12861 - Morphologies of the Most UV luminous Lyman Break Galaxies at z~3

Cycle: 20, Proposal Category: GO

(Availability Mode: SUPPORTED)

INVESTIGATORS

Name	*Institution*	*E-Mail*
Prof. Xiaohui Fan (PI)	**University of Arizona**	**fan@as.arizona.edu**
Mr. Fuyan Bian (CoI) (Contact)	University of Arizona	fbian@as.arizona.edu
Dr. Linhua Jiang (CoI)	Arizona State University	linhua.jiang@asu.edu
Dr. Ian McGreer (CoI)	University of Arizona	imcgreer@as.arizona.edu
Dr. Romeel Dave (CoI)	University of Arizona	rad@as.arizona.edu

VISITS

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
01	(1) J2335-0114	WFC3/IR	1	09-Jul-2012 21:13:57.0	yes
02	(2) J0134-0111	WFC3/IR	1	09-Jul-2012 21:14:04.0	yes
03	(3) J0222-0109	WFC3/IR	1	09-Jul-2012 21:14:09.0	yes
04	(4) J2121-0038	WFC3/IR	1	09-Jul-2012 21:14:14.0	yes
05	(5) J0143-0049	WFC3/IR	1	09-Jul-2012 21:14:19.0	yes
06	(6) J0212+0009	WFC3/IR	1	09-Jul-2012 21:14:24.0	yes
07	(7) J0013-0002	WFC3/IR	1	09-Jul-2012 21:14:29.0	yes
08	(8) J1432+3358	WFC3/IR	1	09-Jul-2012 21:14:34.0	yes
09	(9) J1433+3356	WFC3/IR	1	09-Jul-2012 21:14:39.0	yes
10	(10) J1424+3258	WFC3/IR	1	09-Jul-2012 21:14:44.0	yes

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
11	(11) J1430+3313	WFC3/IR	1	09-Jul-2012 21:14:51.0	yes
12	(12) J1426+3308	WFC3/IR	1	09-Jul-2012 21:14:55.0	yes
13	(13) J1427+3520	WFC3/IR	1	09-Jul-2012 21:15:00.0	yes
14	(14) J1426+3328	WFC3/IR	1	09-Jul-2012 21:15:05.0	yes
15	(15) J0059-0000	WFC3/IR	1	09-Jul-2012 21:15:09.0	yes
16	(16) J0012+0027	WFC3/IR	1	09-Jul-2012 21:15:14.0	yes
17	(17) J0132+0026	WFC3/IR	1	09-Jul-2012 21:15:19.0	yes
18	(18) J0021+0042	WFC3/IR	1	09-Jul-2012 21:15:23.0	yes

18 Total Orbits Used

ABSTRACT

We propose to carry out WFC3/F160W high spatial resolution imaging of a sample of eighteen extremely UV luminous Lyman Break Galaxies (LBGs) at z=2.2-3.2 to study their morphologies and to constrain models of the formation and evolution of the most massive and luminous galaxies at high-redshift. Studies of high-redshift LBGs in recent years have provided key insight into the history of galaxy assembly at the peak of cosmic star formation activity. However, most previous studies have been limited by small survey volume and could not select the rarest systems. We have carried out wide-field multicolor surveys of LBGs covering >300 deg^2, increasing the survey volume by ~2 orders of magnitude. Our initial observations have revealed eighteen extremely UV luminous galaxies with r~21-22.5, more than 2 magnitudes brighter than typical LBGs. At L > 6L*, they represent some of the rarest and most intensive star forming systems in the early Universe. With the proposed observations, we will look for signatures of major merger activities, measure the relative contribution of nuclear point source to the total luminosity, and carry out detailed quantitative morphological measurements. These analyses will help us understand the triggering mechanism of the intense star formation in these galaxies, constrain their star formation and assembly histories, and reveal their evolutionary stage in the overall sequence of galaxy formation. Together with other observations, our study will place these newly discovered galaxies in the context of galaxy growth through merger and cold flow accretion at the peak era of cosmic star formation, and provide a unique laboratory for galaxy formation theory.

OBSERVING DESCRIPTION

The main purpose of the proposed observations is to obtain high spatial resolution rest-frame optical images of a sample of extremely UV luminous Lyman Break Galaxies (LBGs) to study their morphological properties. We proposed to observe18 UV luminous LBGs with WFC3/F160W filter. Our purpose is to get high S/N WFC3/F160 image to sample the rest-frame optical emission (~4000A) and trace old stellar populations and stellar structure.

Total 18 individal visits (one orbit per visit) are create for the 18 galaxies. For each visit, we use a four pointing dithering partern (WFC3-IR-DITHER-BOX-MIN) to fill the one-orbit observing time. For each pointing, the sampling sequence with NSAMP=14, SAMP-SEQ=SAPAR50 is used. With this setup, the exposure time on each of the galaxy will reach 2600s. Based on the ETC, the observation will provide enough S/N (S/N>7 for 0.1"x0.1" region) to perform both parametric and non-parametric analysis on the morphology of these galaxies.

Visit

Proposal 12861, J2335 (01), implementation Tue Jul 10 01:15:30 GMT 2012

Diagnostic Status: No Diagnostics

Scientific Instruments: WFC3/IR

Special Requirements: SCHED 100%

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1)

