15643 - The Cosmic Evolution of Circumgalactic Gas and Lyman alpha Halos

Cycle: 26, Proposal Category: GO

(UV Initiative)

(Availability Mode: SUPPORTED)

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VISITS

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
11	(1) SDSSJ231812.99-004125.9	ACS/SBC	2	20-Aug-2019 14:01:13.0	yes
12	(1) SDSSJ231812.99-004125.9	ACS/SBC	2	20-Aug-2019 14:01:14.0	yes
16	(1) SDSSJ231812.99-004125.9	ACS/WFC	2	20-Aug-2019 14:01:16.0	yes
19	(1) SDSSJ231812.99-004125.9	COS/FUV COS/NUV	1	20-Aug-2019 14:01:17.0	yes
21	(2) SDSSJ013913.21+010856.0	ACS/SBC	1	20-Aug-2019 14:01:17.0	yes
22	(2) SDSSJ013913.21+010856.0	ACS/SBC	2	20-Aug-2019 14:01:18.0	yes
23	(2) SDSSJ013913.21+010856.0	ACS/SBC	2	20-Aug-2019 14:01:19.0	yes
26	(2) SDSSJ013913.21+010856.0	ACS/WFC	2	20-Aug-2019 14:01:20.0	yes
29	(2) SDSSJ013913.21+010856.0	COS/FUV COS/NUV	1	20-Aug-2019 14:01:21.0	yes
31	(3) SDSSJ023243.62-004832.3	ACS/SBC	1	20-Aug-2019 14:01:22.0	yes
32	(3) SDSSJ023243.62-004832.3	ACS/SBC	2	20-Aug-2019 14:01:23.0	yes
33	(3) SDSSJ023243.62-004832.3	ACS/SBC	2	20-Aug-2019 14:01:24.0	yes
36	(3) SDSSJ023243.62-004832.3	ACS/WFC	2	20-Aug-2019 14:01:25.0	yes
39	(3) SDSSJ023243.62-004832.3	COS/FUV COS/NUV	1	20-Aug-2019 14:01:26.0	yes
41	(4) SDSSJ000430.33-101129.6	ACS/SBC	1	20-Aug-2019 14:01:27.0	yes
42	(4) SDSSJ000430.33-101129.6	ACS/SBC	2	20-Aug-2019 14:01:28.0	yes
43	(4) SDSSJ000430.33-101129.6	ACS/SBC	2	20-Aug-2019 14:01:29.0	yes

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
46	(4) SDSSJ000430.33-101129.6	ACS/WFC	2	20-Aug-2019 14:01:30.0	yes
49	(4) SDSSJ000430.33-101129.6	COS/FUV COS/NUV	1	20-Aug-2019 14:01:31.0	yes
51	(5) SDSSJ235926.69+010838.8	ACS/SBC	1	20-Aug-2019 14:01:31.0	yes
52	(5) SDSSJ235926.69+010838.8	ACS/SBC	2	20-Aug-2019 14:01:32.0	yes
53	(5) SDSSJ235926.69+010838.8	ACS/SBC	2	20-Aug-2019 14:01:33.0	yes
56	(5) SDSSJ235926.69+010838.8	ACS/WFC	2	20-Aug-2019 14:01:34.0	yes
59	(5) SDSSJ235926.69+010838.8	COS/FUV COS/NUV	1	20-Aug-2019 14:01:36.0	yes
61	(6) SDSSJ015655.76-010116.5	ACS/SBC	1	20-Aug-2019 14:01:37.0	yes
62	(6) SDSSJ015655.76-010116.5	ACS/SBC	2	20-Aug-2019 14:01:38.0	yes
63	(6) SDSSJ015655.76-010116.5	ACS/SBC	2	20-Aug-2019 14:01:39.0	yes
66	(6) SDSSJ015655.76-010116.5	ACS/WFC	2	20-Aug-2019 14:01:40.0	yes
69	(6) SDSSJ015655.76-010116.5	COS/FUV COS/NUV	1	20-Aug-2019 14:01:41.0	yes
71	(7) SDSSJ235335.54+023150.2	ACS/SBC	1	20-Aug-2019 14:01:41.0	yes
72	(7) SDSSJ235335.54+023150.2	ACS/SBC	2	20-Aug-2019 14:01:42.0	yes
73	(7) SDSSJ235335.54+023150.2	ACS/SBC	2	20-Aug-2019 14:01:43.0	yes
76	(7) SDSSJ235335.54+023150.2	ACS/WFC	2	20-Aug-2019 14:01:44.0	yes
79	(7) SDSSJ235335.54+023150.2	COS/FUV COS/NUV	1	20-Aug-2019 14:01:45.0	yes

55 Total Orbits Used

ABSTRACT

The Lyman alpha emission line (Lya) has recently fulfilled its decades-old promise to map the distribution of atomic gas around high-z galaxies: large, extended Lya halos are routinely discovered, and statistical samples are emerging. Unfortunately, at z>2-3 where this is systematically

possible, galaxies are too faint, and poorly resolved to be studied in much detail, and the origin of these halos remains elusive. In the low-z universe, where galaxies' properties can be determined with high precision, the UV capabilities of HST have also made a huge impact. Lya halos are also common here and shown to result from resonance scattering, but the reported sizes are very different: halos become 3-10 times smaller, which hints at the cosmic evolution of circumgalactic gas. Absorption studies, however, show that the low-z CGM is still thick with HI, so why do the Lya halos disappear?

Another possibility is that almost every low-z galaxy imaged in Lya to date is too nearby to properly measure the CGM. Taking advantage of the UV initiative, we therefore propose to obtain deep Lya images and spectra of a new low-z sample that is nearby enough for high resolution, high SNR studies, but distant enough to capture CGM scales and halo sizes comparable to high-z. We will quantify the Lya scattering scales, search for low-z gas inflows, and detailed radiation transfer modeling will constrain density and clumping of the circumgalactic gas. This optimized sample will provide the anchor point for cosmic evolution studies that is ~10 Gyr later than high-z surveys, and will shed light on the formation process of cold gas in galaxy halos that is theoretically still not well understood.

OBSERVING DESCRIPTION

This program will obtain imaging and spectroscopy of a sample of 7 galaxies.

Imaging will be taken in six filters:
- 2 in the ultraviolet with ACS/SBC in F150LP and F165LP. This totals 5 orbits per target, that are divided into 3 visits.
- 4 in the optical with WCS/WFC in F435W, F555W, F814W, and a narrowband ramp filter, either FR853N or FR782N. This totals 2 orbits, to be executed in one visit.

ACS/SBC ultraviolet imaging
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A relatively large dither pattern is designed, sampling a 7x7 arcsec approximate square with 9 grid points, to average over residual low-frequency phenomena in the flat-field. Each pointing also has an additional step to guarantee that the broken anode is adequately shifted. From these baseline positions in the dither pattern, an additional sub-pixel term is added, based upon the standard 3-point dither pattern, that should properly sample the narrow core of the PSF.

Important: each SBC visits should only be executed when the SBC has not been used in the last 24 hours, and the MAMA detector has been allowed to cool. This minimizes the dark current in the SBC image, and was mentioned as a Special Requirement of the Phase I proposal.

One target (#1 in our listing) has a single orbit of archival F150LP imaging (GO 11107) and is only imaged over 4 orbits. A different dithering strategy is used for this target, but adheres to the same philosophy.

ACS/WFC optical imaging

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The observations in 4 filters are packed into two orbits, using two exposures per filter.

This ramp filter (FR853N or FR782N) is selected depending on the redshift of the galaxy, and determines the WFC aperture (WFC1-IRAMP or WFC2-ORAMP). In turn, this selects the aperture used for the broadband optical imaging in order to minimize overheads.

Each galaxy is imaged using a small subpixel dither to better sample the PSF, which is implemented with POS-TARGs. This gives a warning for the ramp filters, but the POS-TARGs are small and should have negligible impact upon the bandpass centering.

COS/G160M ultraviolet spectroscopy

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Each galaxy is observed with COS/G160M for one orbit. This observation is designed to detect the redshifted Ly-alpha emission line, not the UV continuum.

Target acquisition is done with ACQ/IMAGE in the NUV, aiming for SNR=20 based upon GALEX NUV photometry and the (conservative) assumption that NUV emission follows the u-band morphology. The galaxies are all selected to be compact in SDSS u-band imaging, which also gives very precise astrometry (verified with 2MASS). Experience from other programs shows that ACQ/IMAGE will be successful.

FUV/G160M spectroscopy is performed in different CENWAVE settings in order to well center the Ly-alpha line on one of the detectors, depending upon the redshift of the target. CENWAVE=1611 or 1623 are used. Two FP-POS settings are selected for each observation to perform the required spectral dither.

Visit

Proposal 15643, T1_SBC_vis1 (11), scheduling Tue Aug 20 18:01:46 GMT 2019

Diagnostic Status: No Diagnostics

Scientific Instruments: ACS/SBC

Special Requirements: (none)

Comments: Target 1
SBC visit 1 (2 orbits)

orbit 1 to collect F165LP data matching F150LP observations under GO 11107
orbit 2 to collect the remaining orbit of F150LP in a 4-corner dither

This visit should only be executed when the SBC has not been used in the last 24 hours, and the MAMA detector has been allowed to cool. This minimizes the dark current in the SBC image, and was mentioned as a Special Requirement at Phase I.

Fixed Targets

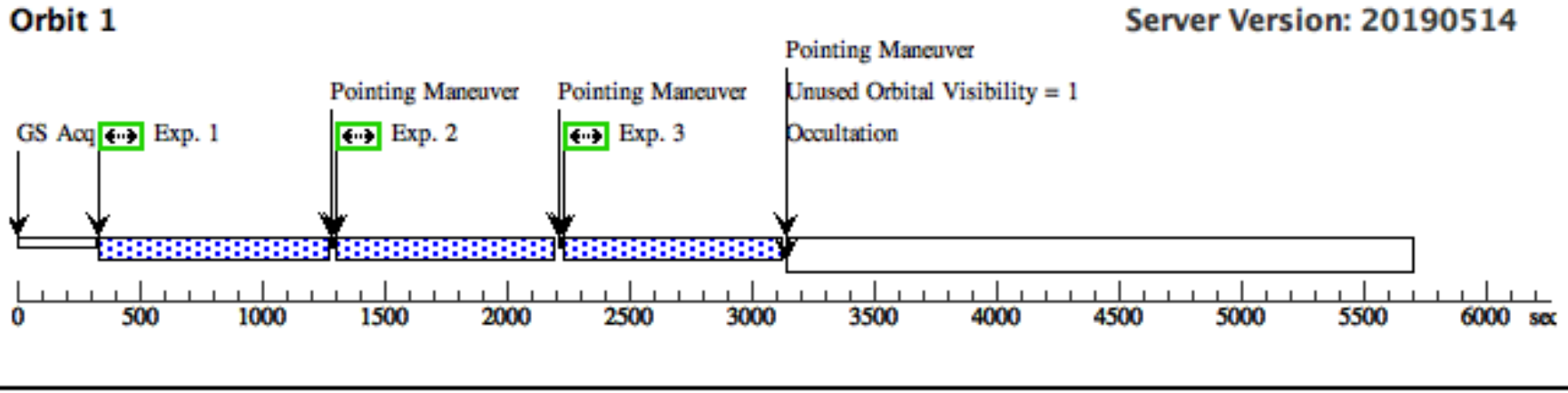
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	SDSSJ231812.99-004125.9 Alt Name1: CG1449	RA: 23 18 13.0024 (349.5541767d) Dec: -00 41 25.87 (-.69052d) Equinox: J2000		V=18.44 log(L_FUV/Lsun) = 10.934410	Reference Frame: ICRS

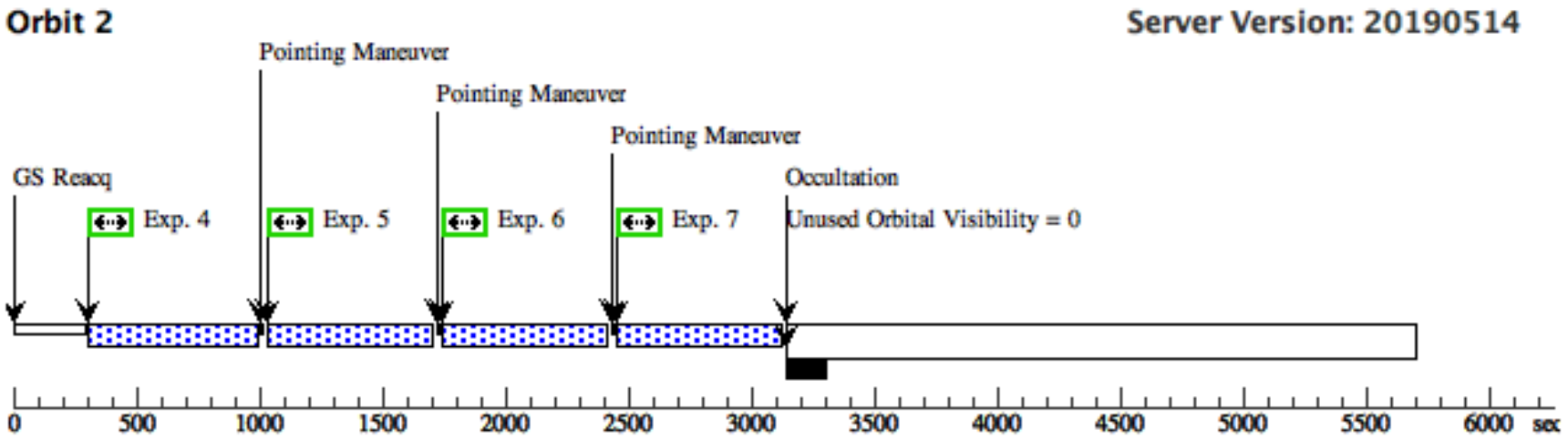
Comments: original coordinats: 23 18 13.0008 -00 41 26.15
Category=GALAXY
Description=[STARBURST]
Extended=YES

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(1301634)	(1) SDSSJ231812.99-004125.9	ACS/SBC, ACCUM, SBC-FIX	F165LP		POS TARG 0,0.6000		869 Secs (869 Secs) *[==>]*	 ***[1]***
2	(1301634)	(1) SDSSJ231812.99-004125.9	ACS/SBC, ACCUM, SBC-FIX	F165LP		POS TARG 0.0113,0.0100		869 Secs (869 Secs) *[==>]*	 ***[1]***
3	(1301634)	(1) SDSSJ231812.99-004125.9	ACS/SBC, ACCUM, SBC-FIX	F165LP		POS TARG 0.0227,-0.5800		869 Secs (869 Secs) *[==>]*	 ***[1]***
4	(1301632)	(1) SDSSJ231812.99-004125.9	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG -2.9920, 3.6000		644 Secs (644 Secs) *[==>]*	 ***[2]***
5	(1301632)	(1) SDSSJ231812.99-004125.9	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 3.0005,2.4085		644 Secs (644 Secs) *[==>]*	 ***[2]***
6	(1301632)	(1) SDSSJ231812.99-004125.9	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 3.0090,-3.5830		644 Secs (644 Secs) *[==>]*	 ***[2]***
7	(1301632)	(1) SDSSJ231812.99-004125.9	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG -2.9665, -2.3745		644 Secs (644 Secs) *[==>]*	 ***[2]***

Orbit Structure





Visit

Proposal 15643, T1_SBC_vis1 (12), scheduling Tue Aug 20 18:01:46 GMT 2019

Diagnostic Status: No Diagnostics

Scientific Instruments: ACS/SBC

Special Requirements: (none)

Comments: Target 1
SBC visit 2 (2 orbits)

collect 2 orbits of F165LP imaging, on a 4-corner dither
2 images per position, separated by gap clearance and subpix

This visit should only be executed when the SBC has not been used in the last 24 hours, and the MAMA detector has been allowed to cool. This minimizes the dark current in the SBC image, and was mentioned as a Special Requirement at Phase I.

Fixed Targets

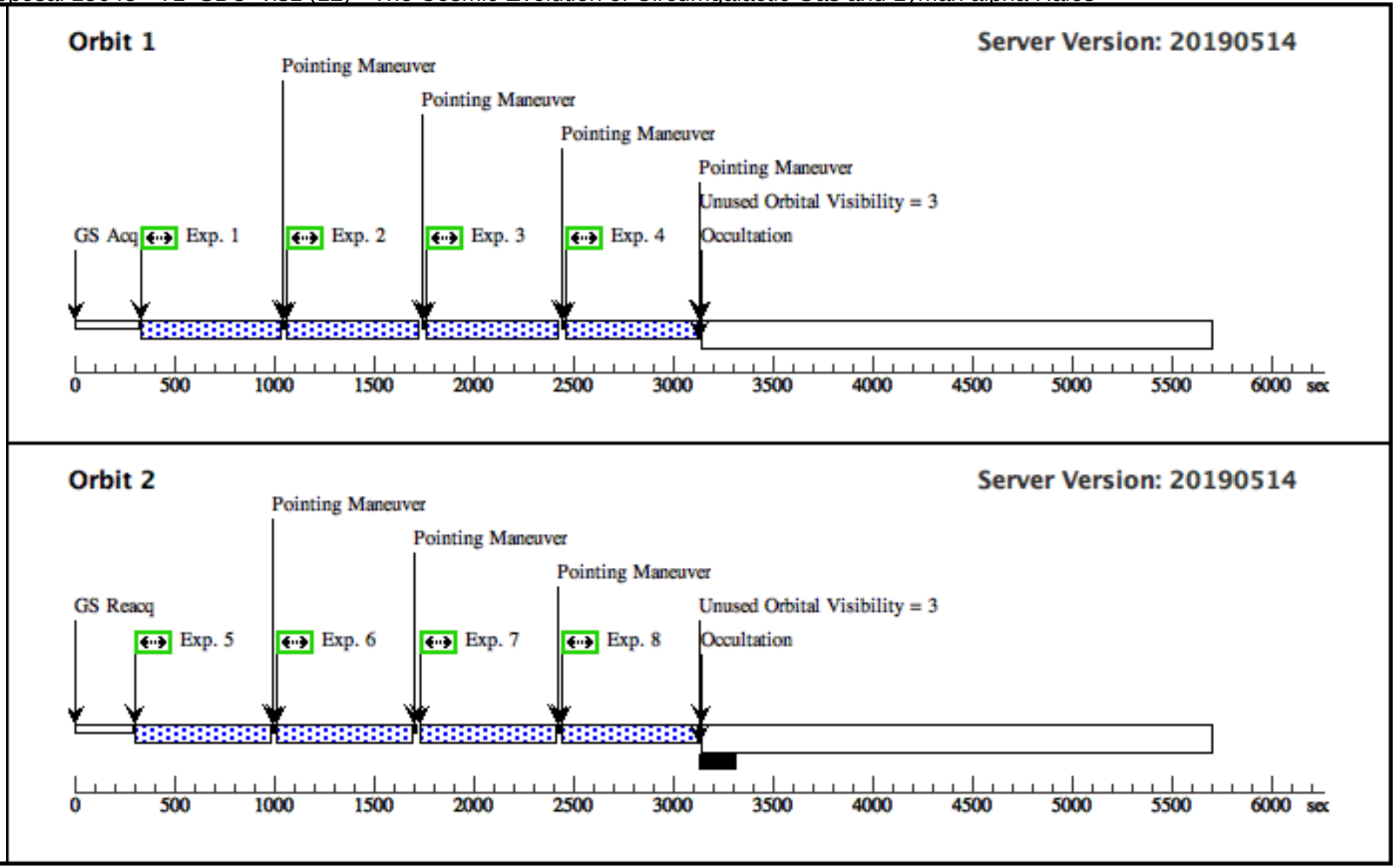
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	SDSSJ231812.99-004125.9 Alt Name1: CG1449	RA: 23 18 13.0024 (349.5541767d) Dec: -00 41 25.87 (-.69052d) Equinox: J2000		V=18.44 log(L_FUV/Lsun) = 10.934410	Reference Frame: ICRS

Comments: original coordinats: 23 18 13.0008 -00 41 26.15
Category=GALAXY
Description=[STARBURST]
Extended=YES

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(1301634)	(1) SDSSJ231812.99-004125.9	ACS/SBC, ACCUM, SBC-FIX	F165LP		POS TARG -2.9920, 3.4500		634 Secs (634 Secs) *[==>]*	 ***[1]***
2	(1301634)	(1) SDSSJ231812.99-004125.9	ACS/SBC, ACCUM, SBC-FIX	F165LP		POS TARG -2.9835 ,2.5585		634 Secs (634 Secs) *[==>]*	 ***[1]***
3	(1301634)	(1) SDSSJ231812.99-004125.9	ACS/SBC, ACCUM, SBC-FIX	F165LP		POS TARG 3.0090,2 .5670		634 Secs (634 Secs) *[==>]*	 ***[1]***
4	(1301634)	(1) SDSSJ231812.99-004125.9	ACS/SBC, ACCUM, SBC-FIX	F165LP		POS TARG 3.0175,4 .5255		634 Secs (634 Secs) *[==>]*	 ***[1]***
5	(1301634)	(1) SDSSJ231812.99-004125.9	ACS/SBC, ACCUM, SBC-FIX	F165LP		POS TARG 2.9920,-2.7000		652 Secs (652 Secs) *[==>]*	 ***[2]***
6	(1301634)	(1) SDSSJ231812.99-004125.9	ACS/SBC, ACCUM, SBC-FIX	F165LP		POS TARG 3.0005,-3.2915		652 Secs (652 Secs) *[==>]*	 ***[2]***
7	(1301634)	(1) SDSSJ231812.99-004125.9	ACS/SBC, ACCUM, SBC-FIX	F165LP		POS TARG -2.9750, -2.5330		652 Secs (652 Secs) *[==>]*	 ***[2]***
8	(1301634)	(1) SDSSJ231812.99-004125.9	ACS/SBC, ACCUM, SBC-FIX	F165LP		POS TARG -2.9665, -4.4745		652 Secs (652 Secs) *[==>]*	 ***[2]***

Orbit Structure



Visit

Proposal 15643, T1_ACS (16), completed Tue Aug 20 18:01:46 GMT 2019

Diagnostic Status: Warning

Scientific Instruments: ACS/WFC

Special Requirements: (none)

Diagnostics

(Exposure 4 (T1_ACS (16))) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp filters as central wavelengths & transmission efficiencies vary within the apertures.

