



15196 - How Do Inflows and Outflows from Galaxies Create Their Inner Circumgalactic Medium?

Cycle: 25, Proposal Category: GO

(Availability Mode: SUPPORTED)

INVESTIGATORS

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VISITS

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(1) SDSSJ123700.28+255939.0	COS/FUV COS/NUV	3	07-Mar-2019 10:00:46.0	yes
02	(1) SDSSJ123700.28+255939.0	COS/FUV COS/NUV	2	07-Mar-2019 10:00:48.0	yes
52	(1) SDSSJ123700.28+255939.0	COS/FUV COS/NUV	2	07-Mar-2019 10:00:49.0	yes
03	(2) SDSSJ123540.42+260818.4	COS/FUV COS/NUV	4	07-Mar-2019 10:00:50.0	yes

Proposal 15196 (STScI Edit Number: 3, Created: Thursday, March 7, 2019 at 10:01:29 AM Eastern Standard Time) - Overview

Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
04	(2) SDSSJ123540.42+260818.4	COS/FUV COS/NUV	4	07-Mar-2019 10:00:52.0	yes
05	(2) SDSSJ123540.42+260818.4	COS/FUV COS/NUV	2	07-Mar-2019 10:00:53.0	yes
06	(3) SDSSJ123521.58+255613.5	COS/FUV COS/NUV	4	07-Mar-2019 10:00:55.0	yes
07	(3) SDSSJ123521.58+255613.5	COS/FUV COS/NUV	4	07-Mar-2019 10:00:56.0	yes
08	(4) SDSSJ123645.51+261803.7	COS/FUV COS/NUV	3	07-Mar-2019 10:00:58.0	yes
09	(4) SDSSJ123645.51+261803.7	COS/FUV COS/NUV	3	07-Mar-2019 10:00:59.0	yes
10	(5) SDSSJ123508.63+254453.1	COS/FUV COS/NUV	4	07-Mar-2019 10:01:00.0	yes
11	(5) SDSSJ123508.63+254453.1	COS/FUV COS/NUV	3	07-Mar-2019 10:01:02.0	yes
12	(5) SDSSJ123508.63+254453.1	COS/FUV COS/NUV	2	07-Mar-2019 10:01:03.0	yes
13	(6) SDSSJ123734.52+253820.0	COS/FUV COS/NUV	4	07-Mar-2019 10:01:05.0	yes
14	(7) SDSSJ123817.19+254421.6	COS/FUV COS/NUV	4	07-Mar-2019 10:01:06.0	yes
15	(7) SDSSJ123817.19+254421.6	COS/FUV COS/NUV	3	07-Mar-2019 10:01:07.0	yes
16	(21) SDSSJ101821.07+411912.3 ANY	COS/FUV COS/NUV WFC3/UVIS	4	07-Mar-2019 10:01:10.0	yes

Proposal 15196 (STScI Edit Number: 3, Created: Thursday, March 7, 2019 at 10:01:29 AM Eastern Standard Time) - Overview

Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
17	(22) SDSSJ101858.58+412455.9 ANY	COS/FUV COS/NUV WFC3/UVIS	4	07-Mar-2019 10:01:12.0	yes
18	(22) SDSSJ101858.58+412455.9 ANY	COS/FUV COS/NUV WFC3/UVIS	4	07-Mar-2019 10:01:15.0	yes
19	(22) SDSSJ101858.58+412455.9 ANY	COS/FUV COS/NUV WFC3/UVIS	2	07-Mar-2019 10:01:17.0	yes
20	(23) SDSSJ101843.13+413516.1	COS/FUV COS/NUV	4	07-Mar-2019 10:01:19.0	yes
21	(23) SDSSJ101843.13+413516.1	COS/FUV COS/NUV	3	07-Mar-2019 10:01:20.0	yes
22	(23) SDSSJ101843.13+413516.1	COS/FUV COS/NUV	2	07-Mar-2019 10:01:21.0	yes
23	(24) SDSSJ101850.52+411508.1	COS/FUV COS/NUV	4	07-Mar-2019 10:01:22.0	yes
24	(24) SDSSJ101850.52+411508.1	COS/FUV COS/NUV	3	07-Mar-2019 10:01:24.0	yes
25	(25) SDSSJ101732.66+410723.3	COS/FUV COS/NUV	2	07-Mar-2019 10:01:25.0	yes
26	(26) SDSSJ101803.55+410010.3	COS/FUV COS/NUV	4	07-Mar-2019 10:01:26.0	yes
27	(26) SDSSJ101803.55+410010.3	COS/FUV COS/NUV	4	07-Mar-2019 10:01:28.0	yes
28	(27) SDSSJ102025.83+413342.3	COS/FUV COS/NUV	2	07-Mar-2019 10:01:29.0	yes

ABSTRACT

We propose using COS to observe 7 QSO sightlines within half a virial radius each of two galaxies in order to probe their circumgalactic mediums (CGMs) along multiple sightlines. Results from higher redshift QSO absorption line surveys suggest that this is the region where most metal line absorbing gas clouds reside, but their origin remains controversial. The two spiral galaxies studied in this proposal are NGC 4565 (the Needle Galaxy) which is highly inclined ($i=86$ degrees), and NGC 3184, which has a very low inclination ($i=9$ degrees). Their orientation makes them ideal targets for looking for kinematic and metallicity signatures from outflows along the minor axis, or inflows into the disk along the major axis. For both galaxies, we will measure how HI and metal line column densities change globally with radius, and how the ionization structure of the absorbers varies with position. We predict that the HI column densities we detect will be similar to the Lyman Limit, or partial-Lyman Limit systems, and that we will be able to measure the gas metallicity in these clouds. These measurements can be used to infer whether the absorbing gas is flowing into the galaxy from the IGM (where the metallicity is lower than in the galaxy) or out of the galaxy (which should be metal enriched). Given that LLS and pLLS have been shown to have a bimodal distribution in their metallicity, we will see which of the two regimes the gas in our galaxies belong to, and even whether the bimodality can be seen in a single galaxy towards different sightlines.

OBSERVING DESCRIPTION

These are G130M observations of mostly faint QSOs. The most important absorption lines from the intervening galaxies are Lyman-alpha and SiIII 1206. As the absorbing galaxies are at low redshift, these lines remain near geocoronal Lyman-alpha. We therefore need to use the remaining G130M-1291 grating settings. We also utilize the 2 remaining FP-POS positions to mitigate the effects of large-scale defects. There will now be a gap left between 1274-1294A which can no longer be filled using a different grating setting, but few absorption lines from the intervening galaxies are expected at these wavelengths.

Target ACQs: exposure times set by assuming half the cataloged FUV GALEX flux (to account for variability), and assuming a flat spectrum.

Observations of N3184.Q1 (SDSSJ101821.07+411912.3) and N3184.Q2 (SDSSJ101858.58+412455.9) are in parallel with WFC3 UV and optical observations of the south-east of the galaxy. The two sightlines are almost at 90 degrees to the other, which means that only a small range of ORIENTS will allow the WFC3 pointings from the 2 QSOs to overlap. The optimum ORIENTs that will allow the maximum overlap are 240 degrees for N3184.Q1 and 131 degrees for N3184.Q2. Other ORIENTS within the requested RANGE will allow an overlap that has an area of more than half

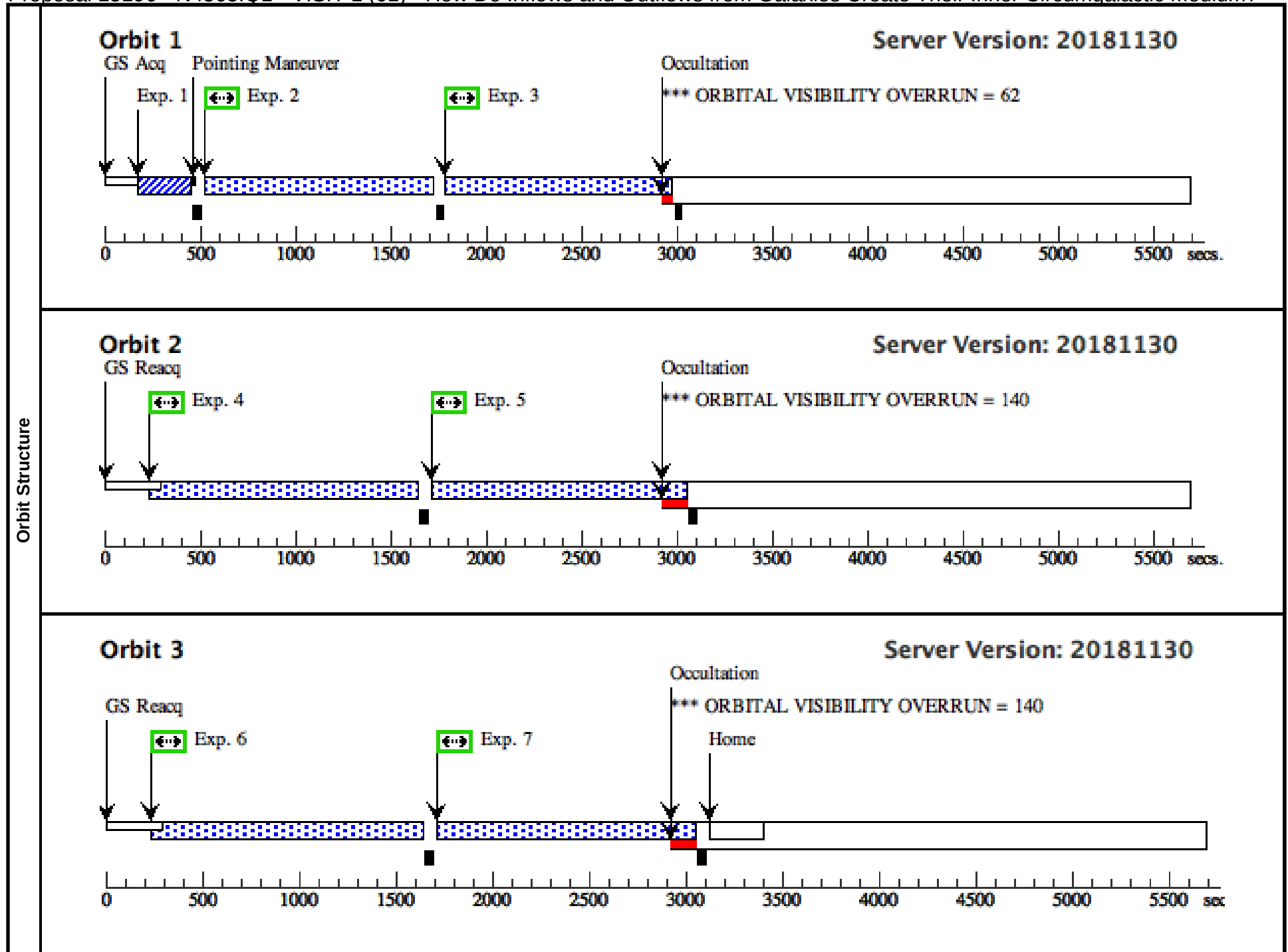
Proposal 15196 (STScI Edit Number: 3, Created: Thursday, March 7, 2019 at 10:01:29 AM Eastern Standard Time) - Overview
a chip. The spiral arm of the galaxy is also better covered for the optimum ORIENTs.

Proposal 15196 - N4565.Q1 - VISIT 1 (01) - How Do Inflows and Outflows from Galaxies Create Their Inner Circumgalactic Medium?

Visit	Proposal 15196, N4565.Q1 - VISIT 1 (01), completed					Thu Mar 07 15:01:29 GMT 2019
	Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: SCHED 100% Comments: First visit of 2, 3 of 5 orbits					
Diagnostics	(N4565.Q1 - VISIT 1 (01)) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.					
	(N4565.Q1 - VISIT 1 (01)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/IMAGE.					
	(N4565.Q1 - VISIT 1 (01)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS					
	(N4565.Q1 - VISIT 1 (01)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS					
	(N4565.Q1 - VISIT 1 (01)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(N4565.Q1 - VISIT 1 (01)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
Fixed Targets	(N4565.Q1 - VISIT 1 (01)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	SDSSJ123700.28+255939.0 Alt Name1: N4565.Q1	RA: 12 37 0.2910 (189.2512125d) Dec: +25 59 39.30 (25.99425d) Equinox: J2000		V=18.8+/-0.1 GALEX FUV = 62 micro-Jy	Reference Frame: ICRS
	Comments: Category=GALAXY Description=[SEYFERT] Extended=NO					

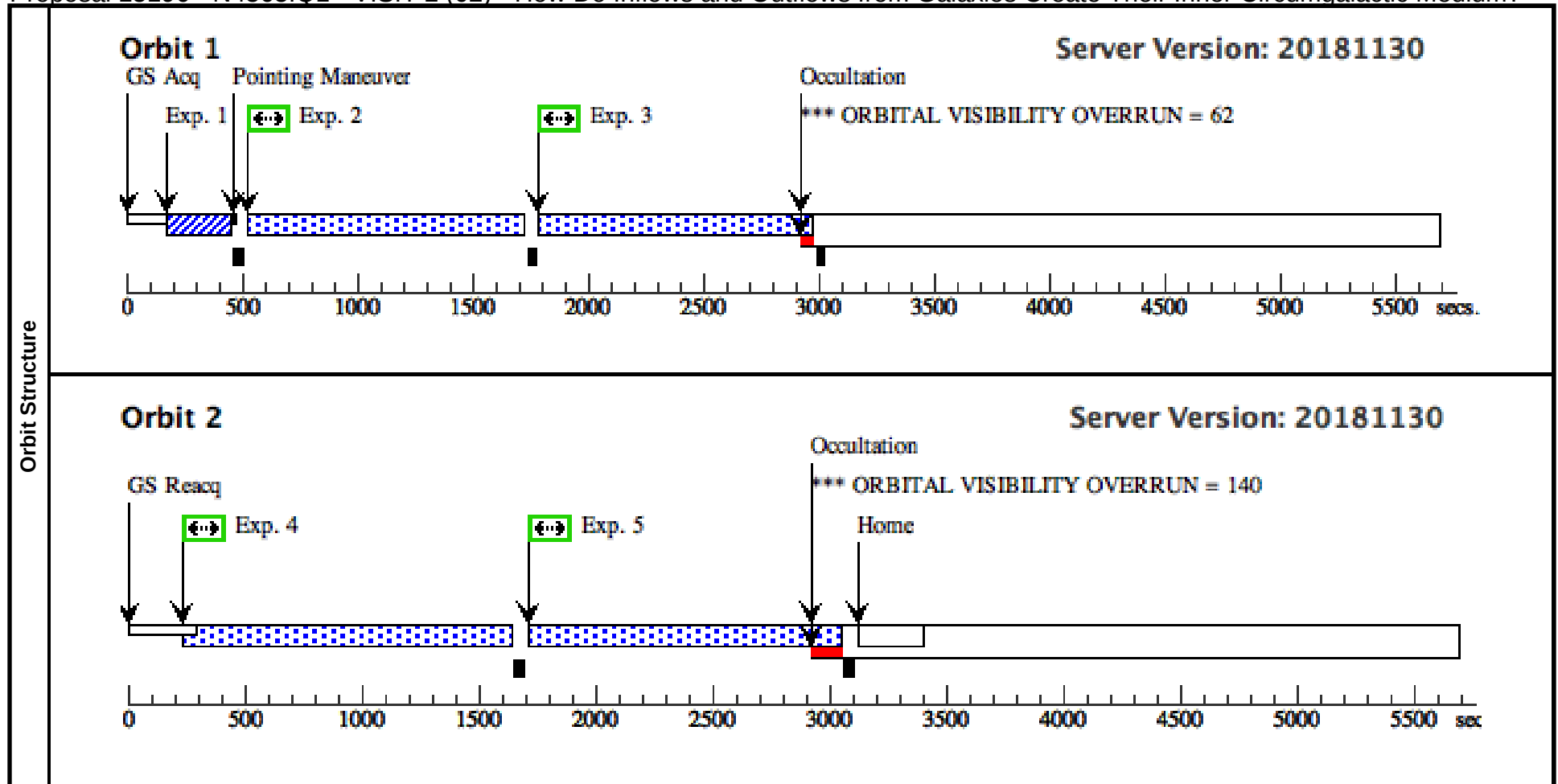
Proposal 15196 - N4565.Q1 - VISIT 1 (01) - How Do Inflows and Outflows from Galaxies Create Their Inner Circumgalactic Medium?

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	V1 - ACQ (1004609)	(1) SDSSJ123700.28 +255939.0	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				30 Secs (30 Secs) [==>]	[1]
	Comments: Exposure time for SNR = 49									
	2	V1 - Orbit 1 - FP-POS 3 (sp.1004610)	(1) SDSSJ123700.28 +255939.0	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=3; SEGMENT=BOTH; BUFFER-TIME=51 21			1000 Secs (1035 Secs) [==>1035.0 Secs]	[1]
	3	V1 - Orbit 1 - FP-POS 4 (sp.1004610)	(1) SDSSJ123700.28 +255939.0	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=4; SEGMENT=BOTH; BUFFER-TIME=51 21			1100 Secs (1135 Secs) [==>1135.0 Secs]	[1]
	4	V1 - Orbit 2 - FP-POS 3 (sp.1004610)	(1) SDSSJ123700.28 +255939.0	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=3; SEGMENT=BOTH; BUFFER-TIME=51 21			1200 Secs (1289 Secs) [==>1289.0 Secs]	[2]
	5	V1 - Orbit 2 - FP-POS 4 (sp.1004610)	(1) SDSSJ123700.28 +255939.0	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=4; SEGMENT=BOTH; BUFFER-TIME=51 21			1200 Secs (1289 Secs) [==>1289.0 Secs]	[2]
	6	V1 - Orbit 3 - FP-POS 3 (sp.1004610)	(1) SDSSJ123700.28 +255939.0	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=3; SEGMENT=BOTH; BUFFER-TIME=51 21			1200 Secs (1289 Secs) [==>1289.0 Secs]	[3]
	7	V1 - Orbit 3 - FP-POS 4 (sp.1004610)	(1) SDSSJ123700.28 +255939.0	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=4; SEGMENT=BOTH; BUFFER-TIME=51 21			1200 Secs (1289 Secs) [==>1289.0 Secs]	[3]



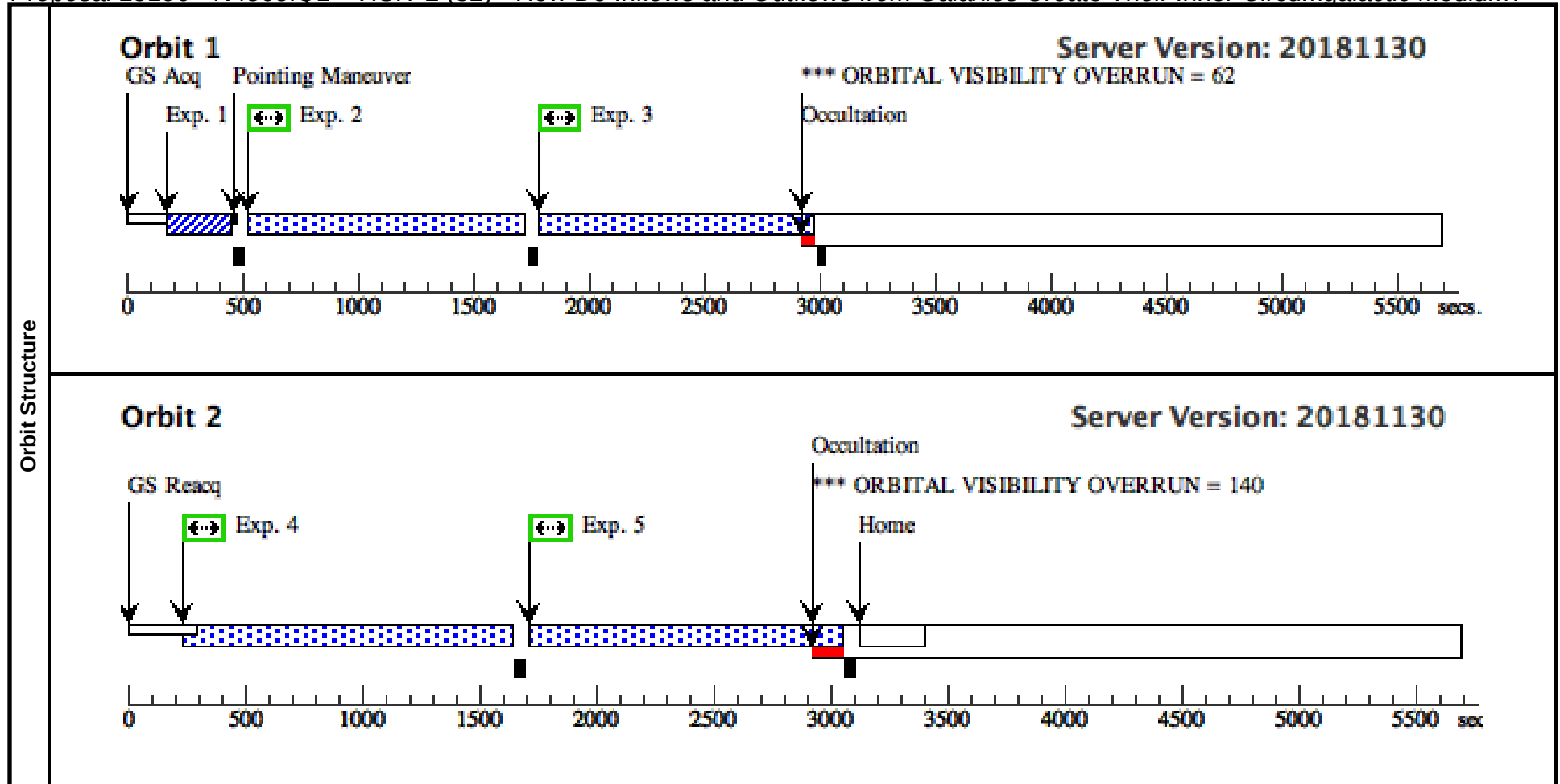
Proposal 15196 - N4565.Q1 - VISIT 2 (02) - How Do Inflows and Outflows from Galaxies Create Their Inner Circumgalactic Medium?

Visit	Proposal 15196, N4565.Q1 - VISIT 2 (02), completed										Thu Mar 07 15:01:29 GMT 2019
	Diagnostic Status: Warning										
	Scientific Instruments: COS/FUV, COS/NUV										
	Special Requirements: SCHED 100%										
	Comments: Second visit of 2, 2 of 5 orbits										
Diagnostics	(N4565.Q1 - VISIT 2 (02)) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.										
	(N4565.Q1 - VISIT 2 (02)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/IMAGE.										
	(N4565.Q1 - VISIT 2 (02)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS										
	(N4565.Q1 - VISIT 2 (02)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
	(N4565.Q1 - VISIT 2 (02)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
	(1)	SDSSJ123700.28+255939.0	RA: 12 37 0.2910 (189.2512125d)		V=18.8+/-0.1	Reference Frame: ICRS					
		Alt Name1: N4565.Q1	Dec: +25 59 39.30 (25.99425d)		GALEX FUV = 62 micro-Jy						
			Equinox: J2000								
	Comments: Category=GALAXY Description=[SEYFERT] Extended=NO										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	V2 - ACQ (1004609)	(1) SDSSJ123700.28 +255939.0	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				30 Secs (30 Secs)		
									[==>]	[1]	
	Comments: Exposure time for SNR = 49										
	2	V2 - Orbit 1 - FP-POS 3 (sp.1004610)	(1) SDSSJ123700.28 +255939.0	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=3; SEGMENT=BOTH; BUFFER-TIME=51 21			1000 Secs (1035 Secs) [==>1035.0 Secs]	[1]	
	3	V2 - Orbit 1 - FP-POS 4 (sp.1004610)	(1) SDSSJ123700.28 +255939.0	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=4; SEGMENT=BOTH; BUFFER-TIME=51 21			1100 Secs (1135 Secs) [==>1135.0 Secs]	[1]	
	4	V2 - Orbit 2 - FP-POS 3 (sp.1004610)	(1) SDSSJ123700.28 +255939.0	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=3; SEGMENT=BOTH; BUFFER-TIME=51 21			1200 Secs (1289 Secs) [==>1289.0 Secs]	[2]	
	5	V2 - Orbit 2 - FP-POS 4 (sp.1004610)	(1) SDSSJ123700.28 +255939.0	COS/FUV, TIME-TAG, PSA	G130M 1291 A	FP-POS=4; SEGMENT=BOTH; BUFFER-TIME=51 21			1200 Secs (1289 Secs) [==>1289.0 Secs]	[2]	



Proposal 15196 - N4565.Q1 - VISIT 2 (52) - How Do Inflows and Outflows from Galaxies Create Their Inner Circumgalactic Medium?

Visit	Proposal 15196, N4565.Q1 - VISIT 2 (52)										Thu Mar 07 15:01:30 GMT 2019	
	Diagnostic Status: Warning											
	Scientific Instruments: COS/FUV, COS/NUV											
	Special Requirements: SCHED 100%											
Comments: Second visit of 2, 2 of 5 orbits												
Diagnostics	(N4565.Q1 - VISIT 2 (52)) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.											
	(N4565.Q1 - VISIT 2 (52)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/IMAGE.											
	(N4565.Q1 - VISIT 2 (52)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS											
	(N4565.Q1 - VISIT 2 (52)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
	(N4565.Q1 - VISIT 2 (52)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	SDSSJ123700.28+255939.0	RA: 12 37 0.2910 (189.2512125d)					V=18.8+/-0.1		Reference Frame: ICRS		
		Alt Name1: N4565.Q1	Dec: +25 59 39.30 (25.99425d)					GALEX FUV = 62 micro-Jy				
			Equinox: J2000									
Comments: Category=GALAXY Description=[SEYFERT] Extended=NO												
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	V2 - ACQ (1004609)	(1) SDSSJ123700.28 +255939.0	COS/NUV, ACQ/IMAGE, PSA		MIRRORA				30 Secs (30 Secs)		
										[==>]		[1]
	Comments: Exposure time for SNR = 49											
	2	V2 - Orbit 1 - FP-POS 3 (sp.1004610)	(1) SDSSJ123700.28 +255939.0	COS/FUV, TIME-TAG, PSA		G130M 1291 A	FP-POS=3; SEGMENT=BOTH; BUFFER-TIME=51 21			1000 Secs (1035 Secs) [==>1035.0 Secs]		[1]
	3	V2 - Orbit 1 - FP-POS 4 (sp.1004610)	(1) SDSSJ123700.28 +255939.0	COS/FUV, TIME-TAG, PSA		G130M 1291 A	FP-POS=4; SEGMENT=BOTH; BUFFER-TIME=51 21			1100 Secs (1135 Secs) [==>1135.0 Secs]		[1]
	4	V2 - Orbit 2 - FP-POS 3 (sp.1004610)	(1) SDSSJ123700.28 +255939.0	COS/FUV, TIME-TAG, PSA		G130M 1291 A	FP-POS=3; SEGMENT=BOTH; BUFFER-TIME=51 21			1200 Secs (1289 Secs) [==>1289.0 Secs]		[2]
	5	V2 - Orbit 2 - FP-POS 4 (sp.1004610)	(1) SDSSJ123700.28 +255939.0	COS/FUV, TIME-TAG, PSA		G130M 1291 A	FP-POS=4; SEGMENT=BOTH; BUFFER-TIME=51 21			1200 Secs (1289 Secs) [==>1289.0 Secs]		[2]



Proposal 15196 - N4565.Q2 - VISIT 1 (03) - How Do Inflows and Outflows from Galaxies Create Their Inner Circumgalactic Medium?

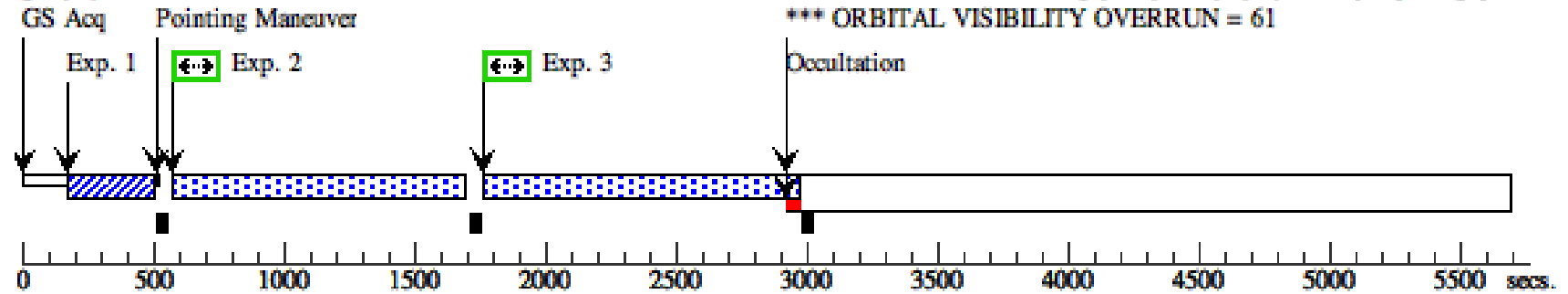
Visit	Proposal 15196, N4565.Q2 - VISIT 1 (03), completed					Thu Mar 07 15:01:30 GMT 2019
	Diagnostic Status: Warning					
	Scientific Instruments: COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%					
	Comments: First of 3 visits, 4 of 10 orbits					
Diagnostics	(N4565.Q2 - VISIT 1 (03)) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.					
	(N4565.Q2 - VISIT 1 (03)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/IMAGE.					
	(N4565.Q2 - VISIT 1 (03)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS					
	(N4565.Q2 - VISIT 1 (03)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS					
	(N4565.Q2 - VISIT 1 (03)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS					
	(N4565.Q2 - VISIT 1 (03)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(N4565.Q2 - VISIT 1 (03)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(N4565.Q2 - VISIT 1 (03)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(2)	SDSSJ123540.42+260818.4	RA: 12 35 40.4030 (188.9183458d)		V=19.9+/-0.1	Reference Frame: ICRS
		Alt Name1: N4565.Q2	Dec: +26 08 18.40 (26.13844d)		GALEX FUV = 25 micro-Jy	
			Equinox: J2000			
	Comments: Category=GALAXY Description=[QUASAR] Extended=NO					

Proposal 15196 - N4565.Q2 - VISIT 1 (03) - How Do Inflows and Outflows from Galaxies Create Their 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	V1 - ACQ (1004499)	(2) SDSSJ123540.42 +260818.4	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				56 Secs (56 Secs) [==>]	[1]
	2	V1 - Orbit 1 - FP-POS 3 (sp.1004632)	(2) SDSSJ123540.42 +260818.4	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=41 55; SEGMENT=BOTH; FP-POS=3			1000 Secs (954 Secs) [==>954.0 Secs]	[1]
	3	V1 - Orbit 1 - FP-POS 4 (sp.1004632)	(2) SDSSJ123540.42 +260818.4	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=41 55; SEGMENT=BOTH; FP-POS=4			1200 Secs (1154 Secs) [==>1154.0 Secs]	[1]
	4	V1 - Orbit 2 - FP-POS 3 (sp.1004632)	(2) SDSSJ123540.42 +260818.4	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=41 55; SEGMENT=BOTH; FP-POS=3			1200 Secs (1289 Secs) [==>1289.0 Secs]	[2]
	5	V1 - Orbit 2 - FP-POS 4 (sp.1004632)	(2) SDSSJ123540.42 +260818.4	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=41 55; SEGMENT=BOTH; FP-POS=4			1200 Secs (1289 Secs) [==>1289.0 Secs]	[2]
	6	V1 - Orbit 3 - FP-POS 3 (sp.1004632)	(2) SDSSJ123540.42 +260818.4	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=41 55; SEGMENT=BOTH; FP-POS=3			1200 Secs (1289 Secs) [==>1289.0 Secs]	[3]
	7	V1 - Orbit 3 - FP-POS 4 (sp.1004632)	(2) SDSSJ123540.42 +260818.4	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=41 55; SEGMENT=BOTH; FP-POS=4			1200 Secs (1289 Secs) [==>1289.0 Secs]	[3]
	8	V1 - Orbit 4 - FP-POS 3 (sp.1004632)	(2) SDSSJ123540.42 +260818.4	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=41 55; SEGMENT=BOTH; FP-POS=3			1200 Secs (1289 Secs) [==>1289.0 Secs]	[4]
	9	V1 - Orbit 4 - FP-POS 4 (sp.1004632)	(2) SDSSJ123540.42 +260818.4	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=41 55; SEGMENT=BOTH; FP-POS=4			1200 Secs (1289 Secs) [==>1289.0 Secs]	[4]

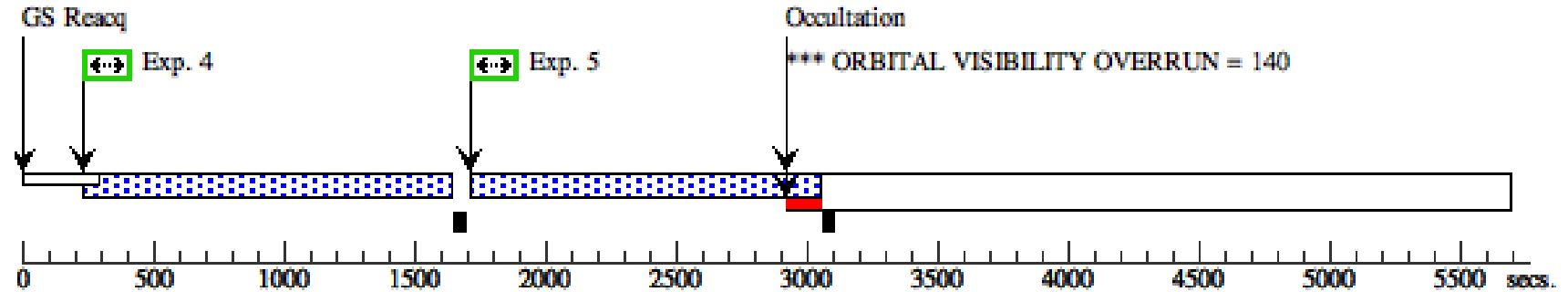
Orbit 1

Server Version: 20181130



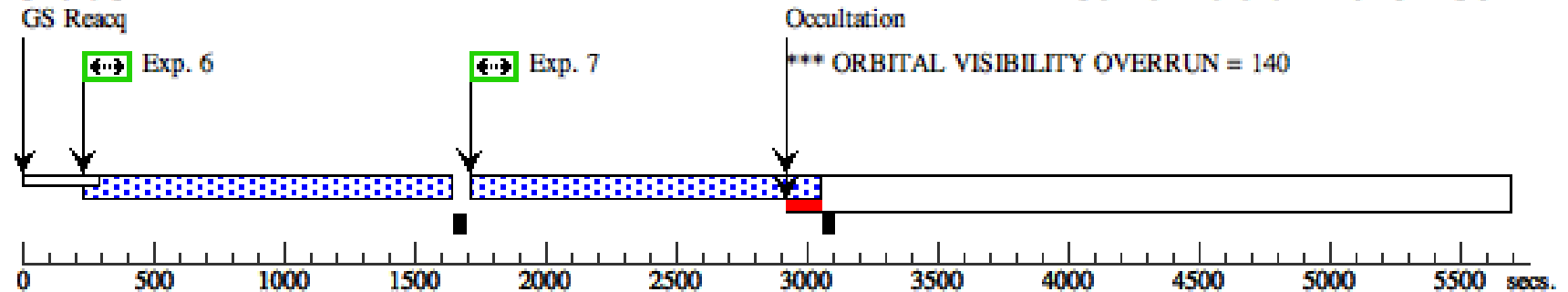
Orbit 2

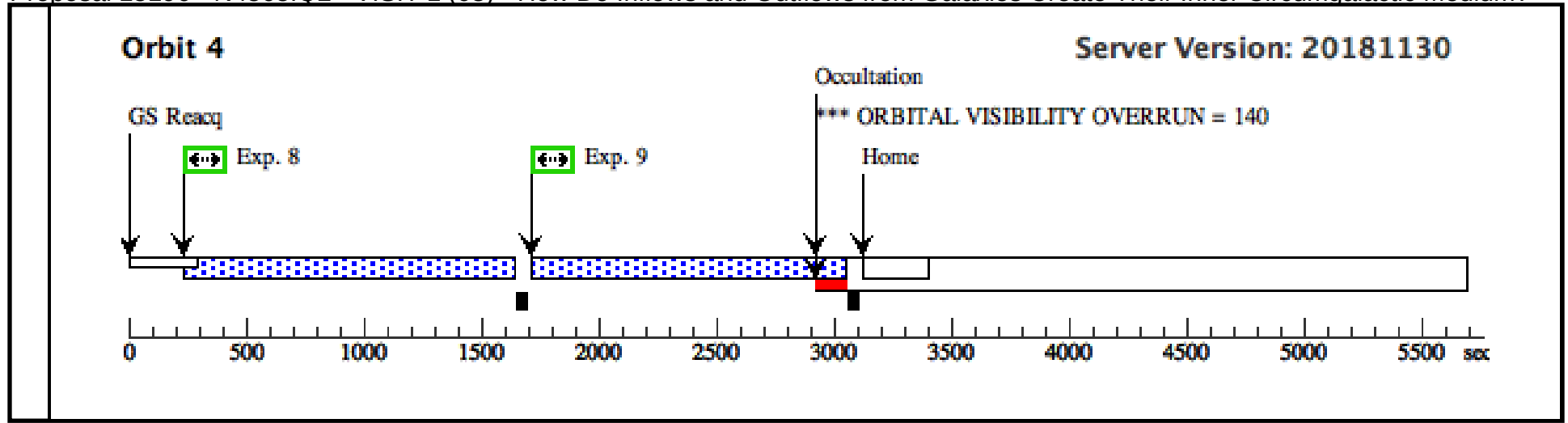
Server Version: 20181130



Orbit 3

Server Version: 20181130





Proposal 15196 - N4565.Q2 - VISIT 2 (04) - How Do Inflows and Outflows from Galaxies Create Their Inner Circumgalactic Medium?