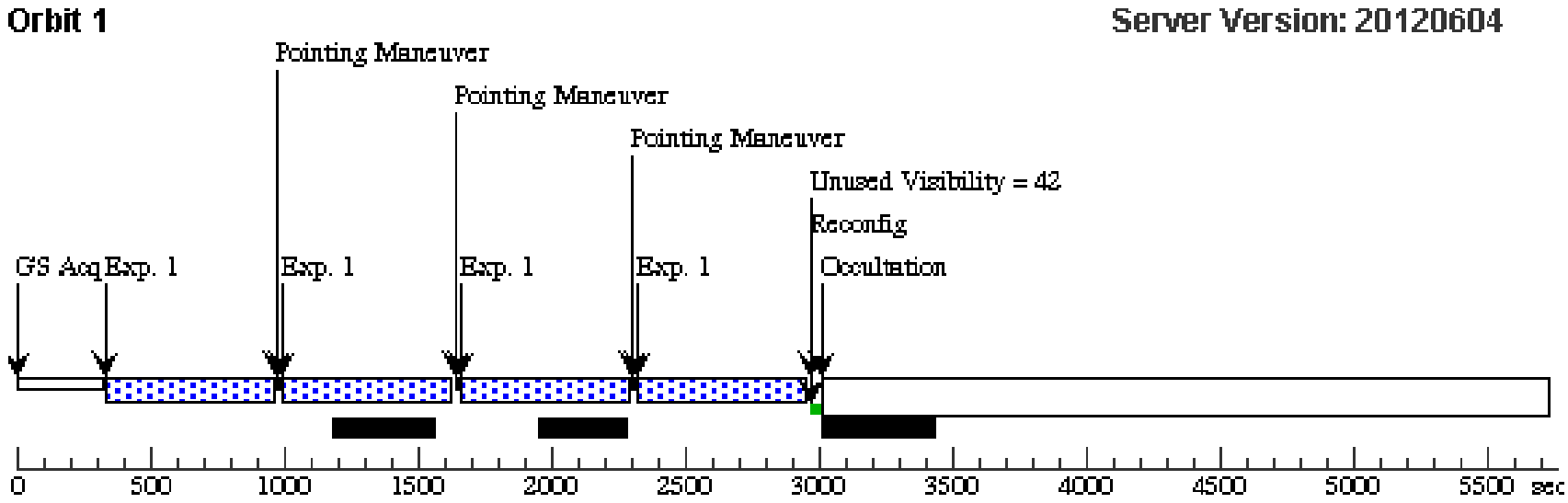
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	J2335-0114	RA: 23 35 19.4900 (353.8312083d) Dec: -01 14 34.60 (-1.24294d) Equinox: J2000		V=(?) r = 21.0	Reference Frame: ICRS

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	J2335 (FC3IR.im.410667)	(1) J2335-0114	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=13; SAMP-SEQ=SPARS50		Pattern 1, Exps 1-1 in J2335 (01) (1)	*[==>(Pattern 1)]* *[==>(Pattern 2)]* *[==>(Pattern 3)]* *[==>(Pattern 4)]*	***[1]***

Orbit Structure



Visit

Proposal 12861, J0134 (02), implementation Tue Jul 10 01:15:31 GMT 2012

Diagnostic Status: No Diagnostics

Scientific Instruments: WFC3/IR

Special Requirements: SCHED 100%

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1)

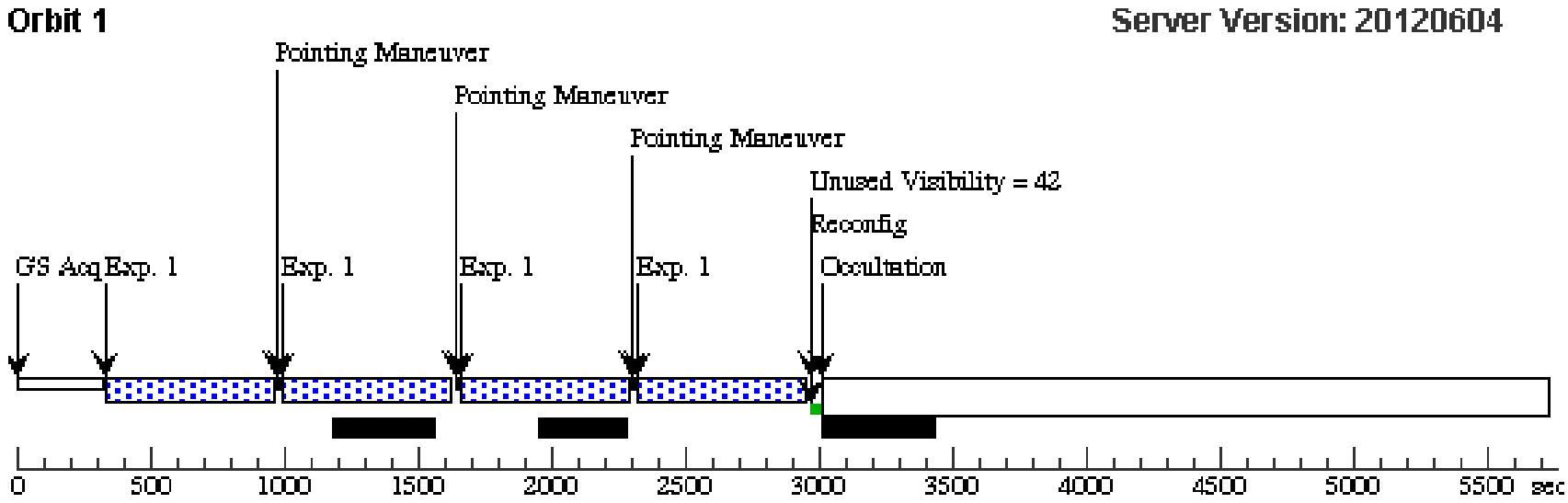
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	J0134-0111	RA: 01 34 15.9300 (23.5663750d) Dec: -01 11 16.80 (-1.18800d) Equinox: J2000		V=(?) r = 20.9	Reference Frame: ICRS

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	J0134 (FC3IR.im.410667)	(2) J0134-0111	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=13; SAMP-SEQ=SPARS50		Pattern 1, Exps 1-1 in J0134 (02) (1)	*[==>(Pattern 1)]* *[==>(Pattern 2)]* *[==>(Pattern 3)]* *[==>(Pattern 4)]*	*[1]*

Orbit Structure



Visit

Proposal 12861, J0222 (03), implementation Tue Jul 10 01:15:32 GMT 2012

Diagnostic Status: No Diagnostics

Scientific Instruments: WFC3/IR

Special Requirements: SCHED 100%

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1)