Fixed Targets

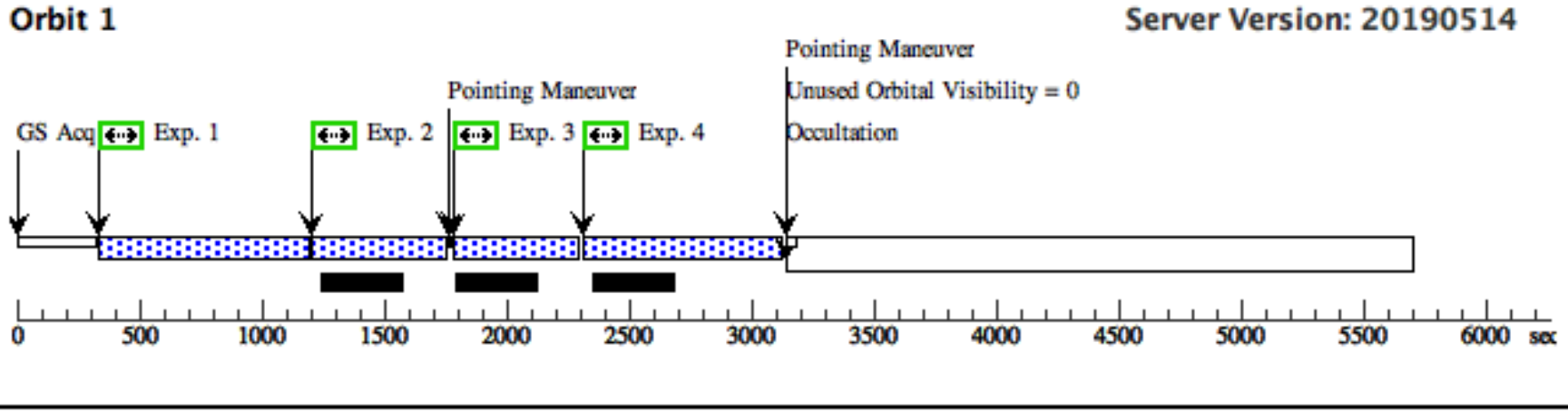
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	SDSSJ231812.99-004125.9 Alt Name1: CG1449	RA: 23 18 13.0024 (349.5541767d) Dec: -00 41 25.87 (-.69052d) Equinox: J2000		V=18.44 log(L_FUV/Lsun) = 10.934410	Reference Frame: ICRS

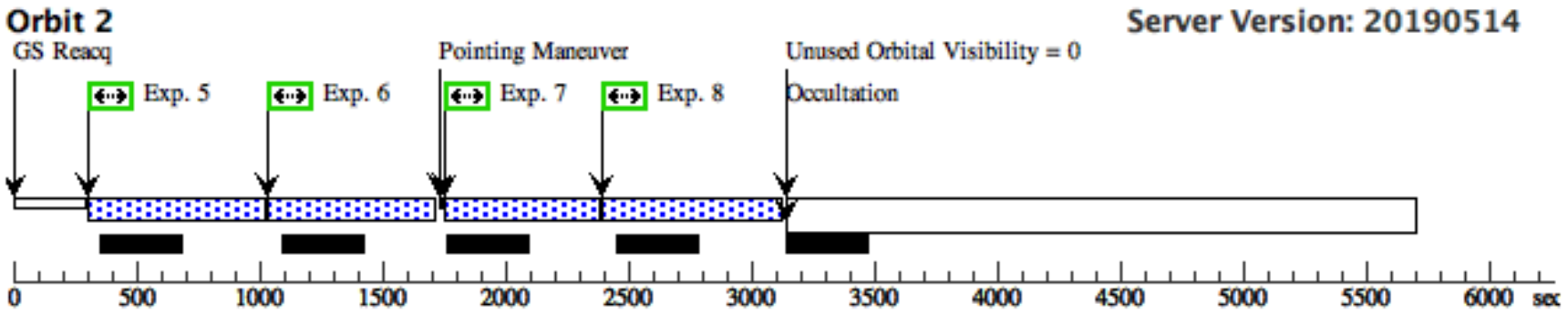
Comments: original coordinats: 23 18 13.0008 -00 41 26.15
Category=GALAXY
Description=[STARBURST]
Extended=YES

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(1) SDSSJ231812.99-004125.9	ACS/WFC, ACCUM, WFC1-IRAMP	FR853N 8215 A	FLASH=10			650 Secs (650 Secs) *[==>]*	*[1]*
2		(1) SDSSJ231812.99-004125.9	ACS/WFC, ACCUM, WFC1-IRAMP	F814W				389 Secs (389 Secs) *[==>]*	*[1]*
3		(1) SDSSJ231812.99-004125.9	ACS/WFC, ACCUM, WFC1-IRAMP	F814W		POS TARG 0.725,0.365		389 Secs (389 Secs) *[==>]*	*[1]*
4		(1) SDSSJ231812.99-004125.9	ACS/WFC, ACCUM, WFC1-IRAMP	FR853N 8215 A	FLASH=10	POS TARG 0.725,0.365		650 Secs (650 Secs) *[==>]*	*[1]*
5		(1) SDSSJ231812.99-004125.9	ACS/WFC, ACCUM, WFC1	F435W				558 Secs (558 Secs) *[==>]*	*[2]*
6		(1) SDSSJ231812.99-004125.9	ACS/WFC, ACCUM, WFC1	F555W		SAME POS AS 5		508 Secs (508 Secs) *[==>]*	*[2]*
7		(1) SDSSJ231812.99-004125.9	ACS/WFC, ACCUM, WFC1	F555W		POS TARG 0.725,0.365		508 Secs (508 Secs) *[==>]*	*[2]*
8		(1) SDSSJ231812.99-004125.9	ACS/WFC, ACCUM, WFC1	F435W		SAME POS AS 7		558 Secs (558 Secs) *[==>]*	*[2]*

Orbit Structure





Visit

Proposal 15643, T1_COS (19), implementation Tue Aug 20 18:01:46 GMT 2019

Diagnostic Status: Warning

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: (none)

Diagnostics

(FUV Spec 1 (19.002)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details.

Fixed Targets

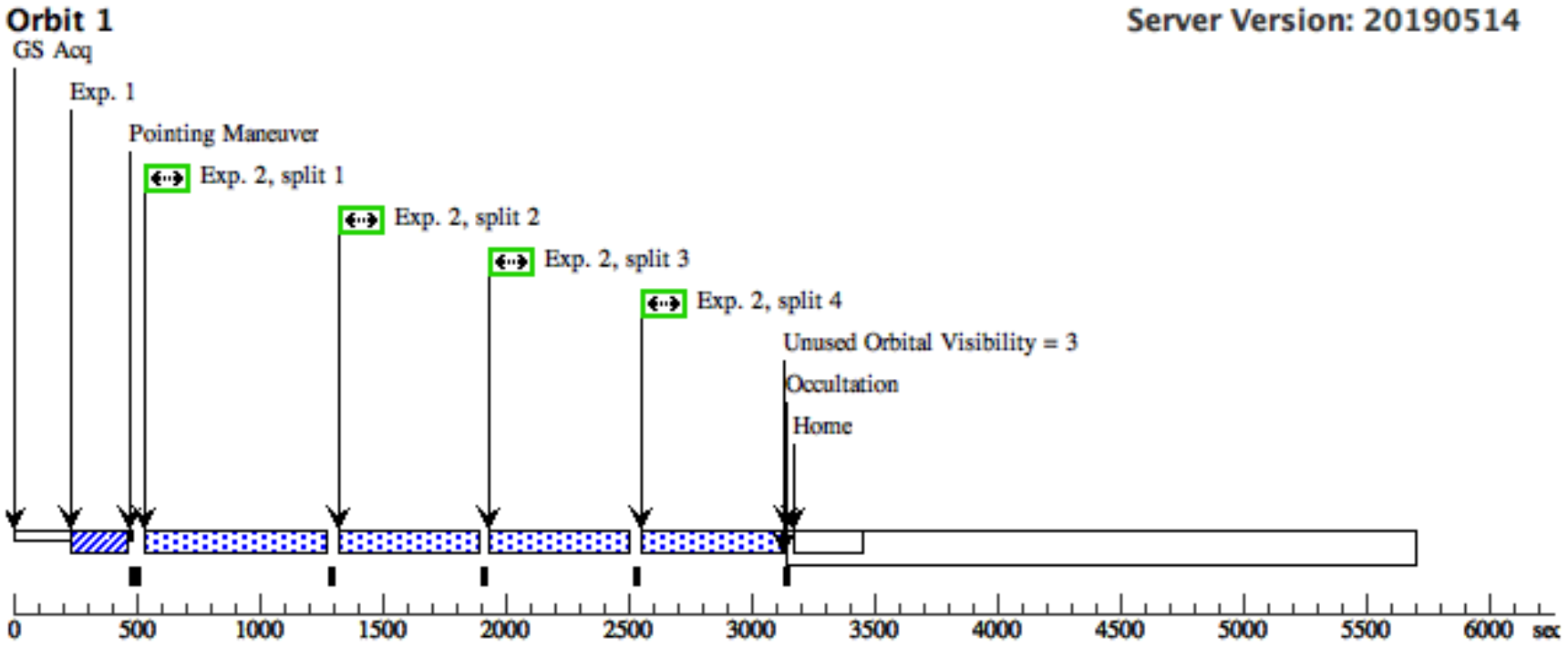
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	SDSSJ231812.99-004125.9 Alt Name1: CG1449	RA: 23 18 13.0024 (349.5541767d) Dec: -00 41 25.87 (-.69052d) Equinox: J2000		V=18.44 log(L_FUV/Lsun) = 10.934410	Reference Frame: ICRS

Comments: original coordinats: 23 18 13.0008 -00 41 26.15
Category=GALAXY
Description=[STARBURST]
Extended=YES

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Acquisition (1301134)	(1) SDSSJ231812.99-004125.9	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				5 Secs (5 Secs)	
								[==>]	***[1]***
2	FUV Spec 1 (1301403)	(1) SDSSJ231812.99-004125.9	COS/FUV, TIME-TAG, PSA	G160M 1623 A	FLASH=YES; FP-POS=ALL; BUFFER-TIME=20000			514 Secs (2056 Secs)	
								[==>(Split 1)] *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	***[1]***

Orbit Structure



Visit

Proposal 15643, T2_SBC_Centre (21), scheduling Tue Aug 20 18:01:46 GMT 2019

Diagnostic Status: No Diagnostics

Scientific Instruments: ACS/SBC

Special Requirements: (none)

Comments: Target 2
SBC visit 1 (1 orbit)
1 pointing in the center

This visit should only be executed when the SBC has not been used in the last 24 hours, and the MAMA detector has been allowed to cool. This minimizes the dark current in the SBC image, and was mentioned as a Special Requirement at Phase I.

Fixed Targets

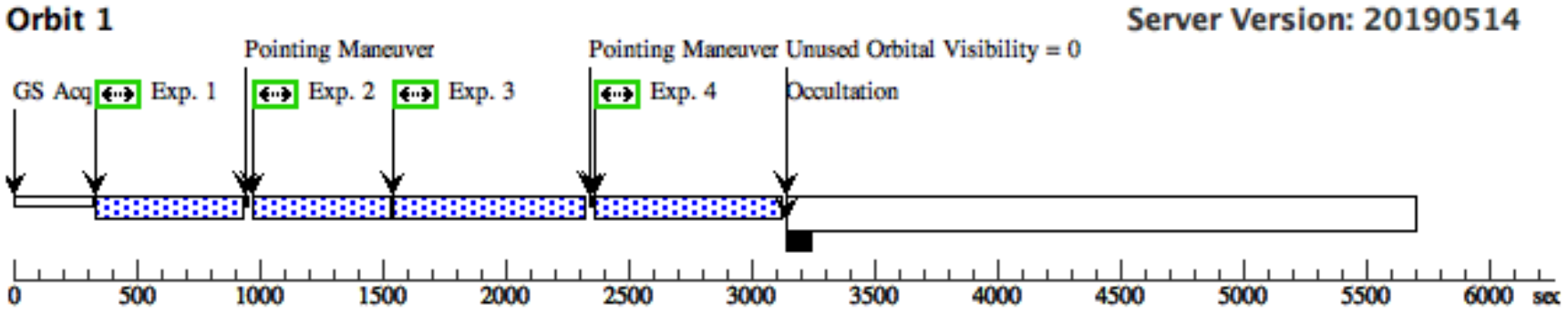
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	SDSSJ013913.21+010856.0 Alt Name1: CG4164	RA: 01 39 13.2153 (24.8050637d) Dec: +01 08 55.93 (1.14887d) Equinox: J2000		V=19.78 log(L_FUV/Lsun) = 10.139153	Reference Frame: ICRS

Comments: original coordinates : 01 39 13.2106 +01 08 55.95
Category=GALAXY
Description=[STARBURST]
Extended=YES

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(1301431)	(2) SDSSJ013913.21+010856.0	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG -0.5,-0.5		535 Secs (535 Secs)	
								[==>]	***[1]***
2	(1301431)	(2) SDSSJ013913.21+010856.0	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 0.5,0.5		535 Secs (535 Secs)	
								[==>]	***[1]***
3	(1301430)	(2) SDSSJ013913.21+010856.0	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 2		737 Secs (737 Secs)	
								[==>]	***[1]***
4	(1301430)	(2) SDSSJ013913.21+010856.0	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 1		737 Secs (737 Secs)	
								[==>]	***[1]***

Orbit Structure



Visit

Proposal 15643, T2_SBC_L1 (22), scheduling Tue Aug 20 18:01:46 GMT 2019

Diagnostic Status: No Diagnostics

Scientific Instruments: ACS/SBC

Special Requirements: (none)

Comments: Target 2
SBC visit 2 (2 orbits)
L-shape 4 pointings

This visit should only be executed when the SBC has not been used in the last 24 hours, and the MAMA detector has been allowed to cool. This minimizes the dark current in the SBC image, and was mentioned as a Special Requirement at Phase I.

Fixed Targets

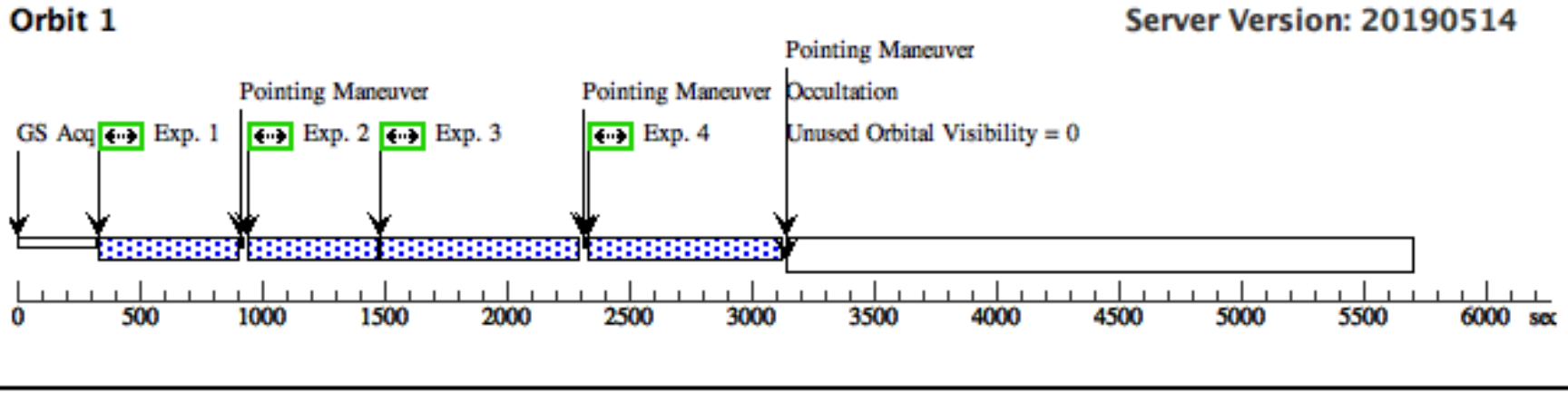
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	SDSSJ013913.21+010856.0 Alt Name1: CG4164	RA: 01 39 13.2153 (24.8050637d) Dec: +01 08 55.93 (1.14887d) Equinox: J2000		V=19.78 log(L_FUV/Lsun) = 10.139153	Reference Frame: ICRS

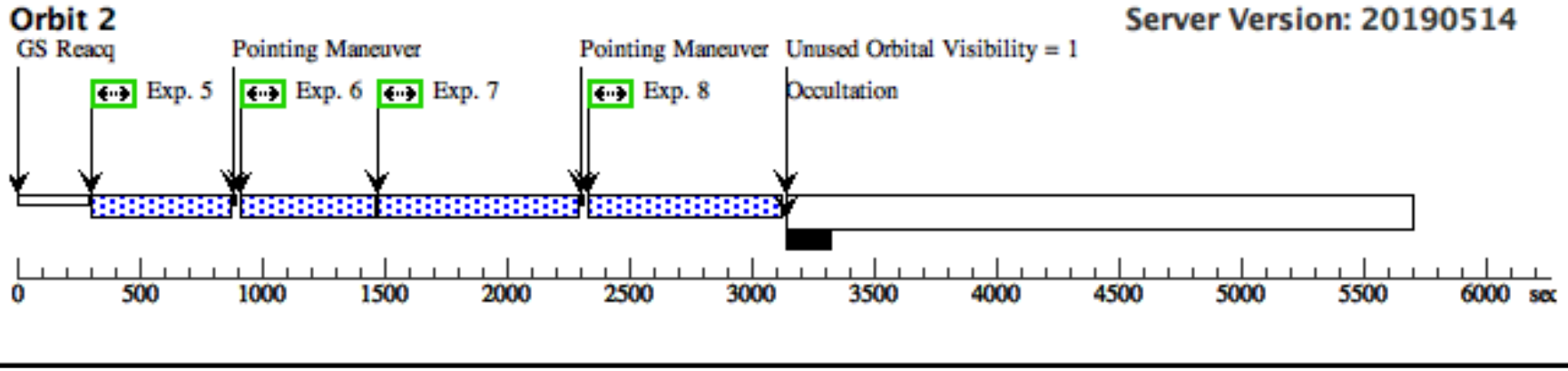
Comments: original coordinates : 01 39 13.2106 +01 08 55.95
Category=GALAXY
Description=[STARBURST]
Extended=YES

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(1301431)	(2) SDSSJ013913.21+010856.0	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG -3.842,3.810		505 Secs (505 Secs) *[==>]*	 ***[1]***
2	(1301431)	(2) SDSSJ013913.21+010856.0	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG -0.329,3.520		505 Secs (505 Secs) *[==>]*	 ***[1]***
3	(1301430)	(2) SDSSJ013913.21+010856.0	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 2		763 Secs (763 Secs) *[==>]*	 ***[1]***
4	(1301430)	(2) SDSSJ013913.21+010856.0	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 1		763 Secs (763 Secs) *[==>]*	 ***[1]***
5	(1301431)	(2) SDSSJ013913.21+010856.0	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 3.185,3.230		520 Secs (520 Secs) *[==>]*	 ***[2]***
6	(1301431)	(2) SDSSJ013913.21+010856.0	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG -3.502,0.300		520 Secs (520 Secs) *[==>]*	 ***[2]***
7	(1301430)	(2) SDSSJ013913.21+010856.0	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 6		768 Secs (768 Secs) *[==>]*	 ***[2]***
8	(1301430)	(2) SDSSJ013913.21+010856.0	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 5		768 Secs (768 Secs) *[==>]*	 ***[2]***

Orbit Structure





Visit

Proposal 15643, T2_SBC_L2 (23), scheduling Tue Aug 20 18:01:46 GMT 2019

Diagnostic Status: No Diagnostics

Scientific Instruments: ACS/SBC

Special Requirements: (none)

Comments: Target 2
SBC visit 3 (2 orbits)
L-shape 4 pointings

This visit should only be executed when the SBC has not been used in the last 24 hours, and the MAMA detector has been allowed to cool. This minimizes the dark current in the SBC image, and was mentioned as a Special Requirement at Phase I.

Fixed Targets

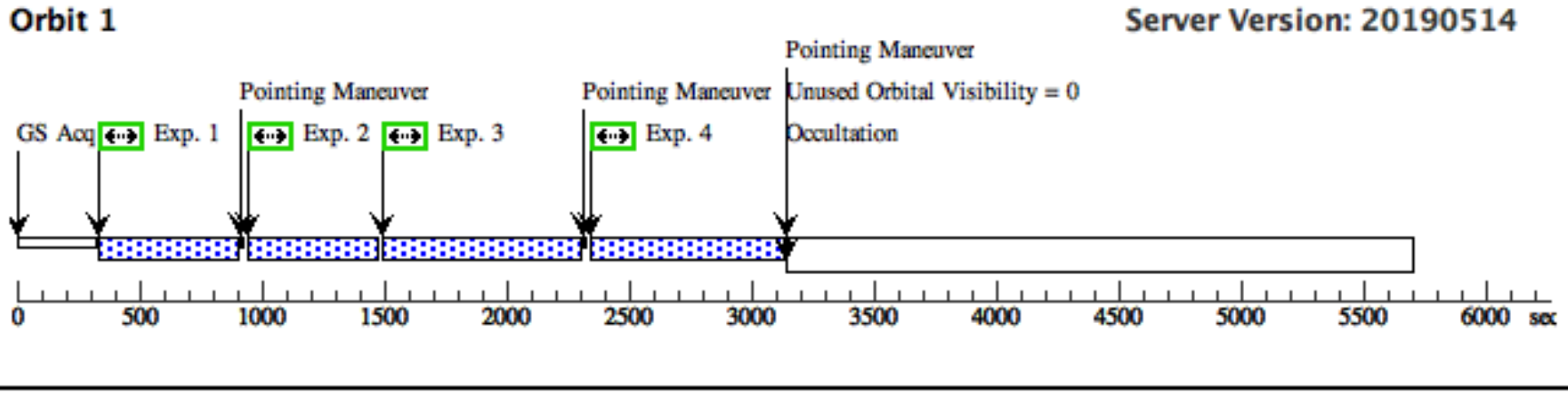
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	SDSSJ013913.21+010856.0 Alt Name1: CG4164	RA: 01 39 13.2153 (24.8050637d) Dec: +01 08 55.93 (1.14887d) Equinox: J2000		V=19.78 log(L_FUV/Lsun) = 10.139153	Reference Frame: ICRS

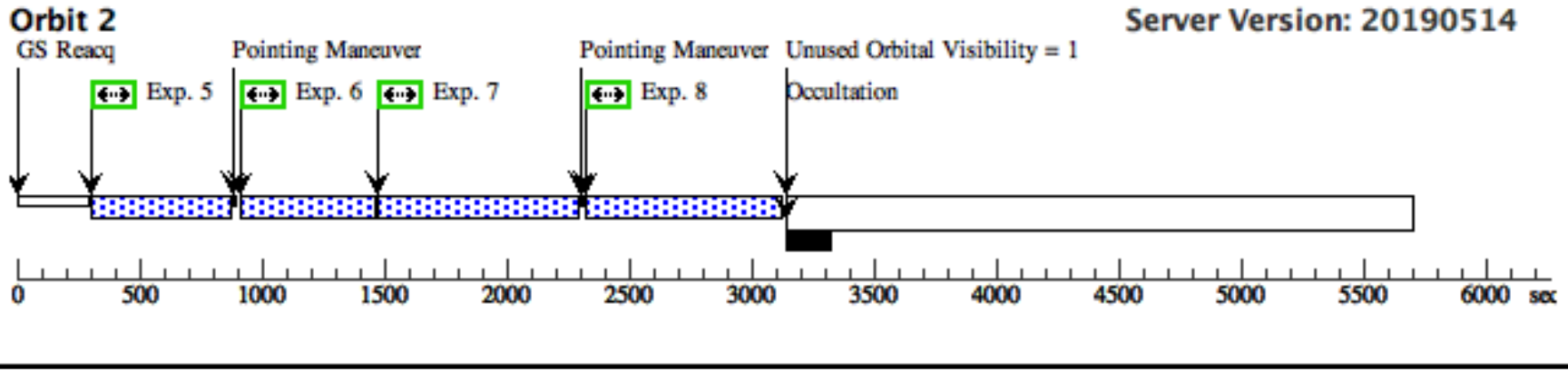
Comments: original coordinates : 01 39 13.2106 +01 08 55.95
Category=GALAXY
Description=[STARBURST]
Extended=YES

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(1301431)	(2) SDSSJ013913.21+010856.0	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 3.525,-0.280		504 Secs (504 Secs) *[==>]*	 ***[1]***
2	(1301431)	(2) SDSSJ013913.21+010856.0	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG -3.162,-3.210		504 Secs (504 Secs) *[==>]*	 ***[1]***
3	(1301430)	(2) SDSSJ013913.21+010856.0	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 2		760 Secs (760 Secs) *[==>]*	 ***[1]***
4	(1301430)	(2) SDSSJ013913.21+010856.0	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 1		760 Secs (760 Secs) *[==>]*	 ***[1]***
5	(1301431)	(2) SDSSJ013913.21+010856.0	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 0.351,-3.500		520 Secs (520 Secs) *[==>]*	 ***[2]***
6	(1301431)	(2) SDSSJ013913.21+010856.0	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 3.865,-3.790		520 Secs (520 Secs) *[==>]*	 ***[2]***
7	(1301430)	(2) SDSSJ013913.21+010856.0	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 6		772 Secs (772 Secs) *[==>]*	 ***[2]***
8	(1301430)	(2) SDSSJ013913.21+010856.0	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 5		772 Secs (772 Secs) *[==>]*	 ***[2]***

Orbit Structure





Visit

Proposal 15643, T2_ACS (26), scheduling Tue Aug 20 18:01:47 GMT 2019

Diagnostic Status: Warning

Scientific Instruments: ACS/WFC

Special Requirements: (none)

Diagnostics

(Exposure 4 (T2_ACS (26))) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp filters as central wavelengths & transmission efficiencies vary within the apertures.