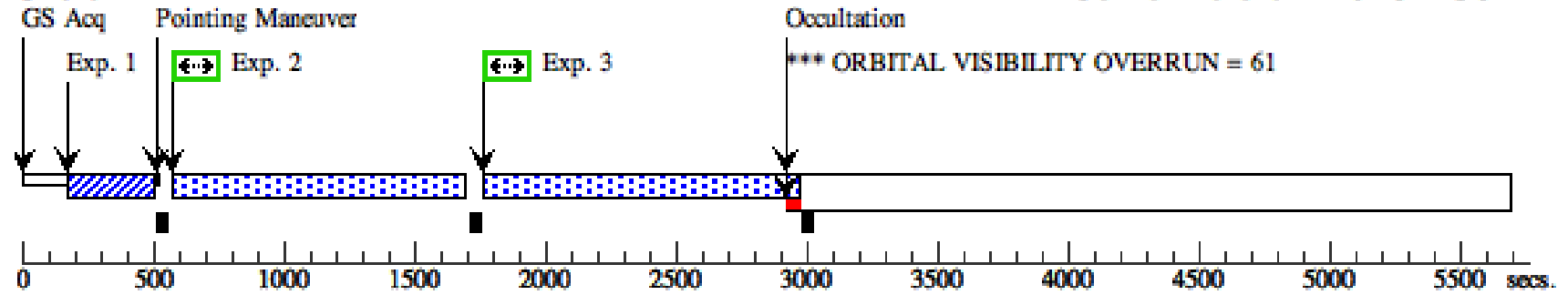
Visit	Proposal 15196, N4565.Q2 - VISIT 2 (04), completed					Thu Mar 07 15:01:30 GMT 2019
	Diagnostic Status: Warning					
	Scientific Instruments: COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%					
Comments: Second of 3 visits, 4 of 10 orbits						
Diagnostics	(N4565.Q2 - VISIT 2 (04)) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.					
	(N4565.Q2 - VISIT 2 (04)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/IMAGE.					
	(N4565.Q2 - VISIT 2 (04)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS					
	(N4565.Q2 - VISIT 2 (04)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS					
	(N4565.Q2 - VISIT 2 (04)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS					
	(N4565.Q2 - VISIT 2 (04)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(N4565.Q2 - VISIT 2 (04)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(N4565.Q2 - VISIT 2 (04)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
Fixed Targets						
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2) SDSSJ123540.42+260818.4 Alt Name1: N4565.Q2 RA: 12 35 40.4030 (188.9183458d) Dec: +26 08 18.40 (26.13844d) Equinox: J2000 V=19.9+/-0.1 GALEX FUV = 25 micro-Jy Reference Frame: ICRS						
Comments: Category=GALAXY Description=[QUASAR] Extended=NO						

Proposal 15196 - N4565.Q2 - VISIT 2 (04) - How Do Inflows and Outflows from Galaxies Create Their 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	V2 - ACQ (1004499)	(2) SDSSJ123540.42 +260818.4	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				56 Secs (56 Secs) [==>]	[1]
	2	V2 - Orbit 1 - FP-POS 3 (sp.1004632)	(2) SDSSJ123540.42 +260818.4	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=41 55; SEGMENT=BOTH; FP-POS=3			1000 Secs (954 Secs) [==>954.0 Secs]	[1]
	3	V2 - Orbit 1 - FP-POS 4 (sp.1004632)	(2) SDSSJ123540.42 +260818.4	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=41 55; SEGMENT=BOTH; FP-POS=4			1200 Secs (1154 Secs) [==>1154.0 Secs]	[1]
	4	V2 - Orbit 2 - FP-POS 3 (sp.1004632)	(2) SDSSJ123540.42 +260818.4	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=41 55; SEGMENT=BOTH; FP-POS=3			1200 Secs (1289 Secs) [==>1289.0 Secs]	[2]
	5	V2 - Orbit 2 - FP-POS 4 (sp.1004632)	(2) SDSSJ123540.42 +260818.4	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=41 55; SEGMENT=BOTH; FP-POS=4			1200 Secs (1289 Secs) [==>1289.0 Secs]	[2]
	6	V2 - Orbit 3 - FP-POS 3 (sp.1004632)	(2) SDSSJ123540.42 +260818.4	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=41 55; SEGMENT=BOTH; FP-POS=3			1200 Secs (1289 Secs) [==>1289.0 Secs]	[3]
	7	V2 - Orbit 3 - FP-POS 4 (sp.1004632)	(2) SDSSJ123540.42 +260818.4	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=41 55; SEGMENT=BOTH; FP-POS=4			1200 Secs (1289 Secs) [==>1289.0 Secs]	[3]
	8	V2 - Orbit 4 - FP-POS 3 (sp.1004632)	(2) SDSSJ123540.42 +260818.4	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=41 55; SEGMENT=BOTH; FP-POS=3			1200 Secs (1289 Secs) [==>1289.0 Secs]	[4]
	9	V2 - Orbit 4 - FP-POS 4 (sp.1004632)	(2) SDSSJ123540.42 +260818.4	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=41 55; SEGMENT=BOTH; FP-POS=4			1200 Secs (1289 Secs) [==>1289.0 Secs]	[4]

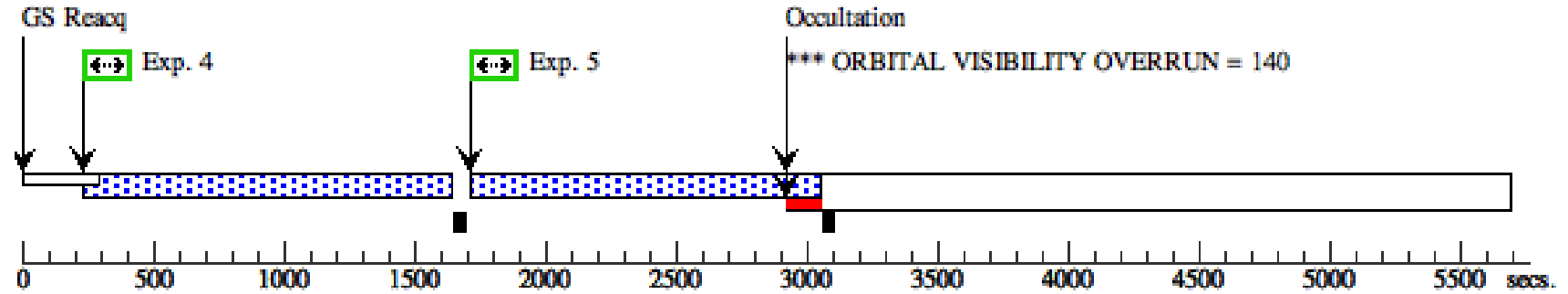
Orbit 1

Server Version: 20181130



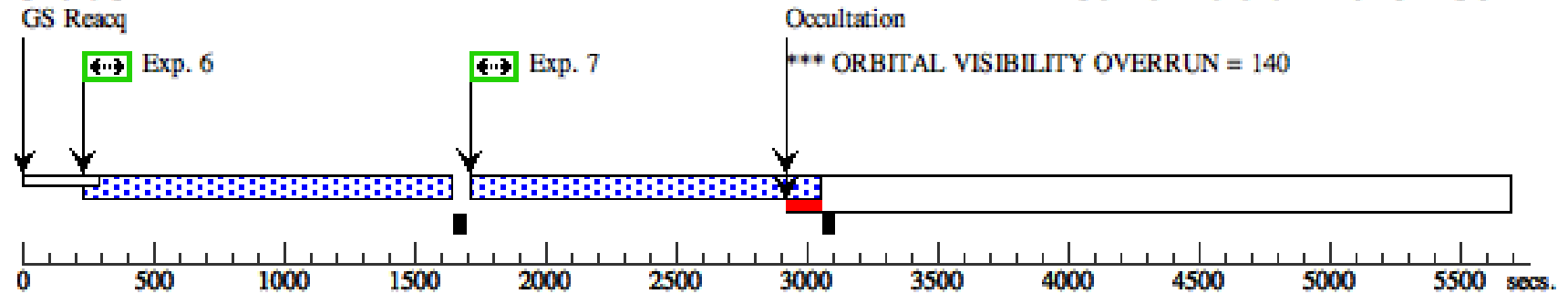
Orbit 2

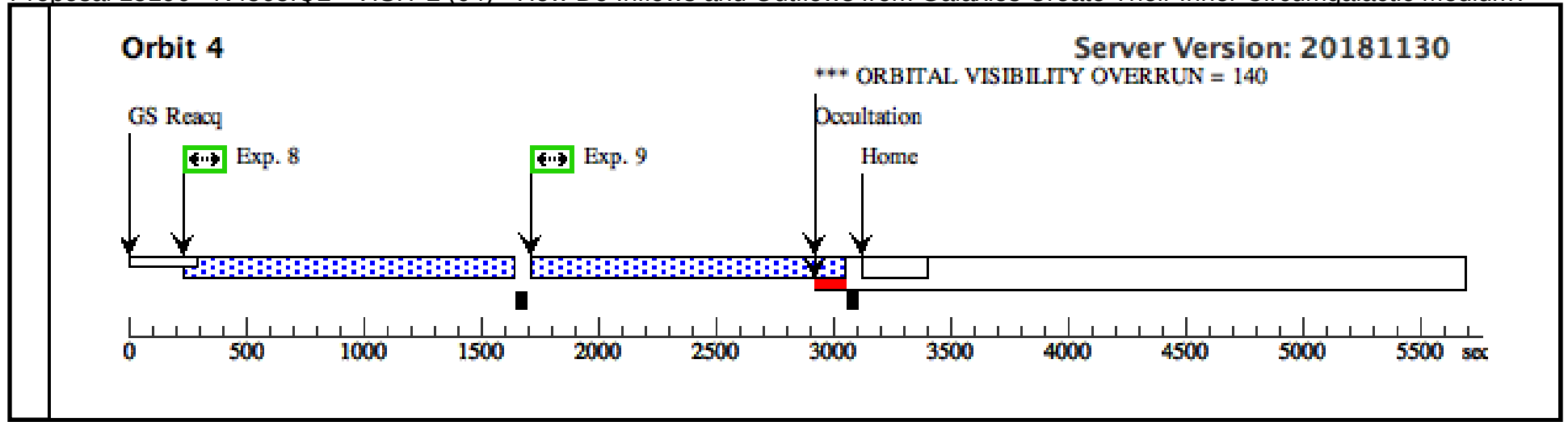
Server Version: 20181130



Orbit 3

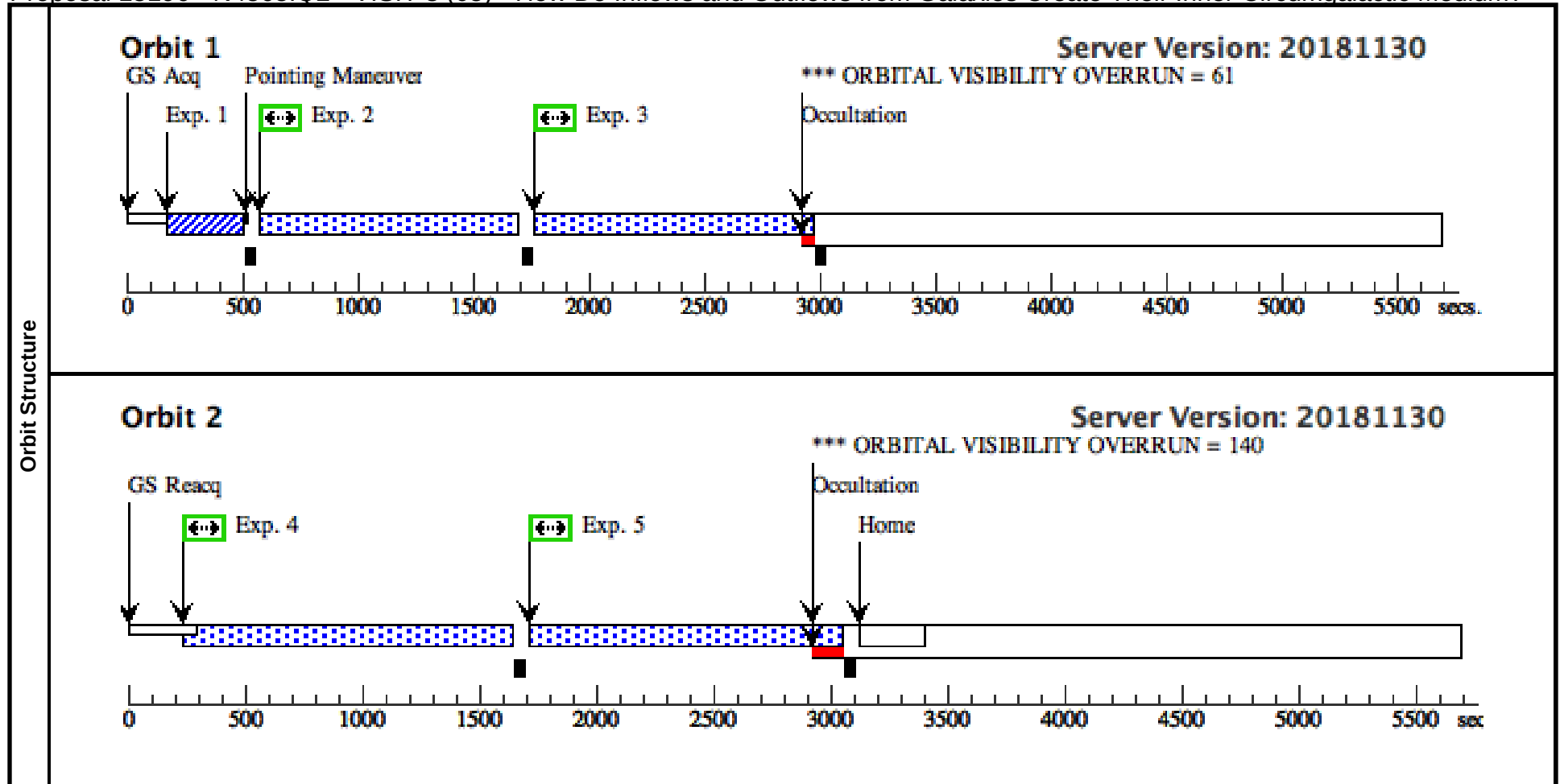
Server Version: 20181130





Proposal 15196 - N4565.Q2 - VISIT 3 (05) - How Do Inflows and Outflows from Galaxies Create Their Inner Circumgalactic Medium?

Visit	Proposal 15196, N4565.Q2 - VISIT 3 (05), completed						Thu Mar 07 15:01:30 GMT 2019			
	Diagnostic Status: Warning									
	Scientific Instruments: COS/FUV, COS/NUV									
	Special Requirements: SCHED 100%									
Comments: Third of 3 visits, 2 of 10 orbits										
Diagnostics	(N4565.Q2 - VISIT 3 (05)) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.									
	(N4565.Q2 - VISIT 3 (05)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/IMAGE.									
	(N4565.Q2 - VISIT 3 (05)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS									
	(N4565.Q2 - VISIT 3 (05)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
	(N4565.Q2 - VISIT 3 (05)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	SDSSJ123540.42+260818.4	RA: 12 35 40.4030 (188.9183458d)		V=19.9+/-0.1	Reference Frame: ICRS				
		Alt Name1: N4565.Q2	Dec: +26 08 18.40 (26.13844d)		GALEX FUV = 25 micro-Jy					
	Equinox: J2000									
Comments: Category=GALAXY Description=[QUASAR] Extended=NO										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	V3 - ACQ (1004499)	(2) SDSSJ123540.42 +260818.4	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				56 Secs (56 Secs)	
									[==>]	[1]
	2	V3 - Orbit 1 - FP-POS 3 (sp.1004632)	(2) SDSSJ123540.42 +260818.4	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=41 55; SEGMENT=BOTH; FP-POS=3			1000 Secs (954 Secs)	
									[==>954.0 Secs]	[1]
	3	V3 - Orbit 1 - FP-POS 4 (sp.1004632)	(2) SDSSJ123540.42 +260818.4	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=41 55; SEGMENT=BOTH; FP-POS=4			1200 Secs (1154 Secs)	
									[==>1154.0 Secs]	[1]
	4	V3 - Orbit 2 - FP-POS 3 (sp.1004632)	(2) SDSSJ123540.42 +260818.4	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=41 55; SEGMENT=BOTH; FP-POS=3			1200 Secs (1289 Secs)	
									[==>1289.0 Secs]	[2]
	5	V3 - Orbit 2 - FP-POS 4 (sp.1004632)	(2) SDSSJ123540.42 +260818.4	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=41 55; SEGMENT=BOTH; FP-POS=4			1200 Secs (1289 Secs)	
								[==>1289.0 Secs]	[2]	

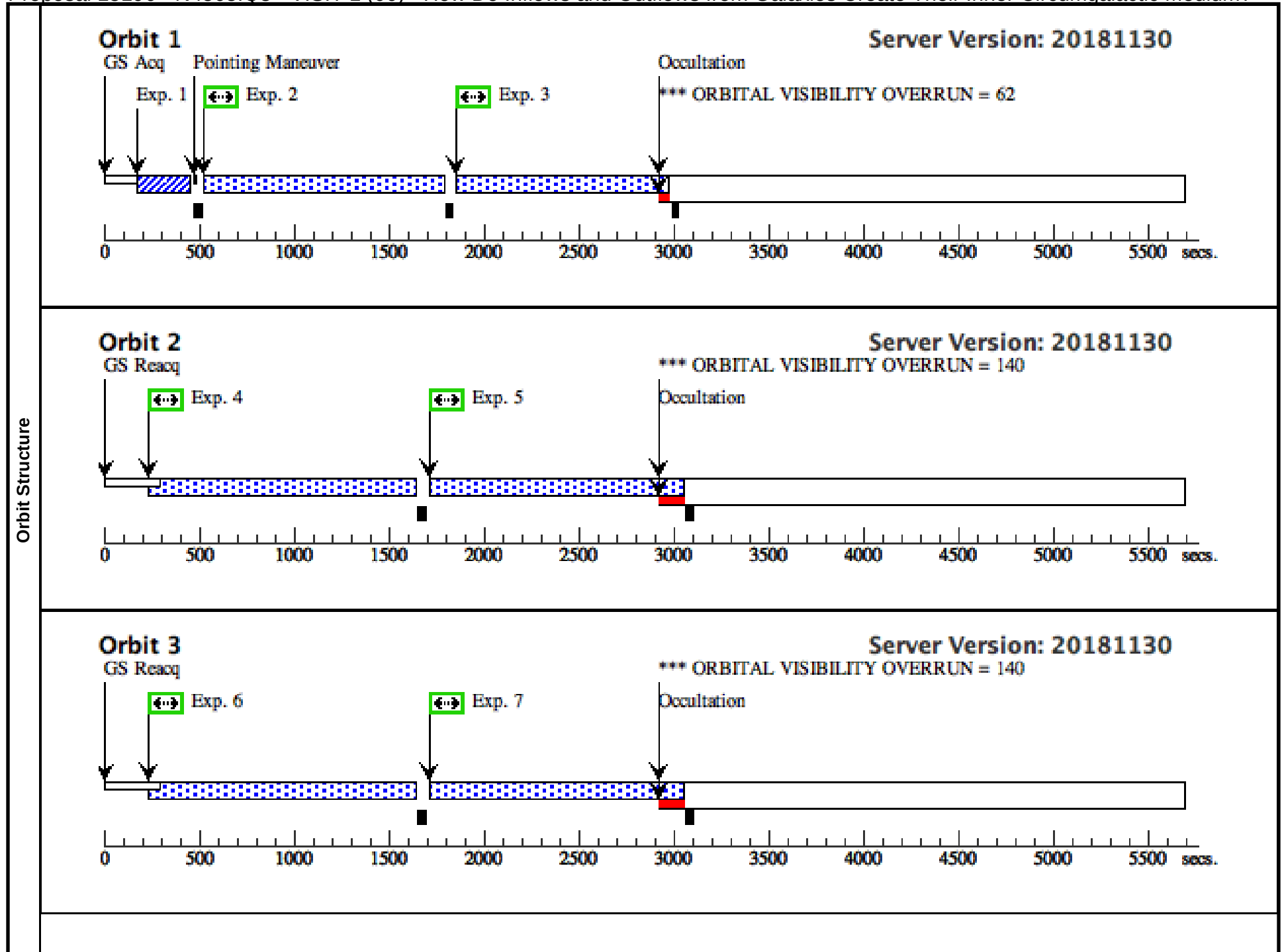


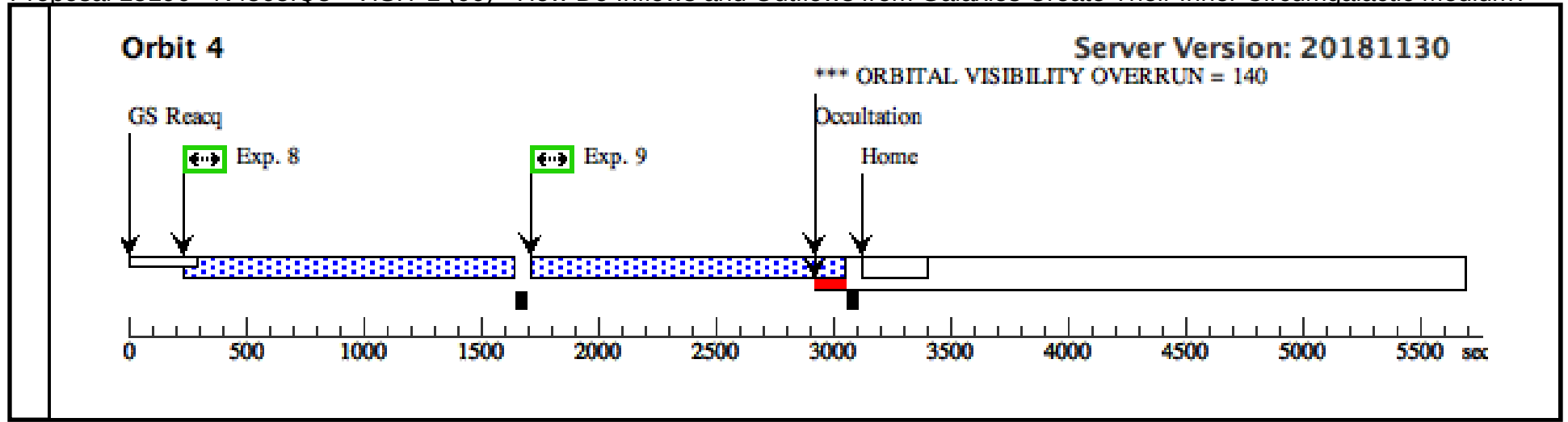
Proposal 15196 - N4565.Q3 - VISIT 1 (06) - How Do Inflows and Outflows from Galaxies Create Their Inner Circumgalactic Medium?

Visit	Proposal 15196, N4565.Q3 - VISIT 1 (06), completed					Thu Mar 07 15:01:30 GMT 2019
	Diagnostic Status: Warning					
	Scientific Instruments: COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%					
	Comments: First of 2 visits, 4 or 8 orbits					
Diagnostics	(N4565.Q3 - VISIT 1 (06)) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.					
	(N4565.Q3 - VISIT 1 (06)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/IMAGE.					
	(N4565.Q3 - VISIT 1 (06)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS					
	(N4565.Q3 - VISIT 1 (06)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS					
	(N4565.Q3 - VISIT 1 (06)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS					
	(N4565.Q3 - VISIT 1 (06)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(N4565.Q3 - VISIT 1 (06)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(N4565.Q3 - VISIT 1 (06)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(N4565.Q3 - VISIT 1 (06)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(3)	SDSSJ123521.58+255613.5	RA: 12 35 21.5640 (188.8398500d)		V=18.4+/-0.1	Reference Frame: ICRS
		Alt Name1: N4565.Q3	Dec: +25 56 13.30 (25.93703d)		GALEX FUV = 38 micro-Jy	
			Equinox: J2000			
	Comments: Category=GALAXY Description=[SEYFERT, STARBURST] Extended=NO					

Proposal 15196 - N4565.Q3 - VISIT 1 (06) - How Do Inflows and Outflows from Galaxies Create Their 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	V1 - ACQ (1004500)	(3) SDSSJ123521.58 +255613.5	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				32 Secs (32 Secs) [==>]	[1]
	<i>Comments: The UV source appears to be point-like in GALEX image, but in the optical the source is clearly an extended galaxy.</i>									
	2	V1 - Orbit 1 - FP-POS 3 (sp.1004634)	(3) SDSSJ123521.58 +255613.5	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=53 50; SEGMENT=BOTH; FP-POS=3			1100 Secs (1100 Secs) [==>]	[1]
	3	V1 - Orbit 1 - FP-POS 4 (sp.1004634)	(3) SDSSJ123521.58 +255613.5	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=53 50; SEGMENT=BOTH; FP-POS=4			1000 Secs (1066 Secs) [==>1066.0 Secs]	[1]
	4	V1 - Orbit 2 - FP-POS 3 (sp.1004634)	(3) SDSSJ123521.58 +255613.5	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=53 50; SEGMENT=BOTH; FP-POS=3			1200 Secs (1289 Secs) [==>1289.0 Secs]	[2]
	5	V1 - Orbit 2 - FP-POS 4 (sp.1004634)	(3) SDSSJ123521.58 +255613.5	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=53 50; SEGMENT=BOTH; FP-POS=4			1200 Secs (1289 Secs) [==>1289.0 Secs]	[2]
	6	V1 - Orbit 3 - FP-POS 3 (sp.1004634)	(3) SDSSJ123521.58 +255613.5	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=53 50; SEGMENT=BOTH; FP-POS=3			1200 Secs (1289 Secs) [==>1289.0 Secs]	[3]
	7	V1 - Orbit 3 - FP-POS 4 (sp.1004634)	(3) SDSSJ123521.58 +255613.5	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=53 50; SEGMENT=BOTH; FP-POS=4			1200 Secs (1289 Secs) [==>1289.0 Secs]	[3]
	8	V1 - Orbit 4 - FP-POS 3 (sp.1004634)	(3) SDSSJ123521.58 +255613.5	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=53 50; SEGMENT=BOTH; FP-POS=3			1200 Secs (1289 Secs) [==>1289.0 Secs]	[4]
	9	V1 - Orbit 4 - FP-POS 4 (sp.1004634)	(3) SDSSJ123521.58 +255613.5	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=53 50; SEGMENT=BOTH; FP-POS=4			1200 Secs (1289 Secs) [==>1289.0 Secs]	[4]





Proposal 15196 - N4565.Q3 - VISIT 2 (07) - How Do Inflows and Outflows from Galaxies Create Their Inner Circumgalactic Medium?

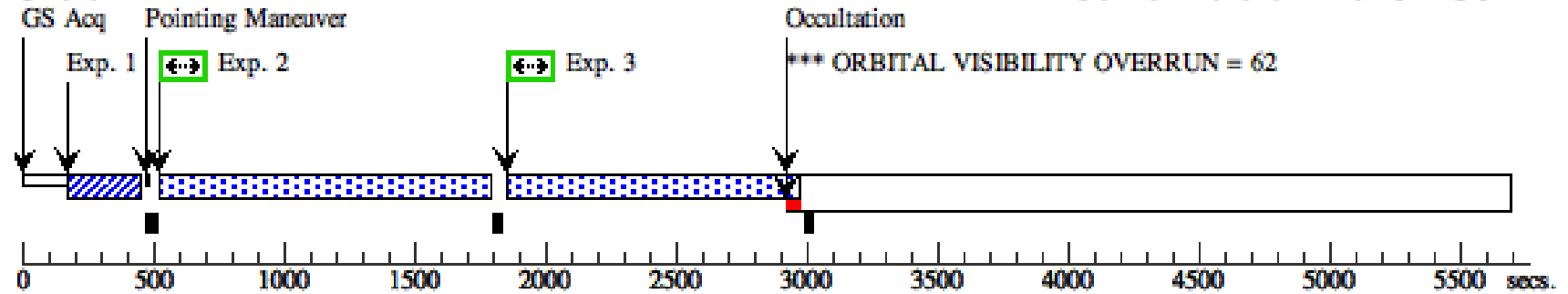
Visit	Proposal 15196, N4565.Q3 - VISIT 2 (07), completed					Thu Mar 07 15:01:30 GMT 2019
	Diagnostic Status: Warning					
	Scientific Instruments: COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%					
	Comments: Second of 2 visits, 4 or 8 orbits					
Diagnostics	(N4565.Q3 - VISIT 2 (07)) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.					
	(N4565.Q3 - VISIT 2 (07)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/IMAGE.					
	(N4565.Q3 - VISIT 2 (07)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS					
	(N4565.Q3 - VISIT 2 (07)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS					
	(N4565.Q3 - VISIT 2 (07)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS					
	(N4565.Q3 - VISIT 2 (07)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(N4565.Q3 - VISIT 2 (07)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(N4565.Q3 - VISIT 2 (07)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(3)	SDSSJ123521.58+255613.5	RA: 12 35 21.5640 (188.8398500d)		V=18.4+/-0.1	Reference Frame: ICRS
		Alt Name1: N4565.Q3	Dec: +25 56 13.30 (25.93703d)		GALEX FUV = 38 micro-Jy	
			Equinox: J2000			
	Comments: Category=GALAXY Description=[SEYFERT, STARBURST] Extended=NO					

Proposal 15196 - N4565.Q3 - VISIT 2 (07) - How Do Inflows and Outflows from Galaxies Create Their 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	V2 - ACQ (1004500)	(3) SDSSJ123521.58 +255613.5	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				32 Secs (32 Secs) [==>]	[1]
	<i>Comments: The UV source appears to be point-like in GALEX image, but in the optical the source is clearly an extended galaxy.</i>									
	2	V2 - Orbit 1 - FP-POS 3 (sp.1004634)	(3) SDSSJ123521.58 +255613.5	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=53 50; SEGMENT=BOTH; FP-POS=3			1100 Secs (1100 Secs) [==>]	[1]
	3	V2 - Orbit 1 - FP-POS 4 (sp.1004634)	(3) SDSSJ123521.58 +255613.5	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=53 50; SEGMENT=BOTH; FP-POS=4			1000 Secs (1066 Secs) [==>1066.0 Secs]	[1]
	4	V2 - Orbit 2 - FP-POS 3 (sp.1004634)	(3) SDSSJ123521.58 +255613.5	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=53 50; SEGMENT=BOTH; FP-POS=3			1200 Secs (1289 Secs) [==>1289.0 Secs]	[2]
	5	V2 - Orbit 2 - FP-POS 4 (sp.1004634)	(3) SDSSJ123521.58 +255613.5	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=53 50; SEGMENT=BOTH; FP-POS=4			1200 Secs (1289 Secs) [==>1289.0 Secs]	[2]
	6	V2 - Orbit 3 - FP-POS 3 (sp.1004634)	(3) SDSSJ123521.58 +255613.5	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=53 50; SEGMENT=BOTH; FP-POS=3			1200 Secs (1289 Secs) [==>1289.0 Secs]	[3]
	7	V2 - Orbit 3 - FP-POS 4 (sp.1004634)	(3) SDSSJ123521.58 +255613.5	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=53 50; SEGMENT=BOTH; FP-POS=4			1200 Secs (1289 Secs) [==>1289.0 Secs]	[3]
	8	V2 - Orbit 4 - FP-POS 3 (sp.1004634)	(3) SDSSJ123521.58 +255613.5	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=53 50; SEGMENT=BOTH; FP-POS=3			1200 Secs (1289 Secs) [==>1289.0 Secs]	[4]
	9	V2 - Orbit 4 - FP-POS 4 (sp.1004634)	(3) SDSSJ123521.58 +255613.5	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=53 50; SEGMENT=BOTH; FP-POS=4			1200 Secs (1289 Secs) [==>1289.0 Secs]	[4]