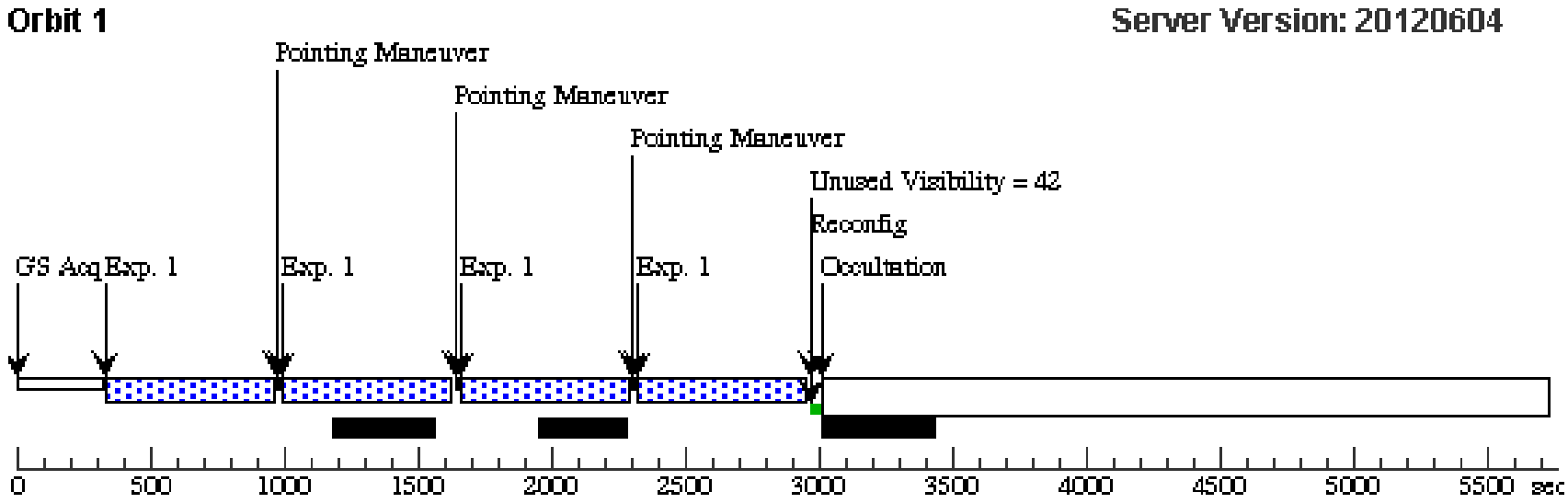
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(3)	J0222-0109	RA: 02 22 10.8100 (35.5450417d) Dec: -01 09 48.20 (-1.16339d) Equinox: J2000		V=(?) r = 21.6	Reference Frame: ICRS

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	J0222 (FC3IR.im.410667)	(3) J0222-0109	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=13; SAMP-SEQ=SPARS50		Pattern 1, Exps 1-1 in J0222 (03) (1)	*[==>(Pattern 1)]* *[==>(Pattern 2)]* *[==>(Pattern 3)]* *[==>(Pattern 4)]*	***[1]***

Orbit Structure



Visit

Proposal 12861, J2121 (04), implementation Tue Jul 10 01:15:33 GMT 2012

Diagnostic Status: No Diagnostics

Scientific Instruments: WFC3/IR

Special Requirements: (none)

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1)

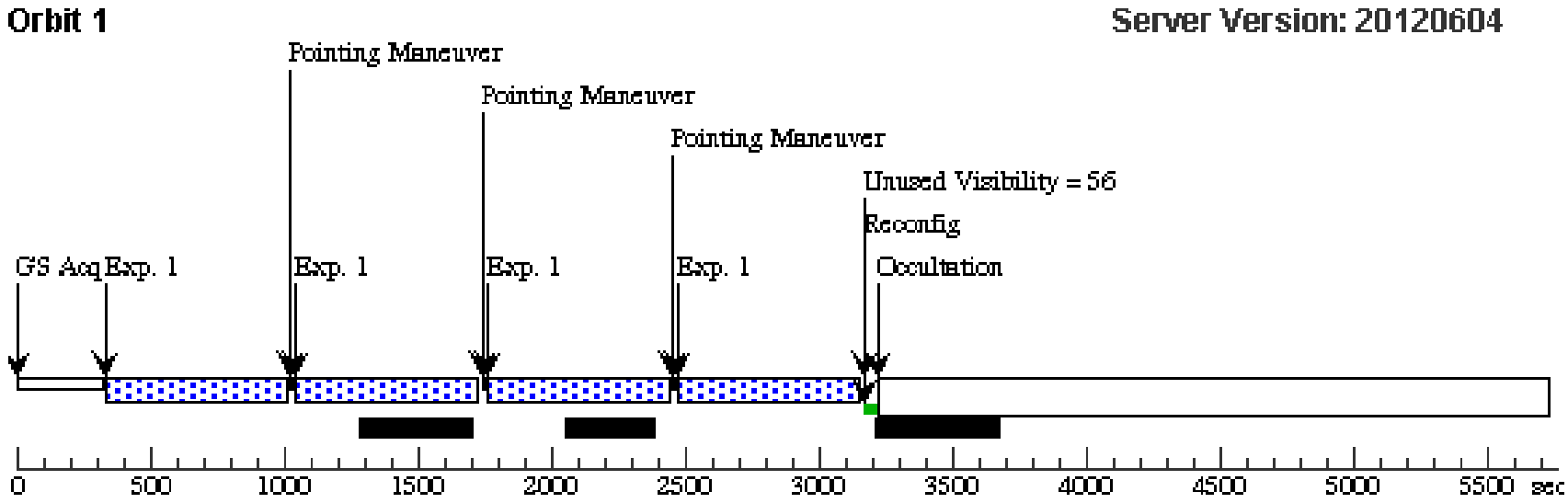
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(4)	J2121-0038	RA: 21 21 48.6000 (320.4525000d) Dec: -00 38 36.90 (-.64358d) Equinox: J2000		V=(?) r = 22.3	Reference Frame: ICRS

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	J2121 (FC3IR.im.410667)	(4) J2121-0038	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=SPARS50		Pattern 1, Exps 1-1 in J2121 (04) (1)	*[==>(Pattern 1)]* *[==>(Pattern 2)]* *[==>(Pattern 3)]* *[==>(Pattern 4)]*	***[1]***