Fixed Targets

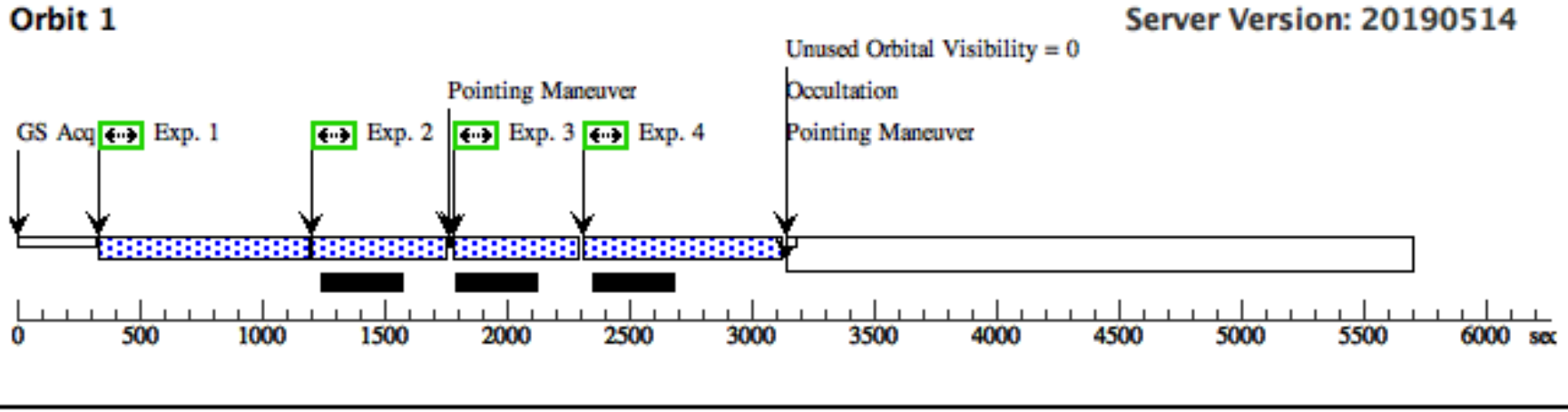
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	SDSSJ013913.21+010856.0 Alt Name1: CG4164	RA: 01 39 13.2153 (24.8050637d) Dec: +01 08 55.93 (1.14887d) Equinox: J2000		V=19.78 log(L_FUV/Lsun) = 10.139153	Reference Frame: ICRS

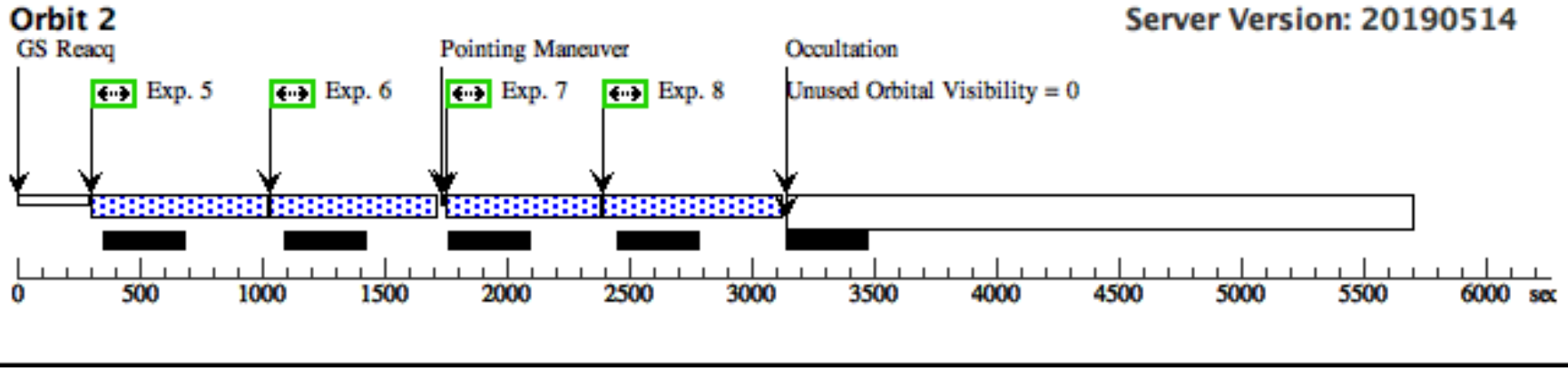
Comments: original coordinates : 01 39 13.2106 +01 08 55.95
Category=GALAXY
Description=[STARBURST]
Extended=YES

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(2) SDSSJ013913.21+010856.0	ACS/WFC, ACCUM, WFC1-IRAMP	FR853N 8580 A	FLASH=11			650 Secs (650 Secs) *[==>]*	*[1]*
2		(2) SDSSJ013913.21+010856.0	ACS/WFC, ACCUM, WFC1-IRAMP	F814W				389 Secs (389 Secs) *[==>]*	*[1]*
3		(2) SDSSJ013913.21+010856.0	ACS/WFC, ACCUM, WFC1-IRAMP	F814W		POS TARG 0.725,0.365		389 Secs (389 Secs) *[==>]*	*[1]*
4		(2) SDSSJ013913.21+010856.0	ACS/WFC, ACCUM, WFC1-IRAMP	FR853N 8580 A	FLASH=11	POS TARG 0.725,0.365		650 Secs (650 Secs) *[==>]*	*[1]*
5		(2) SDSSJ013913.21+010856.0	ACS/WFC, ACCUM, WFC1	F435W				558 Secs (558 Secs) *[==>]*	*[2]*
6		(2) SDSSJ013913.21+010856.0	ACS/WFC, ACCUM, WFC1	F555W				508 Secs (508 Secs) *[==>]*	*[2]*
7		(2) SDSSJ013913.21+010856.0	ACS/WFC, ACCUM, WFC1	F555W		POS TARG 0.725,0.365		508 Secs (508 Secs) *[==>]*	*[2]*
8		(2) SDSSJ013913.21+010856.0	ACS/WFC, ACCUM, WFC1	F435W		SAME POS AS 7		558 Secs (558 Secs) *[==>]*	*[2]*

Orbit Structure





Visit

Proposal 15643, T2_COS (29), implementation Tue Aug 20 18:01:47 GMT 2019

Diagnostic Status: Warning

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: (none)

Diagnostics

(FUV Spec 1 (29.002)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details.

Fixed Targets

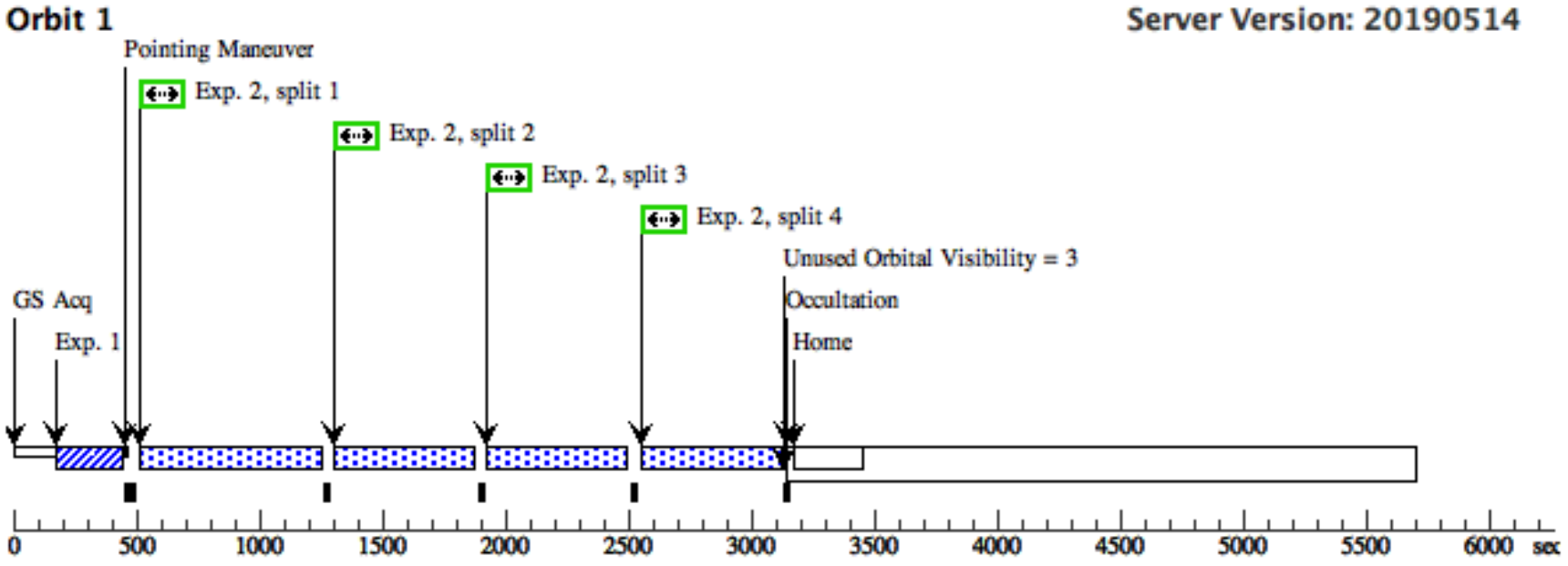
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	SDSSJ013913.21+010856.0 Alt Name1: CG4164	RA: 01 39 13.2153 (24.8050637d) Dec: +01 08 55.93 (1.14887d) Equinox: J2000		V=19.78 log(L_FUV/Lsun) = 10.139153	Reference Frame: ICRS

Comments: original coordinates : 01 39 13.2106 +01 08 55.95
Category=GALAXY
Description=[STARBURST]
Extended=YES

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Acquisition (1301135)	(2) SDSSJ013913.21+010856.0	COS/NUV, ACQ/IMAGE, PSA	MIRRORA		GS ACQ SCENARIO BASE1B3		25 Secs (25 Secs) *[==>]*	 ***[1]***
2	FUV Spec 1 (1301406)	(2) SDSSJ013913.21+010856.0	COS/FUV, TIME-TAG, PSA	G160M 1623 A	FLASH=YES; FP-POS=ALL; BUFFER-TIME=25000			519 Secs (2076 Secs) *[==>(Split 1)]* *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	 ***[1]***

Orbit Structure



Visit

Proposal 15643, T3_SBC_Centre (31), scheduling Tue Aug 20 18:01:47 GMT 2019

Diagnostic Status: No Diagnostics

Scientific Instruments: ACS/SBC

Special Requirements: (none)

Comments: Target 3
SBC visit 1 (1 orbit)
1 pointing in the center

This visit should only be executed when the SBC has not been used in the last 24 hours, and the MAMA detector has been allowed to cool. This minimizes the dark current in the SBC image, and was mentioned as a Special Requirement at Phase I.

Fixed Targets

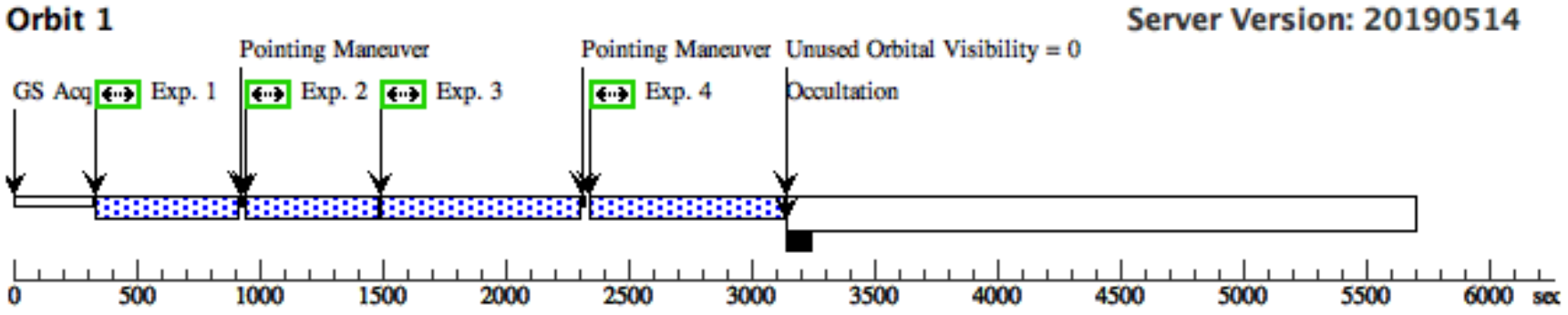
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(3)	SDSSJ023243.62-004832.3 Alt Name1: CG3033	RA: 02 32 43.6195 (38.1817479d) Dec: -00 48 32.40 (-.80900d) Equinox: J2000		V=22.23 log(L_FUV/Lsun) = 9.850926	Reference Frame: ICRS

Comments:
Category=GALAXY
Description=[STARBURST]
Extended=YES

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(1301434)	(3) SDSSJ023243.62-004832.3	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG -0.5,-0.5		510 Secs (510 Secs) *[==>]*	 ***[1]***
2	(1301434)	(3) SDSSJ023243.62-004832.3	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 0.5,0.5		510 Secs (510 Secs) *[==>]*	 ***[1]***
3	(1301433)	(3) SDSSJ023243.62-004832.3	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 2		762 Secs (762 Secs) *[==>]*	 ***[1]***
4	(1301433)	(3) SDSSJ023243.62-004832.3	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 1		762 Secs (762 Secs) *[==>]*	 ***[1]***

Orbit Structure



Visit

Proposal 15643, T3_SBC_L1 (32), scheduling Tue Aug 20 18:01:47 GMT 2019

Diagnostic Status: No Diagnostics

Scientific Instruments: ACS/SBC

Special Requirements: (none)

Comments: Target 3
SBC visit 2 (2 orbits)
L-shape 4 pointings

This visit should only be executed when the SBC has not been used in the last 24 hours, and the MAMA detector has been allowed to cool. This minimizes the dark current in the SBC image, and was mentioned as a Special Requirement at Phase I.

Fixed Targets

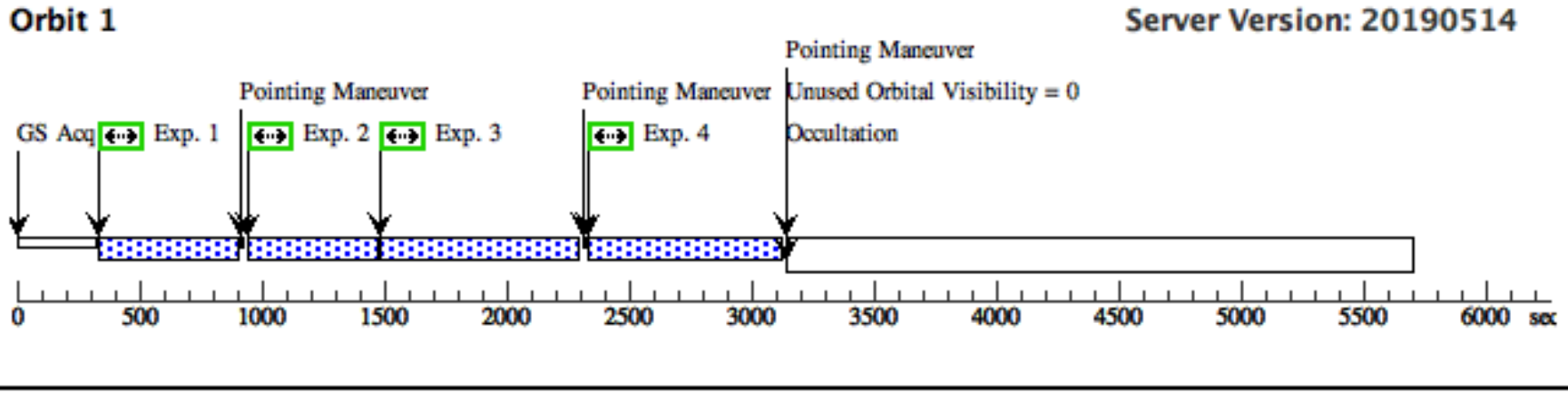
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(3)	SDSSJ023243.62-004832.3 Alt Name1: CG3033	RA: 02 32 43.6195 (38.1817479d) Dec: -00 48 32.40 (-.80900d) Equinox: J2000		V=22.23 log(L_FUV/Lsun) = 9.850926	Reference Frame: ICRS

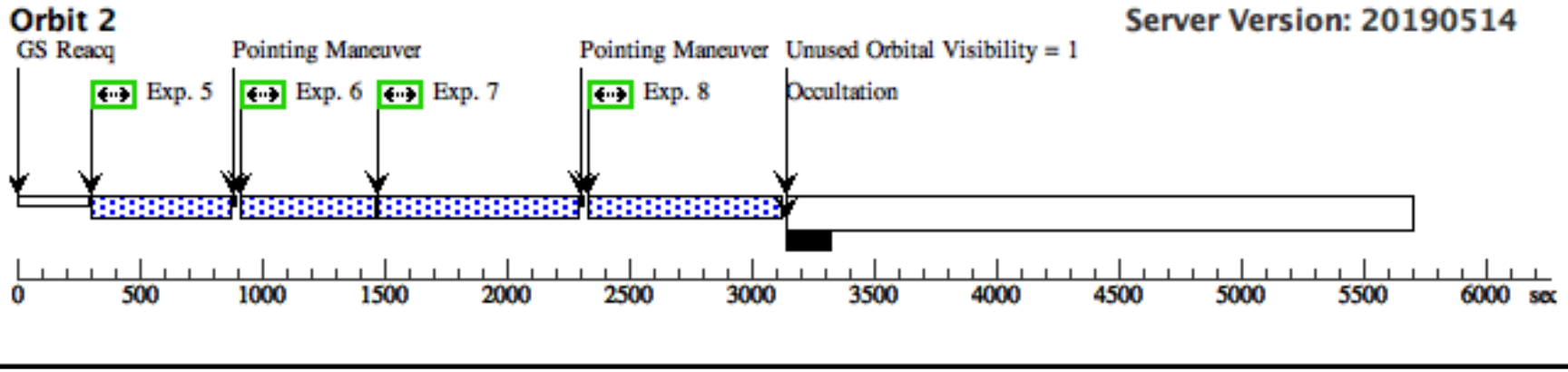
Comments:
Category=GALAXY
Description=[STARBURST]
Extended=YES

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(1301434)	(3) SDSSJ023243.62-004832.3	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG -3.842,3.810		505 Secs (505 Secs) *[==>]*	 ***[1]***
2	(1301434)	(3) SDSSJ023243.62-004832.3	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG -0.329,3.520		505 Secs (505 Secs) *[==>]*	 ***[1]***
3	(1301433)	(3) SDSSJ023243.62-004832.3	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 2		763 Secs (763 Secs) *[==>]*	 ***[1]***
4	(1301433)	(3) SDSSJ023243.62-004832.3	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 1		763 Secs (763 Secs) *[==>]*	 ***[1]***
5	(1301434)	(3) SDSSJ023243.62-004832.3	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 3.185,3.230		520 Secs (520 Secs) *[==>]*	 ***[2]***
6	(1301434)	(3) SDSSJ023243.62-004832.3	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG -3.502,0.300		520 Secs (520 Secs) *[==>]*	 ***[2]***
7	(1301433)	(3) SDSSJ023243.62-004832.3	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 6		768 Secs (768 Secs) *[==>]*	 ***[2]***
8	(1301433)	(3) SDSSJ023243.62-004832.3	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 5		768 Secs (768 Secs) *[==>]*	 ***[2]***

Orbit Structure





Visit

Proposal 15643, T3_SBC_L2 (33), scheduling Tue Aug 20 18:01:47 GMT 2019

Diagnostic Status: No Diagnostics

Scientific Instruments: ACS/SBC

Special Requirements: (none)

Comments: Target 3
SBC visit 3 (2 orbits)
L-shape 4 pointings

This visit should only be executed when the SBC has not been used in the last 24 hours, and the MAMA detector has been allowed to cool. This minimizes the dark current in the SBC image, and was mentioned as a Special Requirement at Phase I.