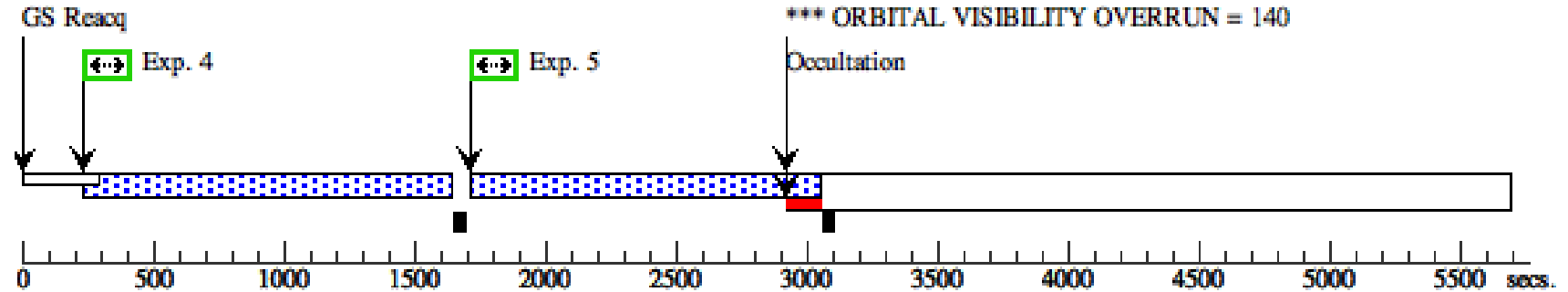
Orbit 1

Server Version: 20181130



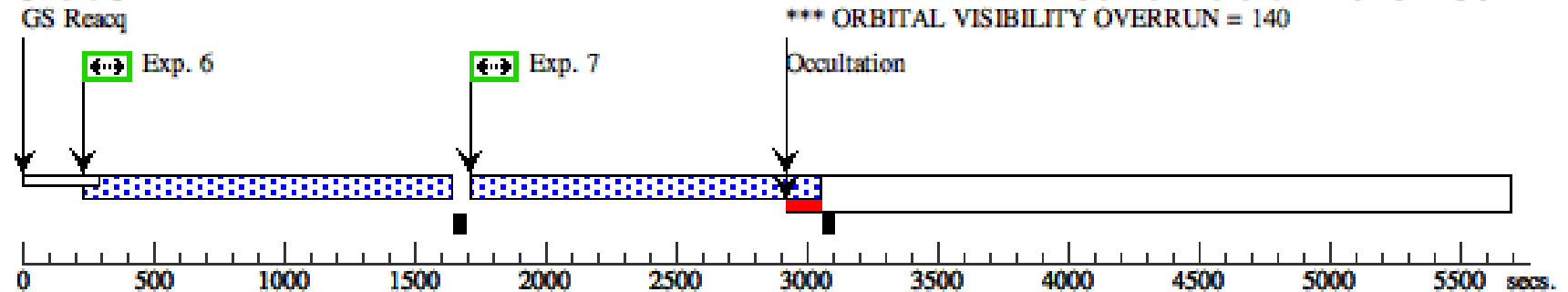
Orbit 2

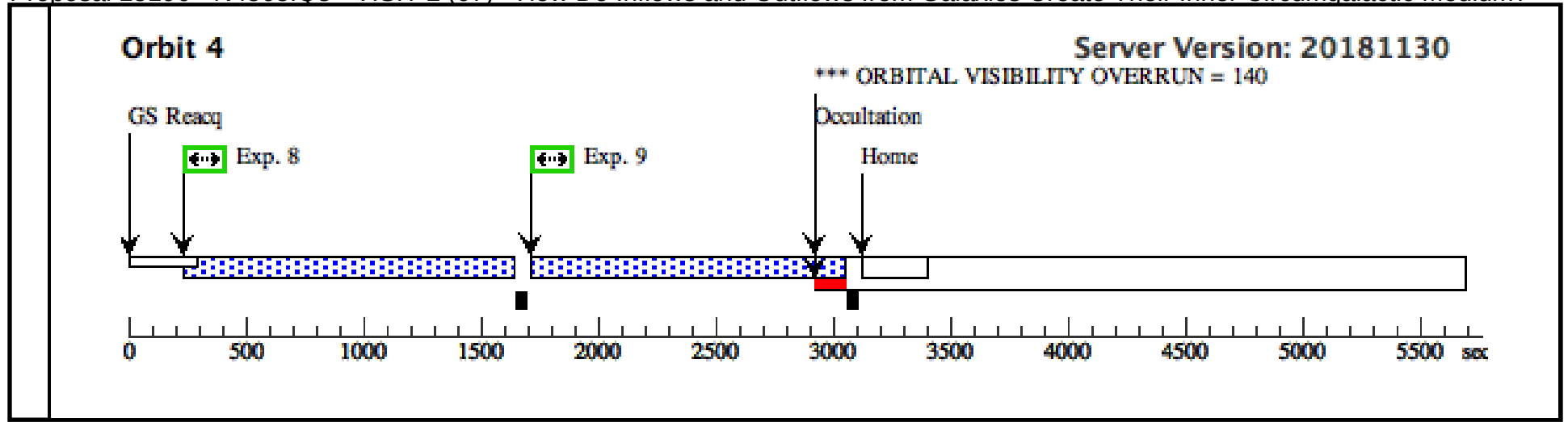
Server Version: 20181130



Orbit 3

Server Version: 20181130



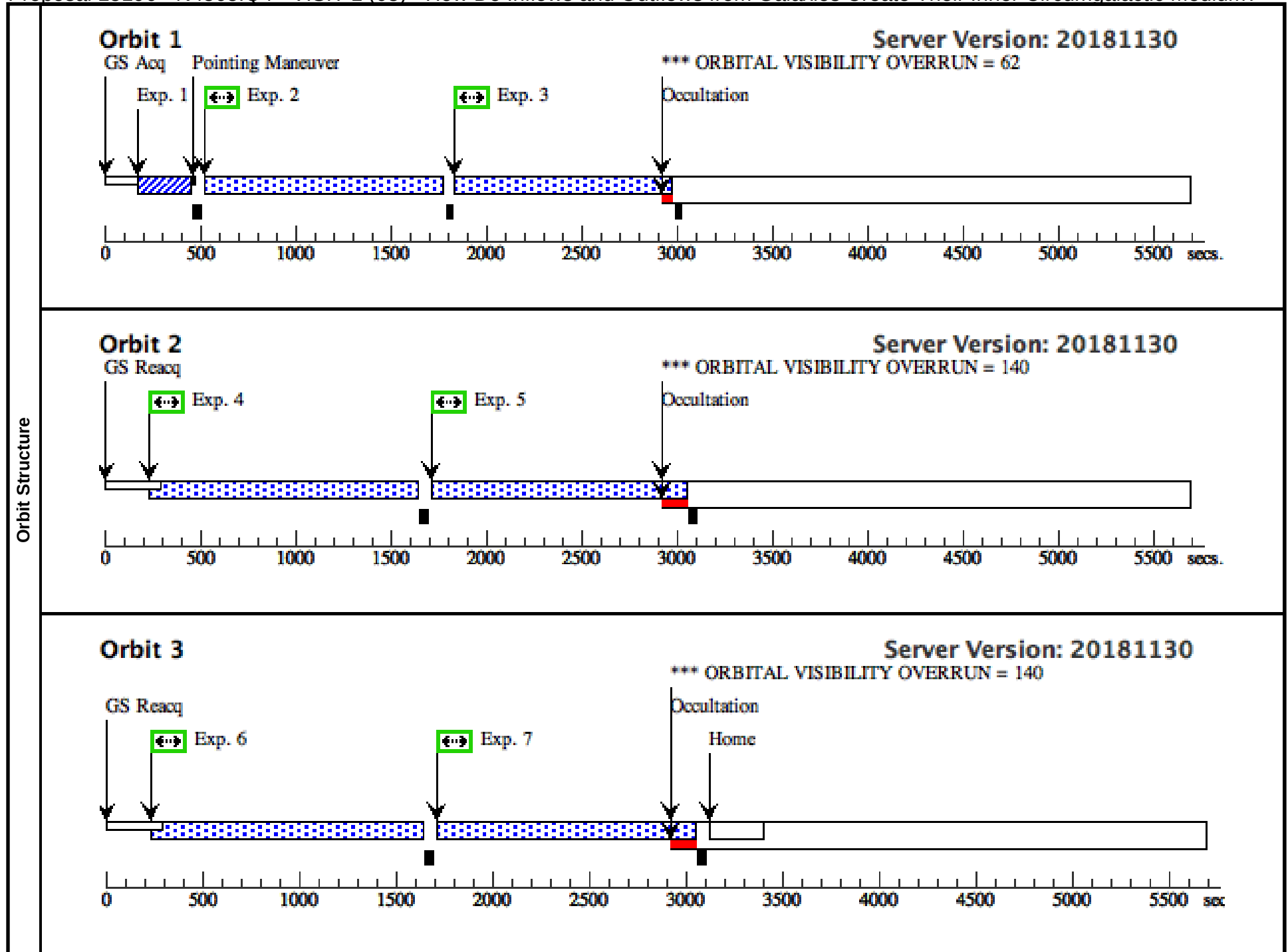


Proposal 15196 - N4565.Q4 - VISIT 1 (08) - How Do Inflows and Outflows from Galaxies Create Their Inner Circumgalactic Medium?

Visit	Proposal 15196, N4565.Q4 - VISIT 1 (08), completed				Thu Mar 07 15:01:30 GMT 2019
	Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: SCHED 100% Comments: First of 2 visits, 3 of 6 orbits				
Diagnostics	(N4565.Q4 - VISIT 1 (08)) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.				
	(N4565.Q4 - VISIT 1 (08)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/IMAGE.				
	(N4565.Q4 - VISIT 1 (08)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS				
	(N4565.Q4 - VISIT 1 (08)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS				
	(N4565.Q4 - VISIT 1 (08)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN				
	(N4565.Q4 - VISIT 1 (08)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN				
Fixed Targets	(N4565.Q4 - VISIT 1 (08)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN				
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(4)	SDSSJ123645.51+26180 3.7	RA: 12 36 45.4880 (189.1895333d)		V=19.9+/-0.1
		Alt Name1: N4565.Q4	Dec: +26 18 3.70 (26.30103d)		GALEX FUV = 57 micro-Jy
			Equinox: J2000		
		Comments: Category=GALAXY Description=[SEYFERT, STARBURST] Extended=NO			

Proposal 15196 - N4565.Q4 - VISIT 1 (08) - How Do Inflows and Outflows from Galaxies Create Their 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	VISIT 1 - A CQ (1004621)	(4) SDSSJ123645.51 +261803.7	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				30 Secs (30 Secs) [==>]	[1]
	Comments: SNR = 47 for 30 sec									
	2	V1 - Orbit 1 - FP-POS 3 (sp.1004636)	(4) SDSSJ123645.51 +261803.7	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=51 68; SEGMENT=BOTH; FP-POS=3			1000 Secs (1085 Secs) [==>1085.0 Secs]	[1]
	3	V1 - Orbit 1 - FP-POS 4 (sp.1004636)	(4) SDSSJ123645.51 +261803.7	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=51 68; SEGMENT=BOTH; FP-POS=4			1000 Secs (1085 Secs) [==>1085.0 Secs]	[1]
	4	V1 - Orbit 2 - FP-POS 3 (sp.1004636)	(4) SDSSJ123645.51 +261803.7	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=51 68; SEGMENT=BOTH; FP-POS=3			1200 Secs (1289 Secs) [==>1289.0 Secs]	[2]
	5	V1 - Orbit 2 - FP-POS 4 (sp.1004636)	(4) SDSSJ123645.51 +261803.7	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=51 68; SEGMENT=BOTH; FP-POS=4			1200 Secs (1289 Secs) [==>1289.0 Secs]	[2]
	6	V1 - Orbit 3 - FP-POS 3 (sp.1004636)	(4) SDSSJ123645.51 +261803.7	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=51 68; SEGMENT=BOTH; FP-POS=3			1200 Secs (1289 Secs) [==>1289.0 Secs]	[3]
	7	V1 - Orbit 3 - FP-POS 4 (sp.1004636)	(4) SDSSJ123645.51 +261803.7	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=51 68; SEGMENT=BOTH; FP-POS=4			1200 Secs (1289 Secs) [==>1289.0 Secs]	[3]



Proposal 15196 - N4565.Q4 - VISIT 2 (09) - How Do Inflows and Outflows from Galaxies Create Their Inner Circumgalactic Medium?

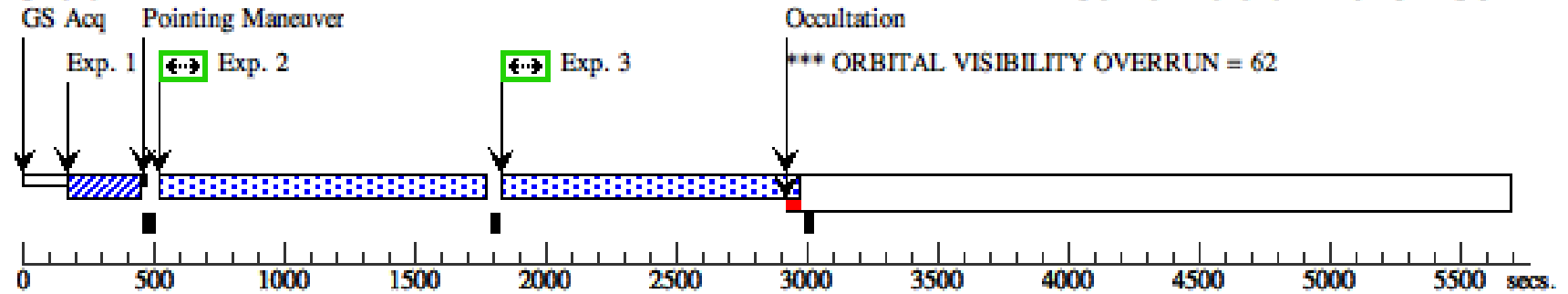
Visit	Proposal 15196, N4565.Q4 - VISIT 2 (09), completed					Thu Mar 07 15:01:30 GMT 2019
	Diagnostic Status: Warning					
	Scientific Instruments: COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%					
Comments: Second of 2 visits, 3 of 6 orbits						
Diagnostics	(N4565.Q4 - VISIT 2 (09)) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.					
	(N4565.Q4 - VISIT 2 (09)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/IMAGE.					
	(N4565.Q4 - VISIT 2 (09)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS					
	(N4565.Q4 - VISIT 2 (09)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS					
	(N4565.Q4 - VISIT 2 (09)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(N4565.Q4 - VISIT 2 (09)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(N4565.Q4 - VISIT 2 (09)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(4)	SDSSJ123645.51+26180 3.7	RA: 12 36 45.4880 (189.1895333d)		V=19.9+/-0.1	Reference Frame: ICRS
		Alt Name1: N4565.Q4	Dec: +26 18 3.70 (26.30103d)		GALEX FUV = 57 micro-Jy	
			Equinox: J2000			
	Comments: Category=GALAXY Description=[SEYFERT, STARBURST] Extended=NO					

Proposal 15196 - N4565.Q4 - VISIT 2 (09) - How Do Inflows and Outflows from Galaxies Create Their 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	VISIT 2 - A CQ (1004621)	(4) SDSSJ123645.51 +261803.7	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				30 Secs (30 Secs) [==>]	[1]
	Comments: SNR = 47 for 30 sec									
	2	V2 - Orbit 1 - FP-POS 3 (sp.1004636)	(4) SDSSJ123645.51 +261803.7	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=51 68; SEGMENT=BOTH; FP-POS=3			1000 Secs (1085 Secs) [==>1085.0 Secs]	[1]
	3	V2 - Orbit 1 - FP-POS 4 (sp.1004636)	(4) SDSSJ123645.51 +261803.7	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=51 68; SEGMENT=BOTH; FP-POS=4			1000 Secs (1085 Secs) [==>1085.0 Secs]	[1]
	4	V2 - Orbit 2 - FP-POS 3 (sp.1004636)	(4) SDSSJ123645.51 +261803.7	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=51 68; SEGMENT=BOTH; FP-POS=3			1200 Secs (1289 Secs) [==>1289.0 Secs]	[2]
	5	V2 - Orbit 2 - FP-POS 4 (sp.1004636)	(4) SDSSJ123645.51 +261803.7	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=51 68; SEGMENT=BOTH; FP-POS=4			1200 Secs (1289 Secs) [==>1289.0 Secs]	[2]
	6	V2 - Orbit 3 - FP-POS 3 (sp.1004636)	(4) SDSSJ123645.51 +261803.7	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=51 68; SEGMENT=BOTH; FP-POS=3			1200 Secs (1289 Secs) [==>1289.0 Secs]	[3]
	7	V2 - Orbit 3 - FP-POS 4 (sp.1004636)	(4) SDSSJ123645.51 +261803.7	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=51 68; SEGMENT=BOTH; FP-POS=4			1200 Secs (1289 Secs) [==>1289.0 Secs]	[3]

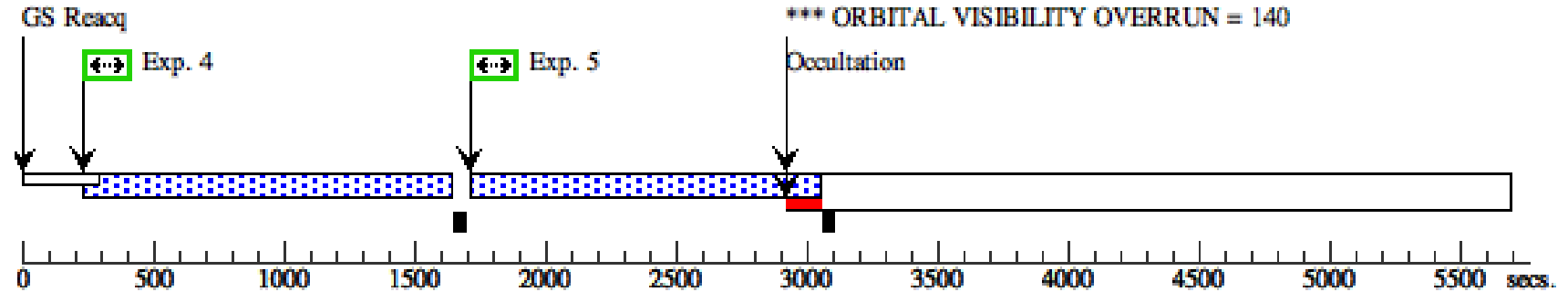
Orbit 1

Server Version: 20181130



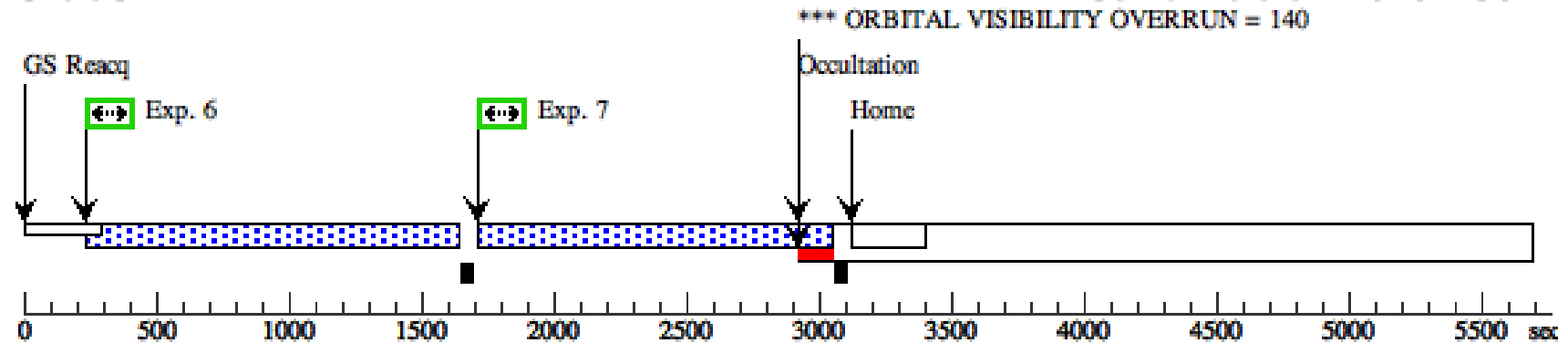
Orbit 2

Server Version: 20181130



Orbit 3

Server Version: 20181130

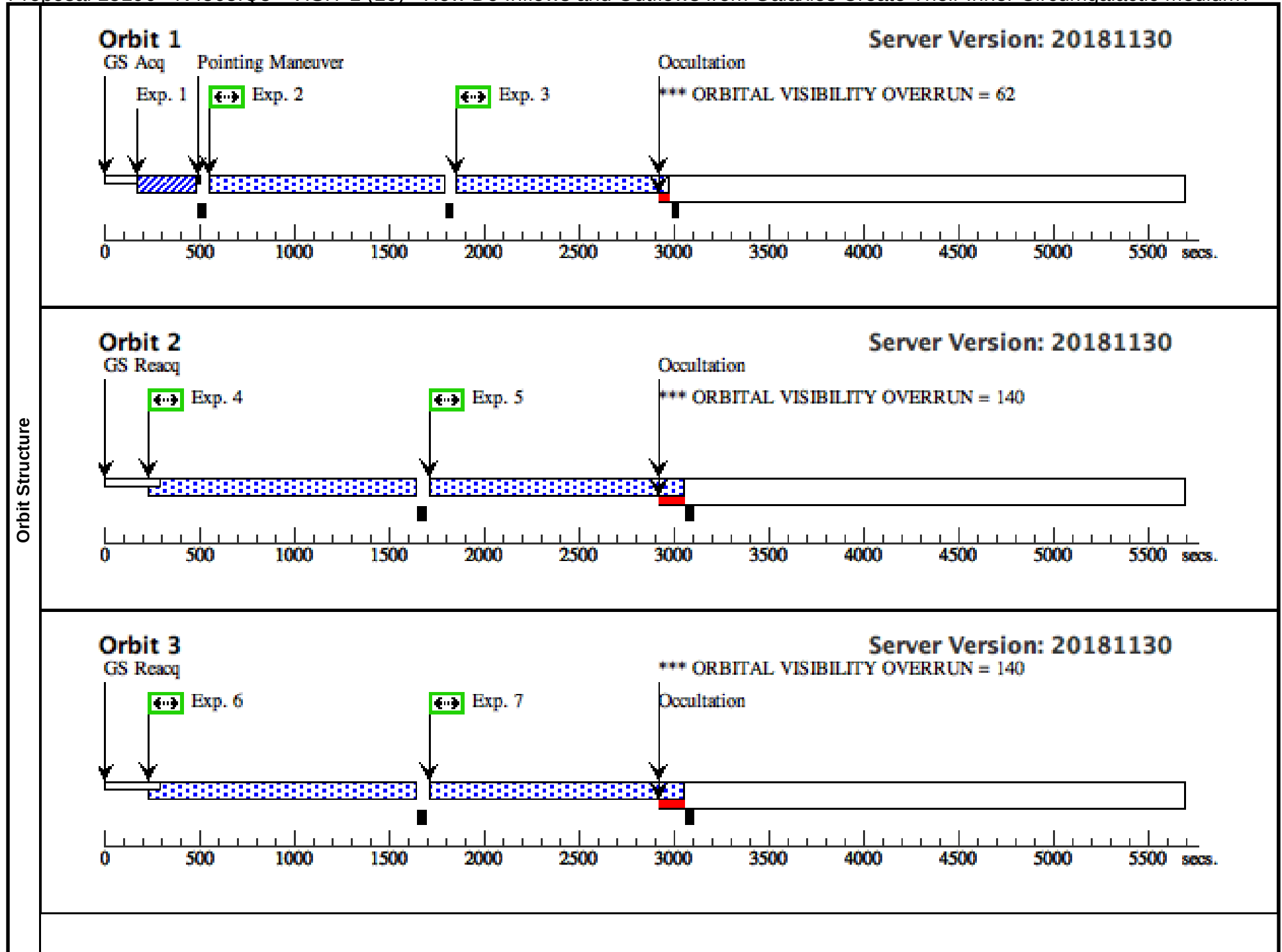


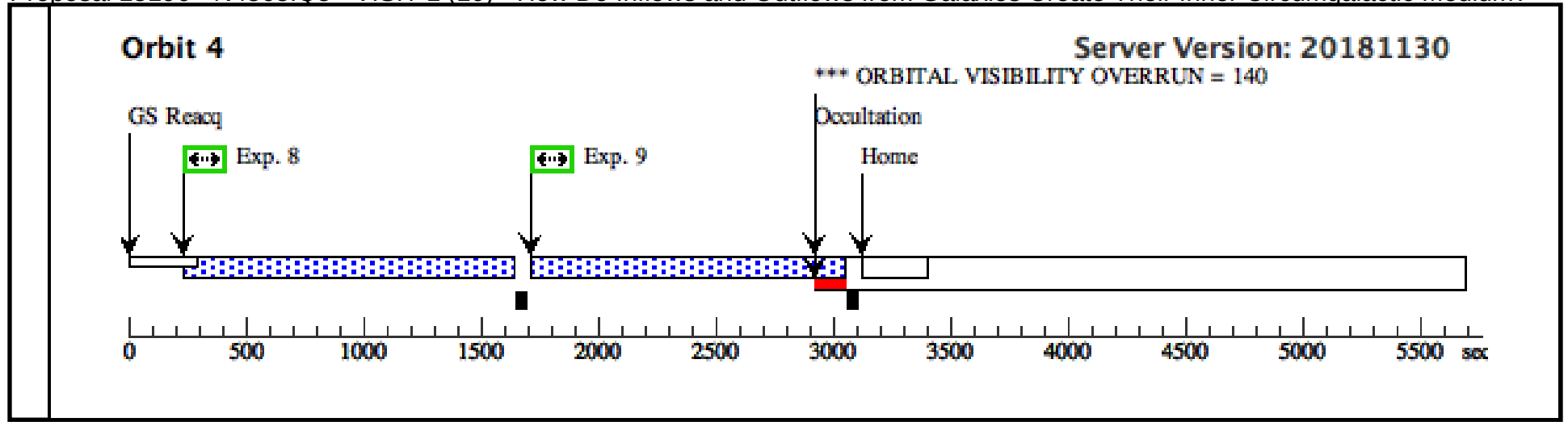
Proposal 15196 - N4565.Q5 - VISIT 1 (10) - How Do Inflows and Outflows from Galaxies Create Their Inner Circumgalactic Medium?

Visit	Proposal 15196, N4565.Q5 - VISIT 1 (10), completed					Thu Mar 07 15:01:30 GMT 2019
	Diagnostic Status: Warning					
	Scientific Instruments: COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%					
Comments: First visit of 3, 4 of 8 orbits						
Diagnostics	(N4565.Q5 - VISIT 1 (10)) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.					
	(N4565.Q5 - VISIT 1 (10)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/IMAGE.					
	(N4565.Q5 - VISIT 1 (10)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS					
	(N4565.Q5 - VISIT 1 (10)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS					
	(N4565.Q5 - VISIT 1 (10)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS					
	(N4565.Q5 - VISIT 1 (10)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(N4565.Q5 - VISIT 1 (10)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(N4565.Q5 - VISIT 1 (10)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(5)	SDSSJ123508.63+254453.1	RA: 12 35 8.6230 (188.7859292d)		V=19.9+/-0.1	Reference Frame: ICRS
		Alt Name1: N4565.Q5	Dec: +25 44 53.20 (25.74811d)		GALEX FUV = 28 micro-Jy	
			Equinox: J2000			
Comments:						
Category=GALAXY						
Description=[QUASAR]						
Extended=NO						

Proposal 15196 - N4565.Q5 - VISIT 1 (10) - How Do Inflows and Outflows from Galaxies Create Their 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	V1 - ACQ (1004502)	(5) SDSSJ123508.63 +254453.1	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				44 Secs (44 Secs) [==>]	[1]
	Comments: SNR = 40									
	2	V1 - Orbit 1 - FP-POS 3 (sp.1004637)	(5) SDSSJ123508.63 +254453.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 54; SEGMENT=BOTH; FP-POS=3			1000 Secs (1071 Secs) [==>1071.0 Secs]	[1]
	3	V1 - Orbit 1 - FP-POS 4 (sp.1004637)	(5) SDSSJ123508.63 +254453.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 54; SEGMENT=BOTH; FP-POS=4			1000 Secs (1071 Secs) [==>1071.0 Secs]	[1]
	4	V1 - Orbit 2 - FP-POS 3 (sp.1004637)	(5) SDSSJ123508.63 +254453.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 54; SEGMENT=BOTH; FP-POS=3			1200 Secs (1289 Secs) [==>1289.0 Secs]	[2]
	5	V1 - Orbit 2 - FP-POS 4 (sp.1004637)	(5) SDSSJ123508.63 +254453.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 54; SEGMENT=BOTH; FP-POS=4			1200 Secs (1289 Secs) [==>1289.0 Secs]	[2]
	6	V1 - Orbit 3 - FP-POS 3 (sp.1004637)	(5) SDSSJ123508.63 +254453.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 54; SEGMENT=BOTH; FP-POS=3			1200 Secs (1289 Secs) [==>1289.0 Secs]	[3]
	7	V1 - Orbit 3 - FP-POS 4 (sp.1004637)	(5) SDSSJ123508.63 +254453.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 54; SEGMENT=BOTH; FP-POS=4			1200 Secs (1289 Secs) [==>1289.0 Secs]	[3]
	8	V1 - Orbit 4 - FP-POS 3 (sp.1004637)	(5) SDSSJ123508.63 +254453.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 54; SEGMENT=BOTH; FP-POS=3			1200 Secs (1289 Secs) [==>1289.0 Secs]	[4]
	9	V1 - Orbit 4 - FP-POS 4 (sp.1004637)	(5) SDSSJ123508.63 +254453.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 54; SEGMENT=BOTH; FP-POS=4			1200 Secs (1289 Secs) [==>1289.0 Secs]	[4]



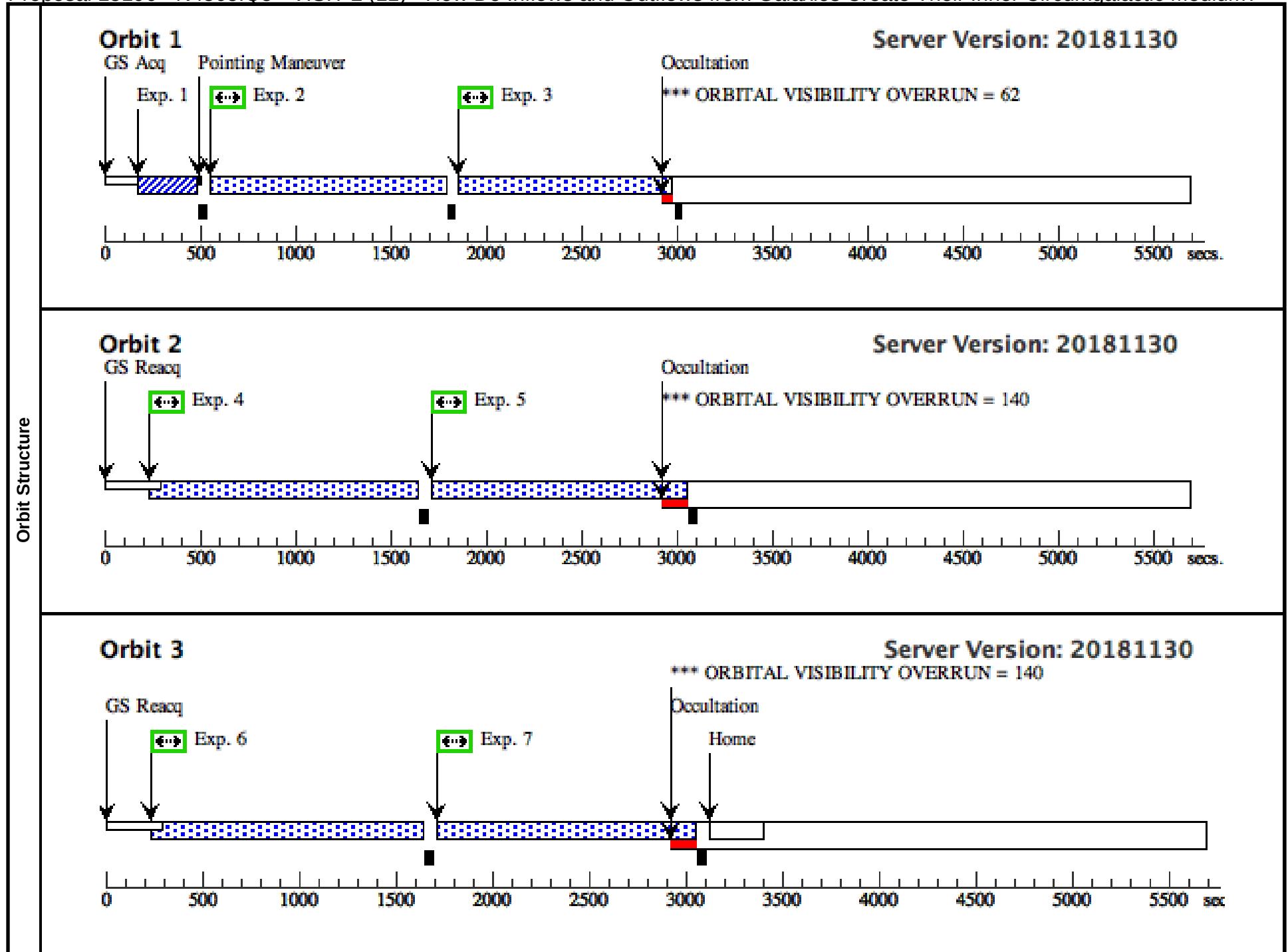


Proposal 15196 - N4565.Q5 - VISIT 2 (11) - How Do Inflows and Outflows from Galaxies Create Their Inner Circumgalactic Medium?