Orbit Structure



Visit

Proposal 12861, J0143 (05), implementation Tue Jul 10 01:15:34 GMT 2012

Diagnostic Status: No Diagnostics

Scientific Instruments: WFC3/IR

Special Requirements: SCHED 100%

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1)

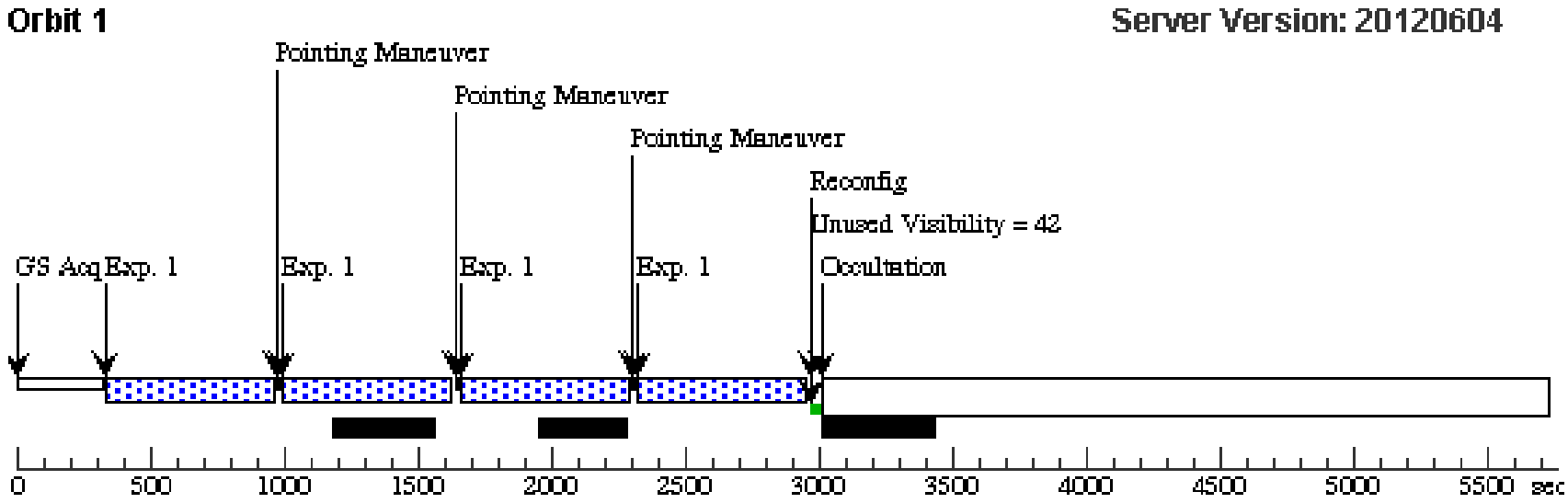
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(5)	J0143-0049	RA: 01 43 50.5600 (25.9606667d) Dec: -00 49 13.80 (-.82050d) Equinox: J2000		V=(?) r = 22.1	Reference Frame: ICRS

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	J0143 (FC3IR.im.410667)	(5) J0143-0049	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=13; SAMP-SEQ=SPARS50		Pattern 1, Exps 1-1 in J0143 (05) (1)	*[==>(Pattern 1)]* *[==>(Pattern 2)]* *[==>(Pattern 3)]* *[==>(Pattern 4)]*	***[1]***

Orbit Structure



Visit

Proposal 12861, J0212 (06), implementation Tue Jul 10 01:15:35 GMT 2012

Diagnostic Status: No Diagnostics

Scientific Instruments: WFC3/IR

Special Requirements: SCHED 100%

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1)

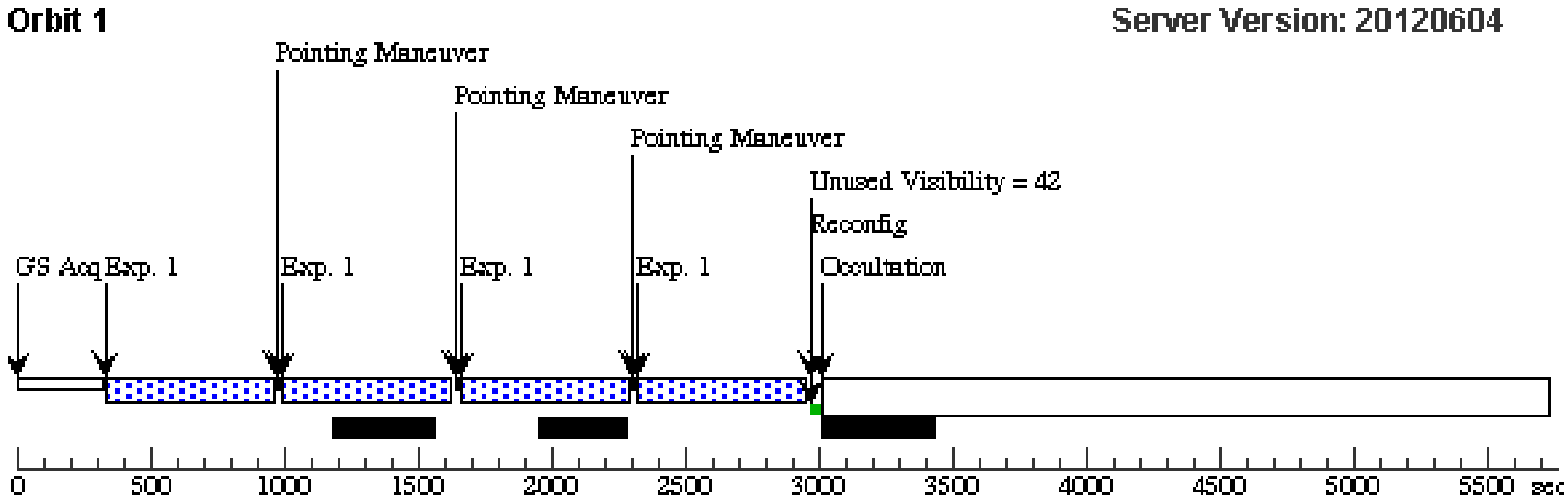
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(6)	J0212+0009	RA: 02 12 0.7400 (33.0030833d) Dec: +00 09 36.10 (.16003d) Equinox: J2000		V=(?) r = 22.0	Reference Frame: ICRS