Fixed Targets

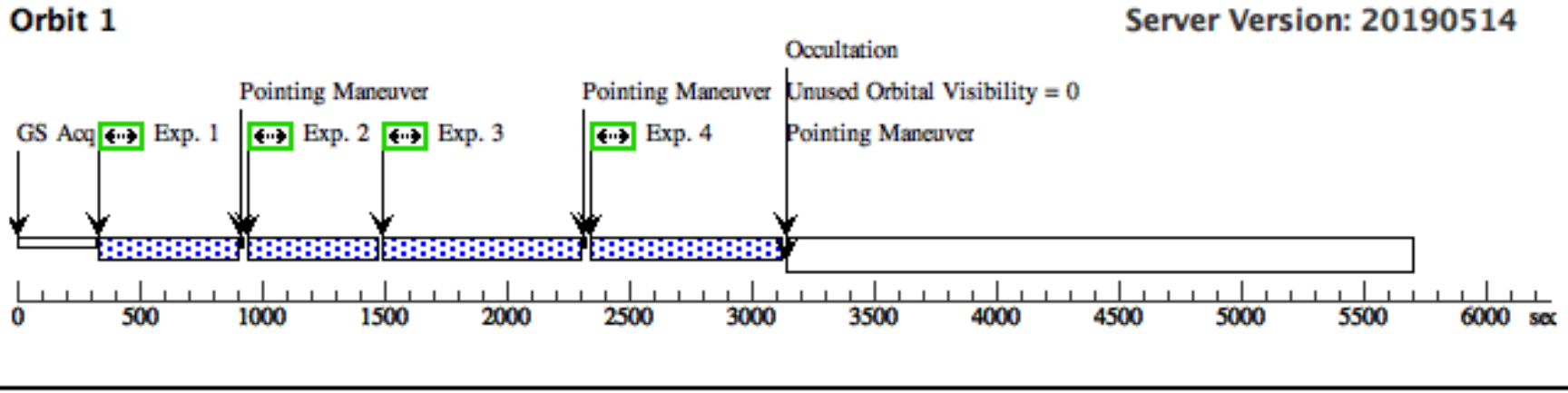
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(3)	SDSSJ023243.62-004832.3 Alt Name1: CG3033	RA: 02 32 43.6195 (38.1817479d) Dec: -00 48 32.40 (-.80900d) Equinox: J2000		V=22.23 log(L_FUV/Lsun) = 9.850926	Reference Frame: ICRS

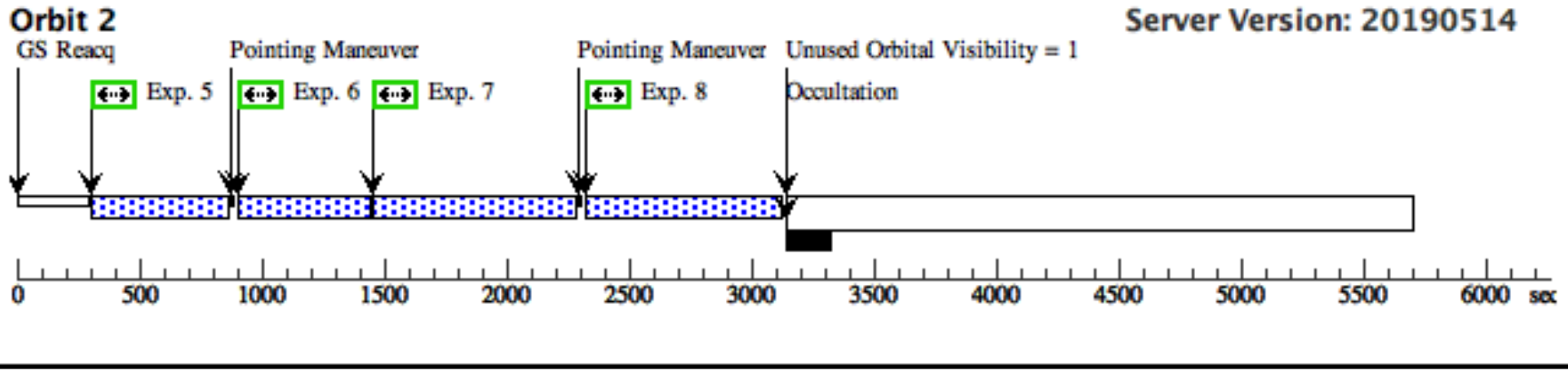
Comments:
Category=GALAXY
Description=[STARBURST]
Extended=YES

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(1301434)	(3) SDSSJ023243.62-004832.3	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 3.525,-0.280		505 Secs (505 Secs) *[==>]*	 ***[1]***
2	(1301434)	(3) SDSSJ023243.62-004832.3	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG -3.162,-3.210		505 Secs (505 Secs) *[==>]*	 ***[1]***
3	(1301433)	(3) SDSSJ023243.62-004832.3	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 2		759 Secs (759 Secs) *[==>]*	 ***[1]***
4	(1301433)	(3) SDSSJ023243.62-004832.3	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 1		759 Secs (759 Secs) *[==>]*	 ***[1]***
5	(1301434)	(3) SDSSJ023243.62-004832.3	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 0.351,-3.500		514 Secs (514 Secs) *[==>]*	 ***[2]***
6	(1301434)	(3) SDSSJ023243.62-004832.3	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 3.865,-3.790		514 Secs (514 Secs) *[==>]*	 ***[2]***
7	(1301433)	(3) SDSSJ023243.62-004832.3	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 6		778 Secs (778 Secs) *[==>]*	 ***[2]***
8	(1301433)	(3) SDSSJ023243.62-004832.3	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 5		778 Secs (778 Secs) *[==>]*	 ***[2]***

Orbit Structure





Visit

Proposal 15643, T3_ACS (36), scheduling Tue Aug 20 18:01:47 GMT 2019

Diagnostic Status: Warning

Scientific Instruments: ACS/WFC

Special Requirements: (none)

Diagnostics

(Exposure 4 (T3_ACS (36))) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp filters as central wavelengths & transmission efficiencies vary within the apertures.

Fixed Targets

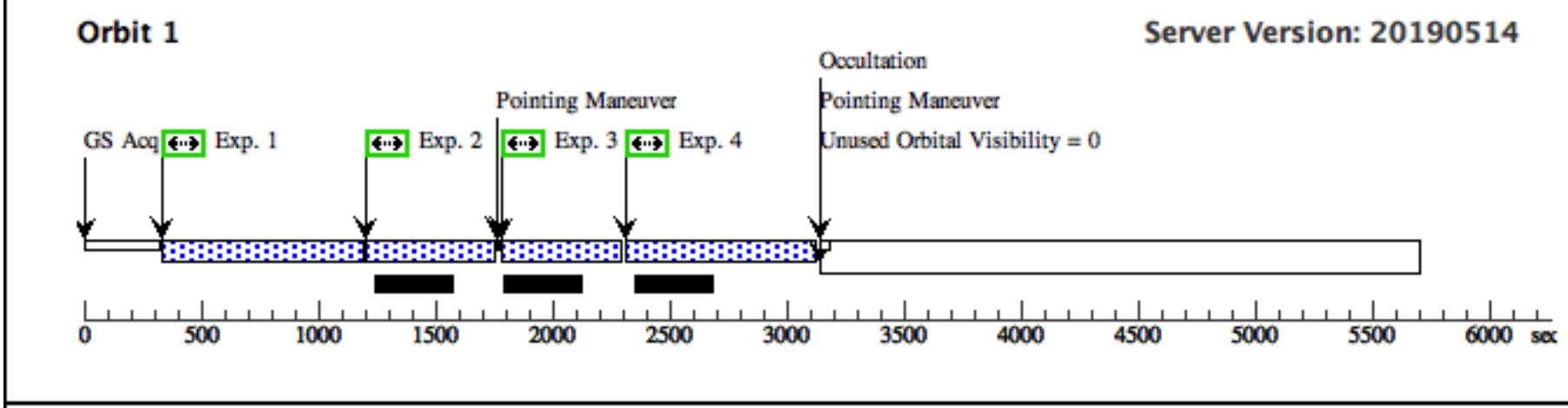
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(3)	SDSSJ023243.62-004832.3 Alt Name1: CG3033	RA: 02 32 43.6195 (38.1817479d) Dec: -00 48 32.40 (-.80900d) Equinox: J2000		V=22.23 log(L_FUV/Lsun) = 9.850926	Reference Frame: ICRS

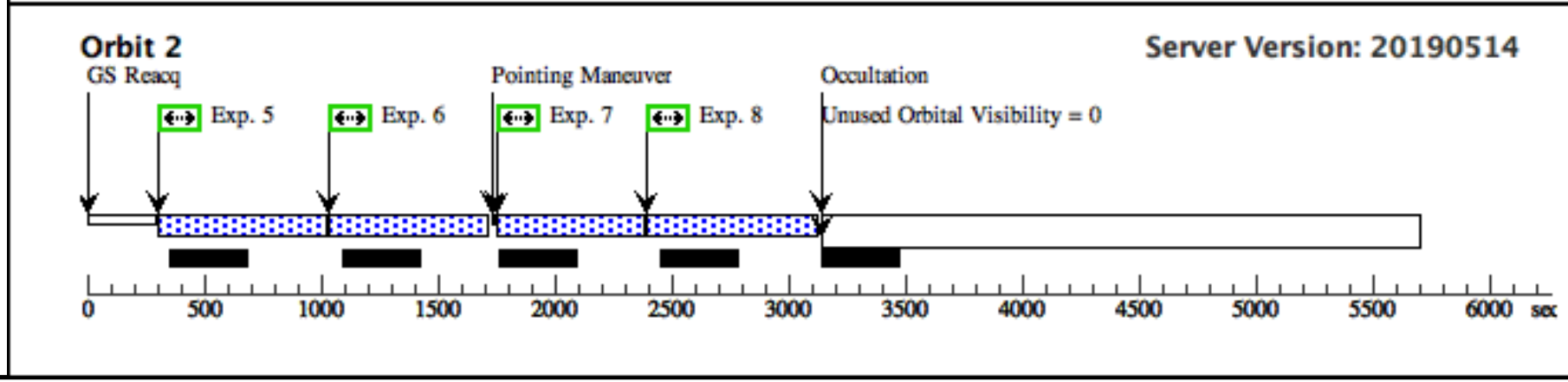
Comments:
Category=GALAXY
Description=[STARBURST]
Extended=YES

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(3) SDSSJ023243.62-004832.3	ACS/WFC, ACCUM, WFC1-IRAMP	FR853N 8594 A	FLASH=11			650 Secs (650 Secs) *[==>]*	*[1]*
2		(3) SDSSJ023243.62-004832.3	ACS/WFC, ACCUM, WFC1-IRAMP	F814W				389 Secs (389 Secs) *[==>]*	*[1]*
3		(3) SDSSJ023243.62-004832.3	ACS/WFC, ACCUM, WFC1-IRAMP	F814W		POS TARG 0.725,0.365		389 Secs (389 Secs) *[==>]*	*[1]*
4		(3) SDSSJ023243.62-004832.3	ACS/WFC, ACCUM, WFC1-IRAMP	FR853N 8594 A	FLASH=11	POS TARG 0.725,0.365		650 Secs (650 Secs) *[==>]*	*[1]*
5		(3) SDSSJ023243.62-004832.3	ACS/WFC, ACCUM, WFC1	F435W				558 Secs (558 Secs) *[==>]*	*[2]*
6		(3) SDSSJ023243.62-004832.3	ACS/WFC, ACCUM, WFC1	F555W				508 Secs (508 Secs) *[==>]*	*[2]*
7		(3) SDSSJ023243.62-004832.3	ACS/WFC, ACCUM, WFC1	F555W		POS TARG 0.725,0.365		508 Secs (508 Secs) *[==>]*	*[2]*
8		(3) SDSSJ023243.62-004832.3	ACS/WFC, ACCUM, WFC1	F435W		SAME POS AS 7		558 Secs (558 Secs) *[==>]*	*[2]*

Orbit Structure





Visit

Proposal 15643, T3_COS (39), implementation Tue Aug 20 18:01:47 GMT 2019

Diagnostic Status: Warning

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: (none)

Diagnostics

(FUV Spec 1 (39.002)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details.

Fixed Targets

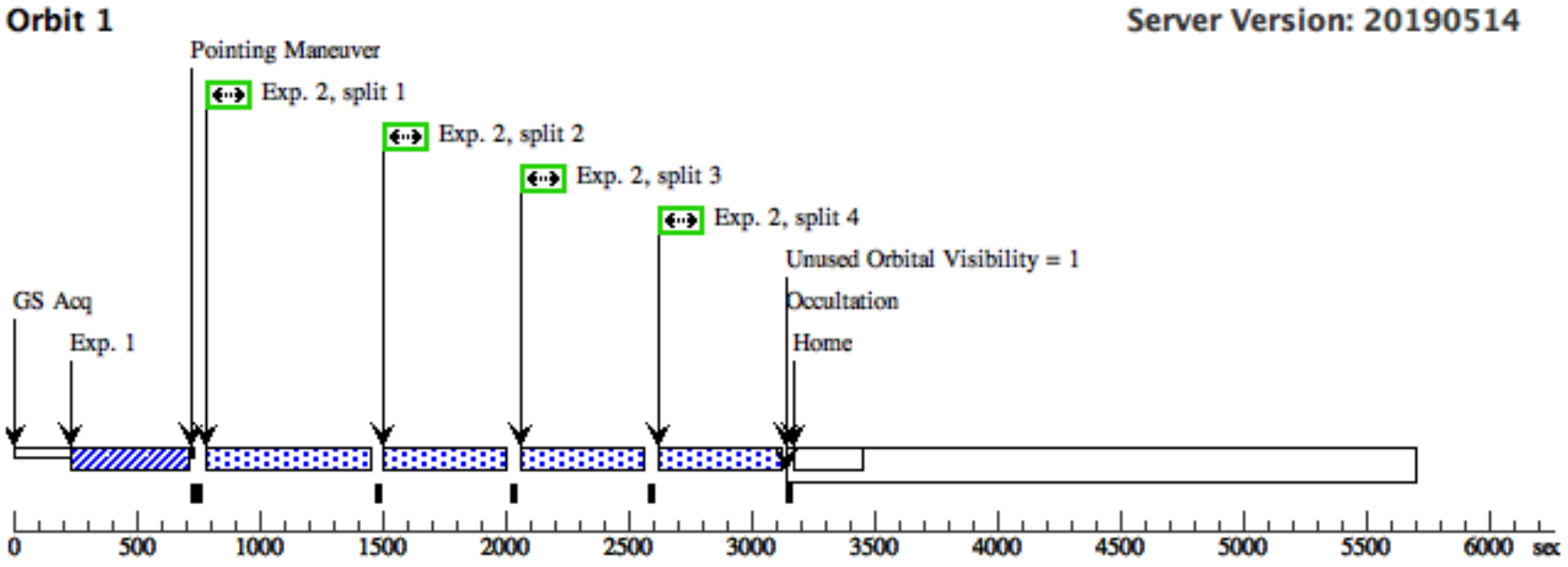
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(3)	SDSSJ023243.62-004832.3 Alt Name1: CG3033	RA: 02 32 43.6195 (38.1817479d) Dec: -00 48 32.40 (-.80900d) Equinox: J2000		V=22.23 log(L_FUV/Lsun) = 9.850926	Reference Frame: ICRS

Comments:
Category=GALAXY
Description=[STARBURST]
Extended=YES

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Acquisition (1375103)	(3) SDSSJ023243.62-004832.3	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				130 Secs (130 Secs)	
								[==>]	***[1]***
2	FUV Spec 1 (1301408)	(3) SDSSJ023243.62-004832.3	COS/FUV, TIME-TAG, PSA	G160M 1623 A	FLASH=YES; FP-POS=ALL; BUFFER-TIME=25000			452 Secs (1808 Secs)	
								[==>(Split 1)] *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	***[1]***

Orbit Structure



Visit

Proposal 15643, T4_SBC_Centre (41), completed Tue Aug 20 18:01:47 GMT 2019

Diagnostic Status: No Diagnostics

Scientific Instruments: ACS/SBC

Special Requirements: (none)

Comments: Target 4
SBC visit 1 (1 orbit)
1 pointing in the center

This visit should only be executed when the SBC has not been used in the last 24 hours, and the MAMA detector has been allowed to cool. This minimizes the dark current in the SBC image, and was mentioned as a Special Requirement at Phase I.

Fixed Targets

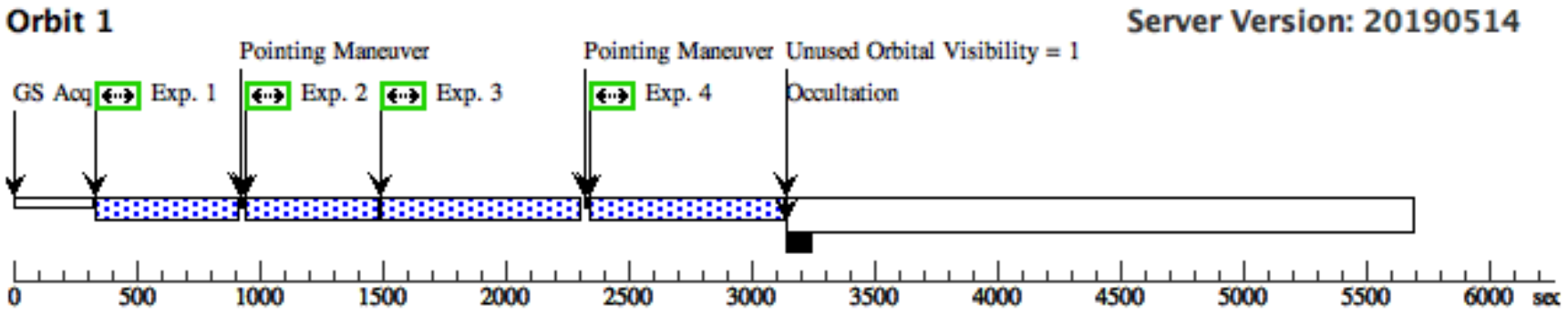
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(4)	SDSSJ000430.33-101129.6 Alt Name1: CG3711	RA: 00 04 30.3320 (1.1263833d) Dec: -10 11 29.61 (-10.19156d) Equinox: J2000		V=20.34 log(L_FUV/Lsun) = 10.236029	Reference Frame: ICRS

Comments: old coordinates: 00 04 30.3319 -10 11 29.61
Category=GALAXY
Description=[STARBURST]
Extended=YES

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(1301436)	(4) SDSSJ000430.33 -101129.6	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG -0.5,-0.5		510 Secs (510 Secs)	
								[==>]	***[1]***
2	(1301436)	(4) SDSSJ000430.33 -101129.6	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 0.5,0.5		510 Secs (510 Secs)	
								[==>]	***[1]***
3	(1301435)	(4) SDSSJ000430.33 -101129.6	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 2		765 Secs (765 Secs)	
								[==>]	***[1]***
4	(1301435)	(4) SDSSJ000430.33 -101129.6	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 1		765 Secs (765 Secs)	
								[==>]	***[1]***

Orbit Structure



Visit

Proposal 15643, T4_SBC_L1 (42), scheduling Tue Aug 20 18:01:47 GMT 2019

Diagnostic Status: No Diagnostics

Scientific Instruments: ACS/SBC

Special Requirements: (none)

Comments: Target 4
SBC visit 2 (2 orbits)
L-shape 4 pointings

This visit should only be executed when the SBC has not been used in the last 24 hours, and the MAMA detector has been allowed to cool. This minimizes the dark current in the SBC image, and was mentioned as a Special Requirement at Phase I.

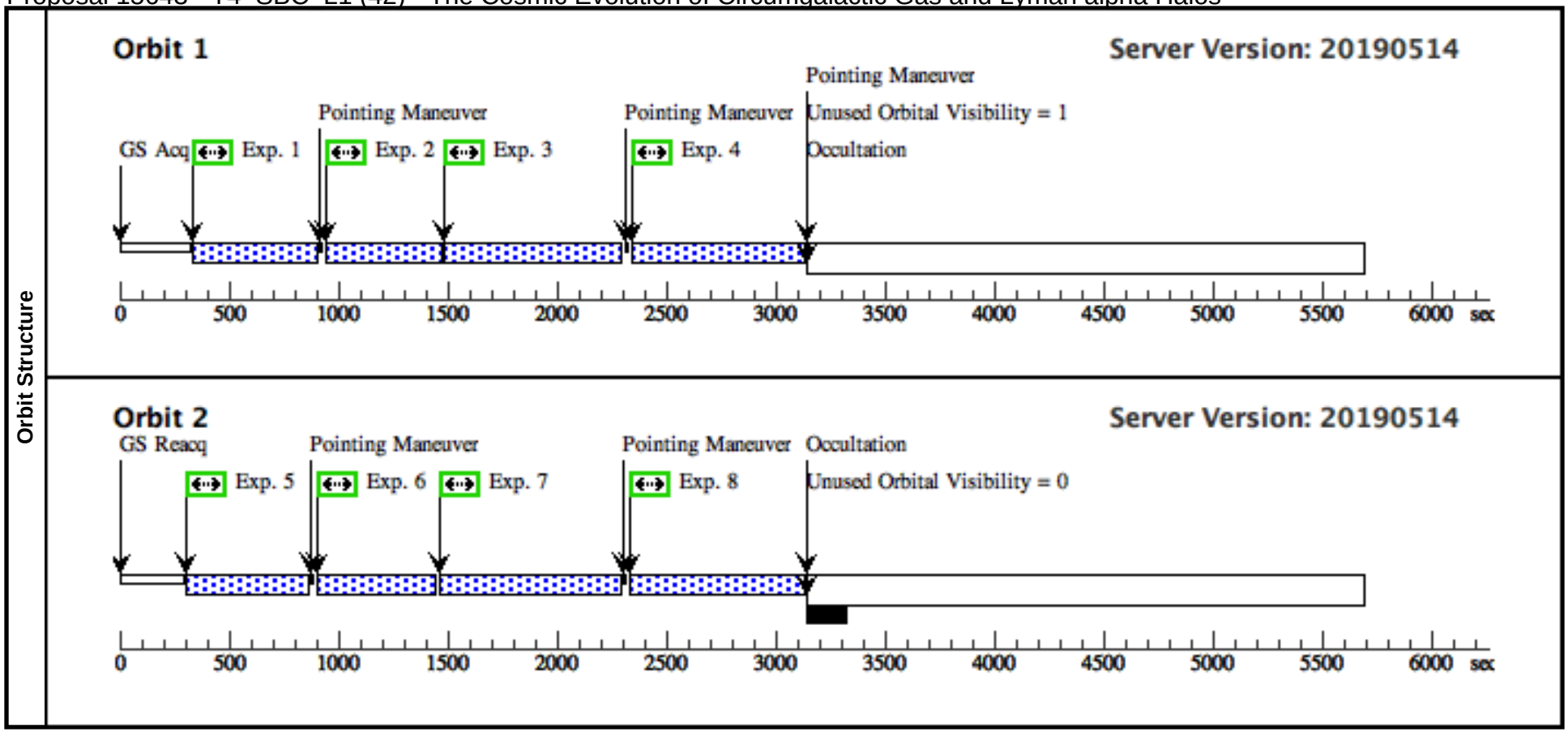
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(4)	SDSSJ000430.33-101129.6 Alt Name1: CG3711	RA: 00 04 30.3320 (1.1263833d) Dec: -10 11 29.61 (-10.19156d) Equinox: J2000		V=20.34 log(L_FUV/Lsun) = 10.236029	Reference Frame: ICRS

Comments: old coordinates: 00 04 30.3319 -10 11 29.61
Category=GALAXY
Description=[STARBURST]
Extended=YES

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(1301436)	(4) SDSSJ000430.33-101129.6	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG -3.842,3.810		505 Secs (505 Secs) *[==>]*	 ***[1]***
2	(1301436)	(4) SDSSJ000430.33-101129.6	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG -0.329,3.520		505 Secs (505 Secs) *[==>]*	 ***[1]***
3	(1301435)	(4) SDSSJ000430.33-101129.6	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 2		766 Secs (766 Secs) *[==>]*	 ***[1]***
4	(1301435)	(4) SDSSJ000430.33-101129.6	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 1		766 Secs (766 Secs) *[==>]*	 ***[1]***
5	(1301436)	(4) SDSSJ000430.33-101129.6	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 3.185,3.230		514 Secs (514 Secs) *[==>]*	 ***[2]***
6	(1301436)	(4) SDSSJ000430.33-101129.6	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG -3.502,0.300		514 Secs (514 Secs) *[==>]*	 ***[2]***
7	(1301435)	(4) SDSSJ000430.33-101129.6	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 6		778 Secs (778 Secs) *[==>]*	 ***[2]***
8	(1301435)	(4) SDSSJ000430.33-101129.6	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 5		778 Secs (778 Secs) *[==>]*	 ***[2]***


Orbit Structure
Orbit 1
Server Version: 20190514
GS Acq
Exp. 1
Pointing Maneuver
Exp. 2
Exp. 3
Pointing Maneuver
Exp. 4
Pointing Maneuver
Unused Orbital Visibility = 1
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000
sec
Orbit 2
Server Version: 20190514
GS Reacq
Exp. 5
Pointing Maneuver
Exp. 6
Exp. 7
Pointing Maneuver
Exp. 8
Occultation
Unused Orbital Visibility = 0
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000
sec

Visit

Proposal 15643, T4_SBC_L2 (43), scheduling Tue Aug 20 18:01:47 GMT 2019

Diagnostic Status: No Diagnostics

Scientific Instruments: ACS/SBC

Special Requirements: (none)

Comments: Target 4
SBC visit 3 (2 orbits)
L-shape 4 pointings

This visit should only be executed when the SBC has not been used in the last 24 hours, and the MAMA detector has been allowed to cool. This minimizes the dark current in the SBC image, and was mentioned as a Special Requirement at Phase I.

