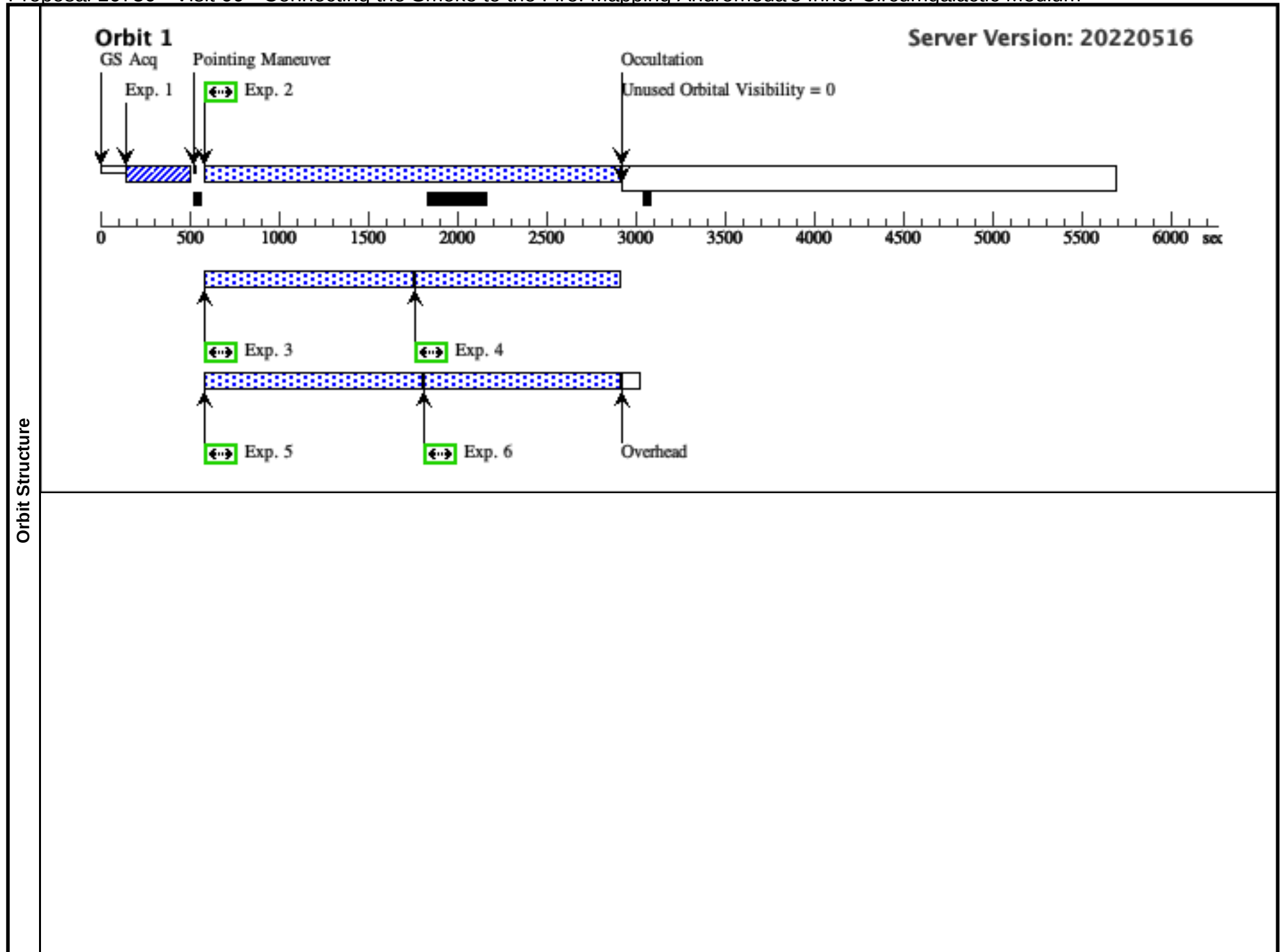
Server Version: 20220516

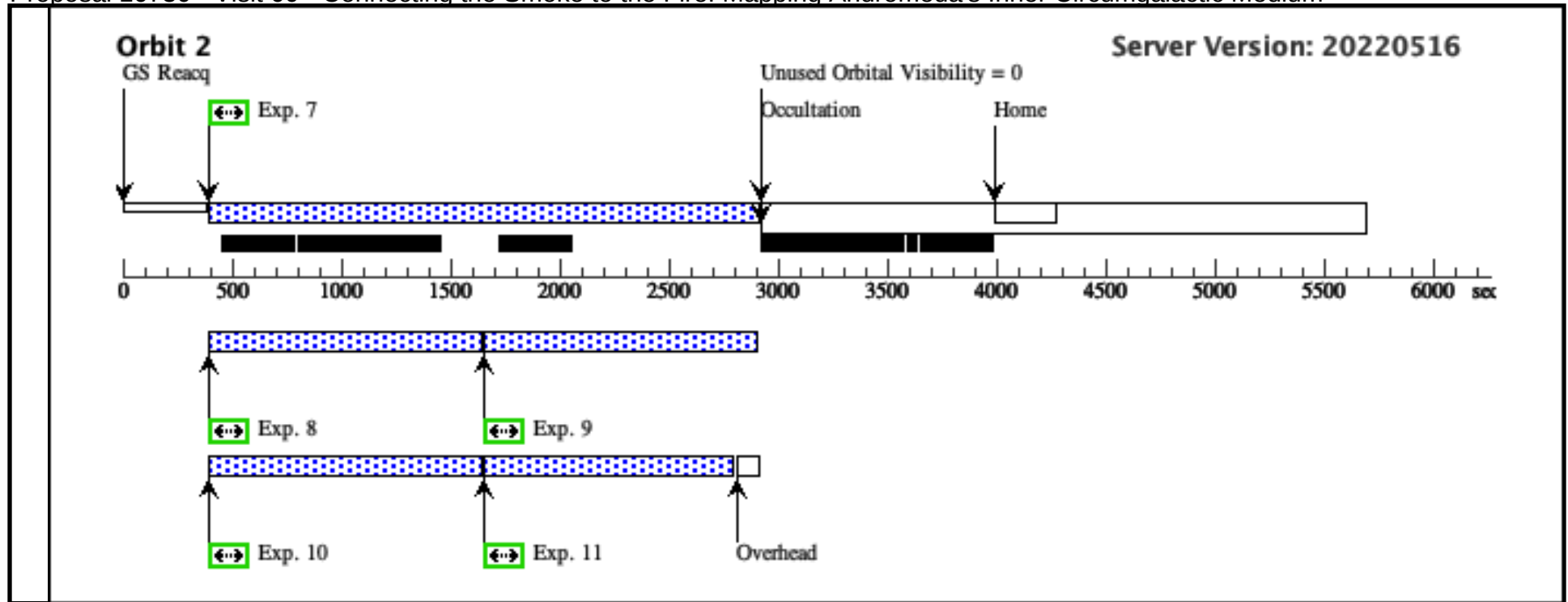




Proposal 16730 - Visit 60 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(COS.ta.153 8188)	(13) MS01084+3859	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				28.4 Secs (28.4 Secs)	
									[==>]	[1]
	2	(COS.sp.152 6543)	(13) MS01084+3859	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=80 00; SEGMENT=BOTH; FLASH=YES; FP-POS=1		Prime + Parallel Group 2-6 in Visit 60	2200 Secs (2121 Secs)	
									[==>2121.0 Secs]	[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 2-6 in Visit 60	750 Secs (967 Secs)	
									[==>967.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 2-6 in Visit 60	750 Secs (967 Secs)	
									[==>967.0 Secs]	[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 2-6 in Visit 60	900 Secs (1076 Secs)	
									[==>1076.0 Secs]	[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 2-6 in Visit 60	900 Secs (1076 Secs)	
									[==>1076.0 Secs]	[1]
	7	(COS.sp.152 6543)	(13) MS01084+3859	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=80 00; SEGMENT=BOTH; FLASH=YES; FP-POS=2		Prime + Parallel Group 7-11 in Visit 60	2470 Secs (2468 Secs)	
									[==>2468.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Visit 60	750 Secs (1074 Secs)	
									[==>1074.0 Secs]	[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 7-11 in Visit 60	750 Secs (1074 Secs)	
									[==>1074.0 Secs]	[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Visit 60	900 Secs (1116 Secs)	
									[==>1116.0 Secs]	[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 7-11 in Visit 60	900 Secs (1116 Secs)	
									[==>1116.0 Secs]	[2]