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	J0212 (FC3IR.im.410667)	(6) J0212+0009	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=13; SAMP-SEQ=SPARS50		Pattern 1, Exps 1-1 in J0212 (06) (1)	*[==>(Pattern 1)]* *[==>(Pattern 2)]* *[==>(Pattern 3)]* *[==>(Pattern 4)]*	*[1]*

Orbit Structure



Visit

Proposal 12861, J0013 (07), implementation Tue Jul 10 01:15:36 GMT 2012

Diagnostic Status: No Diagnostics

Scientific Instruments: WFC3/IR

Special Requirements: SCHED 100%

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1)

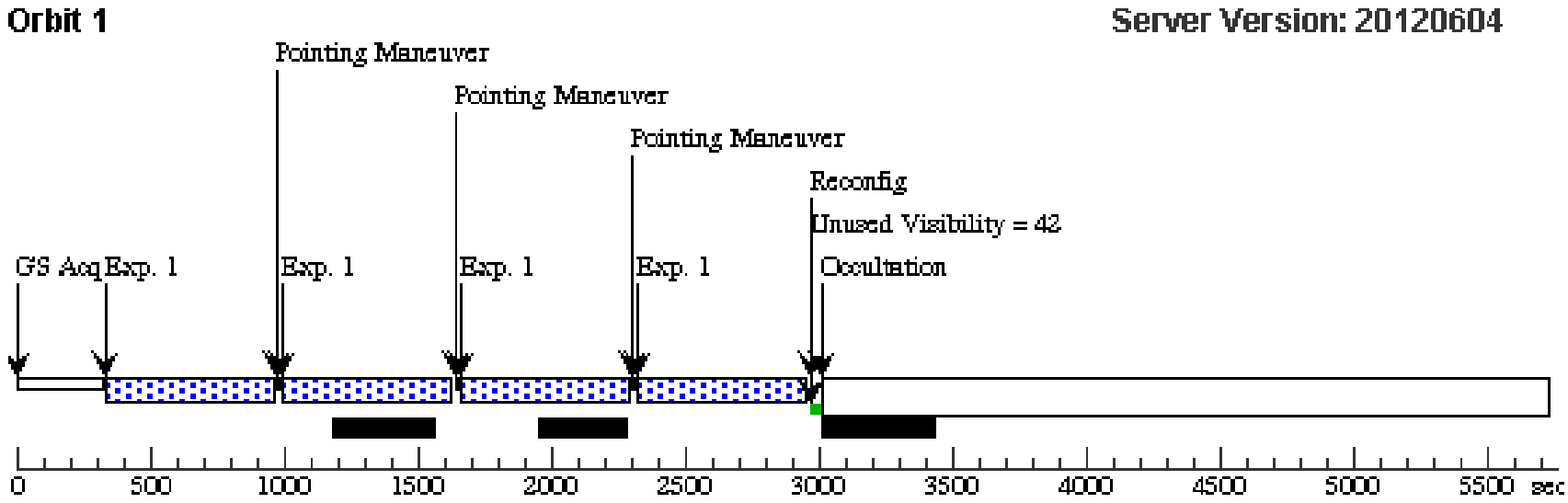
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(7)	J0013-0002	RA: 00 13 5.4200 (3.2725833d) Dec: -00 02 11.40 (-.03650d) Equinox: J2000		V=(?) r = 21.7	Reference Frame: ICRS

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	J0013 (FC3IR.im.410667)	(7) J0013-0002	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=13; SAMP-SEQ=SPARS50		Pattern 1, Exps 1-1 in J0013 (07) (1)	*[==>(Pattern 1)]* *[==>(Pattern 2)]* *[==>(Pattern 3)]* *[==>(Pattern 4)]*	*[1]*

Orbit Structure



Visit

Proposal 12861, J1432 (08), implementation Tue Jul 10 01:15:37 GMT 2012

Diagnostic Status: No Diagnostics

Scientific Instruments: WFC3/IR

Special Requirements: (none)

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1)

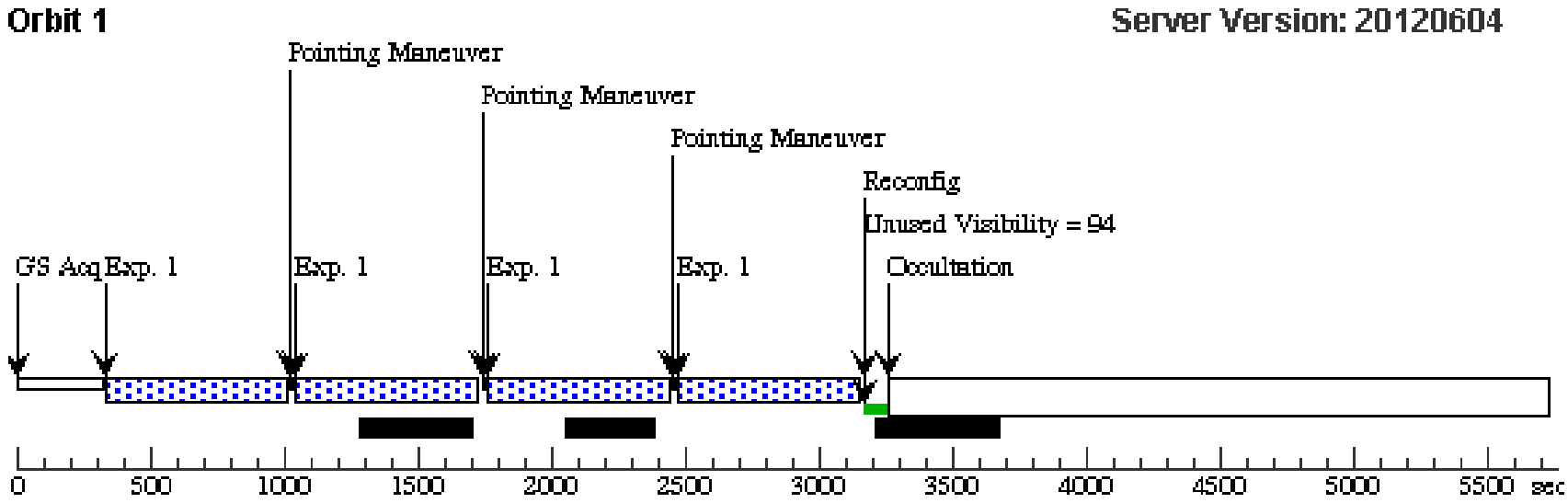
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(8)	J1432+3358	RA: 14 32 21.4840 (218.0895167d) Dec: +33 58 19.14 (33.97198d) Equinox: J2000		V=(?) r = 22.3	Reference Frame: ICRS