Fixed Targets

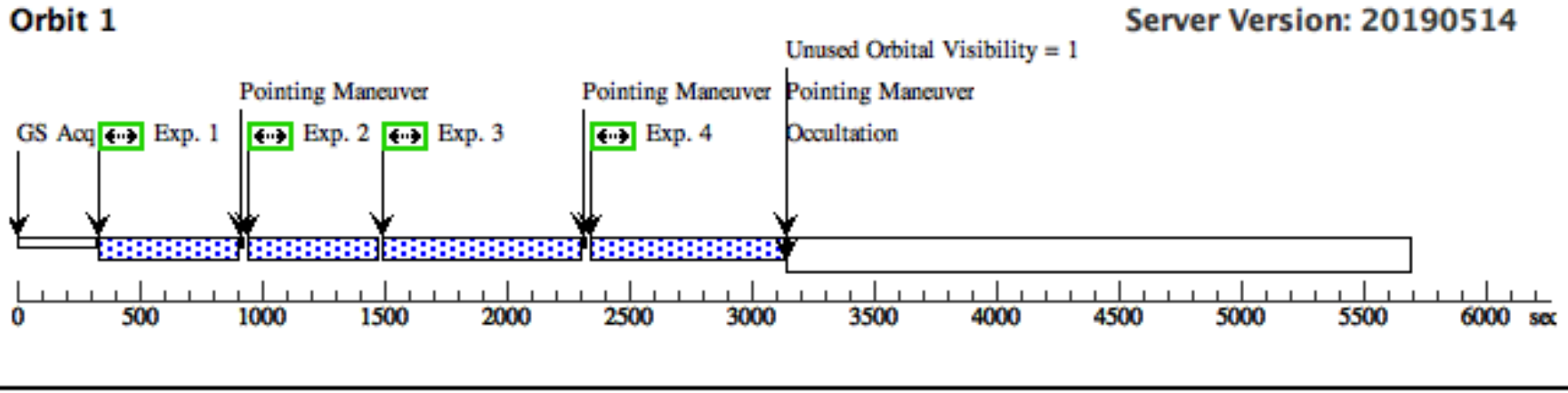
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(4)	SDSSJ000430.33-101129.6 Alt Name1: CG3711	RA: 00 04 30.3320 (1.1263833d) Dec: -10 11 29.61 (-10.19156d) Equinox: J2000		V=20.34 log(L_FUV/Lsun) = 10.236029	Reference Frame: ICRS

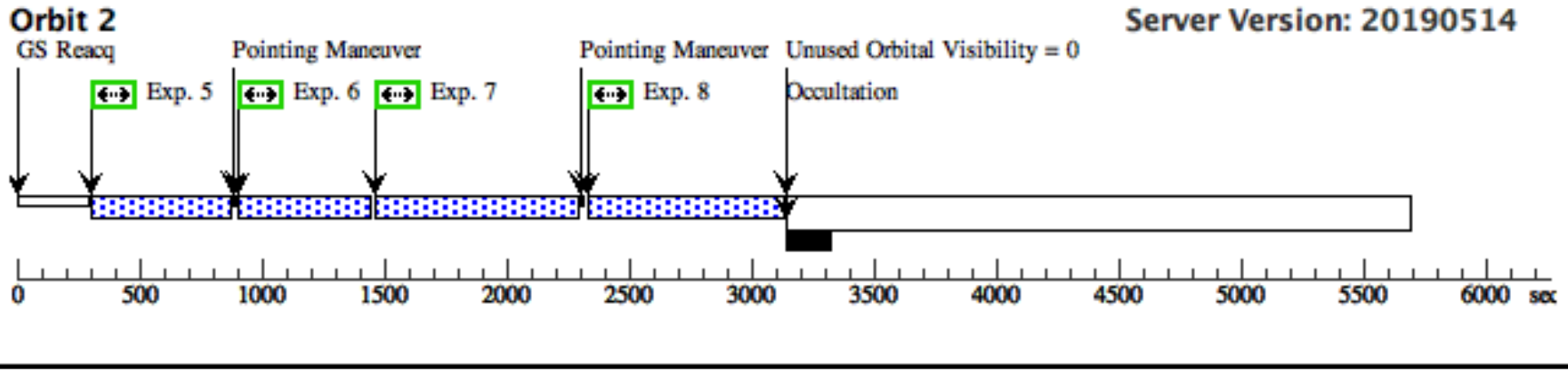
Comments: old coordinates: 00 04 30.3319 -10 11 29.61
Category=GALAXY
Description=[STARBURST]
Extended=YES

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(1301436)	(4) SDSSJ000430.33-101129.6	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 3.525,-0.280		505 Secs (505 Secs) *[==>]*	 ***[1]***
2	(1301436)	(4) SDSSJ000430.33-101129.6	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG -3.162,-3.210		505 Secs (505 Secs) *[==>]*	 ***[1]***
3	(1301435)	(4) SDSSJ000430.33-101129.6	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 2		762 Secs (762 Secs) *[==>]*	 ***[1]***
4	(1301435)	(4) SDSSJ000430.33-101129.6	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 1		762 Secs (762 Secs) *[==>]*	 ***[1]***
5	(1301436)	(4) SDSSJ000430.33-101129.6	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 0.351,-3.500		518 Secs (518 Secs) *[==>]*	 ***[2]***
6	(1301436)	(4) SDSSJ000430.33-101129.6	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 3.865,-3.790		518 Secs (518 Secs) *[==>]*	 ***[2]***
7	(1301435)	(4) SDSSJ000430.33-101129.6	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 6		778 Secs (778 Secs) *[==>]*	 ***[2]***
8	(1301435)	(4) SDSSJ000430.33-101129.6	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 5		778 Secs (778 Secs) *[==>]*	 ***[2]***

Orbit Structure





Visit

Proposal 15643, T4_ACS (46), scheduling Tue Aug 20 18:01:47 GMT 2019

Diagnostic Status: Warning

Scientific Instruments: ACS/WFC

Special Requirements: (none)

Diagnostics

(Exposure 4 (T4_ACS (46))) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp filters as central wavelengths & transmission efficiencies vary within the apertures.

Fixed Targets

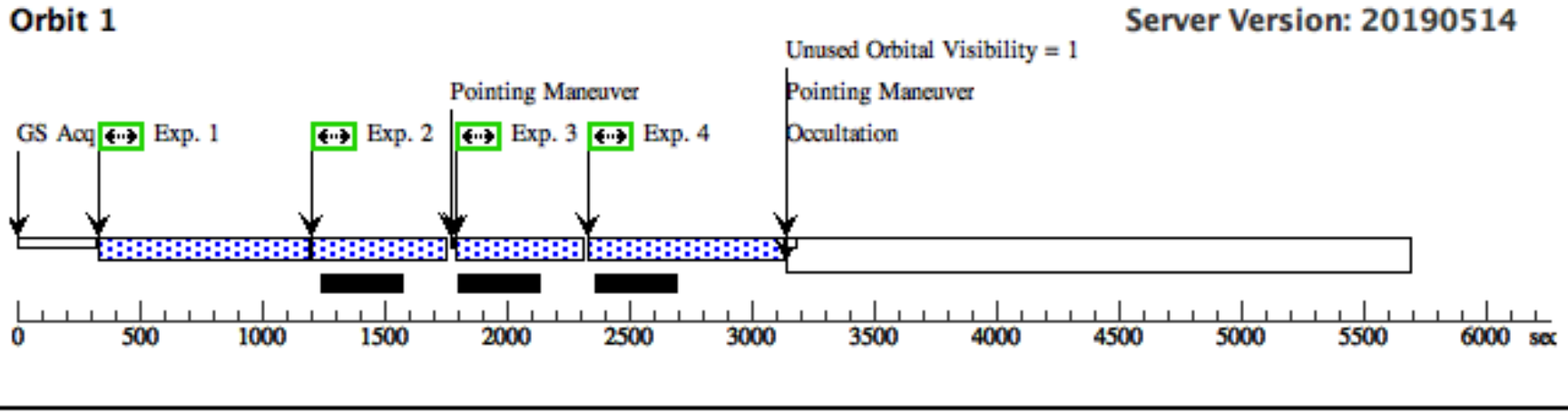
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(4)	SDSSJ000430.33-101129.6 Alt Name1: CG3711	RA: 00 04 30.3320 (1.1263833d) Dec: -10 11 29.61 (-10.19156d) Equinox: J2000		V=20.34 log(L_FUV/Lsun) = 10.236029	Reference Frame: ICRS

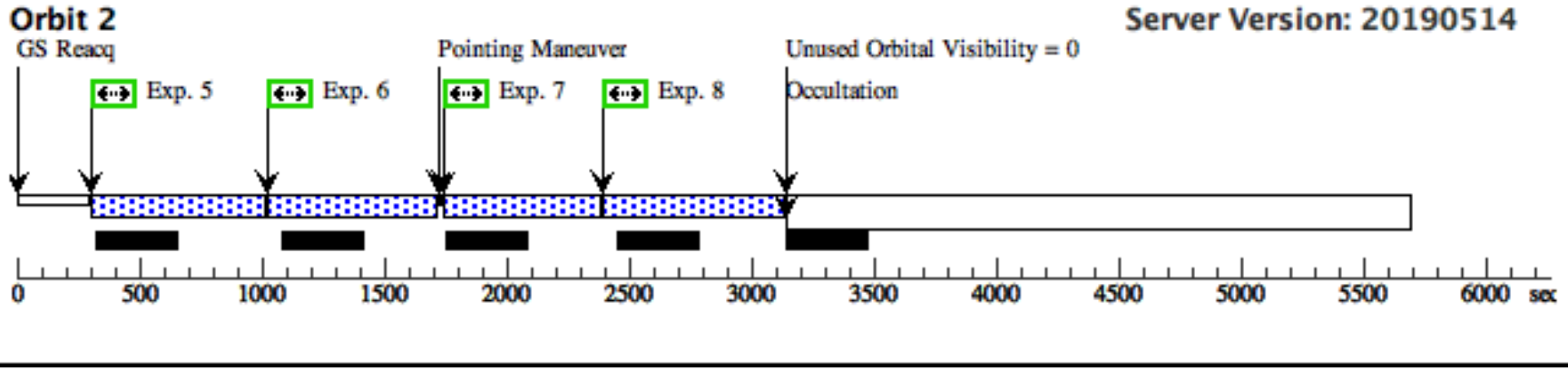
Comments: old coordinates: 00 04 30.3319 -10 11 29.61
Category=GALAXY
Description=[STARBURST]
Extended=YES

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(4) SDSSJ000430.33-101129.6	ACS/WFC, ACCUM, WFC2-ORAMP	FR782N 8129 A	FLASH=9			650 Secs (650 Secs) *[==>]*	 ***[1]***
2		(4) SDSSJ000430.33-101129.6	ACS/WFC, ACCUM, WFC2-ORAMP	F814W				400 Secs (400 Secs) *[==>]*	 ***[1]***
3		(4) SDSSJ000430.33-101129.6	ACS/WFC, ACCUM, WFC2-ORAMP	F814W		POS TARG 0.725,0.365		400 Secs (400 Secs) *[==>]*	 ***[1]***
4		(4) SDSSJ000430.33-101129.6	ACS/WFC, ACCUM, WFC2-ORAMP	FR782N 8129 A	FLASH=9	POS TARG 0.725,0.365		650 Secs (650 Secs) *[==>]*	 ***[1]***
5		(4) SDSSJ000430.33-101129.6	ACS/WFC, ACCUM, WFC2	F435W				566 Secs (566 Secs) *[==>]*	 ***[2]***
6		(4) SDSSJ000430.33-101129.6	ACS/WFC, ACCUM, WFC2	F555W				515 Secs (515 Secs) *[==>]*	 ***[2]***
7		(4) SDSSJ000430.33-101129.6	ACS/WFC, ACCUM, WFC2	F555W		POS TARG 0.725,0.365		515 Secs (515 Secs) *[==>]*	 ***[2]***
8		(4) SDSSJ000430.33-101129.6	ACS/WFC, ACCUM, WFC2	F435W		SAME POS AS 7		566 Secs (566 Secs) *[==>]*	 ***[2]***

Orbit Structure





Visit

Proposal 15643, T4_COS (49), implementation Tue Aug 20 18:01:47 GMT 2019

Diagnostic Status: Warning

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: (none)

Diagnostics

(FUV Spec 1 (49.002)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details.

Fixed Targets

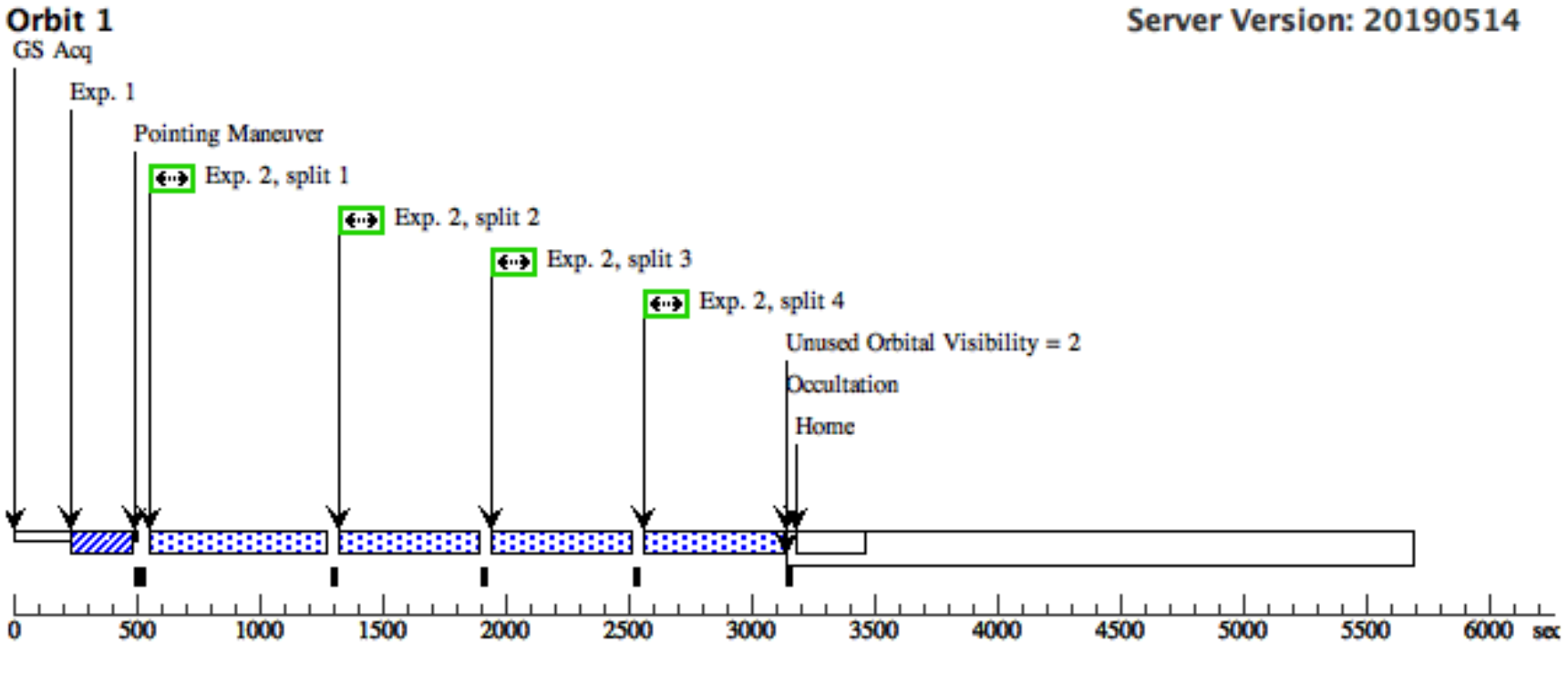
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(4)	SDSSJ000430.33-101129.6 Alt Name1: CG3711	RA: 00 04 30.3320 (1.1263833d) Dec: -10 11 29.61 (-10.19156d) Equinox: J2000		V=20.34 log(L_FUV/Lsun) = 10.236029	Reference Frame: ICRS

Comments: old coordinates: 00 04 30.3319 -10 11 29.61
Category=GALAXY
Description=[STARBURST]
Extended=YES

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Acquisition (1301138)	(4) SDSSJ000430.33-101129.6	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				15 Secs (15 Secs)	
								[==>]	***[1]***
2	FUV Spec 1 (1301410)	(4) SDSSJ000430.33-101129.6	COS/FUV, TIME-TAG, PSA	G160M 1577 A	FLASH=YES; FP-POS=ALL; BUFFER-TIME=25000			514 Secs (2056 Secs)	
								[==>(Split 1)] *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	***[1]***

Orbit Structure



Visit

Proposal 15643, T5_SBC_Centre (51), scheduling Tue Aug 20 18:01:47 GMT 2019

Diagnostic Status: No Diagnostics

Scientific Instruments: ACS/SBC

Special Requirements: (none)

Comments: Target 5
SBC visit 1 (1 orbit)
1 pointing in the center

This visit should only be executed when the SBC has not been used in the last 24 hours, and the MAMA detector has been allowed to cool. This minimizes the dark current in the SBC image, and was mentioned as a Special Requirement at Phase I.

Fixed Targets

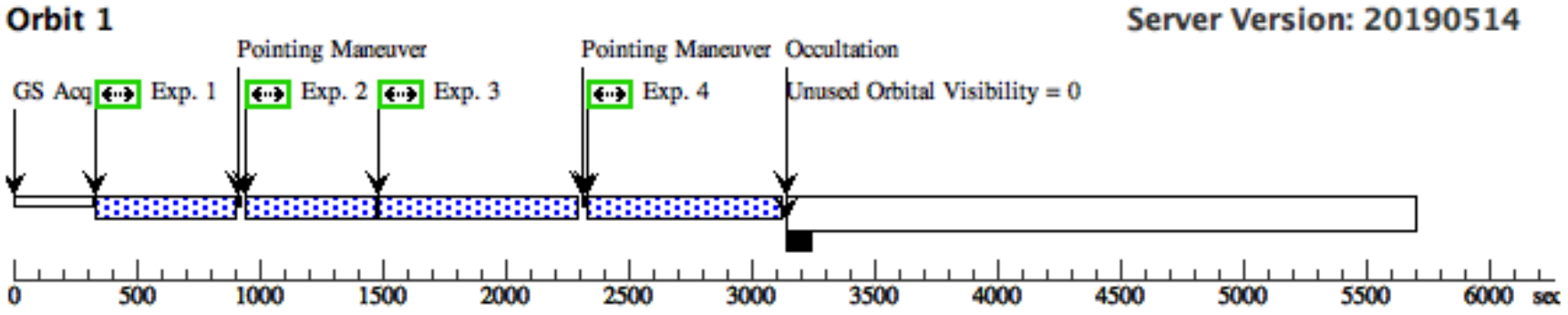
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(5)	SDSSJ235926.69+010838.8 Alt Name1: CG4873	RA: 23 59 26.6976 (359.8612400d) Dec: +01 08 38.76 (1.14410d) Equinox: J2000		V=19.97 log(L_FUV/Lsun) = 10.617557	Reference Frame: ICRS

Comments:
Category=GALAXY
Description=[STARBURST]
Extended=YES

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(1301438)	(5) SDSSJ235926.69+010838.8	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG -0.5,-0.5		505 Secs (505 Secs)	
								[==>]	***[1]***
2	(1301438)	(5) SDSSJ235926.69+010838.8	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 0.5,0.5		505 Secs (505 Secs)	
								[==>]	***[1]***
3	(1301437)	(5) SDSSJ235926.69+010838.8	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 2		767 Secs (767 Secs)	
								[==>]	***[1]***
4	(1301437)	(5) SDSSJ235926.69+010838.8	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 1		767 Secs (767 Secs)	
								[==>]	***[1]***

Orbit Structure



Visit

Proposal 15643, T5_SBC_L1 (52), scheduling Tue Aug 20 18:01:47 GMT 2019

Diagnostic Status: No Diagnostics

Scientific Instruments: ACS/SBC

Special Requirements: (none)

Comments: Target 5
SBC visit 2 (2 orbits)
L-shape 4 pointings

This visit should only be executed when the SBC has not been used in the last 24 hours, and the MAMA detector has been allowed to cool. This minimizes the dark current in the SBC image, and was mentioned as a Special Requirement at Phase I.

Fixed Targets

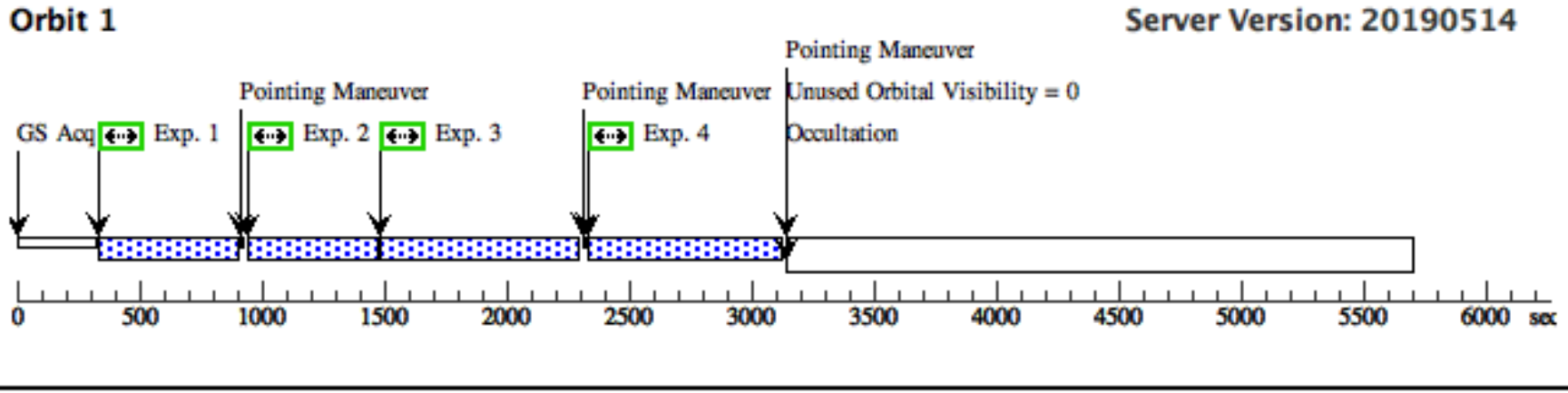
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(5)	SDSSJ235926.69+010838.8 Alt Name1: CG4873	RA: 23 59 26.6976 (359.8612400d) Dec: +01 08 38.76 (1.14410d) Equinox: J2000		V=19.97 log(L_FUV/Lsun) = 10.617557	Reference Frame: ICRS

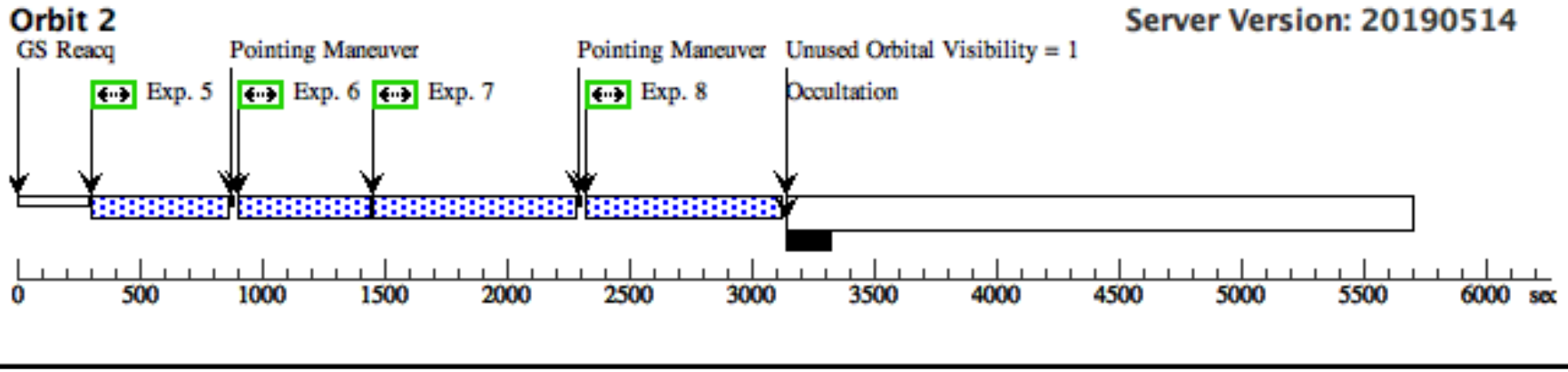
Comments:
Category=GALAXY
Description=[STARBURST]
Extended=YES

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(1301438)	(5) SDSSJ235926.69+010838.8	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG -3.842,3.810		505 Secs (505 Secs)	
								[==>]	***[1]***
2	(1301438)	(5) SDSSJ235926.69+010838.8	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG -0.329,3.520		505 Secs (505 Secs)	
								[==>]	***[1]***
3	(1301437)	(5) SDSSJ235926.69+010838.8	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 2		763 Secs (763 Secs)	
								[==>]	***[1]***
4	(1301437)	(5) SDSSJ235926.69+010838.8	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 1		763 Secs (763 Secs)	
								[==>]	***[1]***
5	(1301438)	(5) SDSSJ235926.69+010838.8	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 3.185,3.230		510 Secs (510 Secs)	
								[==>]	***[2]***
6	(1301438)	(5) SDSSJ235926.69+010838.8	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG -3.502,0.300		510 Secs (510 Secs)	
								[==>]	***[2]***
7	(1301437)	(5) SDSSJ235926.69+010838.8	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 6		778 Secs (778 Secs)	
								[==>]	***[2]***
8	(1301437)	(5) SDSSJ235926.69+010838.8	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 5		778 Secs (778 Secs)	
								[==>]	***[2]***

Orbit Structure





Visit

Proposal 15643, T5_SBC_L2 (53), scheduling Tue Aug 20 18:01:47 GMT 2019

Diagnostic Status: No Diagnostics

Scientific Instruments: ACS/SBC

Special Requirements: (none)

Comments: Target 5
SBC visit 3 (2 orbits)
L-shape 4 pointings

This visit should only be executed when the SBC has not been used in the last 24 hours, and the MAMA detector has been allowed to cool. This minimizes the dark current in the SBC image, and was mentioned as a Special Requirement at Phase I.