Visit	Proposal 15196, N4565.Q5 - VISIT 2 (11), completed				Thu Mar 07 15:01:30 GMT 2019	
	Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: SCHED 100% <i>Comments: Second visit of 3, 3 of 8 orbits</i>					
Diagnostics	(N4565.Q5 - VISIT 2 (11)) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.					
	(N4565.Q5 - VISIT 2 (11)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/IMAGE.					
	(N4565.Q5 - VISIT 2 (11)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS					
	(N4565.Q5 - VISIT 2 (11)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS					
	(N4565.Q5 - VISIT 2 (11)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(N4565.Q5 - VISIT 2 (11)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
Fixed Targets	(N4565.Q5 - VISIT 2 (11)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(5)	SDSSJ123508.63+254453.1	RA: 12 35 8.6230 (188.7859292d)		V=19.9+/-0.1	Reference Frame: ICRS
		Alt Name1: N4565.Q5	Dec: +25 44 53.20 (25.74811d)		GALEX FUV = 28 micro-Jy	
			Equinox: J2000			
		<i>Comments:</i> <i>Category=GALAXY</i> <i>Description=[QUASAR]</i> <i>Extended=NO</i>				

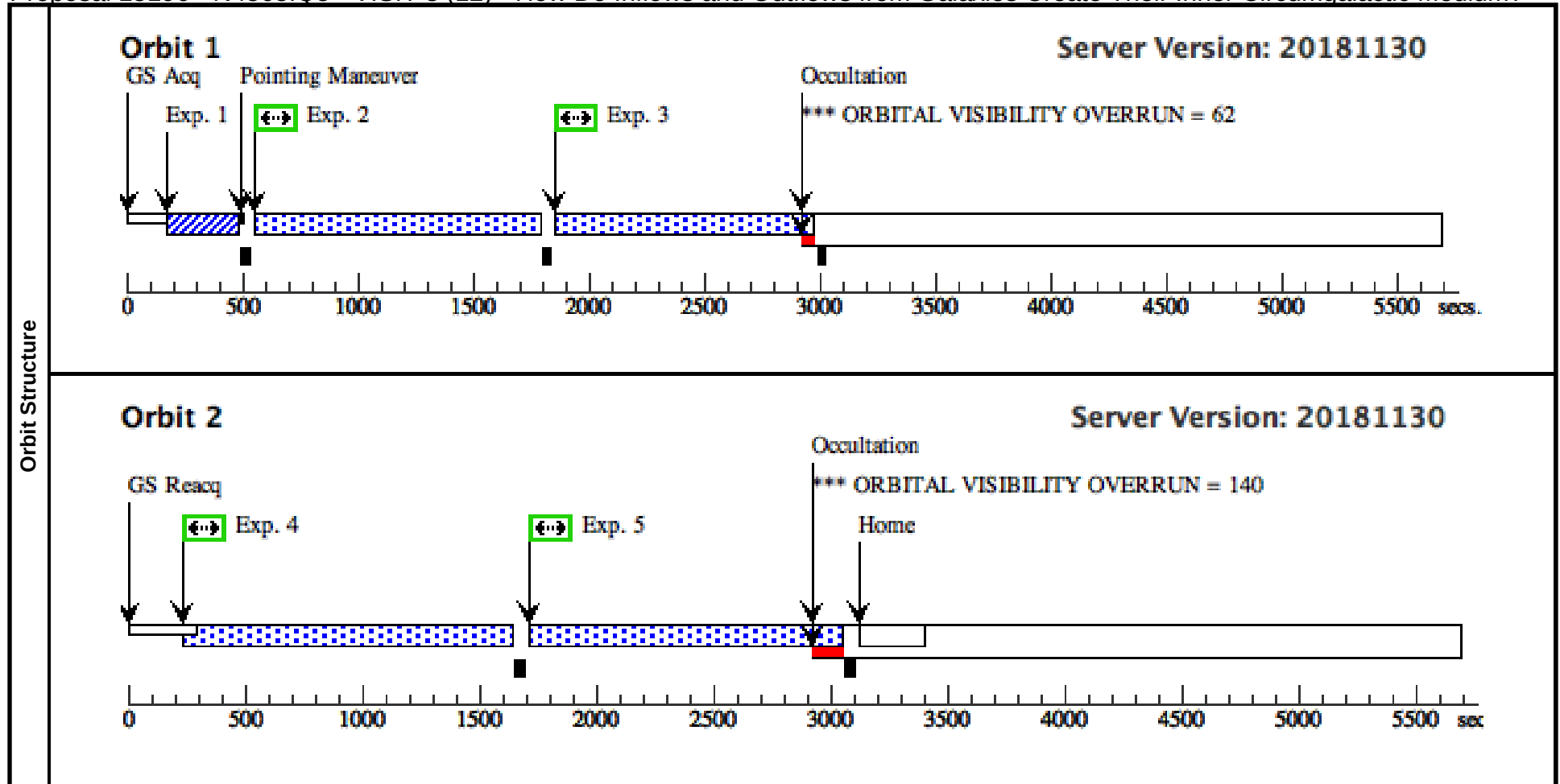
Proposal 15196 - N4565.Q5 - VISIT 2 (11) - How Do Inflows and Outflows from Galaxies Create Their Inner Circumgalactic Medium?

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	V2 - ACQ (1004502)	(5) SDSSJ123508.63 +254453.1	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				44 Secs (44 Secs) [==>]	[1]
	Comments: SNR = 40									
	2	V2 - Orbit 1 - FP-POS 3 (sp.1004637)	(5) SDSSJ123508.63 +254453.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 54; SEGMENT=BOTH; FP-POS=3			1000 Secs (1071 Secs) [==>1071.0 Secs]	[1]
	3	V2 - Orbit 1 - FP-POS 4 (sp.1004637)	(5) SDSSJ123508.63 +254453.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 54; SEGMENT=BOTH; FP-POS=4			1000 Secs (1071 Secs) [==>1071.0 Secs]	[1]
	4	V2 - Orbit 2 - FP-POS 3 (sp.1004637)	(5) SDSSJ123508.63 +254453.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 54; SEGMENT=BOTH; FP-POS=3			1200 Secs (1289 Secs) [==>1289.0 Secs]	[2]
	5	V2 - Orbit 2 - FP-POS 4 (sp.1004637)	(5) SDSSJ123508.63 +254453.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 54; SEGMENT=BOTH; FP-POS=4			1200 Secs (1289 Secs) [==>1289.0 Secs]	[2]
	6	V2 - Orbit 3 - FP-POS 3 (sp.1004637)	(5) SDSSJ123508.63 +254453.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 54; SEGMENT=BOTH; FP-POS=3			1200 Secs (1289 Secs) [==>1289.0 Secs]	[3]
	7	V2 - Orbit 3 - FP-POS 4 (sp.1004637)	(5) SDSSJ123508.63 +254453.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 54; SEGMENT=BOTH; FP-POS=4			1200 Secs (1289 Secs) [==>1289.0 Secs]	[3]



Proposal 15196 - N4565.Q5 - VISIT 3 (12) - How Do Inflows and Outflows from Galaxies Create Their Inner Circumgalactic Medium?

Visit	Proposal 15196, N4565.Q5 - VISIT 3 (12), completed										Thu Mar 07 15:01:30 GMT 2019	
	Diagnostic Status: Warning											
	Scientific Instruments: COS/FUV, COS/NUV											
	Special Requirements: SCHED 100%											
Comments: Third visit of 3, 2 of 8 orbits												
Diagnostics	(N4565.Q5 - VISIT 3 (12)) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.											
	(N4565.Q5 - VISIT 3 (12)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/IMAGE.											
	(N4565.Q5 - VISIT 3 (12)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS											
	(N4565.Q5 - VISIT 3 (12)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
	(N4565.Q5 - VISIT 3 (12)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN											
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(5)	SDSSJ123508.63+254453.1	RA: 12 35 8.6230 (188.7859292d)					V=19.9+/-0.1		Reference Frame: ICRS		
		Alt Name1: N4565.Q5	Dec: +25 44 53.20 (25.74811d)					GALEX FUV = 28 micro-Jy				
	Equinox: J2000											
Comments: Category=GALAXY Description=[QUASAR] Extended=NO												
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	V3 - ACQ (1004502)	(5) SDSSJ123508.63 +254453.1	COS/NUV, ACQ/IMAGE, PSA		MIRRORA				44 Secs (44 Secs)		
										[==>]		[1]
	Comments: SNR = 40											
	2	V3 - Orbit 1 - FP-POS 3 (sp.1004637)	(5) SDSSJ123508.63 +254453.1	COS/FUV, TIME-TAG, PSA		G130M 1291 A	BUFFER-TIME=54 54; SEGMENT=BOTH; FP-POS=3			1000 Secs (1071 Secs) [==>1071.0 Secs]		[1]
	3	V3 - Orbit 1 - FP-POS 4 (sp.1004637)	(5) SDSSJ123508.63 +254453.1	COS/FUV, TIME-TAG, PSA		G130M 1291 A	BUFFER-TIME=54 54; SEGMENT=BOTH; FP-POS=4			1000 Secs (1071 Secs) [==>1071.0 Secs]		[1]
	4	V3 - Orbit 2 - FP-POS 3 (sp.1004637)	(5) SDSSJ123508.63 +254453.1	COS/FUV, TIME-TAG, PSA		G130M 1291 A	BUFFER-TIME=54 54; SEGMENT=BOTH; FP-POS=3			1200 Secs (1289 Secs) [==>1289.0 Secs]		[2]
	5	V3 - Orbit 2 - FP-POS 4 (sp.1004637)	(5) SDSSJ123508.63 +254453.1	COS/FUV, TIME-TAG, PSA		G130M 1291 A	BUFFER-TIME=54 54; SEGMENT=BOTH; FP-POS=4			1200 Secs (1289 Secs) [==>1289.0 Secs]		[2]



Proposal 15196 - N4565.Q6 (13) - How Do Inflows and Outflows from Galaxies Create Their Inner Circumgalactic Medium?

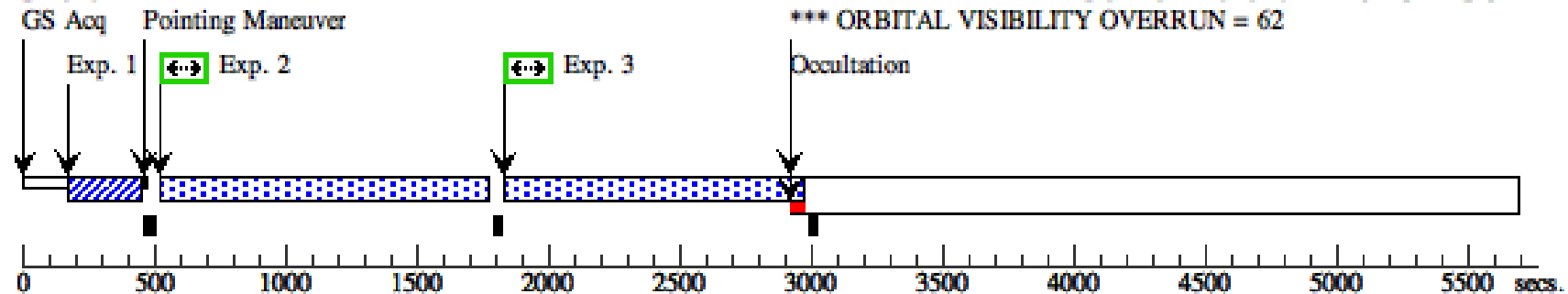
Visit	Proposal 15196, N4565.Q6 (13), completed					Thu Mar 07 15:01:30 GMT 2019
	Diagnostic Status: Warning					
	Scientific Instruments: COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%					
	Comments: Single visit of 4 orbits					
Diagnostics	(N4565.Q6 (13)) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.					
	(N4565.Q6 (13)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/IMAGE.					
	(N4565.Q6 (13)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS					
	(N4565.Q6 (13)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS					
	(N4565.Q6 (13)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS					
	(N4565.Q6 (13)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(N4565.Q6 (13)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(N4565.Q6 (13)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(6)	SDSSJ123734.52+253820.0	RA: 12 37 34.5190 (189.3938292d)		V=18.5+/-0.1	Reference Frame: ICRS
		Alt Name1: N4565.Q6	Dec: +25 38 20.00 (25.63889d)		GALEX FUV = 67 micro-Jy	
			Equinox: J2000			
	Comments: Category=GALAXY Description=[QUASAR] Extended=NO					

Proposal 15196 - N4565.Q6 (13) - How Do Inflows and Outflows from Galaxies Create Their 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	ACQ (1004627)	(6) SDSSJ123734.52 +253820.0	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				30 Secs (30 Secs)		
									[==>]		[1]
	Comments: SNR = 51 for 30 sec										
	2	Orbit 1 - FP- POS 3 (1004638)	(6) SDSSJ123734.52 +253820.0	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=50 76; SEGMENT=BOTH; FP-POS=3			1000 Secs (1085 Secs)		
									[==>1085.0 Secs]		[1]
	3	Orbit 1 - FP- POS 4 (1004638)	(6) SDSSJ123734.52 +253820.0	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=50 76; SEGMENT=BOTH; FP-POS=4			1000 Secs (1085 Secs)		
									[==>1085.0 Secs]		[1]
	4	Orbit 2 - FP- POS 3 (1004638)	(6) SDSSJ123734.52 +253820.0	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=50 76; SEGMENT=BOTH; FP-POS=3			1200 Secs (1289 Secs)		
									[==>1289.0 Secs]		[2]
	5	Orbit 2 - FP- POS 4 (1004638)	(6) SDSSJ123734.52 +253820.0	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=50 76; SEGMENT=BOTH; FP-POS=4			1200 Secs (1289 Secs)		
									[==>1289.0 Secs]		[2]
	6	Orbit 3 - FP- POS 3 (1004638)	(6) SDSSJ123734.52 +253820.0	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=50 76; SEGMENT=BOTH; FP-POS=3			1200 Secs (1289 Secs)		
									[==>1289.0 Secs]		[3]
	7	Orbit 3 - FP- POS 4 (1004638)	(6) SDSSJ123734.52 +253820.0	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=50 76; SEGMENT=BOTH; FP-POS=4			1200 Secs (1289 Secs)		
									[==>1289.0 Secs]		[3]
	8	Orbit 4 - FP- POS 3 (1004638)	(6) SDSSJ123734.52 +253820.0	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=50 76; SEGMENT=BOTH; FP-POS=3			1200 Secs (1289 Secs)		
									[==>1289.0 Secs]		[4]
	9	Orbit 4 - FP- POS 4 (1004638)	(6) SDSSJ123734.52 +253820.0	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=50 76; SEGMENT=BOTH; FP-POS=4			1200 Secs (1289 Secs)		
									[==>1289.0 Secs]		[4]

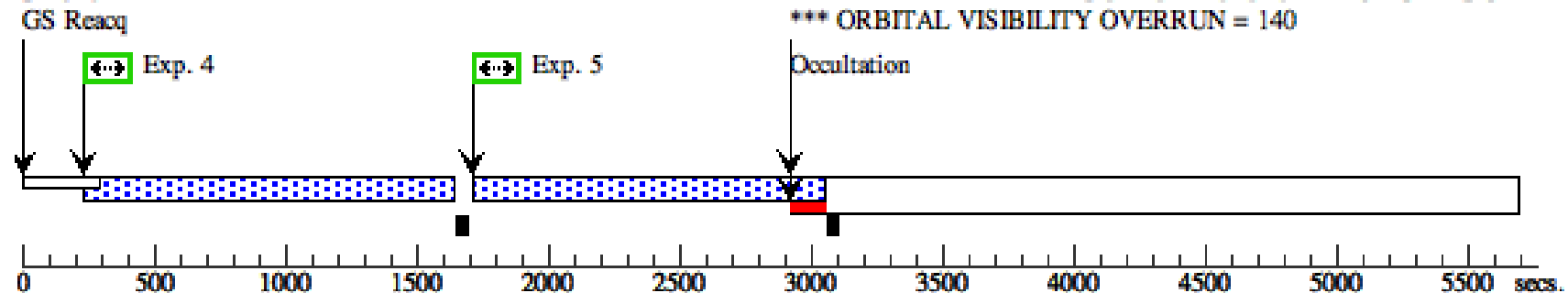
Orbit 1

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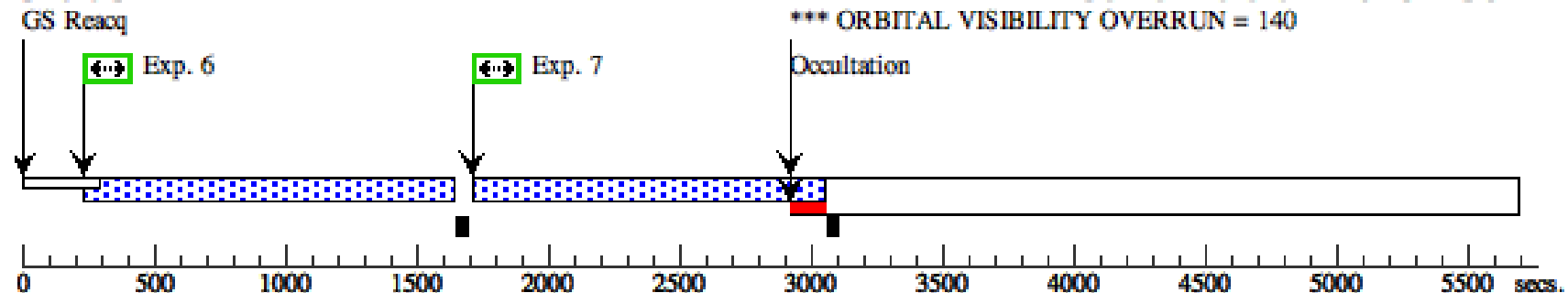
Orbit 2

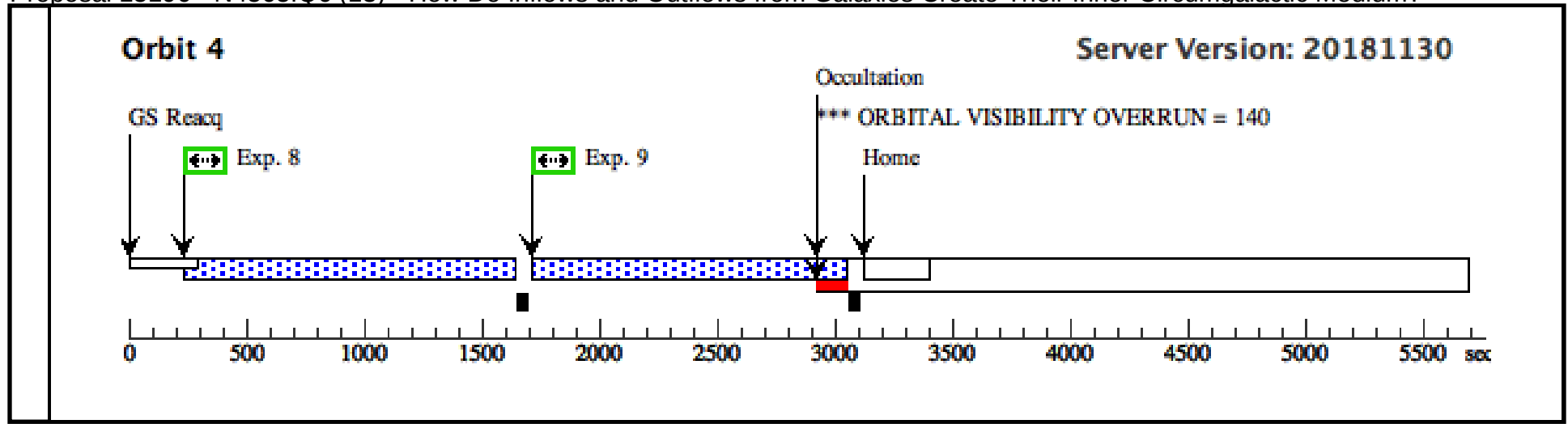
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Orbit 3

Server Version: 20181130



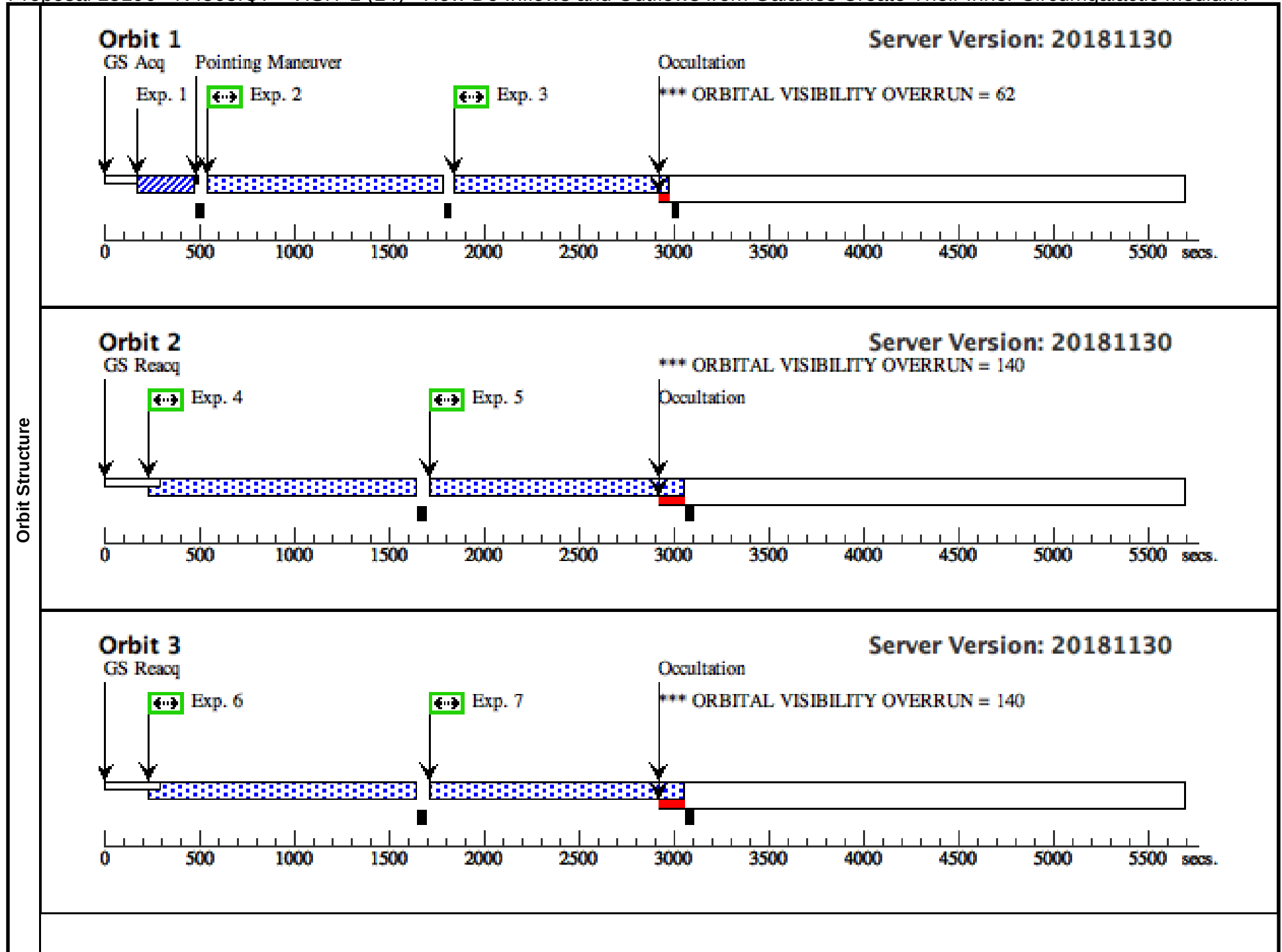


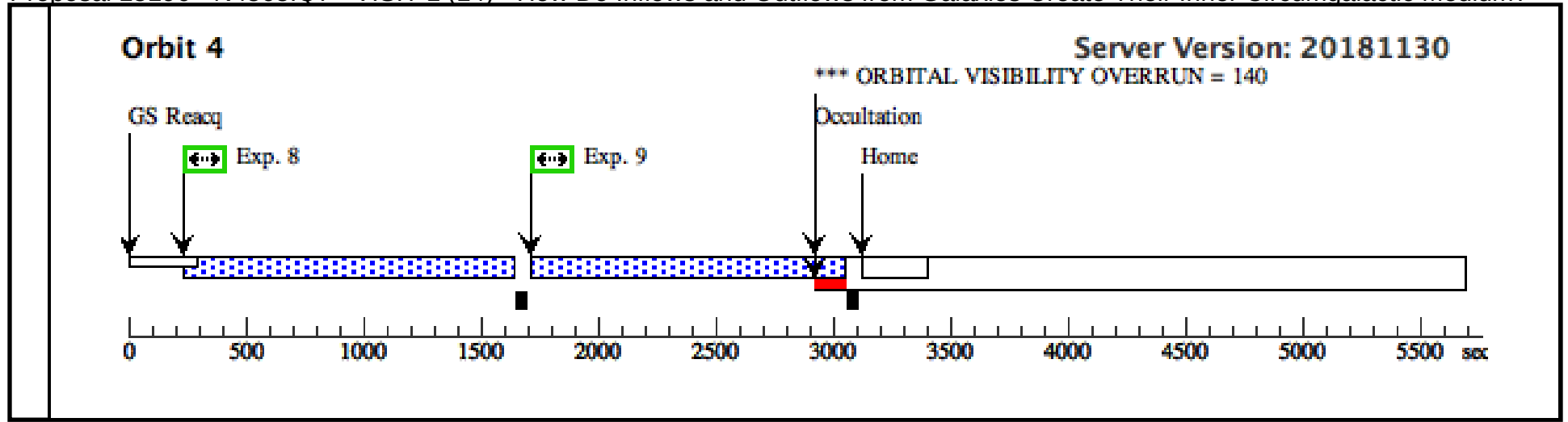
Proposal 15196 - N4565.Q7 - VISIT 1 (14) - How Do Inflows and Outflows from Galaxies Create Their Inner Circumgalactic Medium?

Visit	Proposal 15196, N4565.Q7 - VISIT 1 (14), scheduled					Thu Mar 07 15:01:31 GMT 2019
	Diagnostic Status: Warning					
	Scientific Instruments: COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%					
Comments: First visit of 2, 4 orbits of 7						
Diagnostics	(N4565.Q7 - VISIT 1 (14)) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.					
	(N4565.Q7 - VISIT 1 (14)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/IMAGE.					
	(N4565.Q7 - VISIT 1 (14)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS					
	(N4565.Q7 - VISIT 1 (14)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS					
	(N4565.Q7 - VISIT 1 (14)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS					
	(N4565.Q7 - VISIT 1 (14)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(N4565.Q7 - VISIT 1 (14)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(N4565.Q7 - VISIT 1 (14)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(N4565.Q7 - VISIT 1 (14)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(7)	SDSSJ123817.19+254421.6	RA: 12 38 17.1910 (189.5716292d)		V=19.2+/-0.1	Reference Frame: ICRS
		Alt Name1: N4565.Q7	Dec: +25 44 21.50 (25.73931d)		GALEX FUV = 33 micro-Jy	
			Equinox: J2000			
	Comments: Category=GALAXY Description=[QUASAR] Extended=NO					

Proposal 15196 - N4565.Q7 - VISIT 1 (14) - How Do Inflows and Outflows from Galaxies Create Their 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	V1 - ACQ (1004504)	(7) SDSSJ123817.19 +254421.6	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				39 Secs (39 Secs) [==>]	
	2	V1 - Orbit 1 - FP-POS 3 (1004639)	(7) SDSSJ123817.19 +254421.6	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 02; SEGMENT=BOTH; FP-POS=3			1000 Secs (1076 Secs) [==>1076.0 Secs]	[1]
	3	V1 - Orbit 1 - FP-POS 4 (1004639)	(7) SDSSJ123817.19 +254421.6	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 02; SEGMENT=BOTH; FP-POS=4			1000 Secs (1076 Secs) [==>1076.0 Secs]	[1]
	4	V1 - Orbit 2 - FP-POS 3 (1004639)	(7) SDSSJ123817.19 +254421.6	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 02; SEGMENT=BOTH; FP-POS=3			1200 Secs (1289 Secs) [==>1289.0 Secs]	[2]
	5	V1 - Orbit 2 - FP-POS 4 (1004639)	(7) SDSSJ123817.19 +254421.6	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 02; SEGMENT=BOTH; FP-POS=4			1200 Secs (1289 Secs) [==>1289.0 Secs]	[2]
	6	V1 - Orbit 3 - FP-POS 3 (1004639)	(7) SDSSJ123817.19 +254421.6	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 02; SEGMENT=BOTH; FP-POS=3			1200 Secs (1289 Secs) [==>1289.0 Secs]	[3]
	7	V1 - Orbit 3 - FP-POS 4 (1004639)	(7) SDSSJ123817.19 +254421.6	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 02; SEGMENT=BOTH; FP-POS=4			1200 Secs (1289 Secs) [==>1289.0 Secs]	[3]
	8	V1 - Orbit 4 - FP-POS 3 (1004639)	(7) SDSSJ123817.19 +254421.6	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 02; SEGMENT=BOTH; FP-POS=3			1200 Secs (1289 Secs) [==>1289.0 Secs]	[4]
	9	V1 - Orbit 4 - FP-POS 4 (1004639)	(7) SDSSJ123817.19 +254421.6	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 02; SEGMENT=BOTH; FP-POS=4			1200 Secs (1289 Secs) [==>1289.0 Secs]	[4]





Proposal 15196 - N4565.Q7 - VISIT 2 (15) - How Do Inflows and Outflows from Galaxies Create Their Inner Circumgalactic Medium?

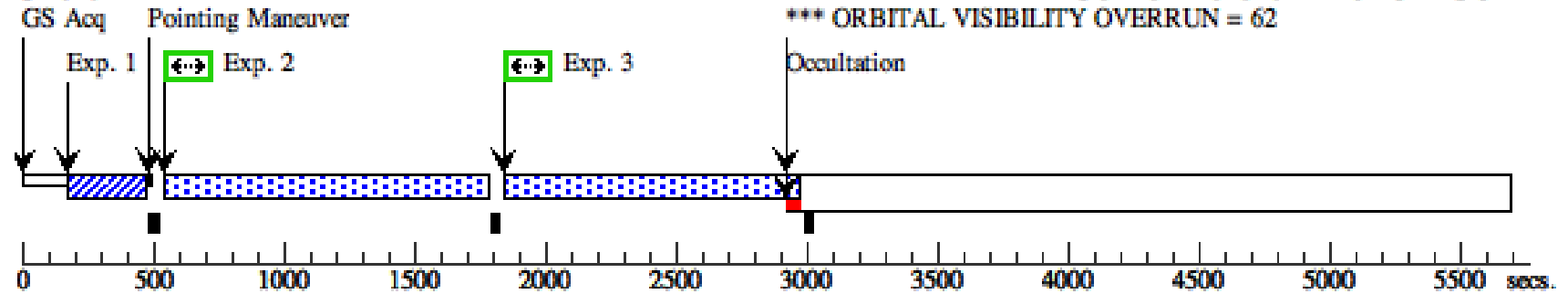
Visit	Proposal 15196, N4565.Q7 - VISIT 2 (15), scheduled Thu Mar 07 15:01:31 GMT 2019				
	Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: SCHED 100% <i>Comments: First visit of 2, 3 orbits of 7</i>				
Diagnostics	(N4565.Q7 - VISIT 2 (15)) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. (N4565.Q7 - VISIT 2 (15)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/IMAGE. (N4565.Q7 - VISIT 2 (15)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS (N4565.Q7 - VISIT 2 (15)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS (N4565.Q7 - VISIT 2 (15)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (N4565.Q7 - VISIT 2 (15)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (N4565.Q7 - VISIT 2 (15)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(7)	SDSSJ123817.19+254421.6 Alt Name1: N4565.Q7	RA: 12 38 17.1910 (189.5716292d) Dec: +25 44 21.50 (25.73931d) Equinox: J2000		V=19.2+/-0.1 GALEX FUV = 33 micro-Jy
Fixed Targets	Comments: Category=GALAXY Description=[QUASAR] Extended=NO				
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Proposal 15196 - N4565.Q7 - VISIT 2 (15) - How Do Inflows and Outflows from Galaxies Create Their 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	V2 - ACQ (1004504)	(7) SDSSJ123817.19 +254421.6	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				39 Secs (39 Secs) [==>]	
	2	V2 - Orbit 1 - FP-POS 3 (1004639)	(7) SDSSJ123817.19 +254421.6	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 02; SEGMENT=BOTH; FP-POS=3			1000 Secs (1076 Secs) [==>1076.0 Secs]	[1]
	3	V2 - Orbit 1 - FP-POS 4 (1004639)	(7) SDSSJ123817.19 +254421.6	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 02; SEGMENT=BOTH; FP-POS=4			1000 Secs (1076 Secs) [==>1076.0 Secs]	[1]
	4	V2 - Orbit 2 - FP-POS 3 (1004639)	(7) SDSSJ123817.19 +254421.6	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 02; SEGMENT=BOTH; FP-POS=3			1200 Secs (1289 Secs) [==>1289.0 Secs]	[2]
	5	V2 - Orbit 2 - FP-POS 4 (1004639)	(7) SDSSJ123817.19 +254421.6	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 02; SEGMENT=BOTH; FP-POS=4			1200 Secs (1289 Secs) [==>1289.0 Secs]	[2]
	6	V2 - Orbit 3 - FP-POS 3 (1004639)	(7) SDSSJ123817.19 +254421.6	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 02; SEGMENT=BOTH; FP-POS=3			1200 Secs (1289 Secs) [==>1289.0 Secs]	[3]
	7	V2 - Orbit 3 - FP-POS 4 (1004639)	(7) SDSSJ123817.19 +254421.6	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 02; SEGMENT=BOTH; FP-POS=4			1200 Secs (1289 Secs) [==>1289.0 Secs]	[3]

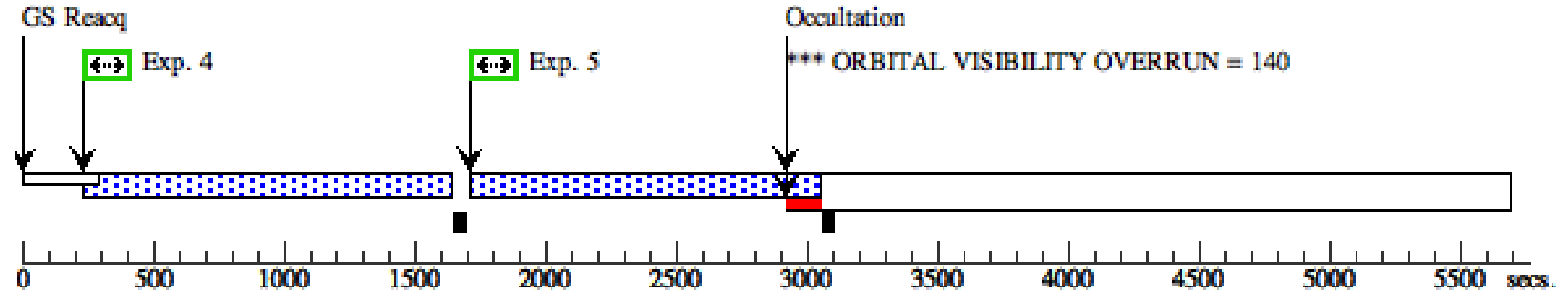
Orbit 1

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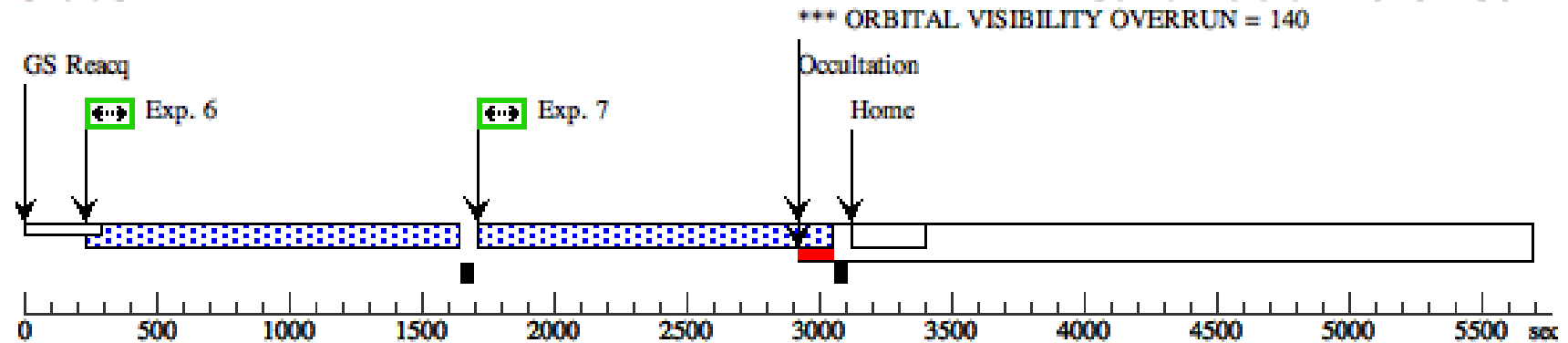
Orbit 2

Server Version: 20181130



Orbit 3

Server Version: 20181130



Proposal 15196 - N3184.Q1 (16) - How Do Inflows and Outflows from Galaxies Create Their Inner Circumgalactic Medium?