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	J1432 (FC3IR.im.410667)	(8) J1432+3358	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=SPARS50		Pattern 1, Exps 1-1 in J1432 (08) (1)	*[==>(Pattern 1)]* *[==>(Pattern 2)]* *[==>(Pattern 3)]* *[==>(Pattern 4)]*	***[1]***

Orbit Structure



Visit

Proposal 12861, J1433 (09), implementation Tue Jul 10 01:15:37 GMT 2012

Diagnostic Status: No Diagnostics

Scientific Instruments: WFC3/IR

Special Requirements: (none)

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1)

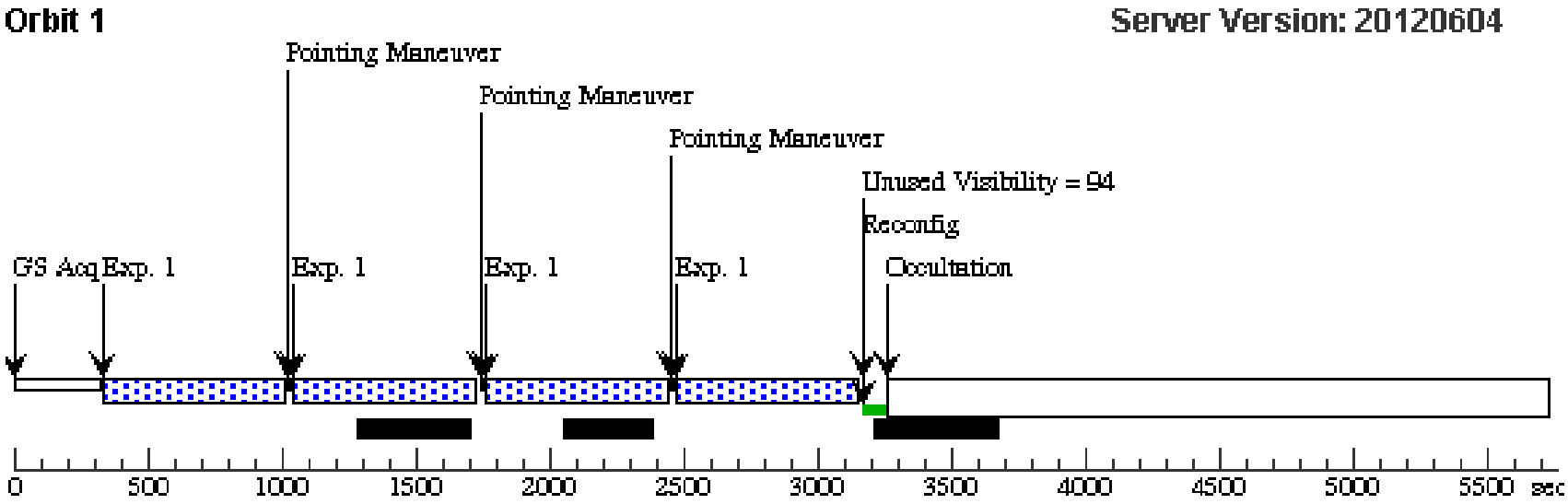
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(9)	J1433+3356	RA: 14 33 21.2500 (218.3385417d) Dec: +33 56 3.50 (33.93431d) Equinox: J2000		V=(?) r = 22.3	Reference Frame: ICRS

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	J1433 (FC3IR.im.410667)	(9) J1433+3356	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=SPARS50		Pattern 1, Exps 1-1 in J1433 (09) (1)	*[==>(Pattern 1)]* *[==>(Pattern 2)]* *[==>(Pattern 3)]* *[==>(Pattern 4)]*	***[1]***

Orbit Structure



Visit

Proposal 12861, J1424 (10), implementation Tue Jul 10 01:15:38 GMT 2012

Diagnostic Status: No Diagnostics

Scientific Instruments: WFC3/IR

Special Requirements: (none)

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1)