Fixed Targets

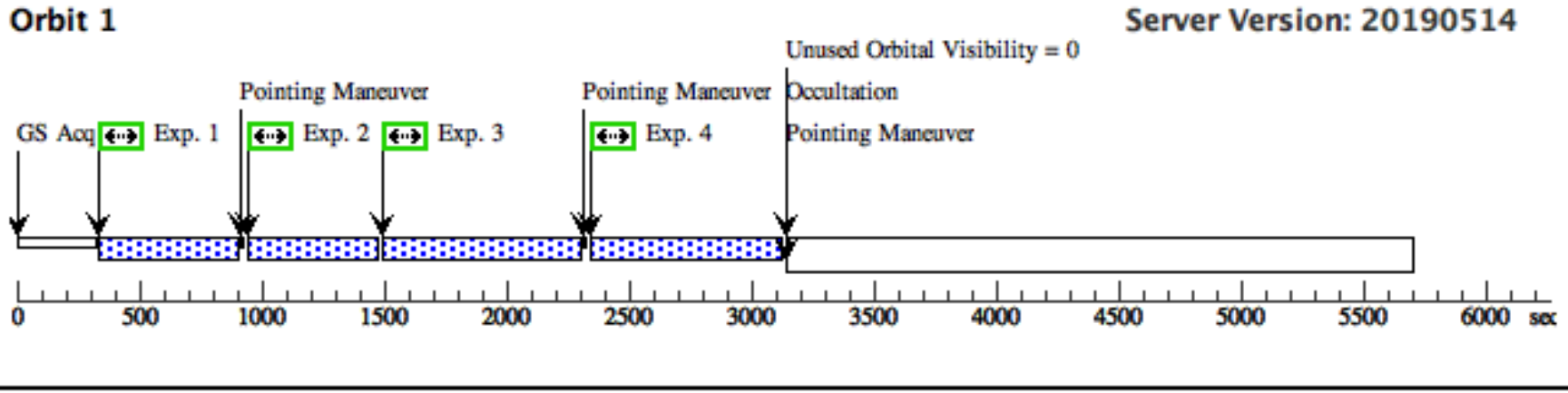
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(5)	SDSSJ235926.69+010838.8 Alt Name1: CG4873	RA: 23 59 26.6976 (359.8612400d) Dec: +01 08 38.76 (1.14410d) Equinox: J2000		V=19.97 log(L_FUV/Lsun) = 10.617557	Reference Frame: ICRS

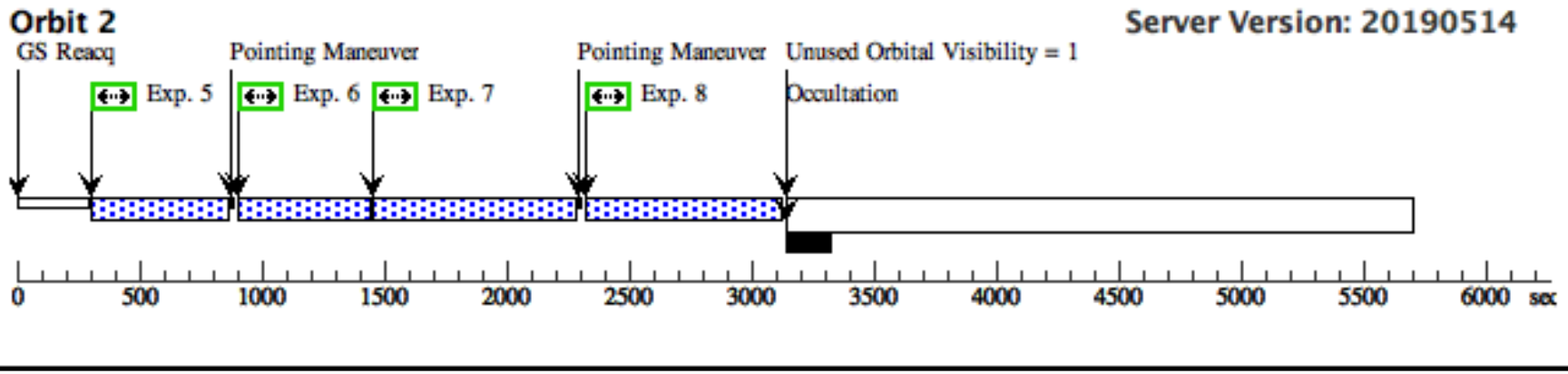
Comments:
Category=GALAXY
Description=[STARBURST]
Extended=YES

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(1301438)	(5) SDSSJ235926.69+010838.8	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 3.525,-0.280		505 Secs (505 Secs) *[==>]*	 ***[1]***
2	(1301438)	(5) SDSSJ235926.69+010838.8	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG -3.162,-3.210		505 Secs (505 Secs) *[==>]*	 ***[1]***
3	(1301437)	(5) SDSSJ235926.69+010838.8	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 2		759 Secs (759 Secs) *[==>]*	 ***[1]***
4	(1301437)	(5) SDSSJ235926.69+010838.8	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 1		759 Secs (759 Secs) *[==>]*	 ***[1]***
5	(1301438)	(5) SDSSJ235926.69+010838.8	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 0.351,-3.500		514 Secs (514 Secs) *[==>]*	 ***[2]***
6	(1301438)	(5) SDSSJ235926.69+010838.8	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 3.865,-3.790		514 Secs (514 Secs) *[==>]*	 ***[2]***
7	(1301437)	(5) SDSSJ235926.69+010838.8	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 6		778 Secs (778 Secs) *[==>]*	 ***[2]***
8	(1301437)	(5) SDSSJ235926.69+010838.8	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 5		778 Secs (778 Secs) *[==>]*	 ***[2]***

Orbit Structure





Visit

Proposal 15643, T5_ACS (56), scheduling Tue Aug 20 18:01:47 GMT 2019

Diagnostic Status: Warning

Scientific Instruments: ACS/WFC

Special Requirements: (none)

Diagnostics

(Exposure 4 (T5_ACS (56))) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp filters as central wavelengths & transmission efficiencies vary within the apertures.

Fixed Targets

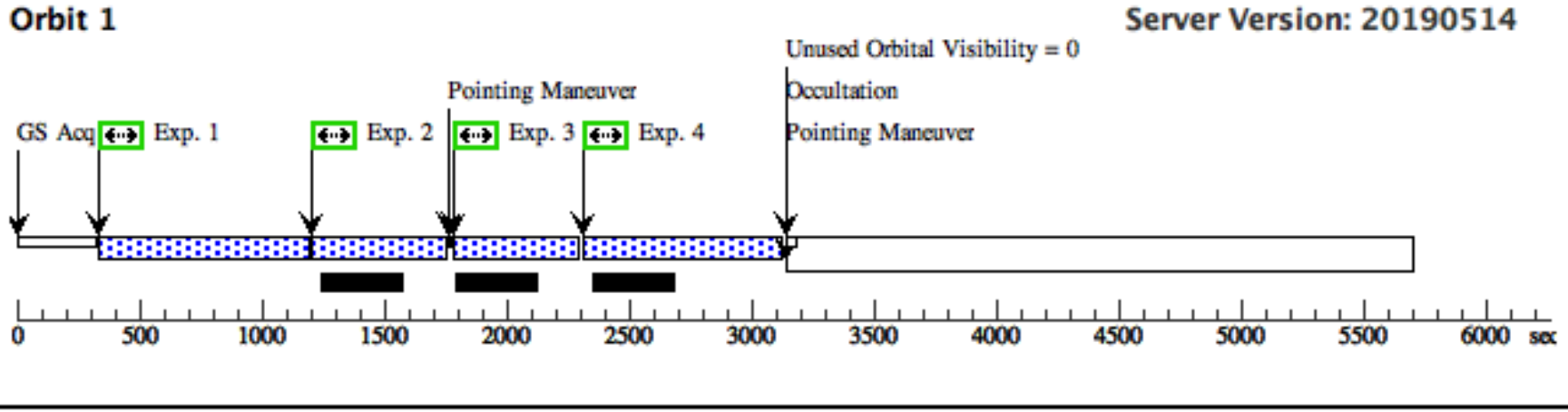
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(5)	SDSSJ235926.69+010838.8 Alt Name1: CG4873	RA: 23 59 26.6976 (359.8612400d) Dec: +01 08 38.76 (1.14410d) Equinox: J2000		V=19.97 log(L_FUV/Lsun) = 10.617557	Reference Frame: ICRS

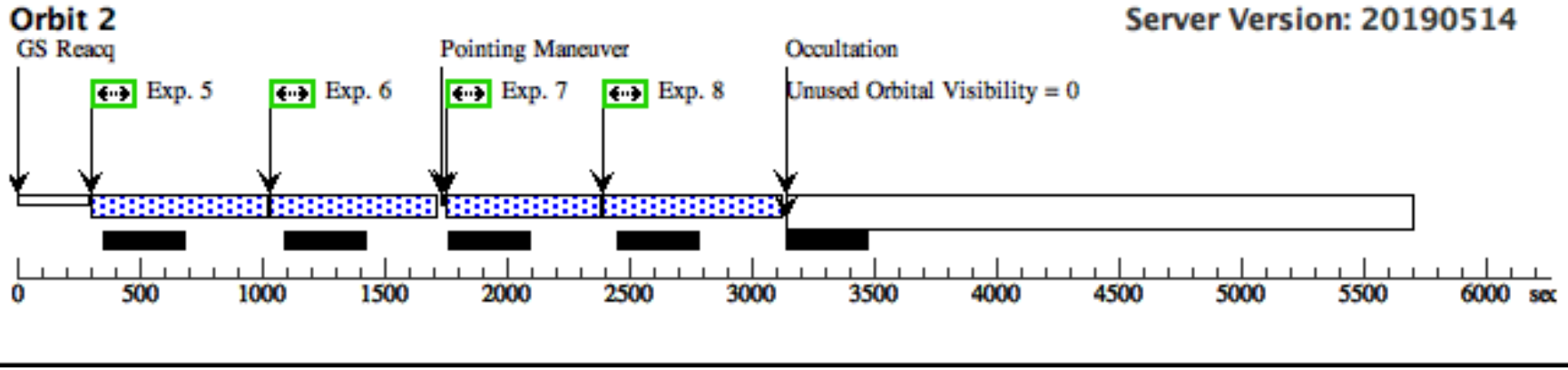
Comments:
Category=GALAXY
Description=[STARBURST]
Extended=YES

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(5) SDSSJ235926.69+010838.8	ACS/WFC, ACCUM, WFC1-IRAMP	FR853N 8274 A	FLASH=9			650 Secs (650 Secs) *[==>]*	 ***[1]***
2		(5) SDSSJ235926.69+010838.8	ACS/WFC, ACCUM, WFC1-IRAMP	F814W				389 Secs (389 Secs) *[==>]*	 ***[1]***
3		(5) SDSSJ235926.69+010838.8	ACS/WFC, ACCUM, WFC1-IRAMP	F814W		POS TARG 0.725,0.365		389 Secs (389 Secs) *[==>]*	 ***[1]***
4		(5) SDSSJ235926.69+010838.8	ACS/WFC, ACCUM, WFC1-IRAMP	FR853N 8274 A	FLASH=9	POS TARG 0.725,0.365		650 Secs (650 Secs) *[==>]*	 ***[1]***
5		(5) SDSSJ235926.69+010838.8	ACS/WFC, ACCUM, WFC1	F435W				558 Secs (558 Secs) *[==>]*	 ***[2]***
6		(5) SDSSJ235926.69+010838.8	ACS/WFC, ACCUM, WFC1	F555W				508 Secs (508 Secs) *[==>]*	 ***[2]***
7		(5) SDSSJ235926.69+010838.8	ACS/WFC, ACCUM, WFC1	F555W		POS TARG 0.725,0.365		508 Secs (508 Secs) *[==>]*	 ***[2]***
8		(5) SDSSJ235926.69+010838.8	ACS/WFC, ACCUM, WFC1	F435W		SAME POS AS 7		558 Secs (558 Secs) *[==>]*	 ***[2]***

Orbit Structure





Visit

Proposal 15643, T5_COS (59), implementation Tue Aug 20 18:01:47 GMT 2019

Diagnostic Status: Warning

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: (none)

Diagnostics

(FUV Spec 1 (59.002)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details.

Fixed Targets

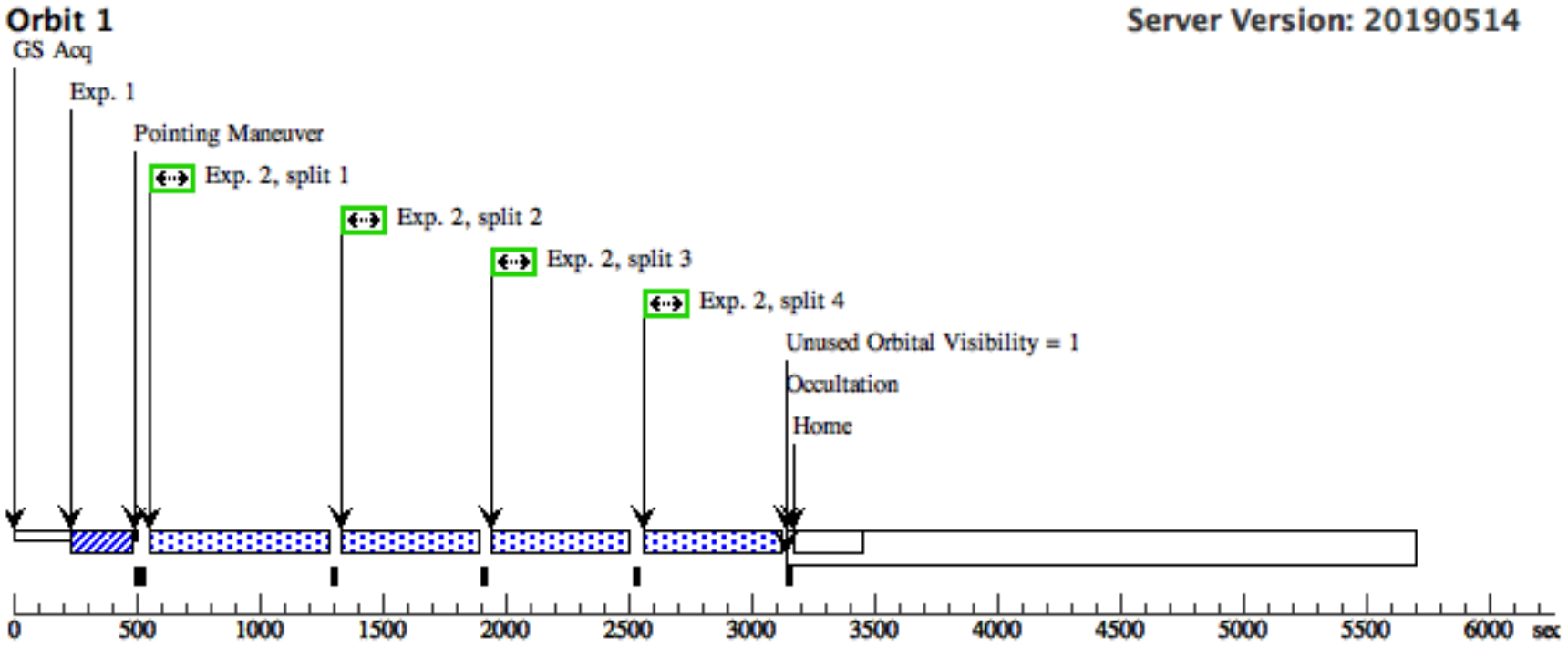
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(5)	SDSSJ235926.69+010838.8 Alt Name1: CG4873	RA: 23 59 26.6976 (359.8612400d) Dec: +01 08 38.76 (1.14410d) Equinox: J2000		V=19.97 log(L_FUV/Lsun) = 10.617557	Reference Frame: ICRS

Comments:
Category=GALAXY
Description=[STARBURST]
Extended=YES

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Acquisition (1301139)	(5) SDSSJ235926.69+010838.8	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				15 Secs (15 Secs)	
								[==>]	***[1]***
2	FUV Spec 1 (1301411)	(5) SDSSJ235926.69+010838.8	COS/FUV, TIME-TAG, PSA	G160M 1600 A	FLASH=YES; FP-POS=ALL; BUFFER-TIME=24000			511 Secs (2044 Secs)	
								[==>(Split 1)] *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	***[1]***

Orbit Structure



Visit

Proposal 15643, T6_SBC_Centre (61), scheduling Tue Aug 20 18:01:47 GMT 2019

Diagnostic Status: No Diagnostics

Scientific Instruments: ACS/SBC

Special Requirements: (none)

Comments: Target 6
SBC visit 1 (1 orbit)
1 pointing in the center

This visit should only be executed when the SBC has not been used in the last 24 hours, and the MAMA detector has been allowed to cool. This minimizes the dark current in the SBC image, and was mentioned as a Special Requirement at Phase I.

Fixed Targets

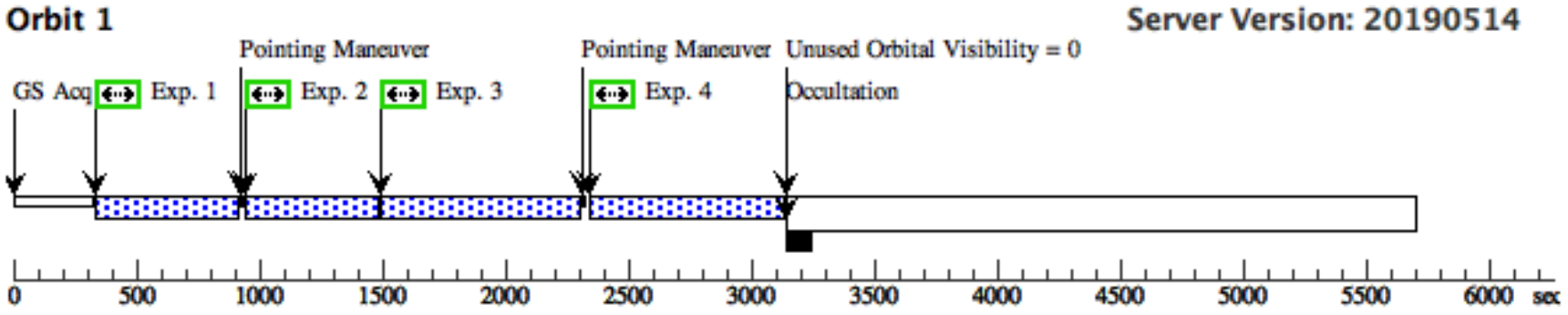
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(6)	SDSSJ015655.76-010116.5 Alt Name1: CG3782	RA: 01 56 55.7690 (29.2323708d) Dec: -01 01 16.71 (-1.02131d) Equinox: J2000		V=19.80 log(L_FUV/Lsun) = 10.725078	Reference Frame: ICRS

Comments: original coordinates: 01 56 55.7664 -01 01 16.64
Category=GALAXY
Description=[STARBURST]
Extended=YES

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(1301439)	(6) SDSSJ015655.76-010116.5	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG -0.5,-0.5		510 Secs (510 Secs) *[==>]*	 ***[1]***
2	(1301439)	(6) SDSSJ015655.76-010116.5	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 0.5,0.5		510 Secs (510 Secs) *[==>]*	 ***[1]***
3	(1301440)	(6) SDSSJ015655.76-010116.5	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 2		762 Secs (762 Secs) *[==>]*	 ***[1]***
4	(1301440)	(6) SDSSJ015655.76-010116.5	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 1		762 Secs (762 Secs) *[==>]*	 ***[1]***

Orbit Structure



Visit

Proposal 15643, T6_SBC_L1 (62), scheduling Tue Aug 20 18:01:47 GMT 2019

Diagnostic Status: No Diagnostics

Scientific Instruments: ACS/SBC

Special Requirements: (none)

Comments: Target 6
SBC visit 2 (2 orbits)
L-shape 4 pointings

This visit should only be executed when the SBC has not been used in the last 24 hours, and the MAMA detector has been allowed to cool. This minimizes the dark current in the SBC image, and was mentioned as a Special Requirement at Phase I.