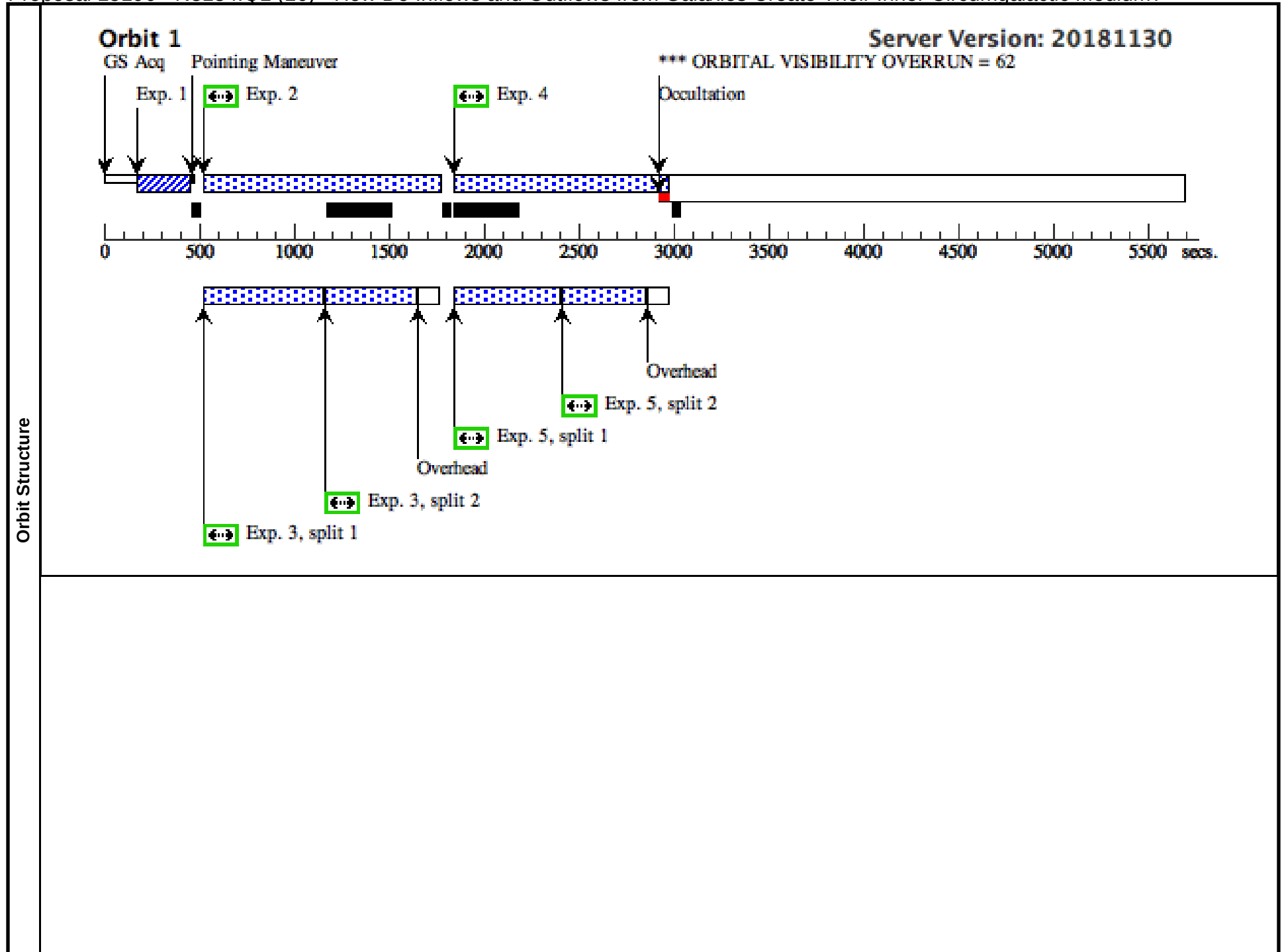
Visit	Proposal 15196, N3184.Q1 (16), completed Thu Mar 07 15:01:31 GMT 2019				
	Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, COS/FUV, COS/NUV Special Requirements: SCHED 100%; ORIENT 236D TO 242 D Comments: Single visit of 4 orbits Optimum ORIENT is 240 degrees				
Diagnostics	(N3184.Q1 (16)) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. (N3184.Q1 (16)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/IMAGE. (N3184.Q1 (16)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS (N3184.Q1 (16)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS (N3184.Q1 (16)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS (N3184.Q1 (16)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (N3184.Q1 (16)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (N3184.Q1 (16)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (N3184.Q1 (16)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Parallel WFC3 - F336W 1a (16.007)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser (Parallel WFC3 - F336W 1b (16.009)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser (Parallel WFC3 - F336W 2a (16.011)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser (Parallel WFC3 - F336W 2b (16.013)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser (Parallel WFC3 - F336W 3a (16.015)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser (Parallel WFC3 - F336W 3b (16.017)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(21)	SDSSJ101821.07+411912.3 Alt Name1: N3184.Q1	RA: 10 18 21.1190 (154.5879958d) Dec: +41 19 12.30 (41.32008d) Equinox: J2000		V=17.9+/-0.1 GALEX FUV = 97 micro-Jy
	Comments: Category=GALAXY Description=[STARBURST] Extended=NO				

Proposal 15196 - N3184.Q1 (16) - How Do Inflows and Outflows from Galaxies Create Their 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	ACQ (1004626)	(21) SDSSJ101821.0 7+411912.3	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				30 Secs (30 Secs) [==>]	[1]
	Comments: SNR = 62 for 30 sec									
	2	Orbit 1 - FP- POS 3 (1004640)	(21) SDSSJ101821.0 7+411912.3	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=48 19; FP-POS=3; SEGMENT=BOTH		Prime + Parallel Gro up 2-3 in N3184.Q1 (16)	1000 Secs (1081 Secs) [==>1081.0 Secs]	[1]
	3	WFC3 - F43 8W 1a	ANY	WFC3/UVIS, ACCUM, UVIS-CENTER	F438W	FLASH=10; CR-SPLIT=2		Prime + Parallel Gro up 2-3 in N3184.Q1 (16)	800 Secs (958 Secs) [==>479.0 Secs (Split 1)] [==>479.0 Secs (Split 2)]	[1]
	Comments: Added CR-SPLIT to make sure of (at least) 4 images in the 1 orbit for CR removal.									
	4	Orbit 1 - FP- POS 4 (1004640)	(21) SDSSJ101821.0 7+411912.3	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=48 19; FP-POS=4; SEGMENT=BOTH		Prime + Parallel Gro up 4-5 in N3184.Q1 (16)	1000 Secs (1081 Secs) [==>1081.0 Secs]	[1]
	5	WFC3 - F43 8W 1b	ANY	WFC3/UVIS, ACCUM, UVIS-CENTER	F438W	FLASH=10; CR-SPLIT=2		Prime + Parallel Gro up 4-5 in N3184.Q1 (16)	800 Secs (876 Secs) [==>438.0 Secs (Split 1)] [==>438.0 Secs (Split 2)]	[1]
	6	Orbit 2 - FP- POS 3 (1004640)	(21) SDSSJ101821.0 7+411912.3	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=48 19; FP-POS=3; SEGMENT=BOTH		Prime + Parallel Gro up 6-7 in N3184.Q1 (16)	1200 Secs (1268 Secs) [==>1268.0 Secs]	[2]
	7	WFC3 - F33 6W 1a	ANY	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	FLASH=14		Prime + Parallel Gro up 6-7 in N3184.Q1 (16)	800 Secs (1243 Secs) [==>1243.0 Secs]	[2]
	8	Orbit 2 - FP- POS 4 (1004640)	(21) SDSSJ101821.0 7+411912.3	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=48 19; FP-POS=4; SEGMENT=BOTH		Prime + Parallel Gro up 8-9 in N3184.Q1 (16)	1200 Secs (1268 Secs) [==>1268.0 Secs]	[2]
	9	WFC3 - F33 6W 1b	ANY	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	FLASH=14		Prime + Parallel Gro up 8-9 in N3184.Q1 (16)	800 Secs (1199 Secs) [==>1199.0 Secs]	[2]
	10	Orbit 3 - FP- POS 3 (1004640)	(21) SDSSJ101821.0 7+411912.3	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=48 19; FP-POS=3; SEGMENT=BOTH		Prime + Parallel Gro up 10-11 in N3184.Q 1 (16)	1200 Secs (1256 Secs) [==>1256.0 Secs]	[3]
	11	WFC3 - F33 6W 2a	ANY	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	FLASH=14		Prime + Parallel Gro up 10-11 in N3184.Q 1 (16)	800 Secs (1254 Secs) [==>1254.0 Secs]	[3]
	12	Orbit 3 - FP- POS 4 (1004640)	(21) SDSSJ101821.0 7+411912.3	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=48 19; FP-POS=4; SEGMENT=BOTH		Prime + Parallel Gro up 12-13 in N3184.Q 1 (16)	1200 Secs (1256 Secs) [==>1256.0 Secs]	[3]
	13	WFC3 - F33 6W 2b	ANY	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W	FLASH=14		Prime + Parallel Gro up 12-13 in N3184.Q 1 (16)	800 Secs (1187 Secs) [==>1187.0 Secs]	[3]

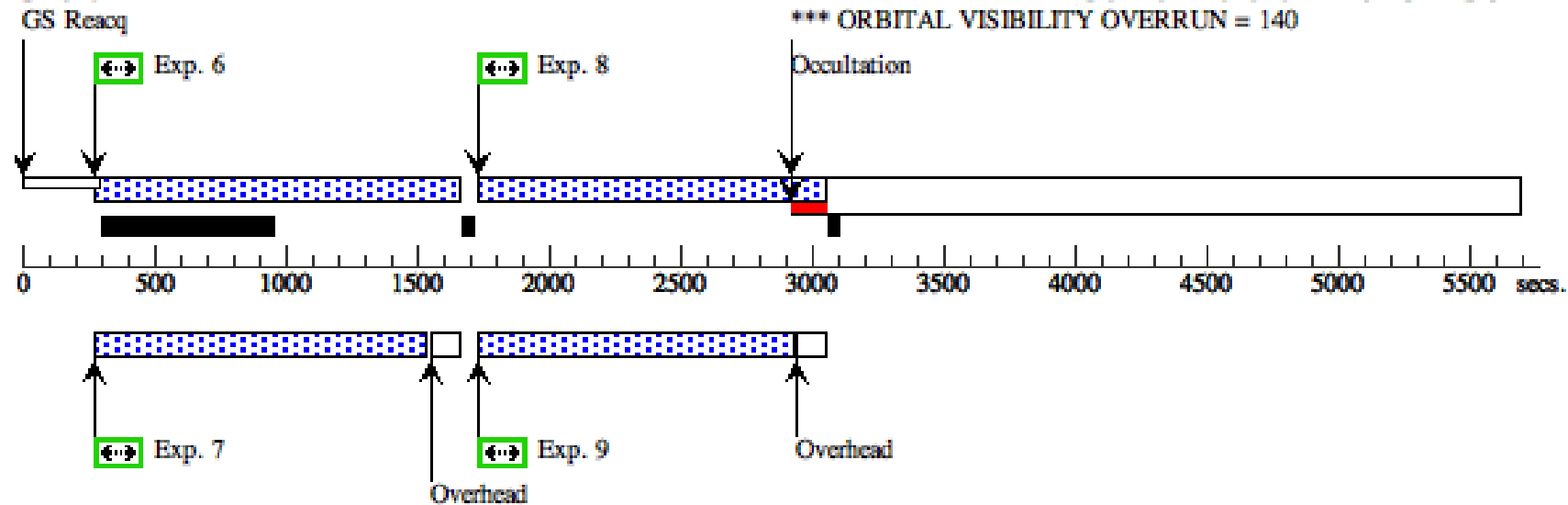
Proposal 15196 - N3184.Q1 (16) - How Do Inflows and Outflows from Galaxies Create Their Inner Circumgalactic Medium?

	14	Orbit 4 - FP- (21) SDSSJ101821.0 COS/FUV, TIME-TAG, PSA POS 3 7+411912.3 (1004640)	G130M 1291 A	BUFFER-TIME=48 19; FP-POS=3; SEGMENT=BOTH	Prime + Parallel Gro up 14-15 in N3184.Q 1 (16)	1200 Secs (1256 Secs) [=>1256.0 Secs]	[4]
	15	WFC3 - F33 ANY 6W 3a	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W FLASH=14	Prime + Parallel Gro up 14-15 in N3184.Q 1 (16)	800 Secs (1254 Secs) [=>1254.0 Secs]	[4]
	16	Orbit 4 - FP- (21) SDSSJ101821.0 COS/FUV, TIME-TAG, PSA POS 4 7+411912.3 (1004640)	G130M 1291 A	BUFFER-TIME=48 19; FP-POS=4; SEGMENT=BOTH	Prime + Parallel Gro up 16-17 in N3184.Q 1 (16)	1200 Secs (1256 Secs) [=>1256.0 Secs]	[4]
	17	WFC3 - F33 ANY 6W 3b	WFC3/UVIS, ACCUM, UVIS-CENTER	F336W FLASH=14	Prime + Parallel Gro up 16-17 in N3184.Q 1 (16)	800 Secs (1187 Secs) [=>1187.0 Secs]	[4]



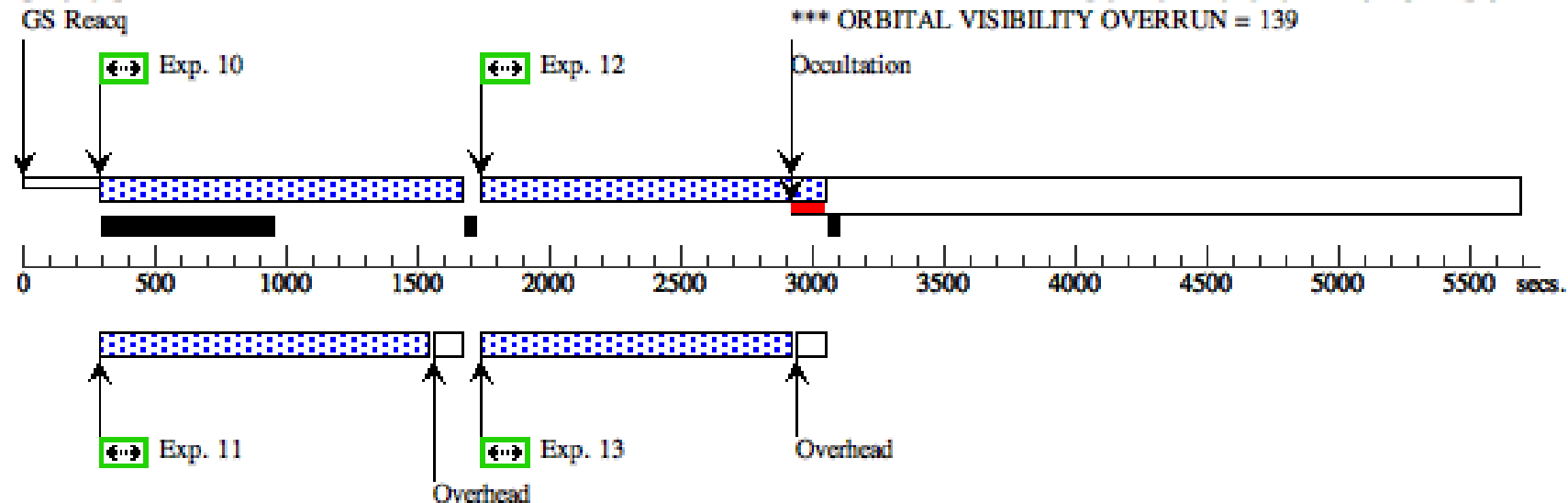
Orbit 2

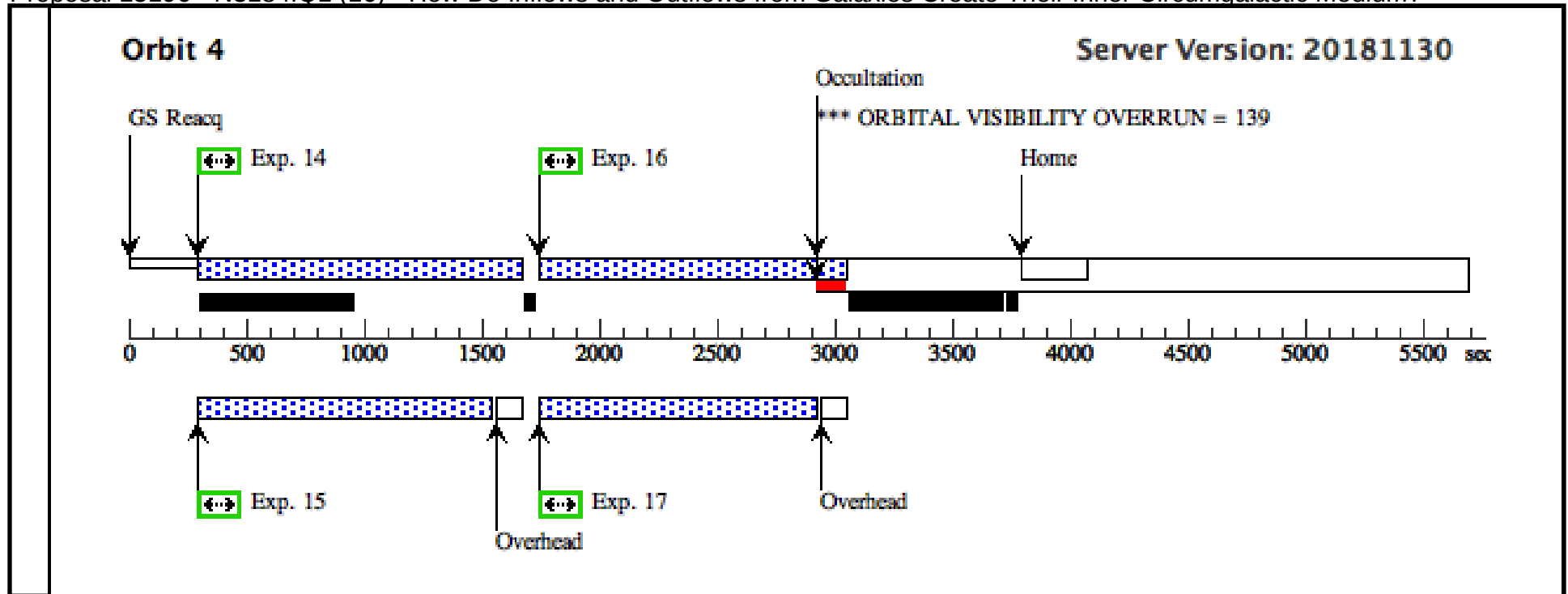
Server Version: 20181130



Orbit 3

Server Version: 20181130





Proposal 15196 - N3184.Q2 - VISIT 1 (17) - How Do Inflows and Outflows from Galaxies Create Their Inner Circumgalactic Medium?

Visit	Proposal 15196, N3184.Q2 - VISIT 1 (17), scheduling Thu Mar 07 15:01:31 GMT 2019 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, COS/FUV, COS/NUV Special Requirements: SCHED 100%; ORIENT 125D TO 126 D Comments: First of 3 visits, 4 orbits of 10 Optimum ORIENT is 131 degrees																												
Diagnostics	(N3184.Q2 - VISIT 1 (17)) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. (N3184.Q2 - VISIT 1 (17)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/IMAGE. (N3184.Q2 - VISIT 1 (17)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS (N3184.Q2 - VISIT 1 (17)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS (N3184.Q2 - VISIT 1 (17)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS (N3184.Q2 - VISIT 1 (17)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (N3184.Q2 - VISIT 1 (17)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (N3184.Q2 - VISIT 1 (17)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (N3184.Q2 - VISIT 1 (17)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Parallel WFC3 - F280N 1a (17.003)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser (Parallel WFC3 - F280N - 1b (17.005)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser (Parallel WFC3 - F280N 2a (17.007)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser (Parallel WFC3 - F280N - 2b (17.009)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser (Parallel WFC3 - F280N - 3a (17.011)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser (Parallel WFC3 - F280N - 3b (17.013)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser (Parallel WFC3 - F280N - 4a (17.015)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser (Parallel WFC3 - F280N - 4b (17.017)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser																												
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>(22)</td><td>SDSSJ101858.58+412455.9</td><td>RA: 10 18 58.6170 (154.7442375d)</td><td></td><td>V=19.1+/-0.1</td><td>Reference Frame: ICRS</td></tr> <tr> <td></td><td>Alt Name1: N3184.Q2</td><td>Dec: +41 24 55.90 (41.41553d)</td><td></td><td>GALEX FUV = 25 micro-Jy</td><td></td></tr> <tr> <td></td><td></td><td>Equinox: J2000</td><td></td><td></td><td></td></tr> </table> Comments: Category=GALAXY Description=[QSO] Extended=NO					#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(22)	SDSSJ101858.58+412455.9	RA: 10 18 58.6170 (154.7442375d)		V=19.1+/-0.1	Reference Frame: ICRS		Alt Name1: N3184.Q2	Dec: +41 24 55.90 (41.41553d)		GALEX FUV = 25 micro-Jy				Equinox: J2000			
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																								
(22)	SDSSJ101858.58+412455.9	RA: 10 18 58.6170 (154.7442375d)		V=19.1+/-0.1	Reference Frame: ICRS																								
	Alt Name1: N3184.Q2	Dec: +41 24 55.90 (41.41553d)		GALEX FUV = 25 micro-Jy																									
		Equinox: J2000																											

Proposal 15196 - N3184.Q2 - VISIT 1 (17) - How Do Inflows and Outflows from Galaxies Create Their Inner Circumgalactic Medium?

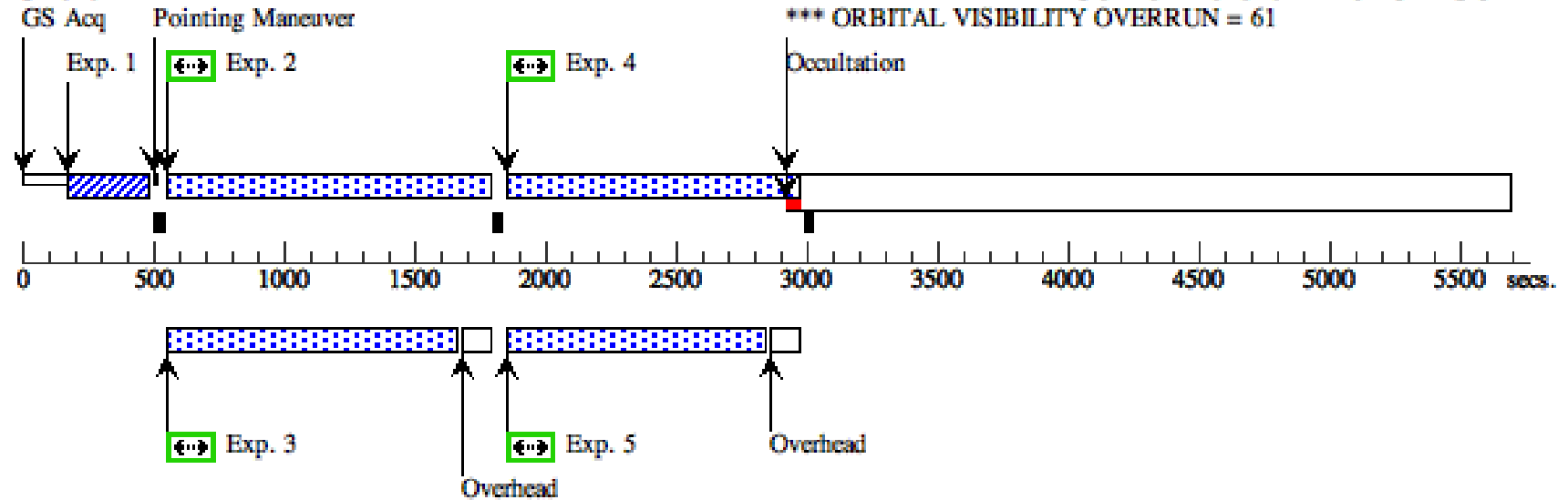
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	V1 - ACQ (1004506)	(22) SDSSJ101858.5 8+412455.9	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				48 Secs (48 Secs) [==>]	
	2	V1 - Orbit 1 - FP-POS 4 (1004641)	(22) SDSSJ101858.5 8+412455.9	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 85; SEGMENT=BOTH; FP-POS=3		Prime + Parallel Gro up 2-3 in N3184.Q2 - VISIT 1 (17)	1000 Secs (1067 Secs) [==>1067.0 Secs]	[1]
	3	WFC3 - F28 ON 1a	ANY	WFC3/UVIS, ACCUM, UVIS-CENTER	F280N	FLASH=14		Prime + Parallel Gro up 2-3 in N3184.Q2 - VISIT 1 (17)	800 Secs (1081 Secs) [==>1081.0 Secs]	[1]
	4	V1 - Orbit 1 - FP-POS 3 (1004641)	(22) SDSSJ101858.5 8+412455.9	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 85; SEGMENT=BOTH; FP-POS=4		Prime + Parallel Gro up 4-5 in N3184.Q2 - VISIT 1 (17)	1000 Secs (1067 Secs) [==>1067.0 Secs]	[1]
	5	WFC3 - F28 ON - 1b	ANY	WFC3/UVIS, ACCUM, UVIS-CENTER	F280N	FLASH=14		Prime + Parallel Gro up 4-5 in N3184.Q2 - VISIT 1 (17)	800 Secs (997 Secs) [==>997.0 Secs]	[1]
	6	V1 - Orbit 2 - FP-POS 3 (1004641)	(22) SDSSJ101858.5 8+412455.9	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 85; SEGMENT=BOTH; FP-POS=3		Prime + Parallel Gro up 6-7 in N3184.Q2 - VISIT 1 (17)	1200 Secs (1256 Secs) [==>1256.0 Secs]	[2]
	7	WFC3 - F28 ON 2a	ANY	WFC3/UVIS, ACCUM, UVIS2-FIX	F280N	FLASH=14		Prime + Parallel Gro up 6-7 in N3184.Q2 - VISIT 1 (17)	1200 Secs (1254 Secs) [==>1254.0 Secs]	[2]
	8	V1 - Orbit 2 - FP-POS 4 (1004641)	(22) SDSSJ101858.5 8+412455.9	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 85; SEGMENT=BOTH; FP-POS=4		Prime + Parallel Gro up 8-9 in N3184.Q2 - VISIT 1 (17)	1200 Secs (1256 Secs) [==>1256.0 Secs]	[2]
	9	WFC3 - F28 ON - 2b	ANY	WFC3/UVIS, ACCUM, UVIS2-FIX	F280N	FLASH=14		Prime + Parallel Gro up 8-9 in N3184.Q2 - VISIT 1 (17)	1200 Secs (1311 Secs) [==>1311.0 Secs]	[2]
	10	V1 - Orbit 3 - FP-POS 3 (1004641)	(22) SDSSJ101858.5 8+412455.9	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 85; SEGMENT=BOTH; FP-POS=3		Prime + Parallel Gro up 10-11 in N3184.Q 2 - VISIT 1 (17)	1200 Secs (1256 Secs) [==>1256.0 Secs]	[3]
	11	WFC3 - F28 ON - 3a	ANY	WFC3/UVIS, ACCUM, UVIS2-FIX	F280N	FLASH=14		Prime + Parallel Gro up 10-11 in N3184.Q 2 - VISIT 1 (17)	800 Secs (1254 Secs) [==>1254.0 Secs]	[3]
	12	V1 - Orbit 3 - FP-POS 4 (1004641)	(22) SDSSJ101858.5 8+412455.9	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 85; SEGMENT=BOTH; FP-POS=4		Prime + Parallel Gro up 12-13 in N3184.Q 2 - VISIT 1 (17)	1200 Secs (1256 Secs) [==>1256.0 Secs]	[3]
	13	WFC3 - F28 ON - 3b	ANY	WFC3/UVIS, ACCUM, UVIS2-FIX	F280N	FLASH=14		Prime + Parallel Gro up 12-13 in N3184.Q 2 - VISIT 1 (17)	1000 Secs (1187 Secs) [==>1187.0 Secs]	[3]
	14	V1 - Orbit 3 - FP-POS 3 (1004641)	(22) SDSSJ101858.5 8+412455.9	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 85; SEGMENT=BOTH; FP-POS=3		Prime + Parallel Gro up 14-15 in N3184.Q 2 - VISIT 1 (17)	1200 Secs (1256 Secs) [==>1256.0 Secs]	[4]

Proposal 15196 - N3184.Q2 - VISIT 1 (17) - How Do Inflows and Outflows from Galaxies Create Their Inner Circumgalactic Medium?

15	WFC3 - F28 ANY ON - 4a	WFC3/UVIS, ACCUM, UVIS2-FIX F280N	FLASH=14	Prime + Parallel Group 14-15 in N3184.Q2 - VISIT 1 (17)	1000 Secs (1254 Secs)	
					[==>1254.0 Secs]	[4]
16	V1 - Orbit 3 (22) SDSSJ101858.5 - FP-POS 4 8+412455.9 (1004641)	COS/FUV, TIME-TAG, PSA G130M 1291 A	BUFFER-TIME=54 85; SEGMENT=BOTH; FP-POS=4	Prime + Parallel Group 16-17 in N3184.Q2 - VISIT 1 (17)	1200 Secs (1256 Secs)	
					[==>1256.0 Secs]	[4]
17	WFC3 - F28 ANY ON - 4b	WFC3/UVIS, ACCUM, UVIS2-FIX F280N	FLASH=14	Prime + Parallel Group 16-17 in N3184.Q2 - VISIT 1 (17)	1000 Secs (1187 Secs)	
					[==>1187.0 Secs]	[4]

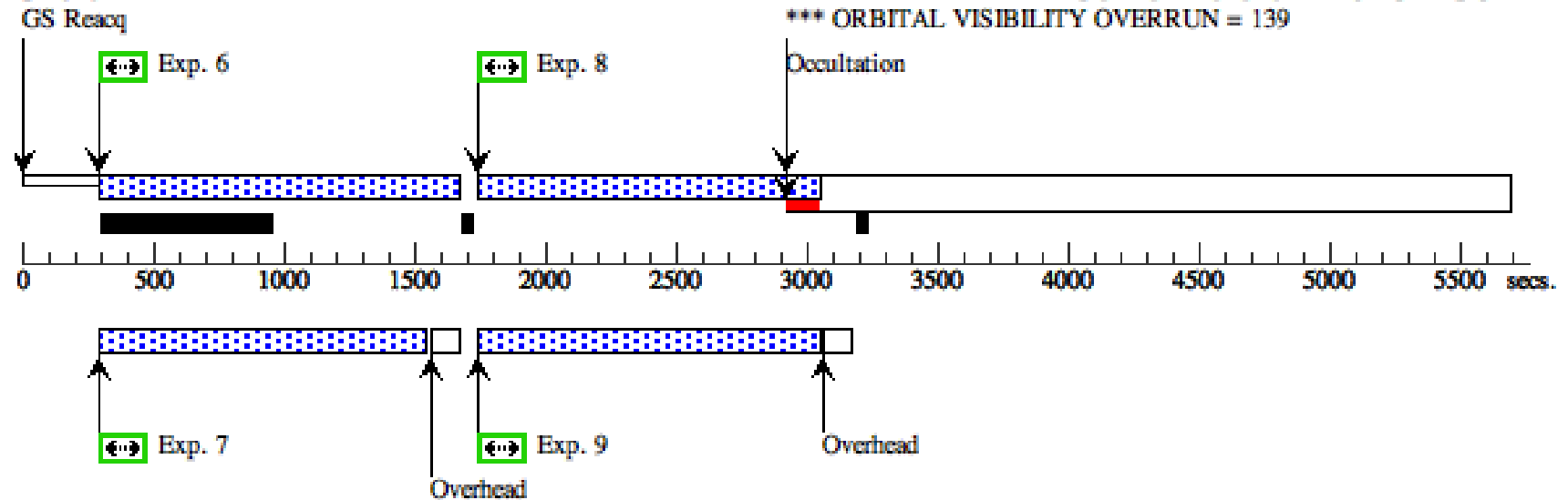
Orbit 1

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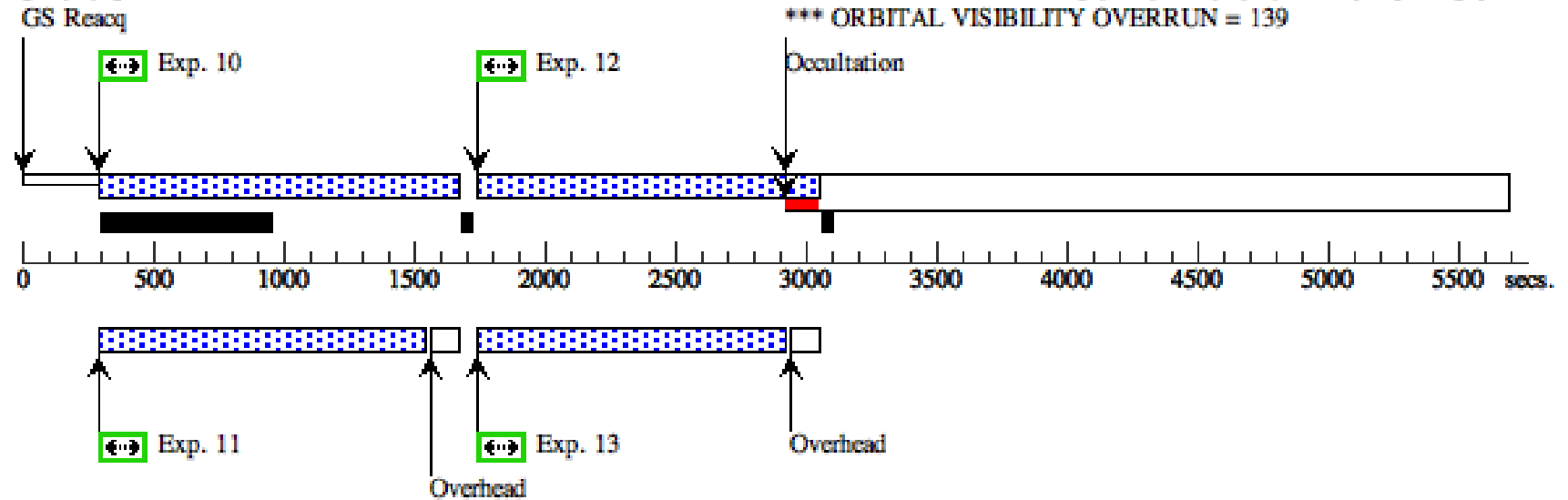
Orbit 2

Server Version: 20181130



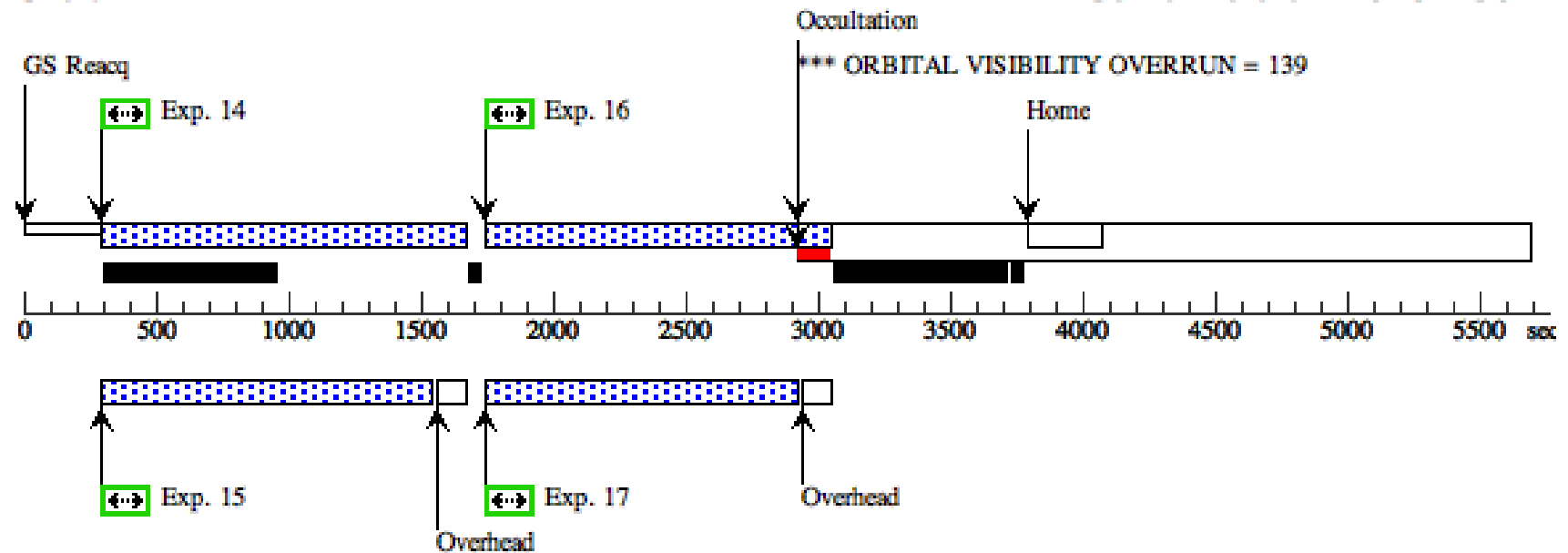
Orbit 3

Server Version: 20181130



Orbit 4

Server Version: 20181130



Proposal 15196 - N3184.Q2 - VISIT 2 (18) - How Do Inflows and Outflows from Galaxies Create Their Inner Circumgalactic Medium?