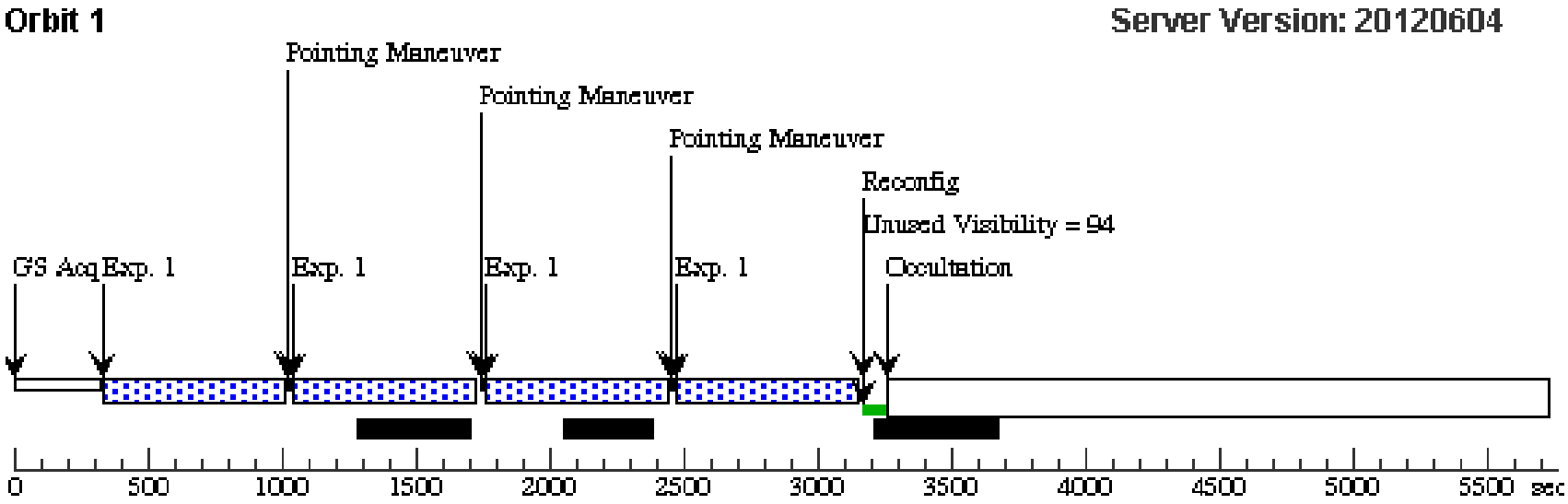
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(10)	J1424+3258	RA: 14 24 35.7400 (216.1489167d) Dec: +32 58 31.40 (32.97539d) Equinox: J2000		V=(?) r = 22.5	Reference Frame: ICRS

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	J1424 (FC3IR.im.410667)	(10) J1424+3258	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=SPARS50	GS ACQ SCENARIO BASE1B3	Pattern 1, Exps 1-1 in J1424 (10) (1)	*[==>(Pattern 1)]* *[==>(Pattern 2)]* *[==>(Pattern 3)]* *[==>(Pattern 4)]*	***[1]***

Orbit Structure



Visit

Proposal 12861, J1430 (11), implementation Tue Jul 10 01:15:39 GMT 2012

Diagnostic Status: No Diagnostics

Scientific Instruments: WFC3/IR

Special Requirements: (none)

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1)

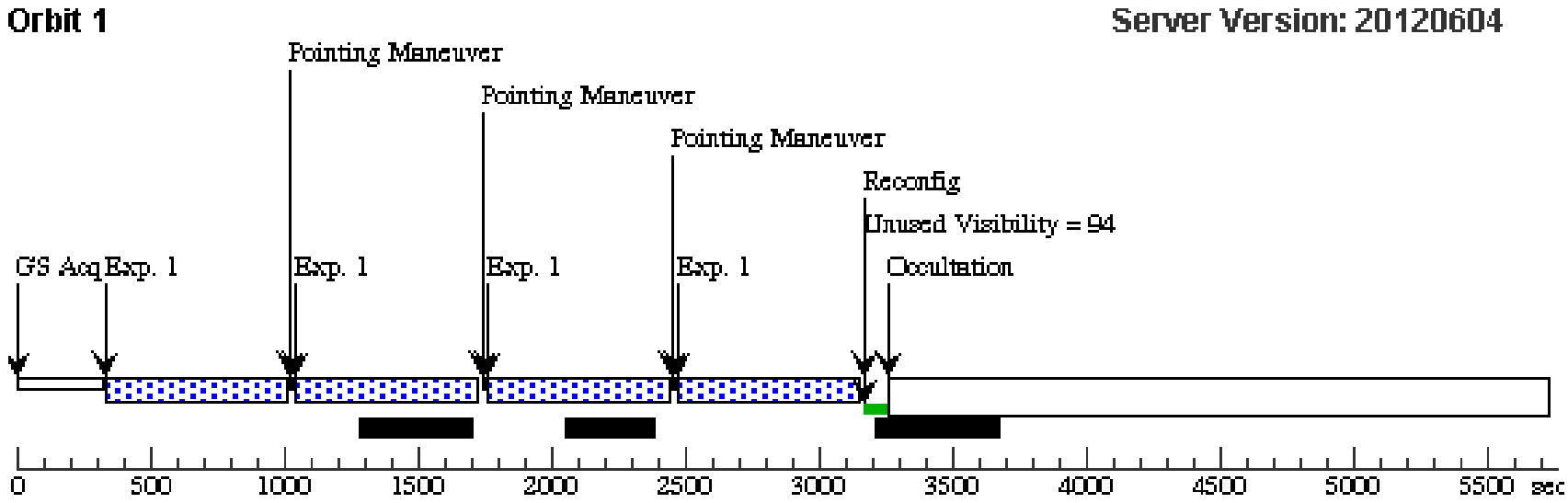
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(11)	J1430+3313	RA: 14 30 53.3800 (217.7224167d) Dec: +33 13 22.00 (33.22278d) Equinox: J2000		V=(?) r = 22.5	Reference Frame: ICRS

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	J1430 (FC3IR.im.410667)	(11) J1430+3313	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=SPARS50		Pattern 1, Exps 1-1 in J1430 (11) (1)	*[==>(Pattern 1)]* *[==>(Pattern 2)]* *[==>(Pattern 3)]* *[==>(Pattern 4)]*	***[1]***

Orbit Structure



Visit

Proposal 12861, J1426 (12), implementation Tue Jul 10 01:15:40 GMT 2012

Diagnostic Status: No Diagnostics

Scientific Instruments: WFC3/IR

Special Requirements: (none)

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1)