Fixed Targets

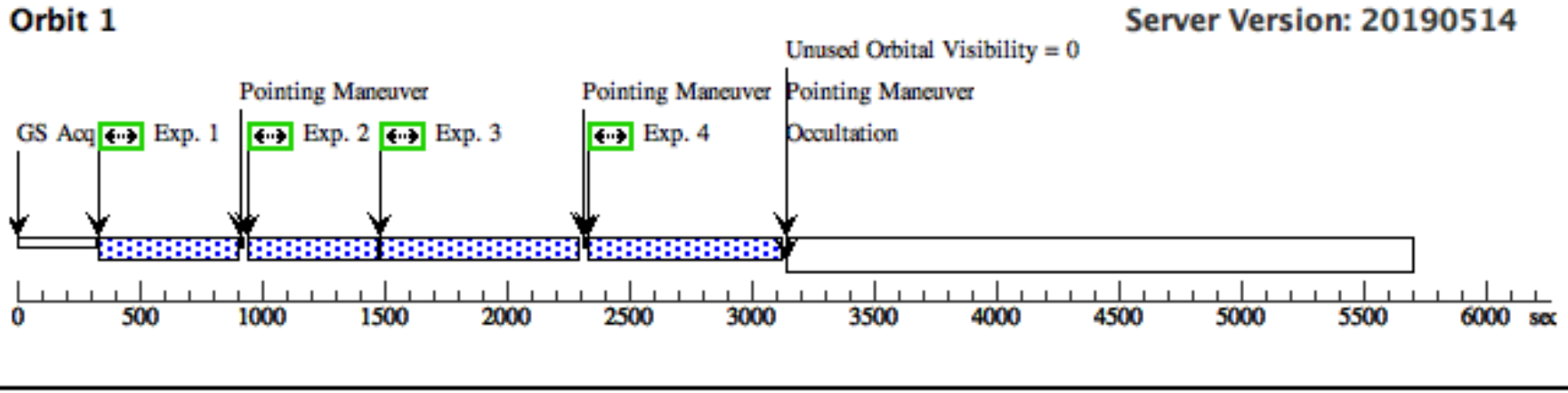
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(6)	SDSSJ015655.76-010116.5 Alt Name1: CG3782	RA: 01 56 55.7690 (29.2323708d) Dec: -01 01 16.71 (-1.02131d) Equinox: J2000		V=19.80 log(L_FUV/Lsun) = 10.725078	Reference Frame: ICRS

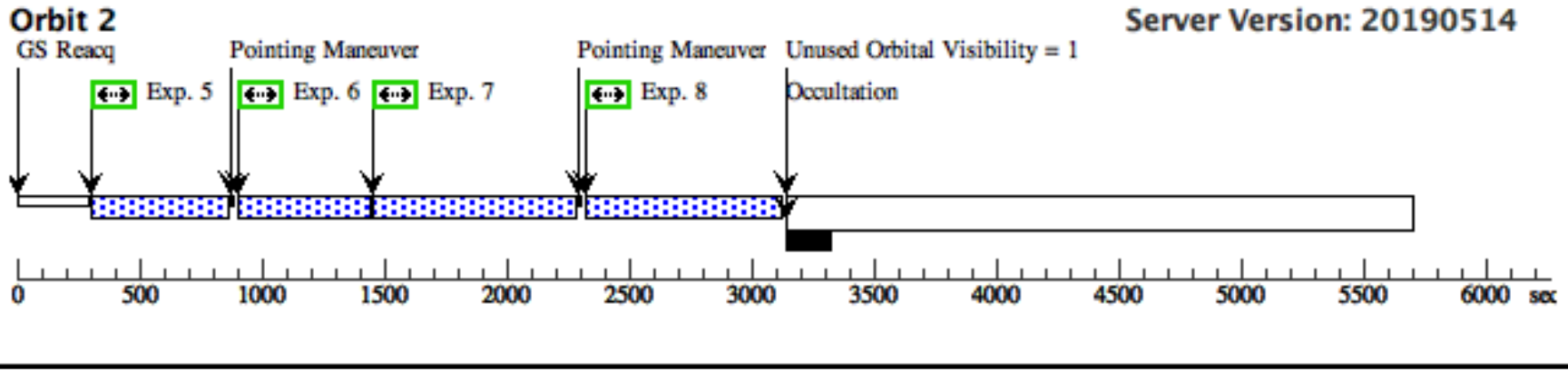
Comments: original coordinates: 01 56 55.7664 -01 01 16.64
Category=GALAXY
Description=[STARBURST]
Extended=YES

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(1301439)	(6) SDSSJ015655.76-010116.5	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG -3.842,3.810		505 Secs (505 Secs) *[==>]*	 ***[1]***
2	(1301439)	(6) SDSSJ015655.76-010116.5	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG -0.329,3.520		505 Secs (505 Secs) *[==>]*	 ***[1]***
3	(1301440)	(6) SDSSJ015655.76-010116.5	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 2		763 Secs (763 Secs) *[==>]*	 ***[1]***
4	(1301440)	(6) SDSSJ015655.76-010116.5	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 1		763 Secs (763 Secs) *[==>]*	 ***[1]***
5	(1301439)	(6) SDSSJ015655.76-010116.5	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 3.185,3.230		510 Secs (510 Secs) *[==>]*	 ***[2]***
6	(1301439)	(6) SDSSJ015655.76-010116.5	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG -3.502,0.300		510 Secs (510 Secs) *[==>]*	 ***[2]***
7	(1301440)	(6) SDSSJ015655.76-010116.5	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 6		778 Secs (778 Secs) *[==>]*	 ***[2]***
8	(1301440)	(6) SDSSJ015655.76-010116.5	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 5		778 Secs (778 Secs) *[==>]*	 ***[2]***

Orbit Structure





Visit

Proposal 15643, T6_SBC_L2 (63), scheduling Tue Aug 20 18:01:47 GMT 2019

Diagnostic Status: No Diagnostics

Scientific Instruments: ACS/SBC

Special Requirements: (none)

Comments: Target 6
SBC visit 3 (2 orbits)
L-shape 4 pointings

This visit should only be executed when the SBC has not been used in the last 24 hours, and the MAMA detector has been allowed to cool. This minimizes the dark current in the SBC image, and was mentioned as a Special Requirement at Phase I.

Fixed Targets

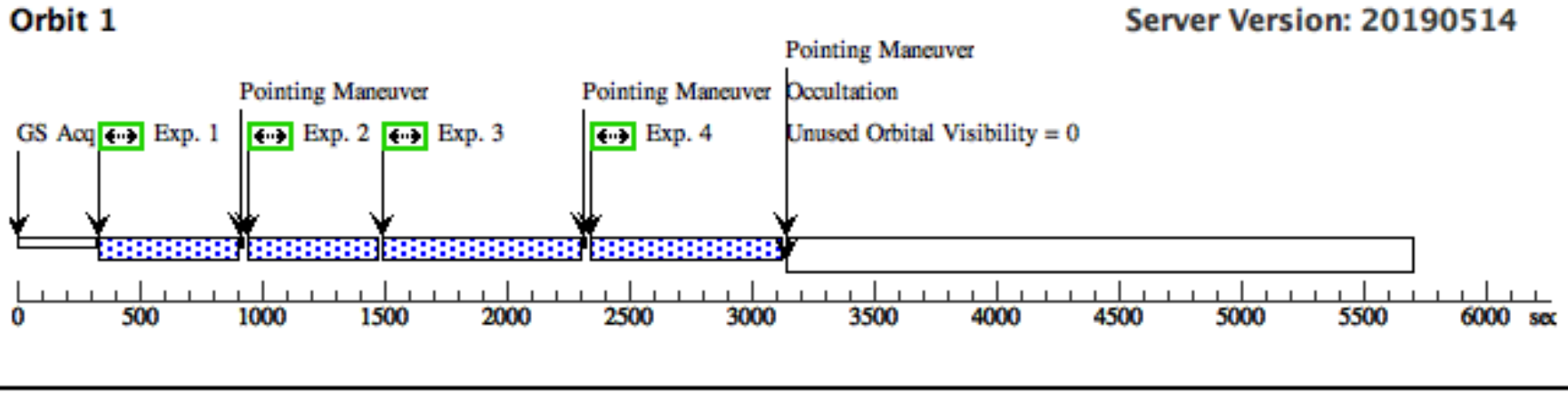
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(6)	SDSSJ015655.76-010116.5 Alt Name1: CG3782	RA: 01 56 55.7690 (29.2323708d) Dec: -01 01 16.71 (-1.02131d) Equinox: J2000		V=19.80 log(L_FUV/Lsun) = 10.725078	Reference Frame: ICRS

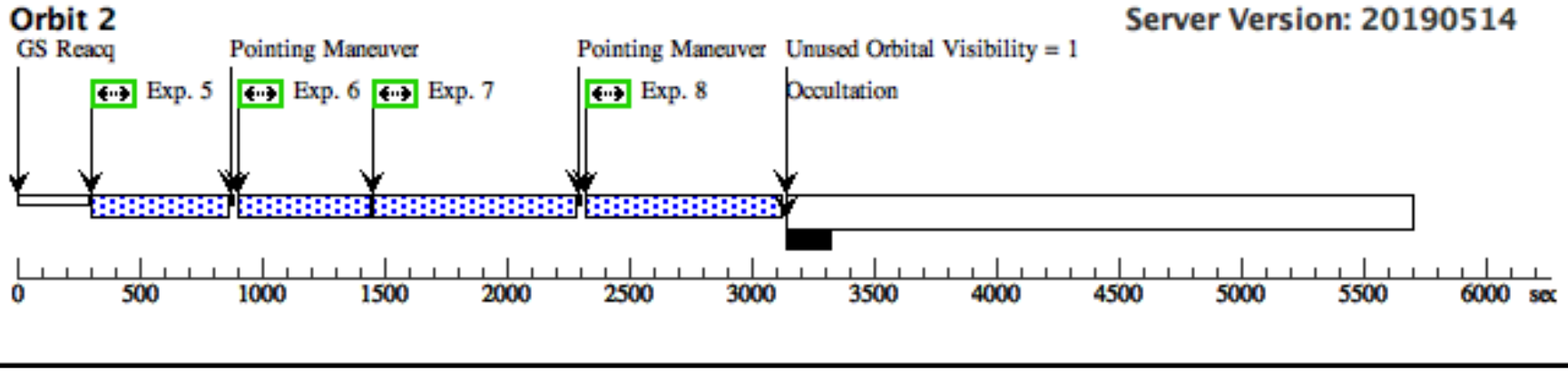
Comments: original coordinates: 01 56 55.7664 -01 01 16.64
Category=GALAXY
Description=[STARBURST]
Extended=YES

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(1301439)	(6) SDSSJ015655.76-010116.5	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 3.525,-0.280		505 Secs (505 Secs) *[==>]*	 ***[1]***
2	(1301439)	(6) SDSSJ015655.76-010116.5	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG -3.162,-3.210		505 Secs (505 Secs) *[==>]*	 ***[1]***
3	(1301440)	(6) SDSSJ015655.76-010116.5	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 2		759 Secs (759 Secs) *[==>]*	 ***[1]***
4	(1301440)	(6) SDSSJ015655.76-010116.5	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 1		759 Secs (759 Secs) *[==>]*	 ***[1]***
5	(1301439)	(6) SDSSJ015655.76-010116.5	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 0.351,-3.500		514 Secs (514 Secs) *[==>]*	 ***[2]***
6	(1301439)	(6) SDSSJ015655.76-010116.5	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 3.865,-3.790		514 Secs (514 Secs) *[==>]*	 ***[2]***
7	(1301440)	(6) SDSSJ015655.76-010116.5	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 6		778 Secs (778 Secs) *[==>]*	 ***[2]***
8	(1301440)	(6) SDSSJ015655.76-010116.5	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 5		778 Secs (778 Secs) *[==>]*	 ***[2]***

Orbit Structure





Visit

Proposal 15643, T6_ACS (66), completed Tue Aug 20 18:01:47 GMT 2019

Diagnostic Status: Warning

Scientific Instruments: ACS/WFC

Special Requirements: (none)

Diagnostics

(Exposure 4 (T6_ACS (66))) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp filters as central wavelengths & transmission efficiencies vary within the apertures.

Fixed Targets

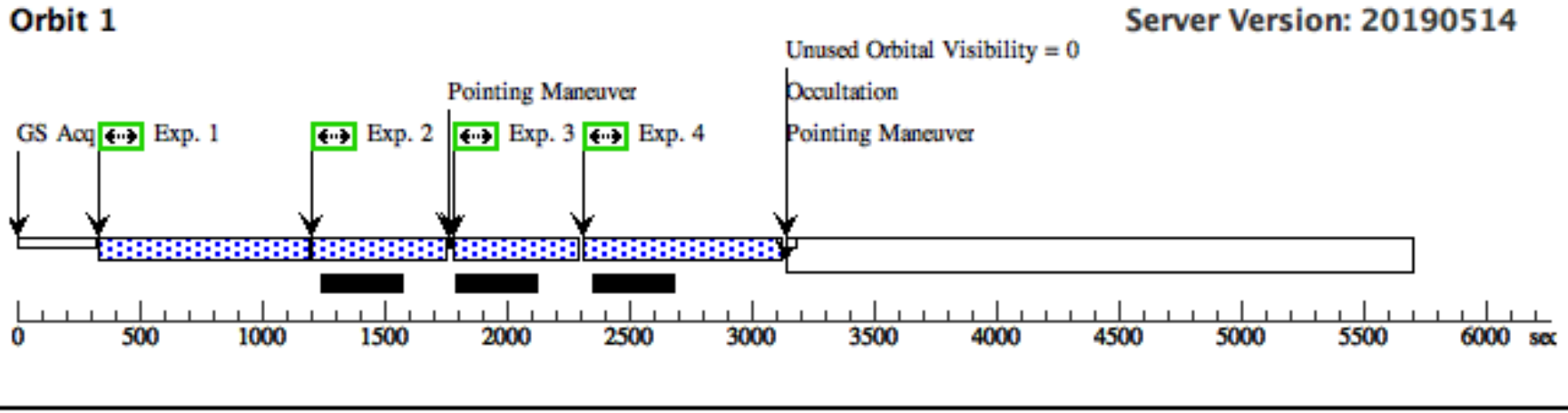
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(6)	SDSSJ015655.76-010116.5 Alt Name1: CG3782	RA: 01 56 55.7690 (29.2323708d) Dec: -01 01 16.71 (-1.02131d) Equinox: J2000		V=19.80 log(L_FUV/Lsun) = 10.725078	Reference Frame: ICRS

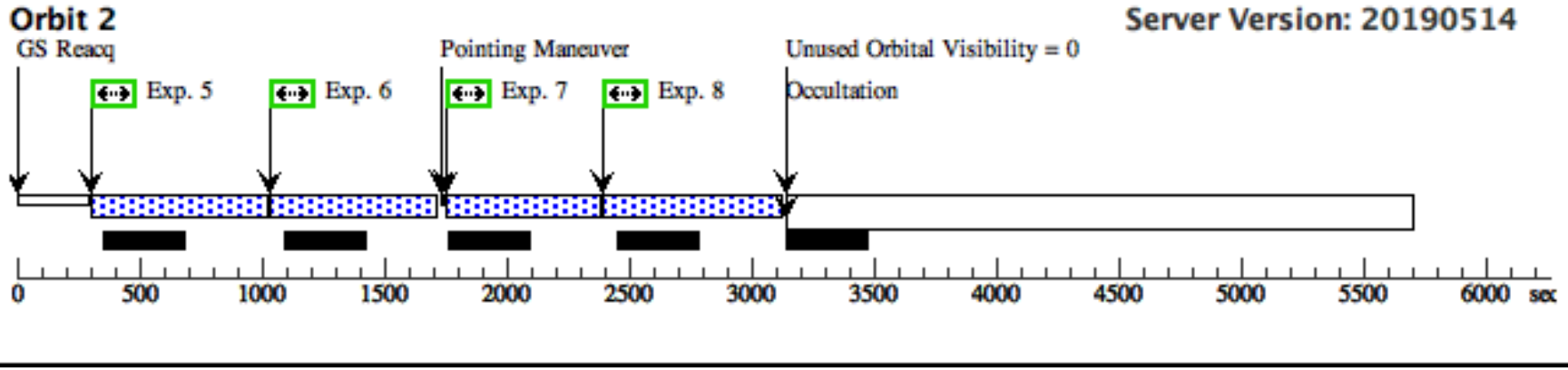
Comments: original coordinates: 01 56 55.7664 -01 01 16.64
Category=GALAXY
Description=[STARBURST]
Extended=YES

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(6) SDSSJ015655.76-010116.5	ACS/WFC, ACCUM, WFC1-IRAMP	FR853N 8333 A	FLASH=10			650 Secs (650 Secs) *[==>]*	*[1]*
2		(6) SDSSJ015655.76-010116.5	ACS/WFC, ACCUM, WFC1-IRAMP	F814W				389 Secs (389 Secs) *[==>]*	*[1]*
3		(6) SDSSJ015655.76-010116.5	ACS/WFC, ACCUM, WFC1-IRAMP	F814W		POS TARG 0.725,0.365		389 Secs (389 Secs) *[==>]*	*[1]*
4		(6) SDSSJ015655.76-010116.5	ACS/WFC, ACCUM, WFC1-IRAMP	FR853N 8333 A	FLASH=10	POS TARG 0.725,0.365		650 Secs (650 Secs) *[==>]*	*[1]*
5		(6) SDSSJ015655.76-010116.5	ACS/WFC, ACCUM, WFC1	F435W				558 Secs (558 Secs) *[==>]*	*[2]*
6		(6) SDSSJ015655.76-010116.5	ACS/WFC, ACCUM, WFC1	F555W				508 Secs (508 Secs) *[==>]*	*[2]*
7		(6) SDSSJ015655.76-010116.5	ACS/WFC, ACCUM, WFC1	F555W		POS TARG 0.725,0.365		508 Secs (508 Secs) *[==>]*	*[2]*
8		(6) SDSSJ015655.76-010116.5	ACS/WFC, ACCUM, WFC1	F435W		SAME POS AS 7		558 Secs (558 Secs) *[==>]*	*[2]*

Orbit Structure





Visit

Proposal 15643, T6_COS (69), implementation Tue Aug 20 18:01:48 GMT 2019

Diagnostic Status: Warning

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: (none)

Diagnostics

(FUV Spec 1 (69.002)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details.

Fixed Targets

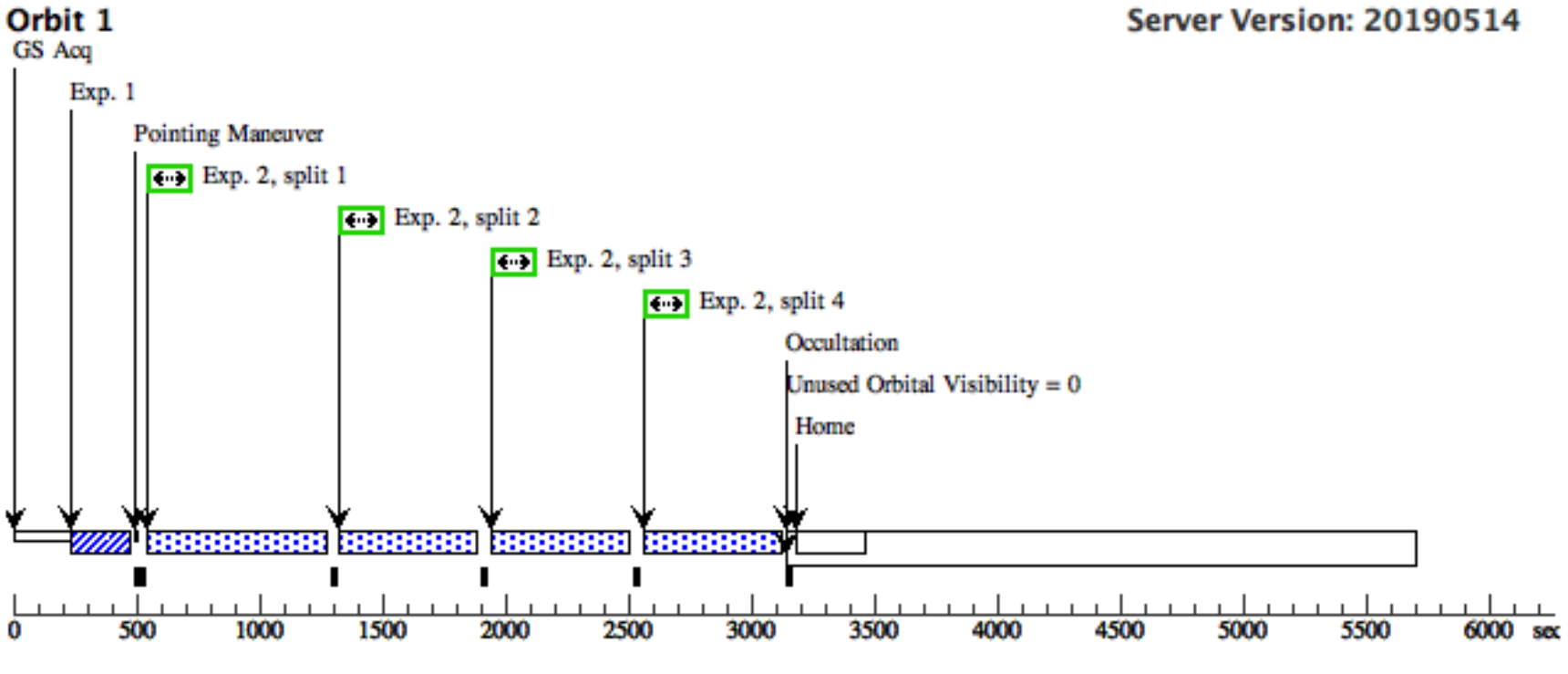
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(6)	SDSSJ015655.76-010116.5 Alt Name1: CG3782	RA: 01 56 55.7690 (29.2323708d) Dec: -01 01 16.71 (-1.02131d) Equinox: J2000		V=19.80 log(L_FUV/Lsun) = 10.725078	Reference Frame: ICRS

Comments: original coordinates: 01 56 55.7664 -01 01 16.64
Category=GALAXY
Description=[STARBURST]
Extended=YES

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Acquisition (1301140)	(6) SDSSJ015655.76-010116.5	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				12 Secs (12 Secs)	
								[==>]	***[1]***
2	FUV Spec 1 (1301412)	(6) SDSSJ015655.76-010116.5	COS/FUV, TIME-TAG, PSA	G160M 1611 A	FLASH=YES; FP-POS=ALL; BUFFER-TIME=24000			512 Secs (2048 Secs)	
								[==>(Split 1)] *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	***[1]***

Orbit Structure



Visit

Proposal 15643, T7_SBC_Centre (71), completed Tue Aug 20 18:01:48 GMT 2019

Diagnostic Status: No Diagnostics

Scientific Instruments: ACS/SBC

Special Requirements: (none)

Comments: Target 7
SBC visit 1 (1 orbit)
1 pointing in the center

This visit should only be executed when the SBC has not been used in the last 24 hours, and the MAMA detector has been allowed to cool. This minimizes the dark current in the SBC image, and was mentioned as a Special Requirement at Phase I.

Fixed Targets

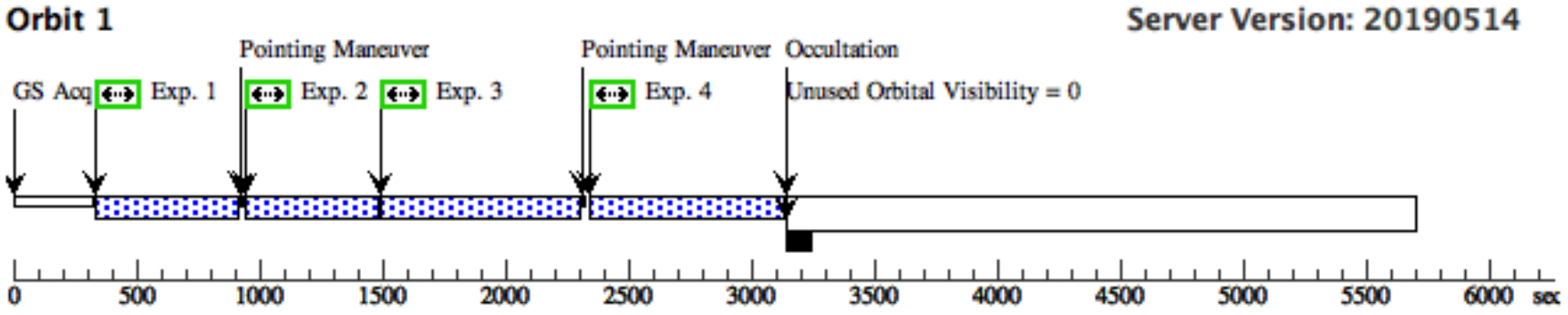
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(7)	SDSSJ235335.54+023150.2 Alt Name1: CG2399	RA: 23 53 35.5529 (358.3981371d) Dec: +02 31 50.22 (2.53062d) Equinox: J2000		V=20.84 log(L_FUV/Lsun) = 10.068764	Reference Frame: ICRS

Comments: original coordinates : 23 53 35.5440 +02 31 50.22
Category=GALAXY
Description=[STARBURST]
Extended=YES

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(1301442)	(7) SDSSJ235335.54 +023150.2	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG -0.5,-0.5		510 Secs (510 Secs) *[==>]*	 ***[1]***
2	(1301442)	(7) SDSSJ235335.54 +023150.2	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 0.5,0.5		510 Secs (510 Secs) *[==>]*	 ***[1]***
3	(1301441)	(7) SDSSJ235335.54 +023150.2	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 2		762 Secs (762 Secs) *[==>]*	 ***[1]***
4	(1301441)	(7) SDSSJ235335.54 +023150.2	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 1		762 Secs (762 Secs) *[==>]*	 ***[1]***

Orbit Structure



Visit

Proposal 15643, T7_SBC_L1 (72), scheduling Tue Aug 20 18:01:48 GMT 2019

Diagnostic Status: No Diagnostics

Scientific Instruments: ACS/SBC

Special Requirements: (none)

Comments: Target 7
SBC visit 2 (2 orbits)
L-shape 4 pointings

This visit should only be executed when the SBC has not been used in the last 24 hours, and the MAMA detector has been allowed to cool. This minimizes the dark current in the SBC image, and was mentioned as a Special Requirement at Phase I.