Proposal 15196, N3184.Q2 - VISIT 2 (18), completed					Thu Mar 07 15:01:31 GMT 2019	
Visit	Diagnostic Status: Warning					
	Scientific Instruments: WFC3/UVIS, COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%; ORIENT -1D TO +1D FROM 17					
	Comments: Second of 3 visits, 4 orbits of 10					
Diagnostics	(N3184.Q2 - VISIT 2 (18)) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.					
	(N3184.Q2 - VISIT 2 (18)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/IMAGE.					
	(N3184.Q2 - VISIT 2 (18)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS					
	(N3184.Q2 - VISIT 2 (18)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS					
	(N3184.Q2 - VISIT 2 (18)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS					
	(N3184.Q2 - VISIT 2 (18)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(N3184.Q2 - VISIT 2 (18)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(N3184.Q2 - VISIT 2 (18)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(N3184.Q2 - VISIT 2 (18)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(Parallel WFC3 - F280N 5a (18.003)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser					
	(Parallel WFC3 - F280N 5b (18.005)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser					
	(Parallel WFC3 - F280N 6a (18.007)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser					
	(Parallel WFC3 - F280N 6b (18.009)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser					
	(Parallel WFC3 - F280N 7a (18.011)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser					
	(Parallel WFC3 - F280N 7b (18.013)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser					
	(Parallel WFC3 - F280N 8a (18.015)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser					
(Parallel WFC3 - F280N 8b (18.017)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(22)	SDSSJ101858.58+412455.9	RA: 10 18 58.6170 (154.7442375d)		V=19.1+/-0.1	Reference Frame: ICRS
		Alt Name1: N3184.Q2	Dec: +41 24 55.90 (41.41553d)		GALEX FUV = 25 micro-Jy	
			Equinox: J2000			
Comments: Category=GALAXY Description=[QSO] Extended=NO						

Proposal 15196 - N3184.Q2 - VISIT 2 (18) - How Do Inflows and Outflows from Galaxies Create Their Inner Circumgalactic Medium?

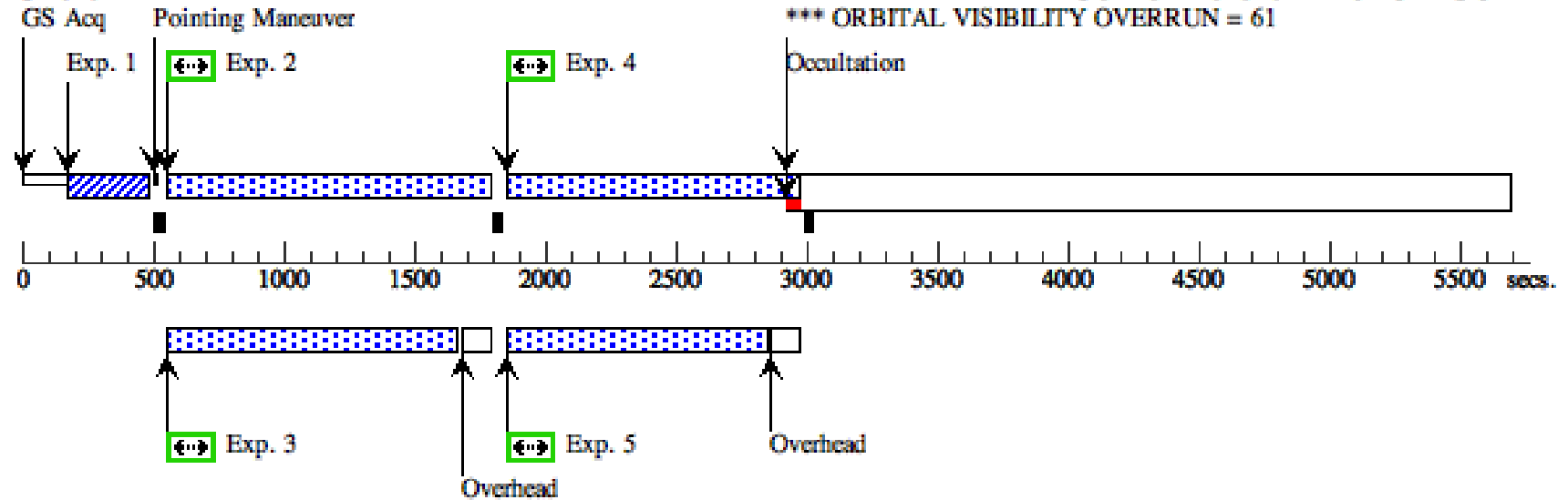
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	V2 - ACQ (1004506)	(22) SDSSJ101858.5 8+412455.9	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				48 Secs (48 Secs) [==>]	
	2	V2 - Orbit 1 - FP-POS 3 (1004641)	(22) SDSSJ101858.5 8+412455.9	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 85; SEGMENT=BOTH; FP-POS=3		Prime + Parallel Gro up 2-3 in N3184.Q2 - VISIT 2 (18)	1000 Secs (1067 Secs) [==>1067.0 Secs]	[1]
	3	WFC3 - F28 ON 5a	ANY	WFC3/UVIS, ACCUM, UVIS-CENTER	F280N	FLASH=14		Prime + Parallel Gro up 2-3 in N3184.Q2 - VISIT 2 (18)	800 Secs (1081 Secs) [==>1081.0 Secs]	[1]
	4	V2 - Orbit 1 - FP-POS 4 (1004641)	(22) SDSSJ101858.5 8+412455.9	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 85; SEGMENT=BOTH; FP-POS=4		Prime + Parallel Gro up 4-5 in N3184.Q2 - VISIT 2 (18)	1000 Secs (1067 Secs) [==>1067.0 Secs]	[1]
	5	WFC3 - F28 ON 5b	ANY	WFC3/UVIS, ACCUM, UVIS-CENTER	F280N	FLASH=14		Prime + Parallel Gro up 4-5 in N3184.Q2 - VISIT 2 (18)	800 Secs (998 Secs) [==>998.0 Secs]	[1]
	6	V2 - Orbit 2 - FP-POS 3 (1004641)	(22) SDSSJ101858.5 8+412455.9	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 85; SEGMENT=BOTH; FP-POS=3		Prime + Parallel Gro up 6-7 in N3184.Q2 - VISIT 2 (18)	1200 Secs (1256 Secs) [==>1256.0 Secs]	[2]
	7	WFC3 - F28 ON 6a	ANY	WFC3/UVIS, ACCUM, UVIS-CENTER	F280N	FLASH=14		Prime + Parallel Gro up 6-7 in N3184.Q2 - VISIT 2 (18)	800 Secs (1254 Secs) [==>1254.0 Secs]	[2]
	8	V2 - Orbit 2 - FP-POS 4 (1004641)	(22) SDSSJ101858.5 8+412455.9	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 85; SEGMENT=BOTH; FP-POS=4		Prime + Parallel Gro up 8-9 in N3184.Q2 - VISIT 2 (18)	1200 Secs (1256 Secs) [==>1256.0 Secs]	[2]
	9	WFC3 - F28 ON 6b	ANY	WFC3/UVIS, ACCUM, UVIS-CENTER	F280N	FLASH=14		Prime + Parallel Gro up 8-9 in N3184.Q2 - VISIT 2 (18)	800 Secs (1187 Secs) [==>1187.0 Secs]	[2]
	10	V2 - Orbit 3 - FP-POS 3 (1004641)	(22) SDSSJ101858.5 8+412455.9	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 85; SEGMENT=BOTH; FP-POS=3		Prime + Parallel Gro up 10-11 in N3184.Q 2 - VISIT 2 (18)	1200 Secs (1256 Secs) [==>1256.0 Secs]	[3]
	11	WFC3 - F28 ON 7a	ANY	WFC3/UVIS, ACCUM, UVIS-CENTER	F280N	FLASH=14		Prime + Parallel Gro up 10-11 in N3184.Q 2 - VISIT 2 (18)	800 Secs (1254 Secs) [==>1254.0 Secs]	[3]
	12	V2 - Orbit 3 - FP-POS 4 (1004641)	(22) SDSSJ101858.5 8+412455.9	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 85; SEGMENT=BOTH; FP-POS=4		Prime + Parallel Gro up 12-13 in N3184.Q 2 - VISIT 2 (18)	1200 Secs (1256 Secs) [==>1256.0 Secs]	[3]
	13	WFC3 - F28 ON 7b	ANY	WFC3/UVIS, ACCUM, UVIS-CENTER	F280N	FLASH=14		Prime + Parallel Gro up 12-13 in N3184.Q 2 - VISIT 2 (18)	800 Secs (1187 Secs) [==>1187.0 Secs]	[3]
	14	V2 - Orbit 3 - FP-POS 3 (1004641)	(22) SDSSJ101858.5 8+412455.9	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 85; SEGMENT=BOTH; FP-POS=3		Prime + Parallel Gro up 14-15 in N3184.Q 2 - VISIT 2 (18)	1200 Secs (1256 Secs) [==>1256.0 Secs]	[4]

Proposal 15196 - N3184.Q2 - VISIT 2 (18) - How Do Inflows and Outflows from Galaxies Create Their Inner Circumgalactic Medium?

	15	WFC3 - F28 ANY 0N 8a	WFC3/UVIS, ACCUM, UVIS-CENTER	F280N	FLASH=14	Prime + Parallel Gro up 14-15 in N3184.Q 2 - VISIT 2 (18)	800 Secs (1254 Secs)	
							[==>1254.0 Secs]	[4]
	16	V2 - Orbit 3 (22) SDSSJ101858.5 - FP-POS 4 8+412455.9 (1004641)	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 85; SEGMENT=BOTH; FP-POS=4	Prime + Parallel Gro up 16-17 in N3184.Q 2 - VISIT 2 (18)	1200 Secs (1256 Secs)	
							[==>1256.0 Secs]	[4]
	17	WFC3 - F28 ANY 0N 8b	WFC3/UVIS, ACCUM, UVIS-CENTER	F280N	FLASH=14	Prime + Parallel Gro up 16-17 in N3184.Q 2 - VISIT 2 (18)	800 Secs (1187 Secs)	
							[==>1187.0 Secs]	[4]

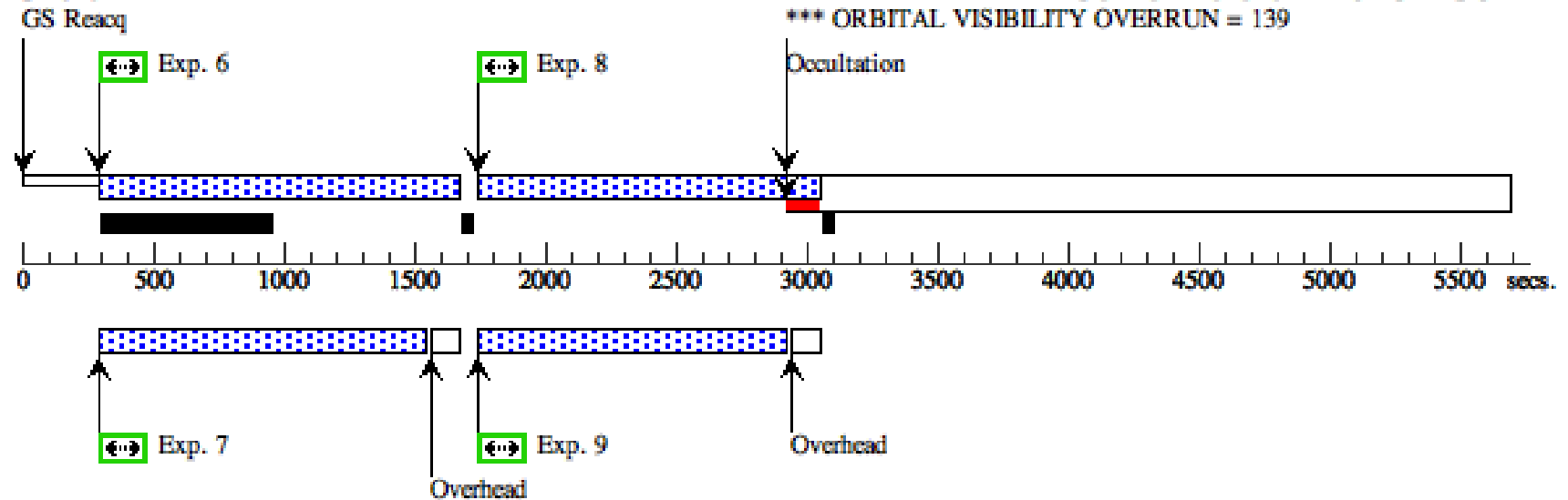
Orbit 1

Server Version: 20181130



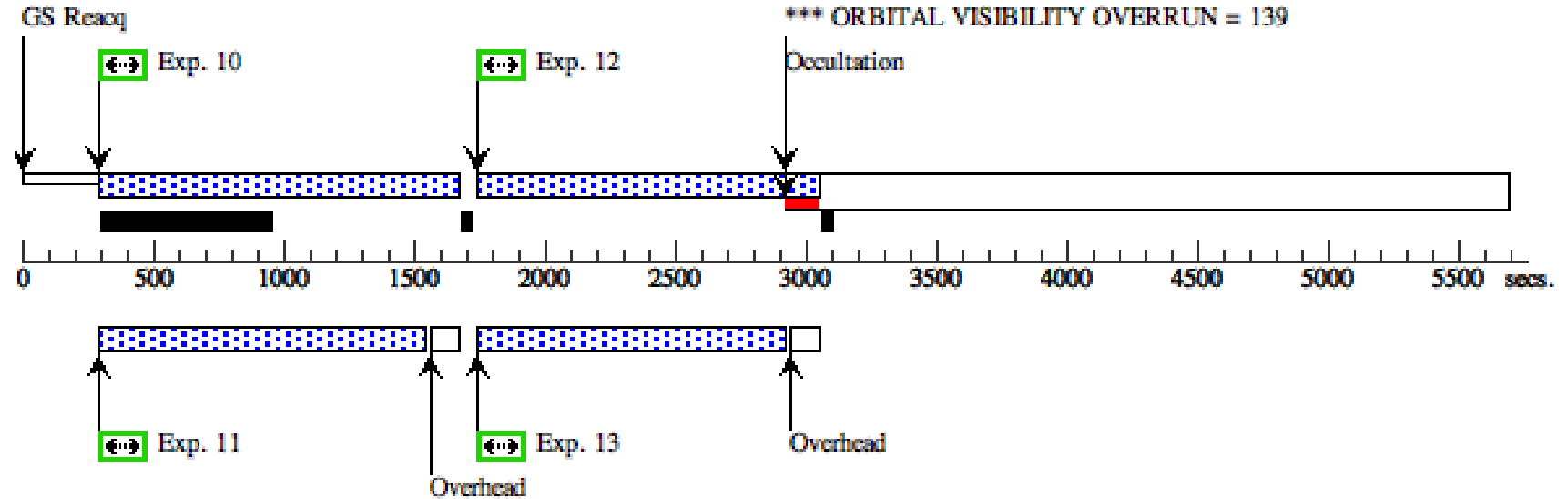
Orbit 2

Server Version: 20181130



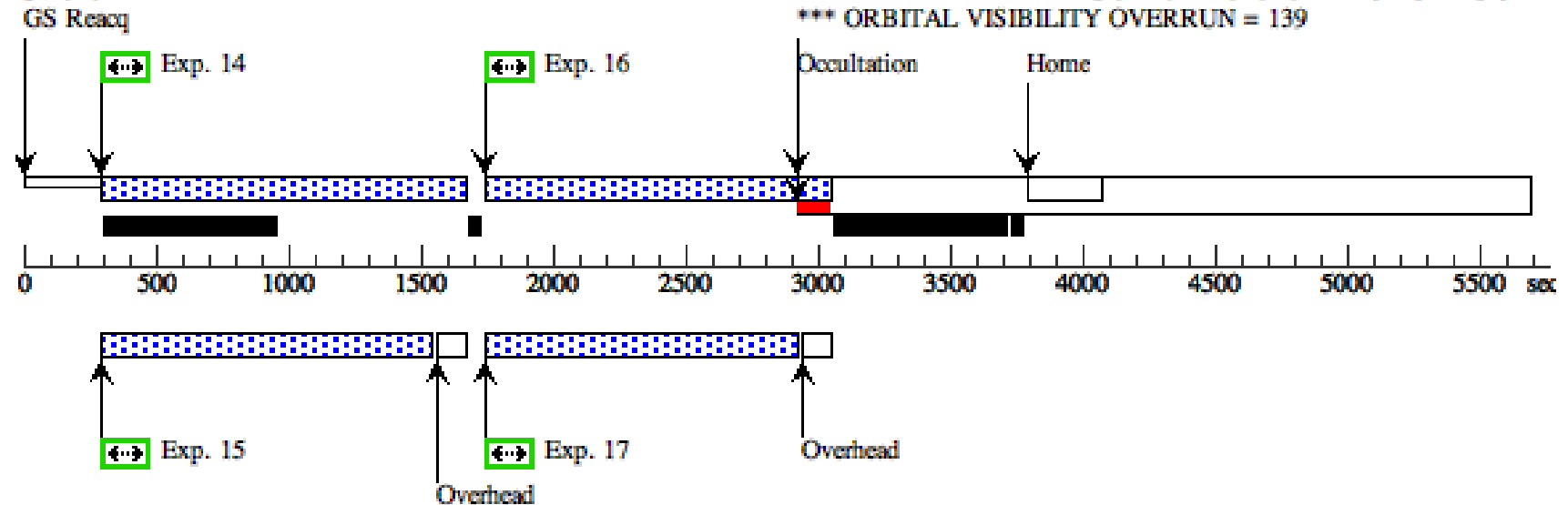
Orbit 3

Server Version: 20181130



Orbit 4

Server Version: 20181130

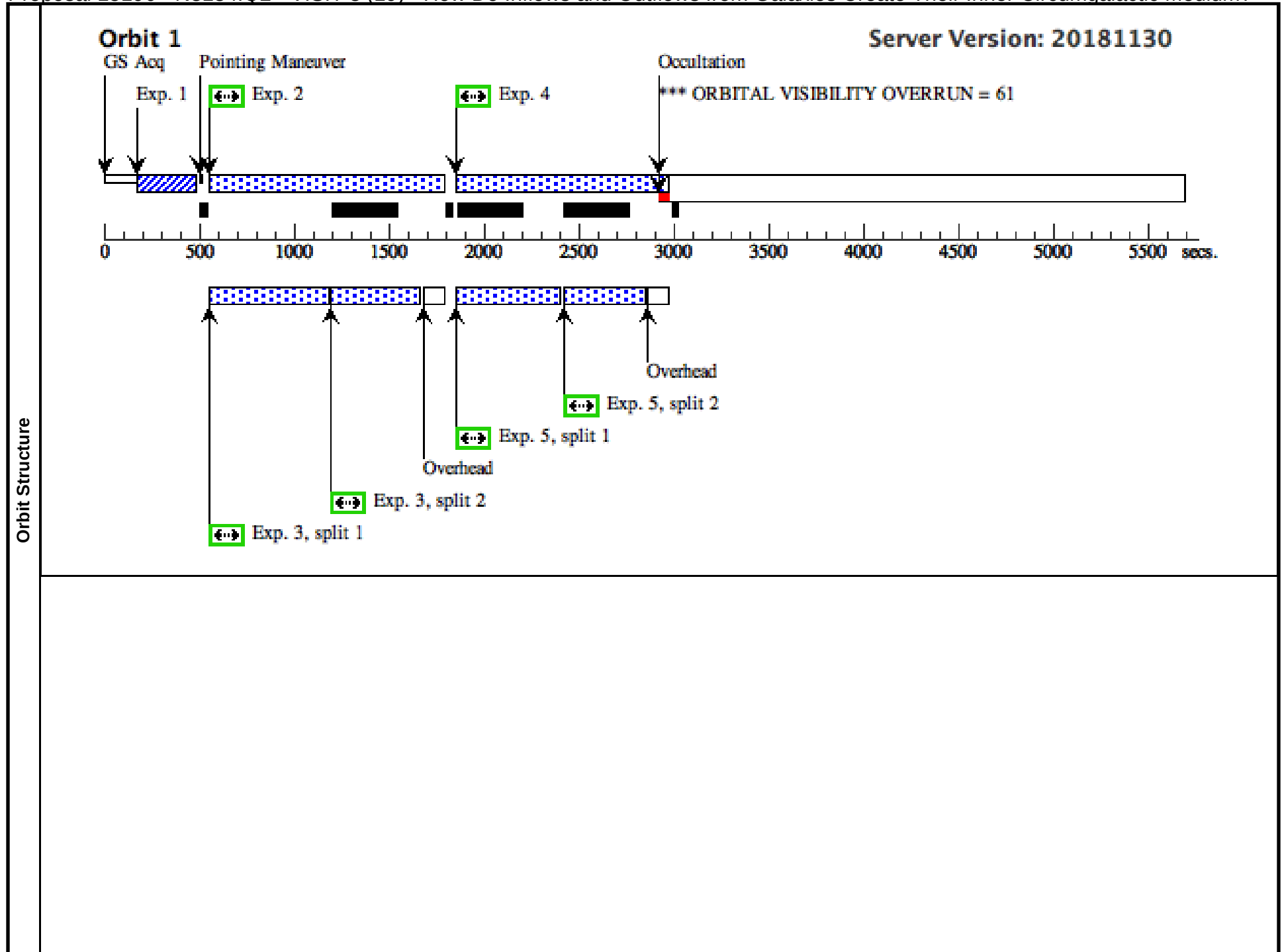


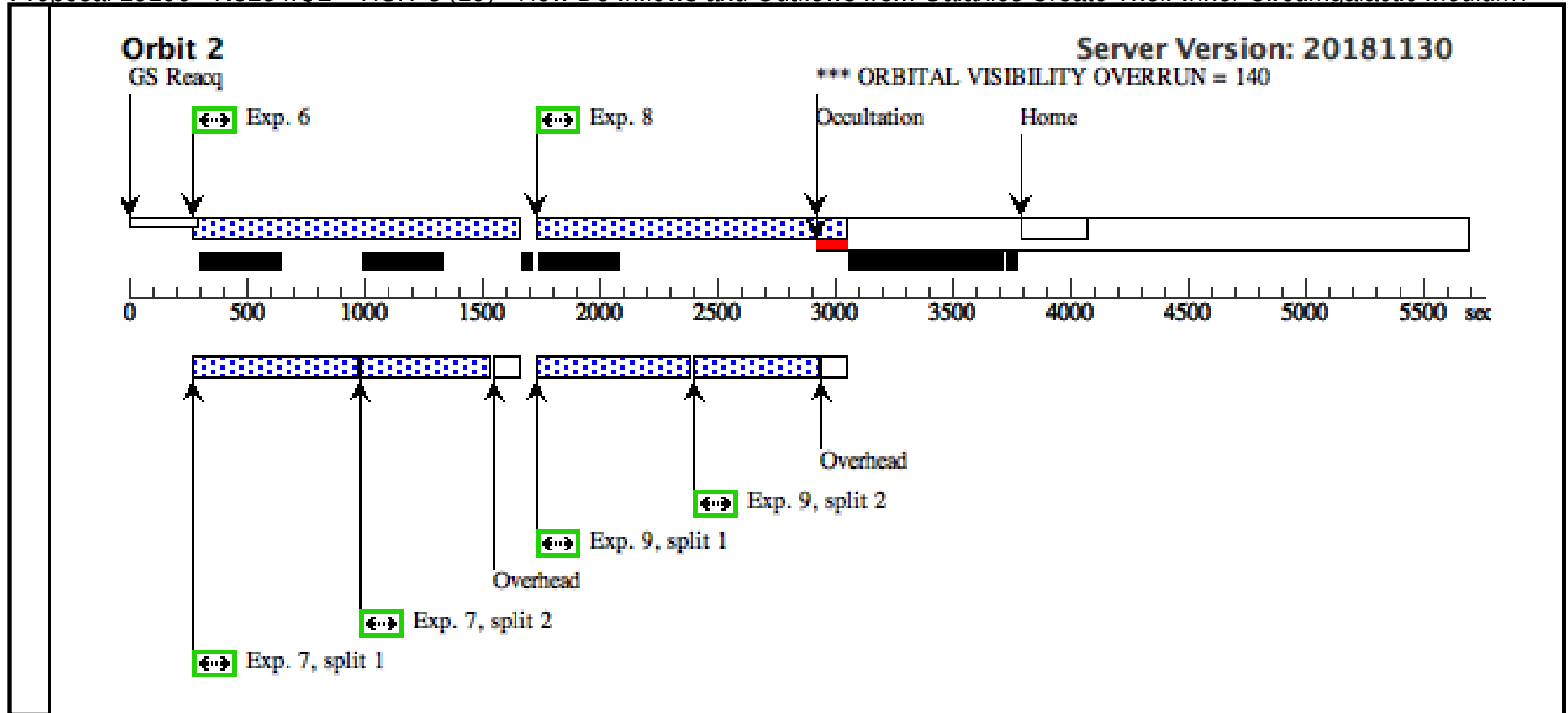
Proposal 15196 - N3184.Q2 - VISIT 3 (19) - How Do Inflows and Outflows from Galaxies Create Their Inner Circumgalactic Medium?

Visit	Proposal 15196, N3184.Q2 - VISIT 3 (19), completed Thu Mar 07 15:01:31 GMT 2019				
	Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, COS/FUV, COS/NUV Special Requirements: SCHED 100%; ORIENT -1D TO +1D FROM 17 <i>Comments: Third of 3 visits, 2 orbits of 10</i>				
Diagnostics	(N3184.Q2 - VISIT 3 (19)) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. (N3184.Q2 - VISIT 3 (19)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/IMAGE. (N3184.Q2 - VISIT 3 (19)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS (N3184.Q2 - VISIT 3 (19)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (N3184.Q2 - VISIT 3 (19)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Parallel WFC3 - F275W 1a (19.007)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser (Parallel WFC3 - F275W 1b (19.009)) Warning (Form): FLASH level may be too high for this exposure or a long subexposure. See extended explanation in the diagnostic browser				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
	(22)	SDSSJ101858.58+41245 5.9 Alt Name1: N3184.Q2	RA: 10 18 58.6170 (154.7442375d) Dec: +41 24 55.90 (41.41553d) Equinox: J2000		V=19.1+/-0.1 GALEX FUV = 25 micro-Jy
	<i>Comments:</i> Category=GALAXY Description=[QSO] Extended=NO				

Proposal 15196 - N3184.Q2 - VISIT 3 (19) - How Do Inflows and Outflows from Galaxies Create Their 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	V2 - ACQ (1004506)	(22) SDSSJ101858.5 8+412455.9	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				48 Secs (48 Secs) [==>]	
	2	V2 - Orbit 1 - FP-POS 3 (1004641)	(22) SDSSJ101858.5 8+412455.9	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 85; SEGMENT=BOTH; FP-POS=3		Prime + Parallel Gro up 2-3 in N3184.Q2 - VISIT 3 (19)	1000 Secs (1067 Secs) [==>1067.0 Secs]	[1]
	3	WFC3 - F21 8W 1a	ANY	WFC3/UVIS, ACCUM, UVIS-CENTER	F218W	FLASH=14; CR-SPLIT=2		Prime + Parallel Gro up 2-3 in N3184.Q2 - VISIT 3 (19)	800 Secs (944 Secs) [==>472.0 Secs (Split 1)] [==>472.0 Secs (Split 2)]	[1]
	4	V2 - Orbit 1 - FP-POS 4 (1004641)	(22) SDSSJ101858.5 8+412455.9	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 85; SEGMENT=BOTH; FP-POS=4		Prime + Parallel Gro up 4-5 in N3184.Q2 - VISIT 3 (19)	1000 Secs (1067 Secs) [==>1067.0 Secs]	[1]
	5	WFC3 - F21 8W 1b	ANY	WFC3/UVIS, ACCUM, UVIS-CENTER	F218W	FLASH=14; CR-SPLIT=2		Prime + Parallel Gro up 4-5 in N3184.Q2 - VISIT 3 (19)	800 Secs (862 Secs) [==>431.0 Secs (Split 1)] [==>431.0 Secs (Split 2)]	[1]
	6	V2 - Orbit 2 - FP-POS 3 (1004641)	(22) SDSSJ101858.5 8+412455.9	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 85; SEGMENT=BOTH; FP-POS=3		Prime + Parallel Gro up 6-7 in N3184.Q2 - VISIT 3 (19)	1200 Secs (1268 Secs) [==>1268.0 Secs]	[2]
	7	WFC3 - F27 5W 1a	ANY	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=14; CR-SPLIT=2		Prime + Parallel Gro up 6-7 in N3184.Q2 - VISIT 3 (19)	800 Secs (1106 Secs) [==>553.0 Secs (Split 1)] [==>553.0 Secs (Split 2)]	[2]
	8	V2 - Orbit 2 - FP-POS 4 (1004641)	(22) SDSSJ101858.5 8+412455.9	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 85; SEGMENT=BOTH; FP-POS=4		Prime + Parallel Gro up 8-9 in N3184.Q2 - VISIT 3 (19)	1200 Secs (1268 Secs) [==>1268.0 Secs]	[2]
	9	WFC3 - F27 5W 1b	ANY	WFC3/UVIS, ACCUM, UVIS-CENTER	F275W	FLASH=14; CR-SPLIT=2		Prime + Parallel Gro up 8-9 in N3184.Q2 - VISIT 3 (19)	800 Secs (1062 Secs) [==>531.0 Secs (Split 1)] [==>531.0 Secs (Split 2)]	[2]





Proposal 15196 - N3184.Q3 - VISIT 1 (20) - How Do Inflows and Outflows from Galaxies Create Their Inner Circumgalactic Medium?