Proposal 16730 - Visit 61 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Visit	Proposal 16730, Visit 61, completed					Tue Aug 16 20:02:23 GMT 2022
	Diagnostic Status: Error					
	Scientific Instruments: WFC3/UVIS, ACS/WFC, COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%; SAME ORIENT AS 62					
Diagnostics	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 61)) Error (Form): Illegal selection: G160M.					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 61)) Error (Form): Illegal selection: PSA.					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 61)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 61)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 61)) 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).					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 61)) Error (Form): YES is not a valid selection					
	(Primary Exposure 2 (Prime + Parallel Group 2-6 in Visit 61)) Error (Form): YES is not a valid selection					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 61)) Error (Form): Illegal selection: G160M.					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 61)) Error (Form): Illegal selection: PSA.					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 61)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 61)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 61)) 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).					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 61)) Error (Form): YES is not a valid selection					
	(Primary Exposure 7 (Prime + Parallel Group 7-11 in Visit 61)) Error (Form): YES is not a valid selection					
	Fixed Targets	(Visit 61) 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.				
#		Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(13)	MS01084+3859	RA: 01 11 16.5480 (17.8189500d) Dec: +39 15 2.48 (39.25069d) Equinox: J2000		V=17.4 GALEX FUV=18.05	Reference Frame: ICRS
	Comments: Category=ISM Description=[ABSORPTION LINE SYSTEM, ABSORPTION LINE SYSTEM - EXTRAGALACTIC, ABSORPTION LINE SYSTEM - GALACTIC] Extended=NO					

Proposal 16730 - Visit 61 - Connecting the Smoke to the Fire: Mapping Andromeda's Inner Circumgalactic Medium

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(COS.ta.153 8188)	(13) MS01084+3859	COS/NUV, ACQ/IMAGE, PSA	MIRRORB				28.4 Secs (28.4 Secs)	
									[==>]	[1]
	2	(COS.sp.152 6543)	(13) MS01084+3859	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=80 00; SEGMENT=BOTH; FLASH=YES; FP-POS=3		Prime + Parallel Group 2-6 in Visit 61	2400 Secs (2121 Secs)	
									[==>2121.0 Secs]	[1]
	3		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 2-6 in Visit 61	750 Secs (967 Secs)	
									[==>967.0 Secs]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F606W			Prime + Parallel Group 2-6 in Visit 61	750 Secs (967 Secs)	
									[==>967.0 Secs]	[1]
	5		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 2-6 in Visit 61	900 Secs (1076 Secs)	
									[==>1076.0 Secs]	[1]
	6		ANY	WFC3/UVIS, ACCUM, UVIS	F606W			Prime + Parallel Group 2-6 in Visit 61	900 Secs (1076 Secs)	
									[==>1076.0 Secs]	[1]
	7	(COS.sp.152 6543)	(13) MS01084+3859	COS/FUV, TIME-TAG, PSA	G160M 1589 A	BUFFER-TIME=80 00; SEGMENT=BOTH; FLASH=YES; FP-POS=4		Prime + Parallel Group 7-11 in Visit 61	2471 Secs (2468 Secs)	
									[==>2468.0 Secs]	[2]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Visit 61	750 Secs (1102 Secs)	
									[==>1102.0 Secs]	[2]
	9		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-11 in Visit 61	750 Secs (1102 Secs)	
									[==>1102.0 Secs]	[2]
	10		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Visit 61	900 Secs (1128 Secs)	
									[==>1128.0 Secs]	[2]
	11		ANY	WFC3/UVIS, ACCUM, UVIS	F814W			Prime + Parallel Group 7-11 in Visit 61	900 Secs (1128 Secs)	
									[==>1128.0 Secs]	[2]