Fixed Targets

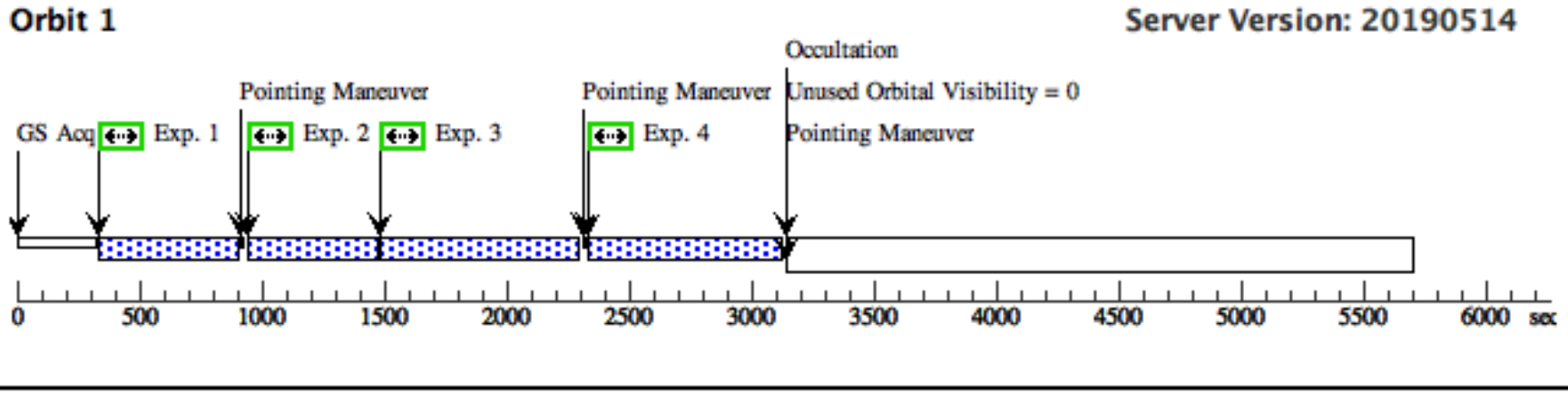
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(7)	SDSSJ235335.54+023150.2 Alt Name1: CG2399	RA: 23 53 35.5529 (358.3981371d) Dec: +02 31 50.22 (2.53062d) Equinox: J2000		V=20.84 log(L_FUV/Lsun) = 10.068764	Reference Frame: ICRS

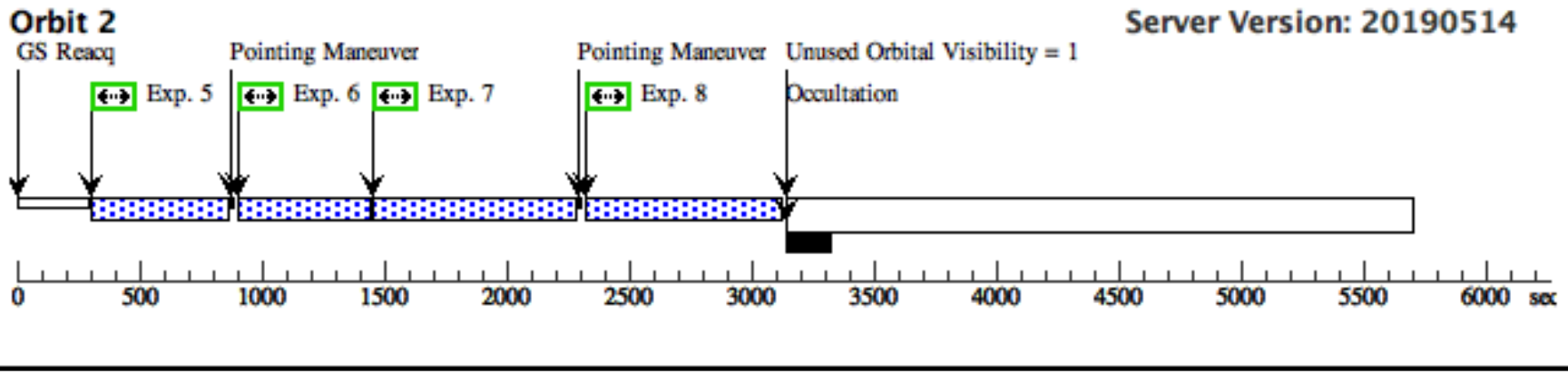
Comments: original coordinates : 23 53 35.5440 +02 31 50.22
Category=GALAXY
Description=[STARBURST]
Extended=YES

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(1301442)	(7) SDSSJ235335.54 +023150.2	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG -3.842,3 .810		505 Secs (505 Secs) *[==>]*	 ***[1]***
2	(1301442)	(7) SDSSJ235335.54 +023150.2	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG -0.329,3 .520		505 Secs (505 Secs) *[==>]*	 ***[1]***
3	(1301441)	(7) SDSSJ235335.54 +023150.2	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 2		763 Secs (763 Secs) *[==>]*	 ***[1]***
4	(1301441)	(7) SDSSJ235335.54 +023150.2	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 1		763 Secs (763 Secs) *[==>]*	 ***[1]***
5	(1301442)	(7) SDSSJ235335.54 +023150.2	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 3.185,3. 230		510 Secs (510 Secs) *[==>]*	 ***[2]***
6	(1301442)	(7) SDSSJ235335.54 +023150.2	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG -3.502,0 .300		510 Secs (510 Secs) *[==>]*	 ***[2]***
7	(1301441)	(7) SDSSJ235335.54 +023150.2	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 6		778 Secs (778 Secs) *[==>]*	 ***[2]***
8	(1301441)	(7) SDSSJ235335.54 +023150.2	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 5		778 Secs (778 Secs) *[==>]*	 ***[2]***

Orbit Structure





Visit

Proposal 15643, T7_SBC_L2 (73), scheduling Tue Aug 20 18:01:48 GMT 2019

Diagnostic Status: No Diagnostics

Scientific Instruments: ACS/SBC

Special Requirements: (none)

Comments: Target 7
SBC visit 3 (2 orbits)
L-shape 4 pointings

This visit should only be executed when the SBC has not been used in the last 24 hours, and the MAMA detector has been allowed to cool. This minimizes the dark current in the SBC image, and was mentioned as a Special Requirement at Phase I.

Fixed Targets

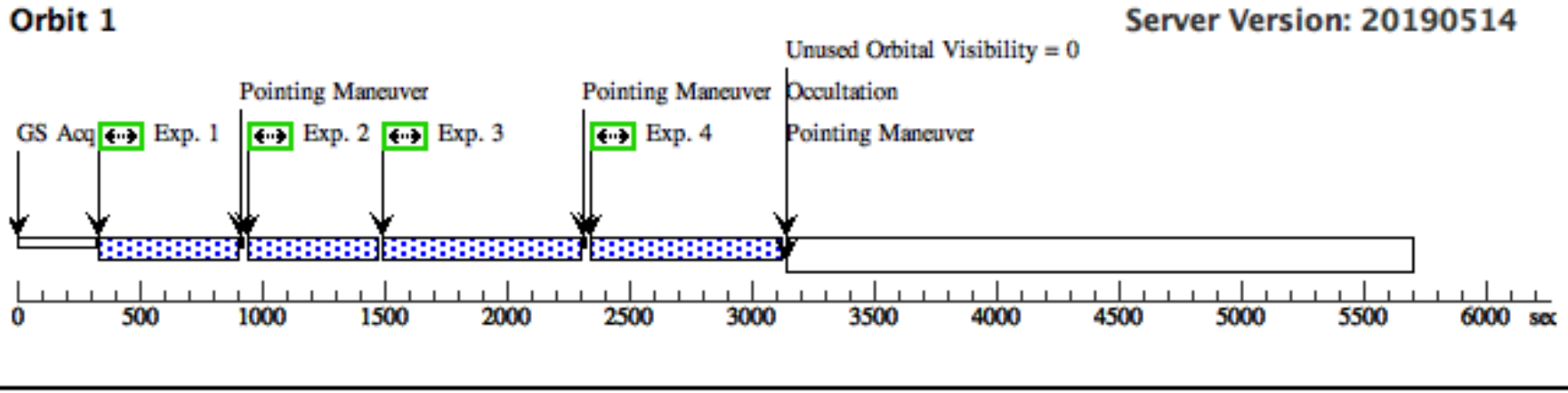
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(7)	SDSSJ235335.54+023150.2 Alt Name1: CG2399	RA: 23 53 35.5529 (358.3981371d) Dec: +02 31 50.22 (2.53062d) Equinox: J2000		V=20.84 log(L_FUV/Lsun) = 10.068764	Reference Frame: ICRS

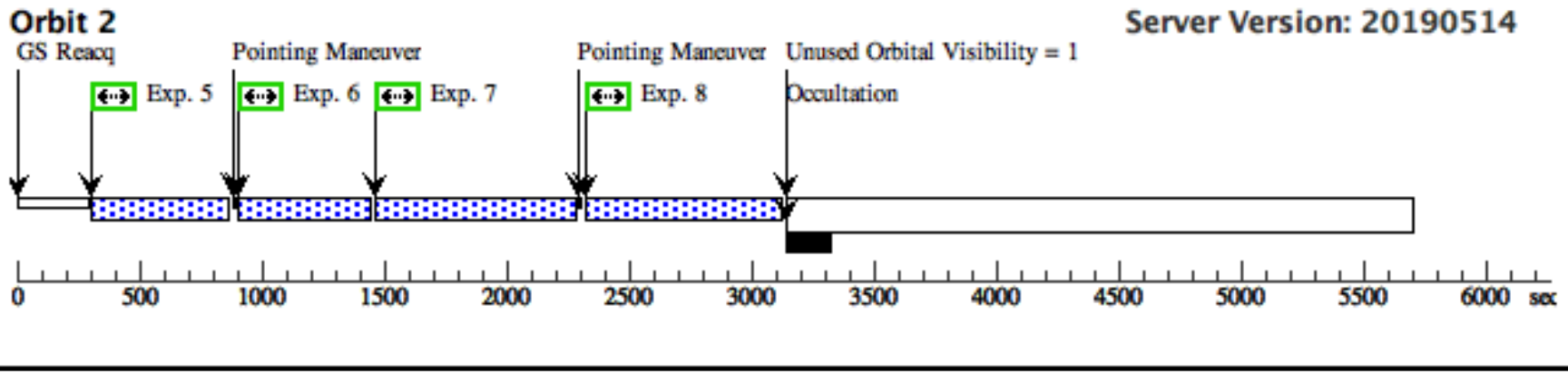
Comments: original coordinates : 23 53 35.5440 +02 31 50.22
Category=GALAXY
Description=[STARBURST]
Extended=YES

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(1301442)	(7) SDSSJ235335.54+023150.2	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 3.525,-0.280		505 Secs (505 Secs) *[==>]*	 ***[1]***
2	(1301442)	(7) SDSSJ235335.54+023150.2	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG -3.162,-3.210		505 Secs (505 Secs) *[==>]*	 ***[1]***
3	(1301441)	(7) SDSSJ235335.54+023150.2	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 2		759 Secs (759 Secs) *[==>]*	 ***[1]***
4	(1301441)	(7) SDSSJ235335.54+023150.2	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 1		759 Secs (759 Secs) *[==>]*	 ***[1]***
5	(1301442)	(7) SDSSJ235335.54+023150.2	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 0.351,-3.500		515 Secs (515 Secs) *[==>]*	 ***[2]***
6	(1301442)	(7) SDSSJ235335.54+023150.2	ACS/SBC, ACCUM, SBC-FIX	F150LP		POS TARG 3.865,-3.790		515 Secs (515 Secs) *[==>]*	 ***[2]***
7	(1301441)	(7) SDSSJ235335.54+023150.2	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 6		777 Secs (777 Secs) *[==>]*	 ***[2]***
8	(1301441)	(7) SDSSJ235335.54+023150.2	ACS/SBC, ACCUM, SBC-FIX	F165LP		SAME POS AS 5		777 Secs (777 Secs) *[==>]*	 ***[2]***

Orbit Structure





Visit

Proposal 15643, T7_ACS (76), scheduling Tue Aug 20 18:01:48 GMT 2019

Diagnostic Status: Warning

Scientific Instruments: ACS/WFC

Special Requirements: (none)

Diagnostics

(Exposure 4 (T7_ACS (76))) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp filters as central wavelengths & transmission efficiencies vary within the apertures.

Fixed Targets

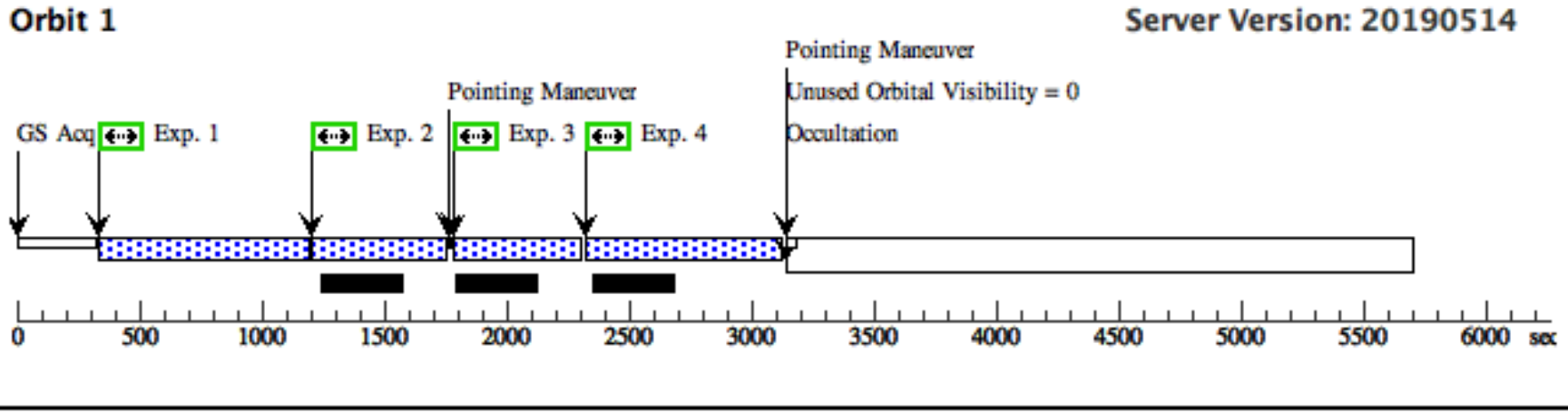
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(7)	SDSSJ235335.54+023150.2 Alt Name1: CG2399	RA: 23 53 35.5529 (358.3981371d) Dec: +02 31 50.22 (2.53062d) Equinox: J2000		V=20.84 log(L_FUV/Lsun) = 10.068764	Reference Frame: ICRS

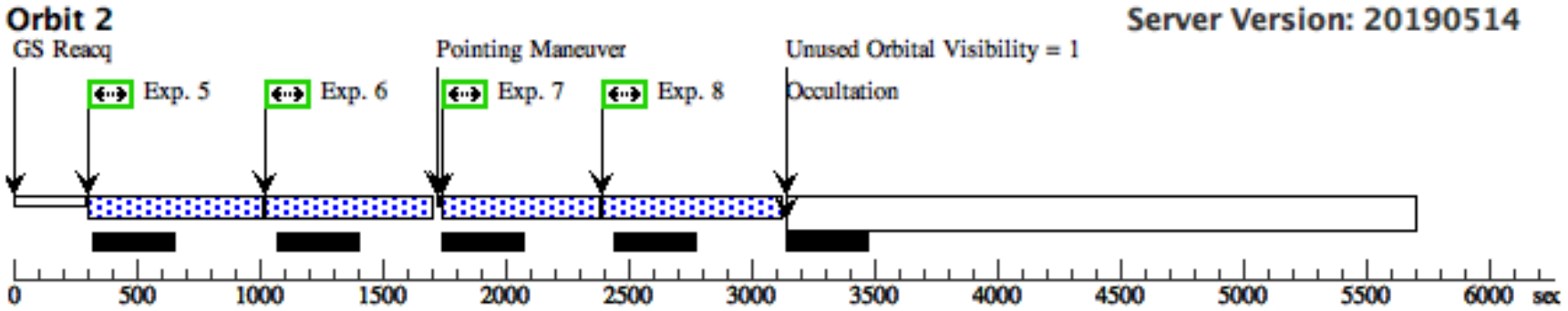
Comments: original coordinates : 23 53 35.5440 +02 31 50.22
Category=GALAXY
Description=[STARBURST]
Extended=YES

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(7) SDSSJ235335.54 +023150.2	ACS/WFC, ACCUM, WFC2-ORAMP	FR782N 8094 A	FLASH=9			650 Secs (650 Secs) *[==>]*	 ***[1]***
2		(7) SDSSJ235335.54 +023150.2	ACS/WFC, ACCUM, WFC2-ORAMP	F814W				397 Secs (397 Secs) *[==>]*	 ***[1]***
3		(7) SDSSJ235335.54 +023150.2	ACS/WFC, ACCUM, WFC2-ORAMP	F814W		POS TARG 0.725,0.365		397 Secs (397 Secs) *[==>]*	 ***[1]***
4		(7) SDSSJ235335.54 +023150.2	ACS/WFC, ACCUM, WFC2-ORAMP	FR782N 8094 A	FLASH=9	POS TARG 0.725,0.365		650 Secs (650 Secs) *[==>]*	 ***[1]***
5		(7) SDSSJ235335.54 +023150.2	ACS/WFC, ACCUM, WFC2	F435W				564 Secs (564 Secs) *[==>]*	 ***[2]***
6		(7) SDSSJ235335.54 +023150.2	ACS/WFC, ACCUM, WFC2	F555W				513 Secs (513 Secs) *[==>]*	 ***[2]***
7		(7) SDSSJ235335.54 +023150.2	ACS/WFC, ACCUM, WFC2	F555W		POS TARG 0.725,0.365		513 Secs (513 Secs) *[==>]*	 ***[2]***
8		(7) SDSSJ235335.54 +023150.2	ACS/WFC, ACCUM, WFC2	F435W		SAME POS AS 7		564 Secs (564 Secs) *[==>]*	 ***[2]***

Orbit Structure





Visit

Proposal 15643, T7_COS (79), implementation Tue Aug 20 18:01:48 GMT 2019

Diagnostic Status: Warning

Scientific Instruments: COS/FUV, COS/NUV

Special Requirements: (none)

Diagnostics

(FUV Spec 1 (79.002)) Warning (Form): COS FUV PSA science exposures with extended targets have special calibration limitations. See "Errors and Warnings" for more details.

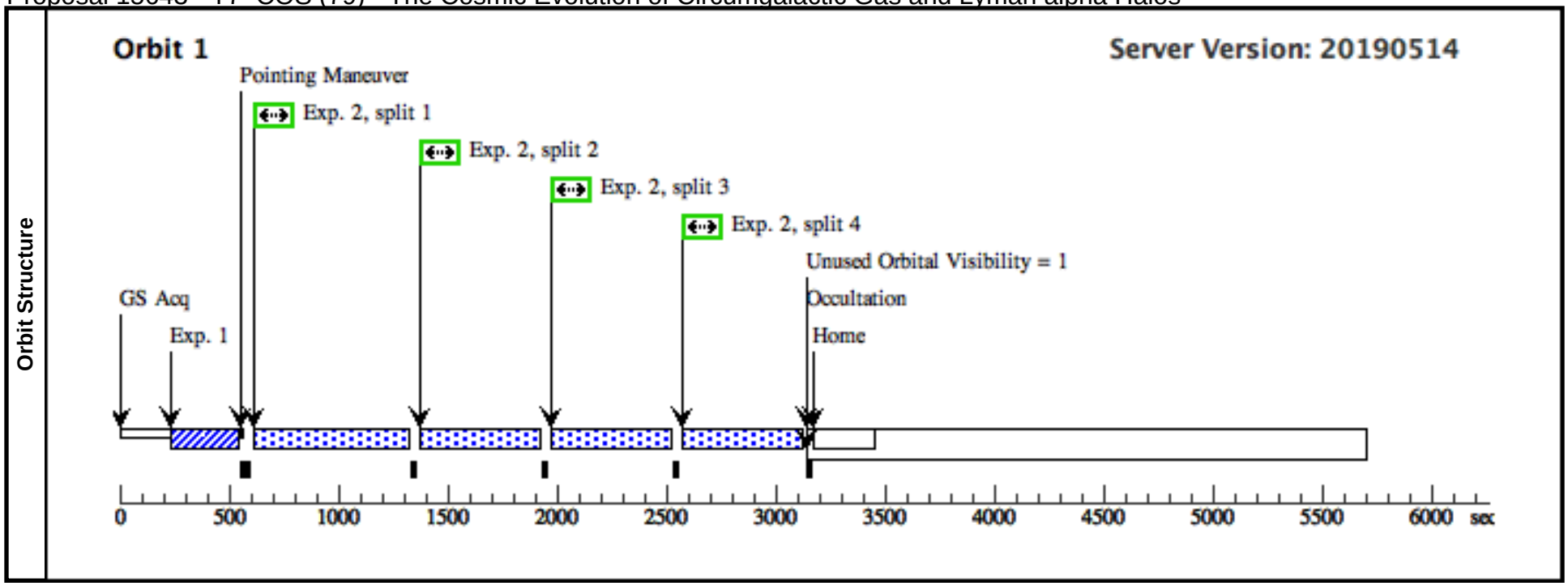
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(7)	SDSSJ235335.54+023150.2 Alt Name1: CG2399	RA: 23 53 35.5529 (358.3981371d) Dec: +02 31 50.22 (2.53062d) Equinox: J2000		V=20.84 log(L_FUV/Lsun) = 10.068764	Reference Frame: ICRS

Comments: original coordinates : 23 53 35.5440 +02 31 50.22
Category=GALAXY
Description=[STARBURST]
Extended=YES

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Acquisition (1301141)	(7) SDSSJ235335.54 +023150.2	COS/NUV, ACQ/IMAGE, PSA	MIRRORA				45 Secs (45 Secs)	
								[==>]	***[1]***
2	FUV Spec 1 (1301413)	(7) SDSSJ235335.54 +023150.2	COS/FUV, TIME-TAG, PSA	G160M 1589 A	FLASH=YES; FP-POS=ALL; BUFFER-TIME=25000			497 Secs (1988 Secs)	
								[==>(Split 1)] *[==>(Split 2)]* *[==>(Split 3)]* *[==>(Split 4)]*	***[1]***


Orbit Structure
Orbit 1
Server Version: 20190514
Pointing Maneuver
Exp. 2, split 1
Exp. 2, split 2
Exp. 2, split 3
Exp. 2, split 4
Unused Orbital Visibility = 1
GS Acq
Exp. 1
Occultation
Home
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
6000
sec