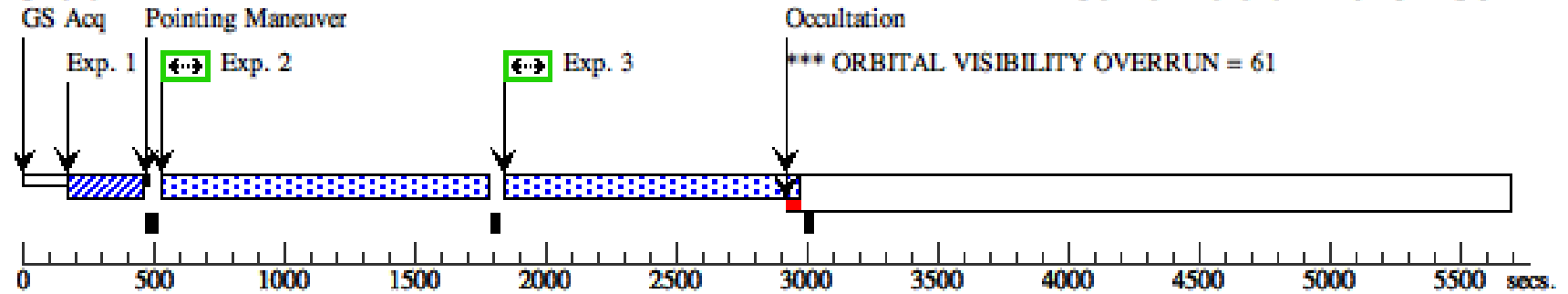
Visit	Proposal 15196, N3184.Q3 - VISIT 1 (20), completed					Thu Mar 07 15:01:31 GMT 2019
	Diagnostic Status: Warning					
	Scientific Instruments: COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%					
Comments: First of 3 visits, 4 of 9 orbits						
Diagnostics	(N3184.Q3 - VISIT 1 (20)) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.					
	(N3184.Q3 - VISIT 1 (20)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/IMAGE.					
	(N3184.Q3 - VISIT 1 (20)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS					
	(N3184.Q3 - VISIT 1 (20)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS					
	(N3184.Q3 - VISIT 1 (20)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS					
	(N3184.Q3 - VISIT 1 (20)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(N3184.Q3 - VISIT 1 (20)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(N3184.Q3 - VISIT 1 (20)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(23)	SDSSJ101843.13+413516.1	RA: 10 18 43.1820 (154.6799250d)		V=15.4+/-0.1	Reference Frame: ICRS
		Alt Name1: N3184.Q3	Dec: +41 35 16.10 (41.58781d)		GALEX FUV = 35 micro-Jy	
			Equinox: J2000			
Comments: Category=GALAXY Description=[SEYFERT] Extended=NO						

Proposal 15196 - N3184.Q3 - VISIT 1 (20) - How Do Inflows and Outflows from Galaxies Create Their 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	V1 - ACQ (1004507)	(23) SDSSJ101843.1 3+413516.1	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				34 Secs (34 Secs) [==>]	
	2	V1 - Orbit 1 - FP-POS 3 (1004642)	(23) SDSSJ101843.1 3+413516.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=53 82; SEGMENT=BOTH; FP-POS=3			1000 Secs (1081 Secs) [==>1081.0 Secs]	[1]
	3	V1 - Orbit 1 - FP-POS 4 (1004642)	(23) SDSSJ101843.1 3+413516.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=53 82; SEGMENT=BOTH; FP-POS=4			1000 Secs (1081 Secs) [==>1081.0 Secs]	[1]
	4	V1 - Orbit 2 - FP-POS 3 (1004642)	(23) SDSSJ101843.1 3+413516.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=53 82; SEGMENT=BOTH; FP-POS=3			1200 Secs (1289 Secs) [==>1289.0 Secs]	[2]
	5	V1 - Orbit 2 - FP-POS 4 (1004642)	(23) SDSSJ101843.1 3+413516.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=53 82; SEGMENT=BOTH; FP-POS=4			1200 Secs (1289 Secs) [==>1289.0 Secs]	[2]
	6	V1 - Orbit 3 - FP-POS 3 (1004642)	(23) SDSSJ101843.1 3+413516.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=53 82; SEGMENT=BOTH; FP-POS=3			1200 Secs (1289 Secs) [==>1289.0 Secs]	[3]
	7	V1 - Orbit 3 - FP-POS 4 (1004642)	(23) SDSSJ101843.1 3+413516.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=53 82; SEGMENT=BOTH; FP-POS=4			1200 Secs (1289 Secs) [==>1289.0 Secs]	[3]
	8	V1 - Orbit 4 - FP-POS 3 (1004642)	(23) SDSSJ101843.1 3+413516.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=53 82; SEGMENT=BOTH; FP-POS=3			1200 Secs (1289 Secs) [==>1289.0 Secs]	[4]
	9	V1 - Orbit 4 - FP-POS 4 (1004642)	(23) SDSSJ101843.1 3+413516.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=53 82; SEGMENT=BOTH; FP-POS=4			1200 Secs (1289 Secs) [==>1289.0 Secs]	[4]

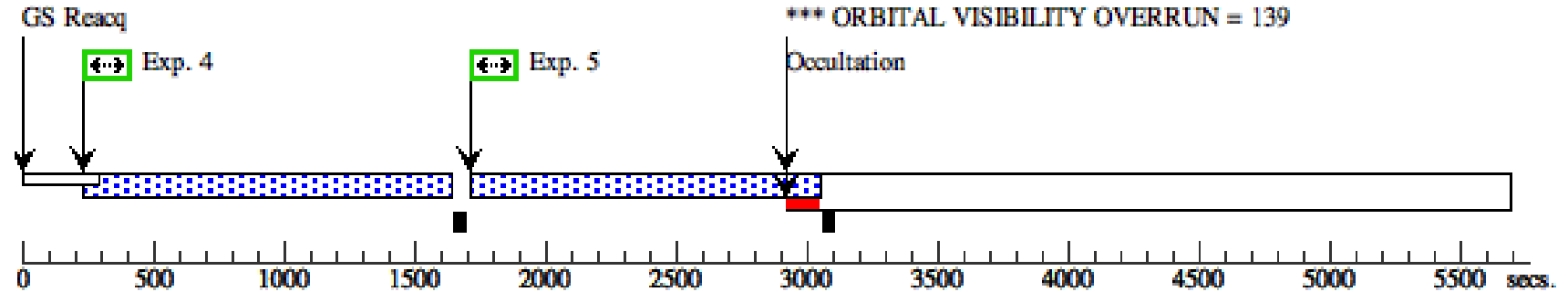
Orbit 1

Server Version: 20181130



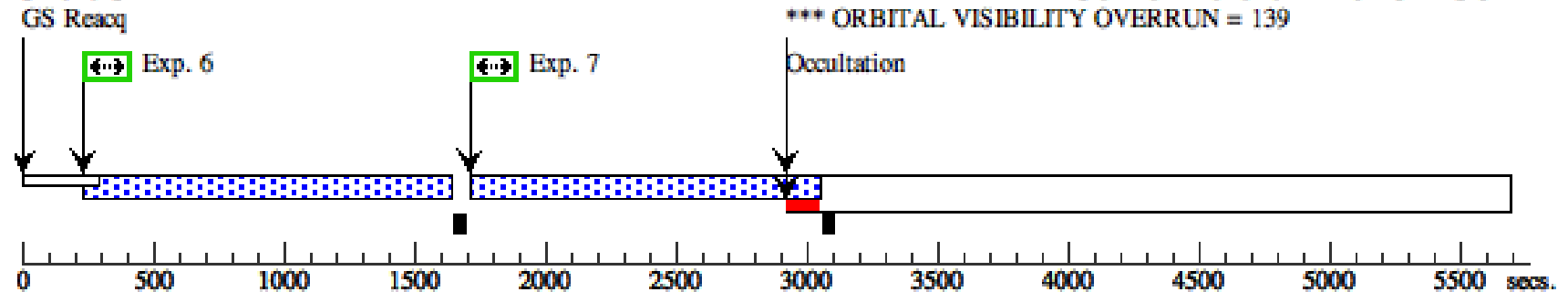
Orbit 2

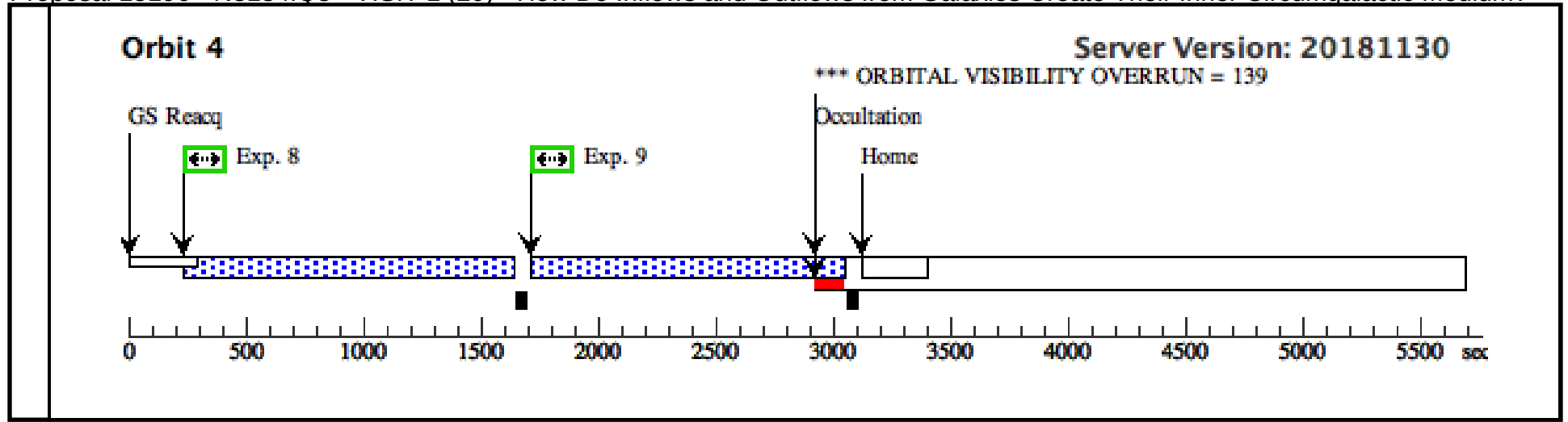
Server Version: 20181130



Orbit 3

Server Version: 20181130





Proposal 15196 - N3184.Q3 - VISIT 2 (21) - How Do Inflows and Outflows from Galaxies Create Their Inner Circumgalactic Medium?

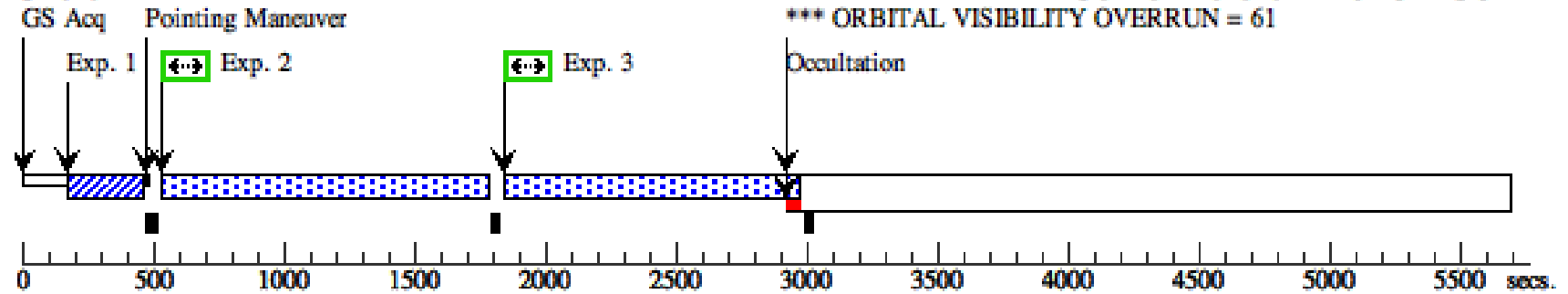
Visit	Proposal 15196, N3184.Q3 - VISIT 2 (21), completed Thu Mar 07 15:01:31 GMT 2019					
	Diagnostic Status: Warning Scientific Instruments: COS/FUV, COS/NUV Special Requirements: SCHED 100% <i>Comments: Second of 3 visits, 3 of 9 orbits</i>					
Diagnostics	(N3184.Q3 - VISIT 2 (21)) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details. (N3184.Q3 - VISIT 2 (21)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/IMAGE. (N3184.Q3 - VISIT 2 (21)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS (N3184.Q3 - VISIT 2 (21)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS (N3184.Q3 - VISIT 2 (21)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (N3184.Q3 - VISIT 2 (21)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (N3184.Q3 - VISIT 2 (21)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(23)	SDSSJ101843.13+413516.1 Alt Name1: N3184.Q3	RA: 10 18 43.1820 (154.6799250d) Dec: +41 35 16.10 (41.58781d) Equinox: J2000		V=15.4+/-0.1 GALEX FUV = 35 micro-Jy	Reference Frame: ICRS
	<i>Comments:</i> Category=GALAXY Description=[SEYFERT] Extended=NO					

Proposal 15196 - N3184.Q3 - VISIT 2 (21) - How Do Inflows and Outflows from Galaxies Create Their 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	V2 - ACQ (1004507)	(23) SDSSJ101843.1 3+413516.1	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				34 Secs (34 Secs) [==>]	
	2	V2 - Orbit 1 - FP-POS 3 (1004642)	(23) SDSSJ101843.1 3+413516.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=53 82; SEGMENT=BOTH; FP-POS=3			1000 Secs (1081 Secs) [==>1081.0 Secs]	[1]
	3	V2 - Orbit 1 - FP-POS 4 (1004642)	(23) SDSSJ101843.1 3+413516.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=53 82; SEGMENT=BOTH; FP-POS=4			1000 Secs (1081 Secs) [==>1081.0 Secs]	[1]
	4	V2 - Orbit 2 - FP-POS 3 (1004642)	(23) SDSSJ101843.1 3+413516.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=53 82; SEGMENT=BOTH; FP-POS=3			1200 Secs (1289 Secs) [==>1289.0 Secs]	[2]
	5	V2 - Orbit 2 - FP-POS 4 (1004642)	(23) SDSSJ101843.1 3+413516.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=53 82; SEGMENT=BOTH; FP-POS=4			1200 Secs (1289 Secs) [==>1289.0 Secs]	[2]
	6	V2 - Orbit 3 - FP-POS 3 (1004642)	(23) SDSSJ101843.1 3+413516.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=53 82; SEGMENT=BOTH; FP-POS=3			1200 Secs (1289 Secs) [==>1289.0 Secs]	[3]
	7	V2 - Orbit 3 - FP-POS 4 (1004642)	(23) SDSSJ101843.1 3+413516.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=53 82; SEGMENT=BOTH; FP-POS=4			1200 Secs (1289 Secs) [==>1289.0 Secs]	[3]

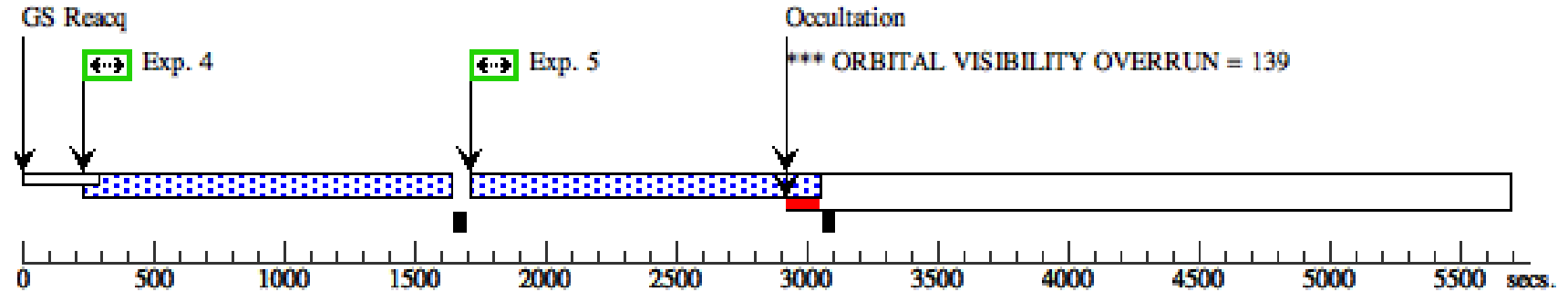
Orbit 1

Server Version: 20181130



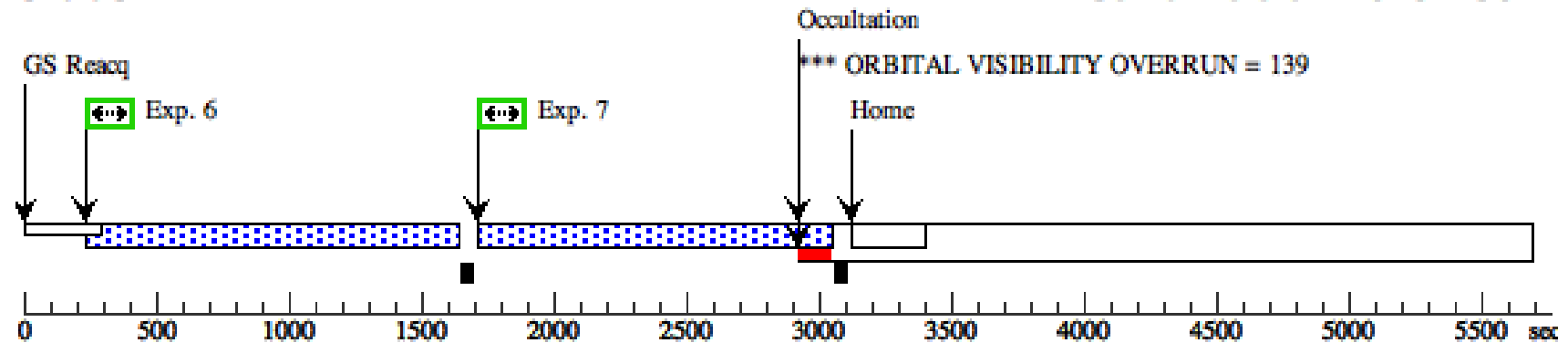
Orbit 2

Server Version: 20181130



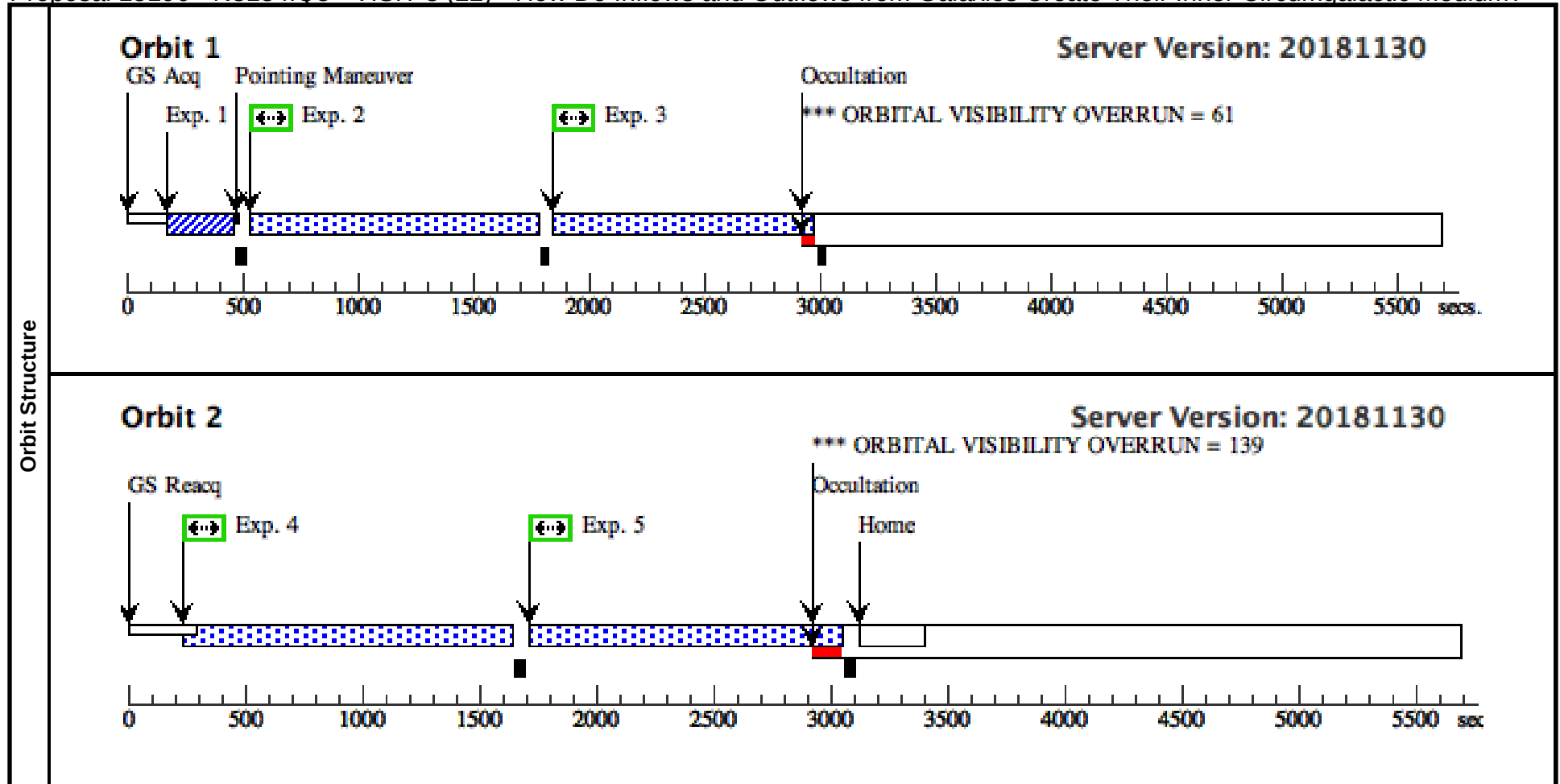
Orbit 3

Server Version: 20181130



Proposal 15196 - N3184.Q3 - VISIT 3 (22) - How Do Inflows and Outflows from Galaxies Create Their Inner Circumgalactic Medium?

Visit	Proposal 15196, N3184.Q3 - VISIT 3 (22), completed										Thu Mar 07 15:01:31 GMT 2019
	Diagnostic Status: Warning										
	Scientific Instruments: COS/FUV, COS/NUV										
	Special Requirements: SCHED 100%										
	Comments: Third of 3 visits, 2 of 9 orbits										
Diagnostics	(N3184.Q3 - VISIT 3 (22)) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.										
	(N3184.Q3 - VISIT 3 (22)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/IMAGE.										
	(N3184.Q3 - VISIT 3 (22)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS										
	(N3184.Q3 - VISIT 3 (22)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
	(N3184.Q3 - VISIT 3 (22)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
	(23)	SDSSJ101843.13+413516.1	RA: 10 18 43.1820 (154.6799250d)		V=15.4+/-0.1	Reference Frame: ICRS					
		Alt Name1: N3184.Q3	Dec: +41 35 16.10 (41.58781d)		GALEX FUV = 35 micro-Jy						
			Equinox: J2000								
	Comments: Category=GALAXY Description=[SEYFERT] Extended=NO										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	V3 - ACQ (1004507)	(23) SDSSJ101843.1 3+413516.1	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				34 Secs (34 Secs)		
									[==>]	[1]	
	2	V3 - Orbit 1 - FP-POS 3 (1004642)	(23) SDSSJ101843.1 3+413516.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=53 82;			1000 Secs (1081 Secs)		
						SEGMENT=BOTH; FP-POS=3			[==>1081.0 Secs]	[1]	
	3	V3 - Orbit 1 - FP-POS 4 (1004642)	(23) SDSSJ101843.1 3+413516.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=53 82;			1000 Secs (1081 Secs)		
						SEGMENT=BOTH; FP-POS=4			[==>1081.0 Secs]	[1]	
	4	V3 - Orbit 2 - FP-POS 3 (1004642)	(23) SDSSJ101843.1 3+413516.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=53 82;			1200 Secs (1289 Secs)		
						SEGMENT=BOTH; FP-POS=3			[==>1289.0 Secs]	[2]	
	5	V3 - Orbit 2 - FP-POS 4 (1004642)	(23) SDSSJ101843.1 3+413516.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=53 82;			1200 Secs (1289 Secs)		
					SEGMENT=BOTH; FP-POS=4			[==>1289.0 Secs]	[2]		



Proposal 15196 - N3184.Q4 - VISIT 1 (23) - How Do Inflows and Outflows from Galaxies Create Their Inner Circumgalactic Medium?

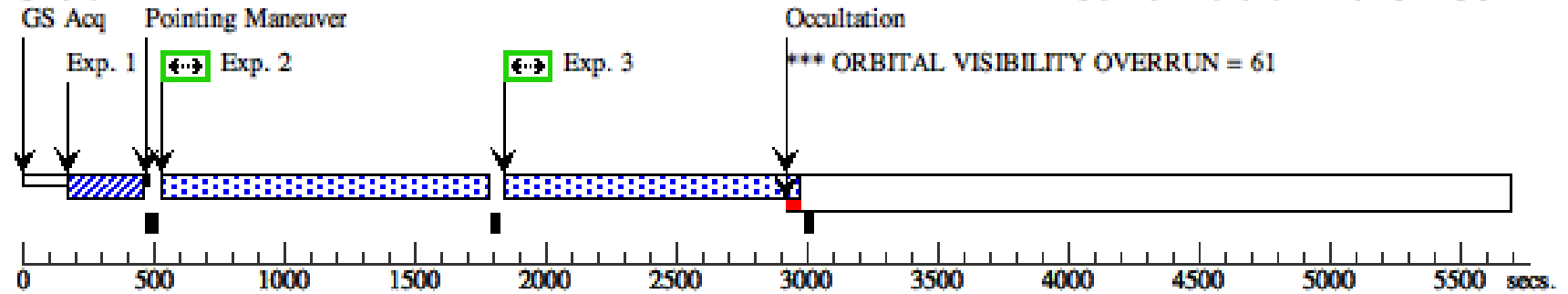
Visit	Proposal 15196, N3184.Q4 - VISIT 1 (23), scheduled					Thu Mar 07 15:01:31 GMT 2019
	Diagnostic Status: Warning					
	Scientific Instruments: COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%					
	Comments: First of 2 visits, 4 of 7 orbits					
Diagnostics	(N3184.Q4 - VISIT 1 (23)) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.					
	(N3184.Q4 - VISIT 1 (23)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/IMAGE.					
	(N3184.Q4 - VISIT 1 (23)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS					
	(N3184.Q4 - VISIT 1 (23)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS					
	(N3184.Q4 - VISIT 1 (23)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS					
	(N3184.Q4 - VISIT 1 (23)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(N3184.Q4 - VISIT 1 (23)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(N3184.Q4 - VISIT 1 (23)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(24)	SDSSJ101850.52+411508.1	RA: 10 18 50.5560 (154.7106500d)		V=17.9+/-0.1	Reference Frame: ICRS
		Alt Name1: N3184.Q4	Dec: +41 15 8.00 (41.25222d)		GALEX FUV = 34 micro-Jy	
			Equinox: J2000			
	Comments: Category=GALAXY Description=[QSO] Extended=NO					

Proposal 15196 - N3184.Q4 - VISIT 1 (23) - How Do Inflows and Outflows from Galaxies Create Their 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	V1 - ACQ (1004507)	(24) SDSSJ101850.5 2+411508.1	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				34 Secs (34 Secs) [==>]	
	2	V1 - Orbit 1 - FP-POS 3 (1004642)	(24) SDSSJ101850.5 2+411508.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=53 82; SEGMENT=BOTH; FP-POS=3			1000 Secs (1081 Secs) [==>1081.0 Secs]	[1]
	3	V1 - Orbit 1 - FP-POS 4 (1004642)	(24) SDSSJ101850.5 2+411508.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=53 82; SEGMENT=BOTH; FP-POS=4			1000 Secs (1081 Secs) [==>1081.0 Secs]	[1]
	4	V1 - Orbit 2 - FP-POS 3 (1004642)	(24) SDSSJ101850.5 2+411508.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=53 82; SEGMENT=BOTH; FP-POS=3			1200 Secs (1289 Secs) [==>1289.0 Secs]	[2]
	5	V1 - Orbit 2 - FP-POS 4 (1004642)	(24) SDSSJ101850.5 2+411508.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=53 82; SEGMENT=BOTH; FP-POS=4			1200 Secs (1289 Secs) [==>1289.0 Secs]	[2]
	6	V1 - Orbit 3 - FP-POS 3 (1004642)	(24) SDSSJ101850.5 2+411508.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=53 82; SEGMENT=BOTH; FP-POS=3			1200 Secs (1289 Secs) [==>1289.0 Secs]	[3]
	7	V1 - Orbit 3 - FP-POS 4 (1004642)	(24) SDSSJ101850.5 2+411508.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=53 82; SEGMENT=BOTH; FP-POS=4			1200 Secs (1289 Secs) [==>1289.0 Secs]	[3]
	8	V1 - Orbit 4 - FP-POS 3 (1004642)	(24) SDSSJ101850.5 2+411508.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=53 82; SEGMENT=BOTH; FP-POS=3			1200 Secs (1289 Secs) [==>1289.0 Secs]	[4]
	9	V1 - Orbit 4 - FP-POS 4 (1004642)	(24) SDSSJ101850.5 2+411508.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=53 82; SEGMENT=BOTH; FP-POS=4			1200 Secs (1289 Secs) [==>1289.0 Secs]	[4]

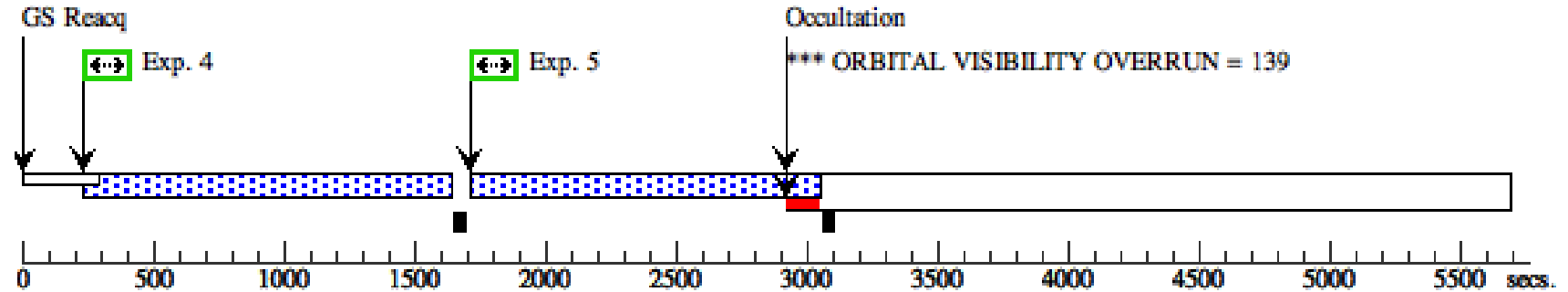
Orbit 1

Server Version: 20181130



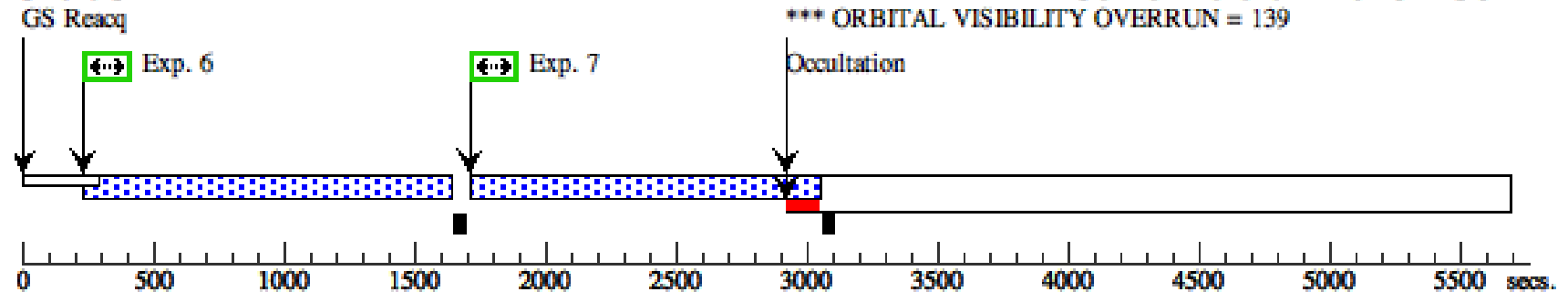
Orbit 2

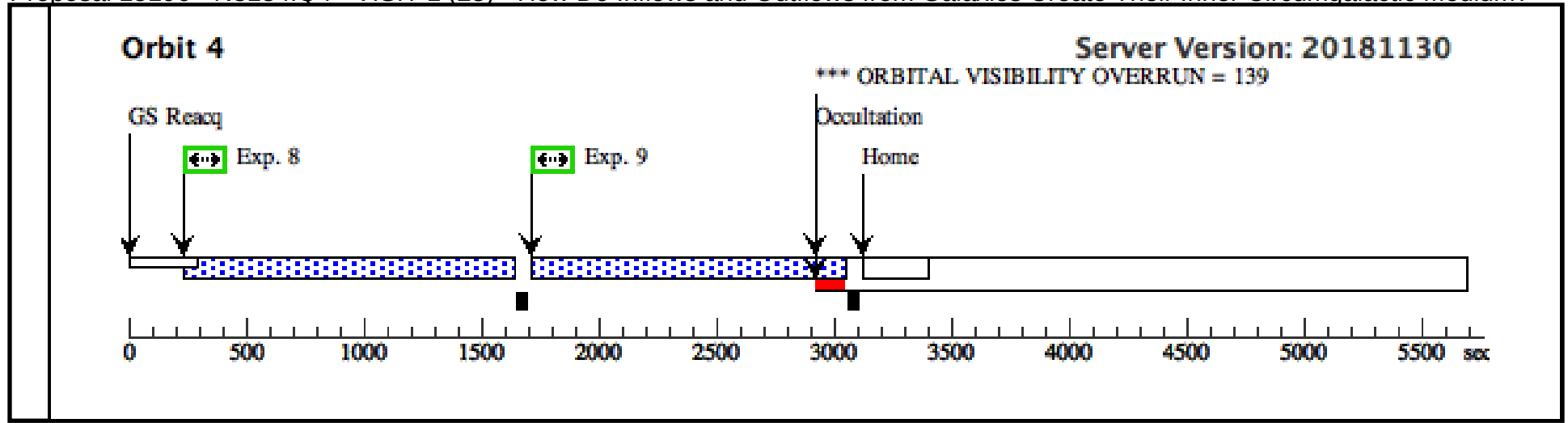
Server Version: 20181130



Orbit 3

Server Version: 20181130



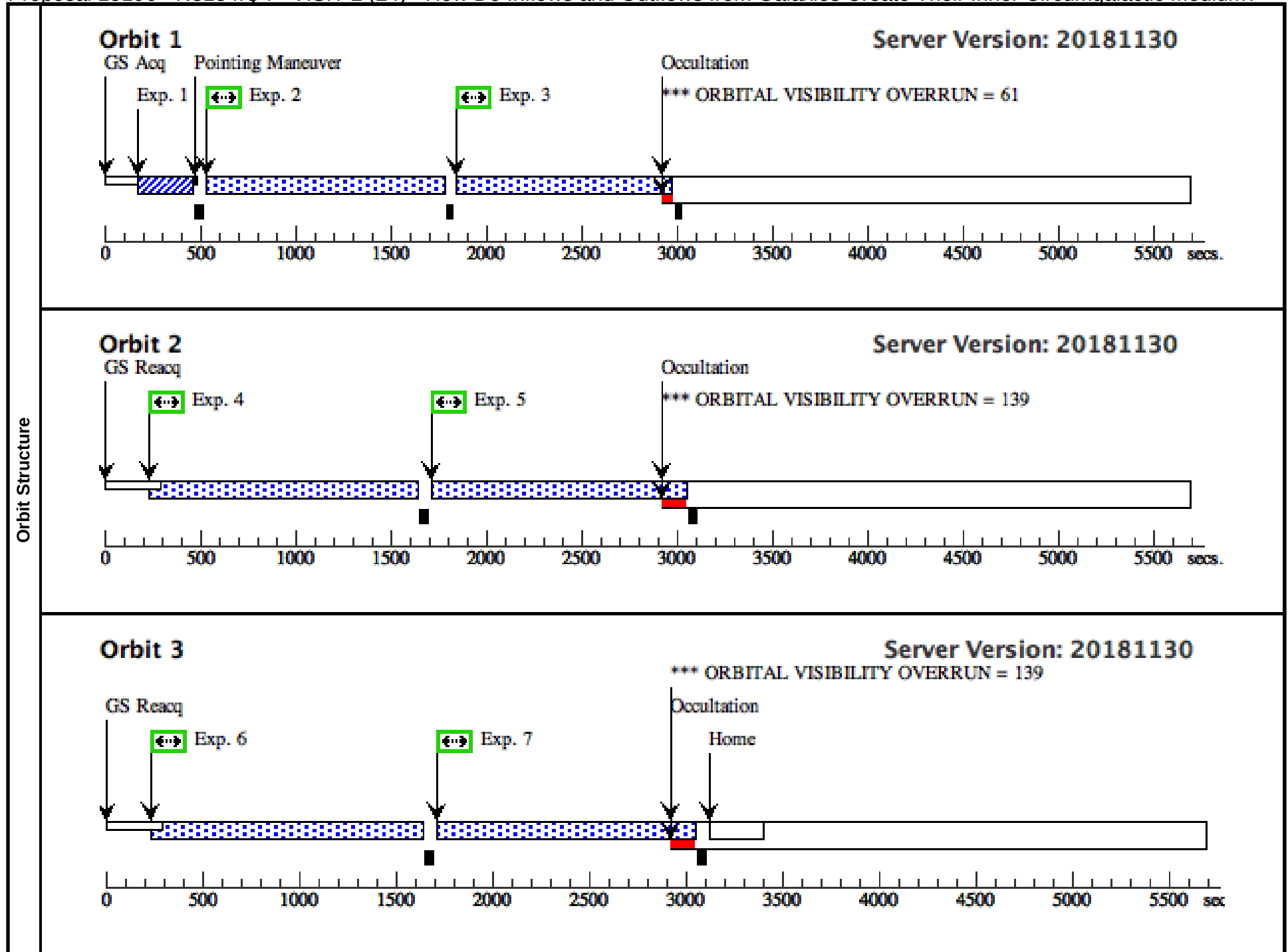


Proposal 15196 - N3184.Q4 - VISIT 2 (24) - How Do Inflows and Outflows from Galaxies Create Their Inner Circumgalactic Medium?

Visit	Proposal 15196, N3184.Q4 - VISIT 2 (24), scheduling					Thu Mar 07 15:01:31 GMT 2019
	Diagnostic Status: Warning					
	Scientific Instruments: COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%					
Comments: Second of 2 visits, 3 of 7 orbits						
Diagnostics	(N3184.Q4 - VISIT 2 (24)) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.					
	(N3184.Q4 - VISIT 2 (24)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/IMAGE.					
	(N3184.Q4 - VISIT 2 (24)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS					
	(N3184.Q4 - VISIT 2 (24)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS					
	(N3184.Q4 - VISIT 2 (24)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(N3184.Q4 - VISIT 2 (24)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(N3184.Q4 - VISIT 2 (24)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(24)	SDSSJ101850.52+411508.1	RA: 10 18 50.5560 (154.7106500d)		V=17.9+/-0.1	Reference Frame: ICRS
		Alt Name1: N3184.Q4	Dec: +41 15 8.00 (41.25222d)		GALEX FUV = 34 micro-Jy	
			Equinox: J2000			
Comments: Category=GALAXY Description=[QSO] Extended=NO						

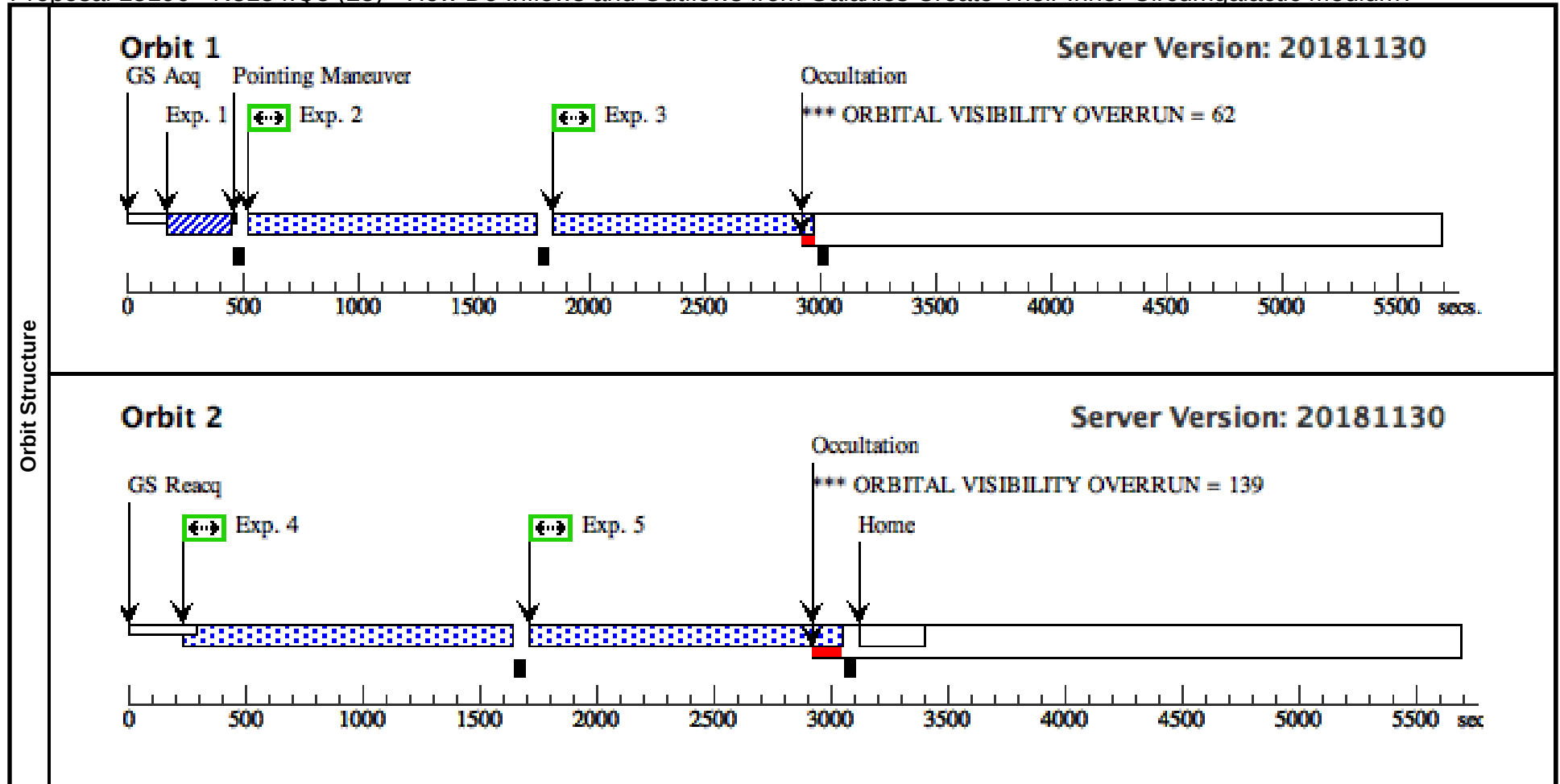
Proposal 15196 - N3184.Q4 - VISIT 2 (24) - How Do Inflows and Outflows from Galaxies Create Their Inner Circumgalactic Medium?

Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	V2 - ACQ (1004507)	(24) SDSSJ101850.5 2+411508.1	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				34 Secs (34 Secs) [==>]	
	2	V2 - Orbit 1 - FP-POS 3 (1004642)	(24) SDSSJ101850.5 2+411508.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=53 82; SEGMENT=BOTH; FP-POS=3			1000 Secs (1081 Secs) [==>1081.0 Secs]	[1]
	3	V2 - Orbit 1 - FP-POS 4 (1004642)	(24) SDSSJ101850.5 2+411508.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=53 82; SEGMENT=BOTH; FP-POS=4			1000 Secs (1081 Secs) [==>1081.0 Secs]	[1]
	4	V2 - Orbit 2 - FP-POS 3 (1004642)	(24) SDSSJ101850.5 2+411508.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=53 82; SEGMENT=BOTH; FP-POS=3			1200 Secs (1289 Secs) [==>1289.0 Secs]	[2]
	5	V2 - Orbit 2 - FP-POS 4 (1004642)	(24) SDSSJ101850.5 2+411508.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=53 82; SEGMENT=BOTH; FP-POS=4			1200 Secs (1289 Secs) [==>1289.0 Secs]	[2]
	6	V2 - Orbit 3 - FP-POS 3 (1004642)	(24) SDSSJ101850.5 2+411508.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=53 82; SEGMENT=BOTH; FP-POS=3			1200 Secs (1289 Secs) [==>1289.0 Secs]	[3]
	7	V2 - Orbit 3 - FP-POS 4 (1004642)	(24) SDSSJ101850.5 2+411508.1	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=53 82; SEGMENT=BOTH; FP-POS=4			1200 Secs (1289 Secs) [==>1289.0 Secs]	[3]



Proposal 15196 - N3184.Q5 (25) - How Do Inflows and Outflows from Galaxies Create Their Inner Circumgalactic Medium?

Visit	Proposal 15196, N3184.Q5 (25), completed								Thu Mar 07 15:01:31 GMT 2019	
	Diagnostic Status: Warning									
	Scientific Instruments: COS/FUV, COS/NUV									
	Special Requirements: SCHED 100%									
Comments: Single visit of 2 orbits										
Diagnostics	(N3184.Q5 (25)) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.									
	(N3184.Q5 (25)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/IMAGE.									
	(N3184.Q5 (25)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS									
	(N3184.Q5 (25)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Fixed Targets	(N3184.Q5 (25)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(25)	SDSSJ101732.66+410723.3	RA: 10 17 32.6710 (154.3861292d)		V=18.0+/-0.1	Reference Frame: ICRS				
		Alt Name1: N3184.Q5	Dec: +41 07 23.10 (41.12308d)		GALEX FUV = 105 microJy					
Equinox: J2000										
Comments: Category=GALAXY Description=[QSO] Extended=NO										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ (1004628)	(25) SDSSJ101732.6 6+410723.3	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				30 Secs (30 Secs)	
									[==>]	[1]
	Comments: SNR=63 for 30 sec									
	2	Orbit 1 - FP-POS 3 (1004643)	(25) SDSSJ101732.6 6+410723.3	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=47 55; SEGMENT=BOTH; FP-POS=3			1000 Secs (1081 Secs)	
									[==>1081.0 Secs]	[1]
	3	Orbit 1 - FP-POS 4 (1004643)	(25) SDSSJ101732.6 6+410723.3	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=47 55; SEGMENT=BOTH; FP-POS=4			1000 Secs (1081 Secs)	
									[==>1081.0 Secs]	[1]
	4	Orbit 2 - FP-POS 3 (1004643)	(25) SDSSJ101732.6 6+410723.3	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=47 55; SEGMENT=BOTH; FP-POS=3			1200 Secs (1289 Secs)	
									[==>1289.0 Secs]	[2]
5	Orbit 2 - FP-POS 4 (1004643)	(25) SDSSJ101732.6 6+410723.3	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=47 55; SEGMENT=BOTH; FP-POS=4			1200 Secs (1289 Secs)		
								[==>1289.0 Secs]	[2]	



Proposal 15196 - N3184.Q6 - VISIT 1 (26) - How Do Inflows and Outflows from Galaxies Create Their Inner Circumgalactic Medium?

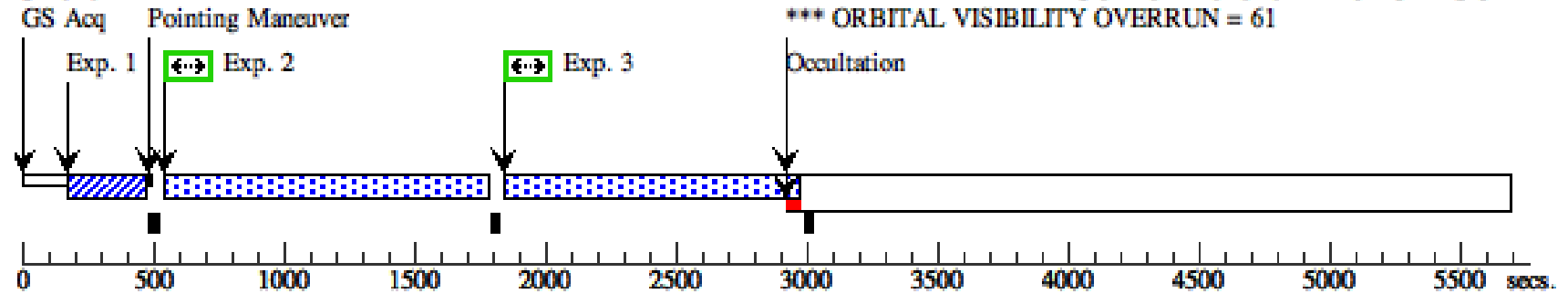
Visit	Proposal 15196, N3184.Q6 - VISIT 1 (26), completed					Thu Mar 07 15:01:31 GMT 2019
	Diagnostic Status: Warning					
	Scientific Instruments: COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%					
Comments: First visit of 2, 4 of 8 orbits						
Diagnostics	(N3184.Q6 - VISIT 1 (26)) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.					
	(N3184.Q6 - VISIT 1 (26)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/IMAGE.					
	(N3184.Q6 - VISIT 1 (26)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS					
	(N3184.Q6 - VISIT 1 (26)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS					
	(N3184.Q6 - VISIT 1 (26)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS					
	(N3184.Q6 - VISIT 1 (26)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(N3184.Q6 - VISIT 1 (26)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(N3184.Q6 - VISIT 1 (26)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(26)	SDSSJ101803.55+410010.3	RA: 10 18 3.5840 (154.5149333d)		V=18.6+/-0.1	Reference Frame: ICRS
		Alt Name1: N3184.Q6	Dec: +41 00 10.50 (41.00292d)		GALEX FUV = 32 microJy	
			Equinox: J2000			
Comments: Category=GALAXY Description=[QSO] Extended=NO						

Proposal 15196 - N3184.Q6 - VISIT 1 (26) - How Do Inflows and Outflows from Galaxies Create Their 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	VISIT 1 - A CQ (1004504)	(26) SDSSJ101803.5 5+410010.3	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				39 Secs (39 Secs) [==>]	
	2	VISIT 1 - Or bit 1 - FP-P OS 3 (1004644)	(26) SDSSJ101803.5 5+410010.3	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 12; SEGMENT=BOTH; FP-POS=3			1000 Secs (1076 Secs) [==>1076.0 Secs]	[1]
	3	VISIT 1 - Or bit 1 - FP-P OS 4 (1004644)	(26) SDSSJ101803.5 5+410010.3	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 12; SEGMENT=BOTH; FP-POS=4			1000 Secs (1076 Secs) [==>1076.0 Secs]	[1]
	4	VISIT 1 - Or bit 2 - FP-P OS 3 (1004644)	(26) SDSSJ101803.5 5+410010.3	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 12; SEGMENT=BOTH; FP-POS=3			1200 Secs (1289 Secs) [==>1289.0 Secs]	[2]
	5	VISIT 1 - Or bit 2 - FP-P OS 4 (1004644)	(26) SDSSJ101803.5 5+410010.3	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 12; SEGMENT=BOTH; FP-POS=4			1200 Secs (1289 Secs) [==>1289.0 Secs]	[2]
	6	VISIT 1 - Or bit 3 - FP-P OS 3 (1004644)	(26) SDSSJ101803.5 5+410010.3	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 12; SEGMENT=BOTH; FP-POS=3			1200 Secs (1289 Secs) [==>1289.0 Secs]	[3]
	7	VISIT 1 - Or bit 3 - FP-P OS 4 (1004644)	(26) SDSSJ101803.5 5+410010.3	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 12; SEGMENT=BOTH; FP-POS=4			1200 Secs (1289 Secs) [==>1289.0 Secs]	[3]
	8	VISIT 1 - Or bit 4 - FP-P OS 3 (1004644)	(26) SDSSJ101803.5 5+410010.3	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 12; SEGMENT=BOTH; FP-POS=3			1200 Secs (1289 Secs) [==>1289.0 Secs]	[4]
	9	VISIT 1 - Or bit 4 - FP-P OS 4 (1004644)	(26) SDSSJ101803.5 5+410010.3	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 12; SEGMENT=BOTH; FP-POS=4			1200 Secs (1289 Secs) [==>1289.0 Secs]	[4]

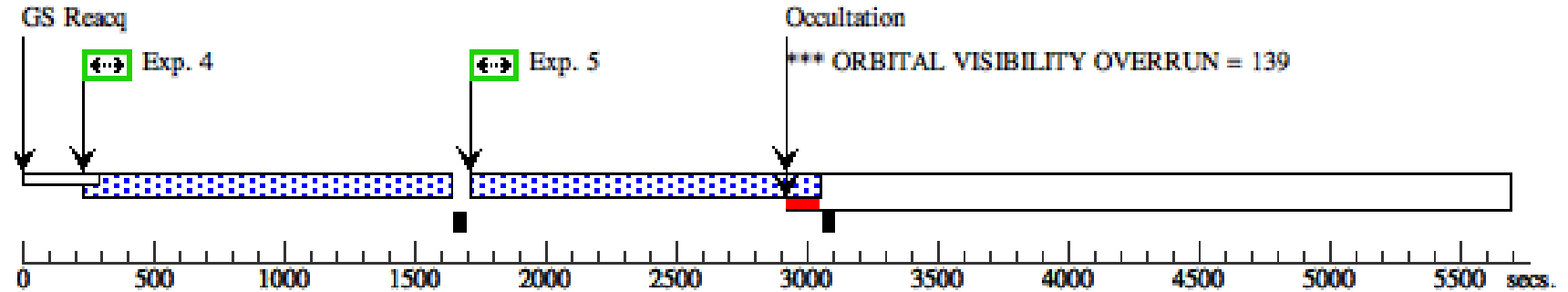
Orbit 1

Server Version: 20181130



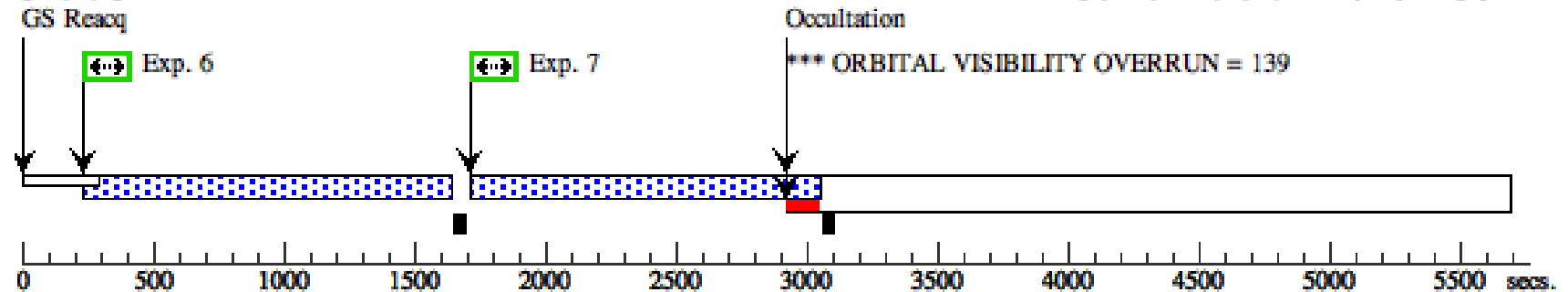
Orbit 2

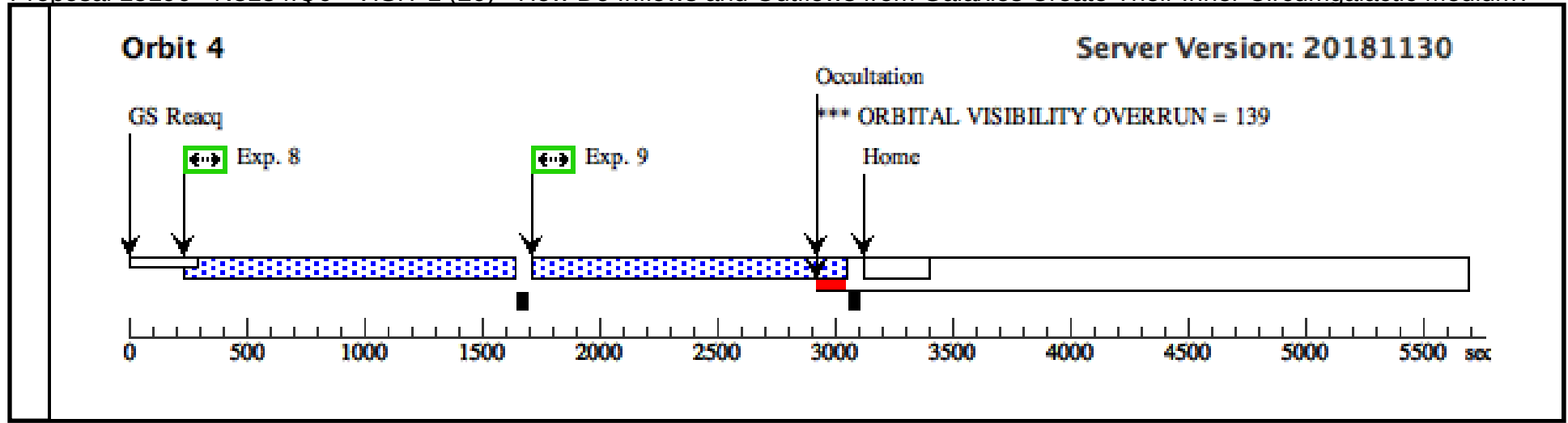
Server Version: 20181130



Orbit 3

Server Version: 20181130





Proposal 15196 - N3184.Q6 - VISIT 2 (27) - How Do Inflows and Outflows from Galaxies Create Their Inner Circumgalactic Medium?

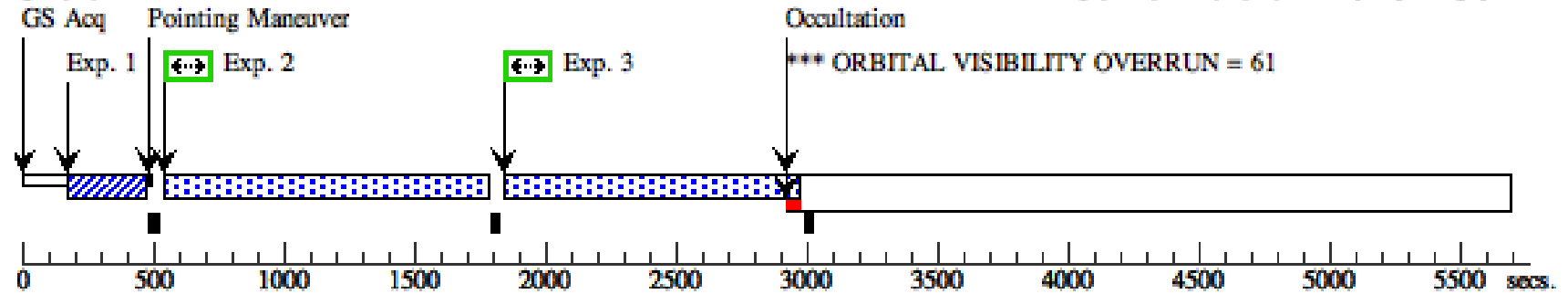
Visit	Proposal 15196, N3184.Q6 - VISIT 2 (27), scheduling					Thu Mar 07 15:01:31 GMT 2019
	Diagnostic Status: Warning					
	Scientific Instruments: COS/FUV, COS/NUV					
	Special Requirements: SCHED 100%					
Comments: Second visit of 2, 4 of 8 orbits						
Diagnostics	(N3184.Q6 - VISIT 2 (27)) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.					
	(N3184.Q6 - VISIT 2 (27)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/IMAGE.					
	(N3184.Q6 - VISIT 2 (27)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS					
	(N3184.Q6 - VISIT 2 (27)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS					
	(N3184.Q6 - VISIT 2 (27)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS					
	(N3184.Q6 - VISIT 2 (27)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(N3184.Q6 - VISIT 2 (27)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
	(N3184.Q6 - VISIT 2 (27)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
Fixed Targets						
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(26) SDSSJ101803.55+410010.3 Alt Name1: N3184.Q6 Equinox: J2000 RA: 10 18 3.5840 (154.5149333d) Dec: +41 00 10.50 (41.00292d) V=18.6+/-0.1 GALEX FUV = 32 microJy Reference Frame: ICRS						
Comments: Category=GALAXY Description=[QSO] Extended=NO						

Proposal 15196 - N3184.Q6 - VISIT 2 (27) - How Do Inflows and Outflows from Galaxies Create Their 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	VISIT 2 - A CQ (1004504)	(26) SDSSJ101803.5 5+410010.3	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				39 Secs (39 Secs) [==>]	
	2	VISIT 2 - Or bit 1 - FP-P OS 3 (1004644)	(26) SDSSJ101803.5 5+410010.3	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 12; SEGMENT=BOTH; FP-POS=3			1000 Secs (1076 Secs) [==>1076.0 Secs]	[1]
	3	VISIT 2 - Or bit 1 - FP-P OS 4 (1004644)	(26) SDSSJ101803.5 5+410010.3	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 12; SEGMENT=BOTH; FP-POS=4			1000 Secs (1076 Secs) [==>1076.0 Secs]	[1]
	4	VISIT 2 - Or bit 2 - FP-P OS 3 (1004644)	(26) SDSSJ101803.5 5+410010.3	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 12; SEGMENT=BOTH; FP-POS=3			1200 Secs (1289 Secs) [==>1289.0 Secs]	[2]
	5	VISIT 2 - Or bit 2 - FP-P OS 4 (1004644)	(26) SDSSJ101803.5 5+410010.3	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 12; SEGMENT=BOTH; FP-POS=4			1200 Secs (1289 Secs) [==>1289.0 Secs]	[2]
	6	VISIT 2 - Or bit 3 - FP-P OS 3 (1004644)	(26) SDSSJ101803.5 5+410010.3	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 12; SEGMENT=BOTH; FP-POS=3			1200 Secs (1289 Secs) [==>1289.0 Secs]	[3]
	7	VISIT 2 - Or bit 3 - FP-P OS 4 (1004644)	(26) SDSSJ101803.5 5+410010.3	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 12; SEGMENT=BOTH; FP-POS=4			1200 Secs (1289 Secs) [==>1289.0 Secs]	[3]
	8	VISIT 2 - Or bit 4 - FP-P OS 3 (1004644)	(26) SDSSJ101803.5 5+410010.3	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 12; SEGMENT=BOTH; FP-POS=3			1200 Secs (1289 Secs) [==>1289.0 Secs]	[4]
	9	VISIT 2 - Or bit 4 - FP-P OS 4 (1004644)	(26) SDSSJ101803.5 5+410010.3	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=54 12; SEGMENT=BOTH; FP-POS=4			1200 Secs (1289 Secs) [==>1289.0 Secs]	[4]

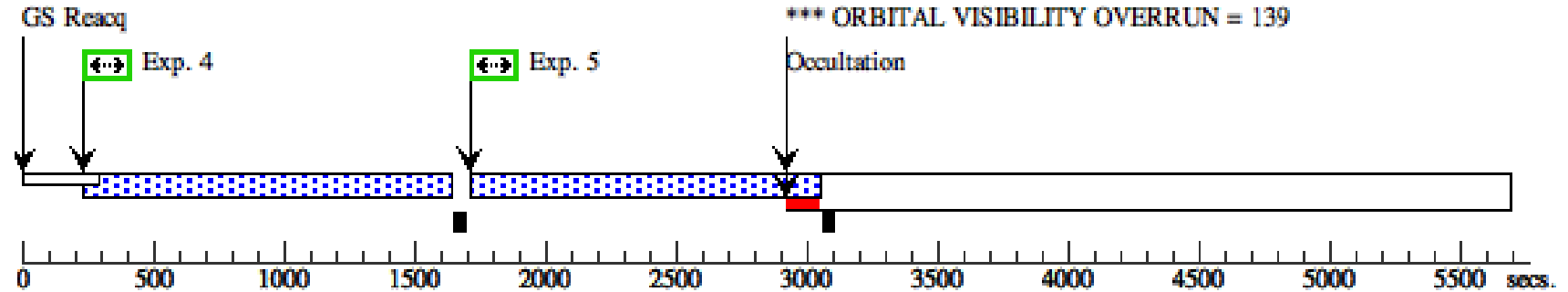
Orbit 1

Server Version: 20181130



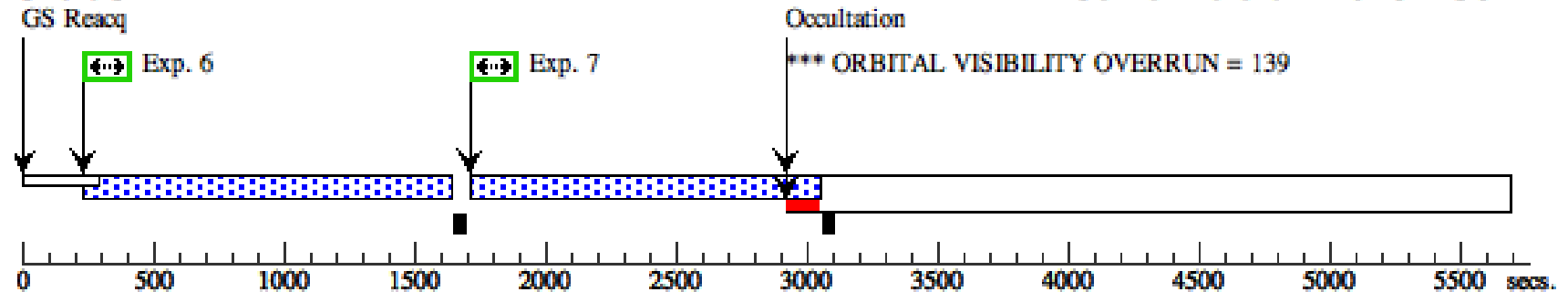
Orbit 2

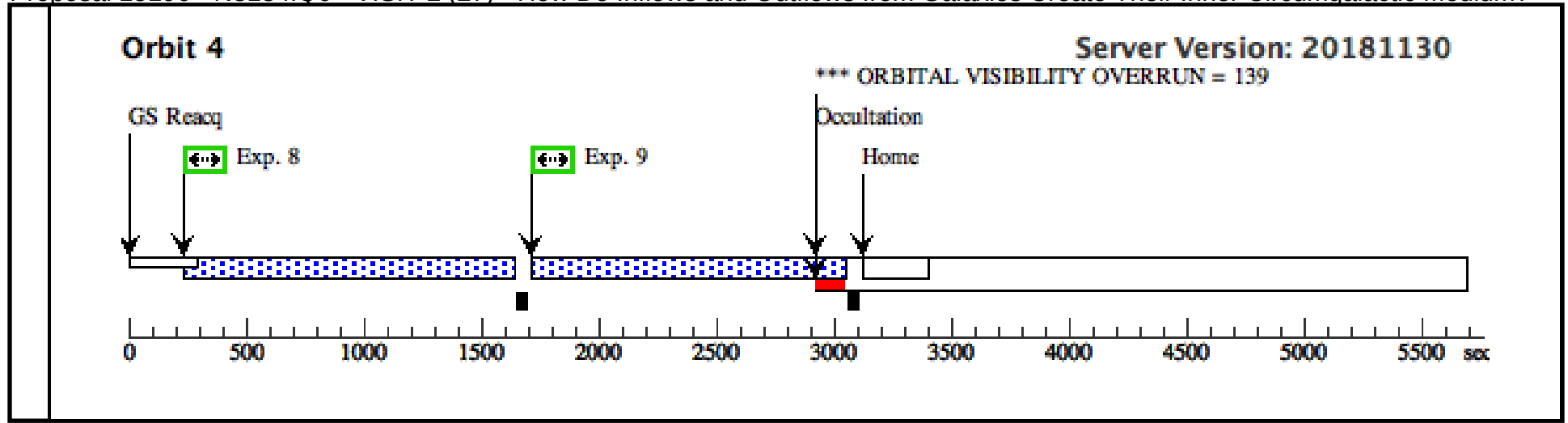
Server Version: 20181130



Orbit 3

Server Version: 20181130





Proposal 15196 - N3184.Q7 (28) - How Do Inflows and Outflows from Galaxies Create Their Inner Circumgalactic Medium?

Visit	Proposal 15196, N3184.Q7 (28), completed								Thu Mar 07 15:01:32 GMT 2019	
	Diagnostic Status: Warning									
	Scientific Instruments: COS/FUV, COS/NUV									
	Special Requirements: SCHED 100%									
Comments: Single visit of 2 orbits										
Diagnostics	(N3184.Q7 (28)) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.									
	(N3184.Q7 (28)) Warning (Form): If the target coordinates are not known to 0.4" (or better), an ACQ/SEARCH should precede the ACQ/IMAGE.									
	(N3184.Q7 (28)) Warning (Orbit Planner): INEFFICIENT ORDERING OF FP-POS POSITIONS									
	(N3184.Q7 (28)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
Fixed Targets	(N3184.Q7 (28)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(27)	SDSSJ102025.83+413342.3	RA: 10 20 25.8630 (155.1077625d)		V=18.6+/-0.1	Reference Frame: ICRS				
		Alt Name1: N3184.Q7	Dec: +41 33 41.90 (41.56164d)		GALEX FUV = 121 microJy					
Equinox: J2000										
Comments: Category=GALAXY Description=[QSO] Extended=NO										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	ACQ (1004629)	(27) SDSSJ102025.83+413342.3	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				30 Secs (30 Secs)	
									[==>]	[1]
	Comments: SNR = 69 for 30 sec									
	2	Orbit 1 - FP-POS 3 (1004645)	(27) SDSSJ102025.83+413342.3	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=46 31; SEGMENT=BOTH; FP-POS=3			1000 Secs (1081 Secs) [==>1081.0 Secs]	[1]
	3	Orbit 1 - FP-POS 4 (1004645)	(27) SDSSJ102025.83+413342.3	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=46 31; SEGMENT=BOTH; FP-POS=4			1000 Secs (1081 Secs) [==>1081.0 Secs]	[1]
	4	Orbit 2 - FP-POS 3 (1004645)	(27) SDSSJ102025.83+413342.3	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=46 31; SEGMENT=BOTH; FP-POS=3			1200 Secs (1289 Secs) [==>1289.0 Secs]	[2]
	5	Orbit 2 - FP-POS 4 (1004645)	(27) SDSSJ102025.83+413342.3	COS/FUV, TIME-TAG, PSA	G130M 1291 A	BUFFER-TIME=46 31; SEGMENT=BOTH; FP-POS=4			1200 Secs (1289 Secs) [==>1289.0 Secs]	[2]