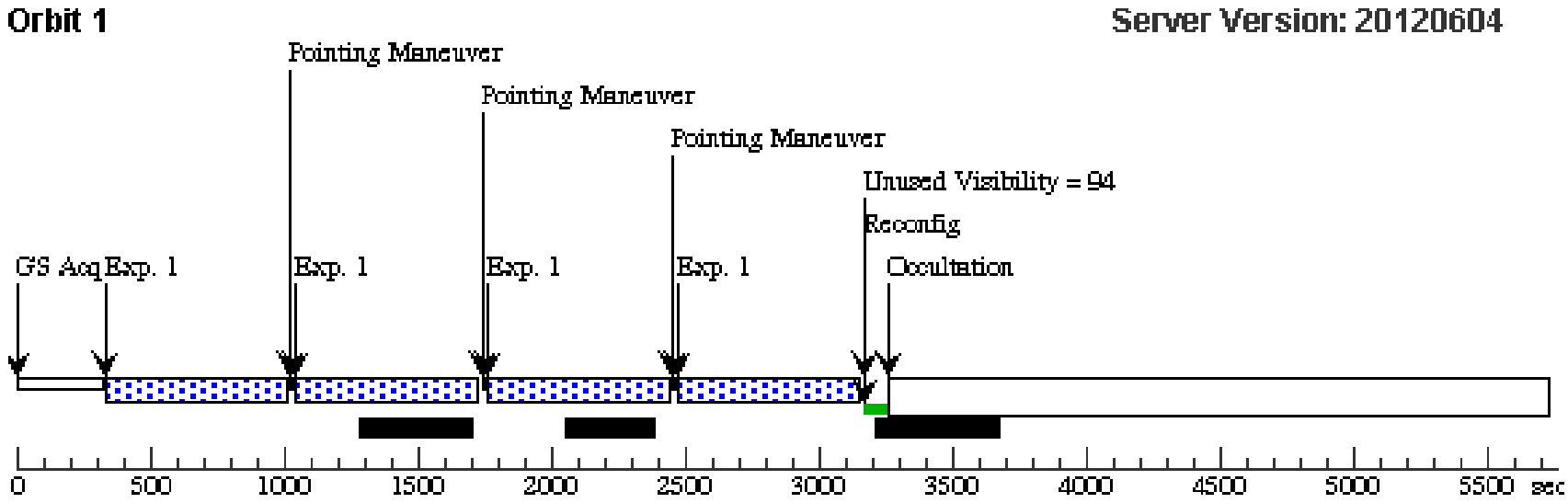
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(12)	J1426+3308	RA: 14 26 0.5600 (216.5023333d) Dec: +33 08 50.10 (33.14725d) Equinox: J2000		V=(?) r = 22.4	Reference Frame: ICRS

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	J1426 (FC3IR.im.410667)	(12) J1426+3308	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=SPARS50		Pattern 1, Exps 1-1 in J1426 (12) (1)	*[==>(Pattern 1)]* *[==>(Pattern 2)]* *[==>(Pattern 3)]* *[==>(Pattern 4)]*	***[1]***

Orbit Structure



Visit

Proposal 12861, J1427 (13), implementation Tue Jul 10 01:15:41 GMT 2012

Diagnostic Status: No Diagnostics

Scientific Instruments: WFC3/IR

Special Requirements: (none)

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1)

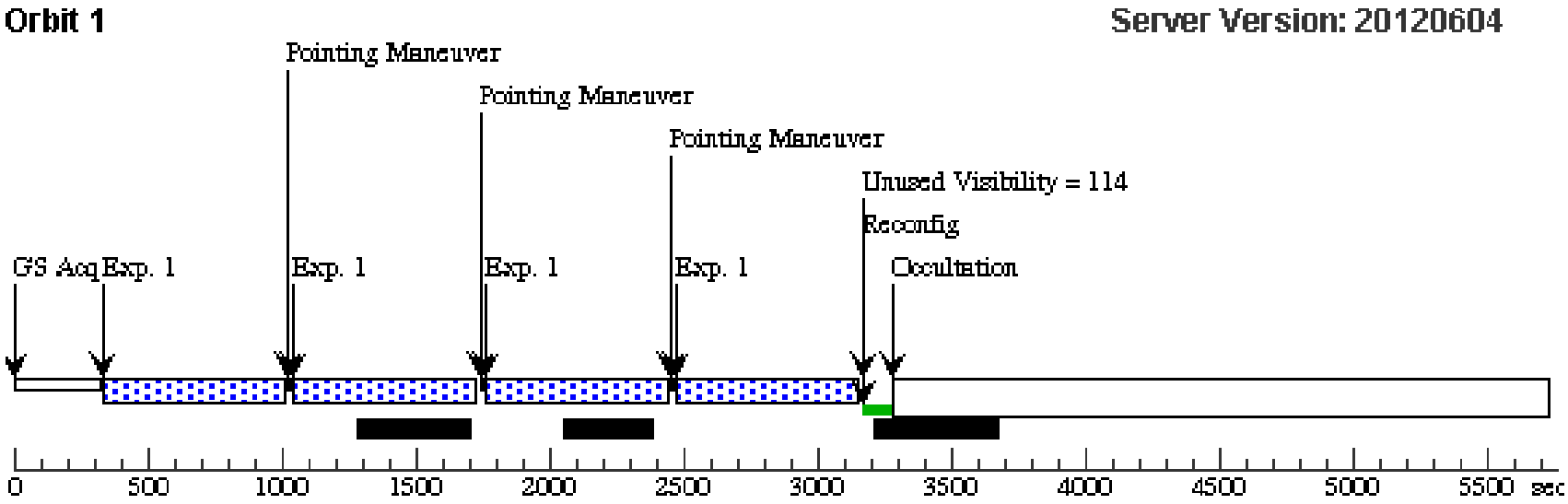
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(13)	J1427+3520	RA: 14 27 55.3000 (216.9804167d) Dec: +35 20 57.50 (35.34931d) Equinox: J2000		V=(?) r = 22.5	Reference Frame: ICRS

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	J1427 (FC3IR.im.410667)	(13) J1427+3520	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=SPARS50		Pattern 1, Exps 1-1 in J1427 (13) (1)	*[==>(Pattern 1)]* *[==>(Pattern 2)]* *[==>(Pattern 3)]* *[==>(Pattern 4)]*	***[1]***

Orbit Structure



Visit

Proposal 12861, J1426 (14), implementation Tue Jul 10 01:15:41 GMT 2012

Diagnostic Status: No Diagnostics

Scientific Instruments: WFC3/IR

Special Requirements: (none)

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1)

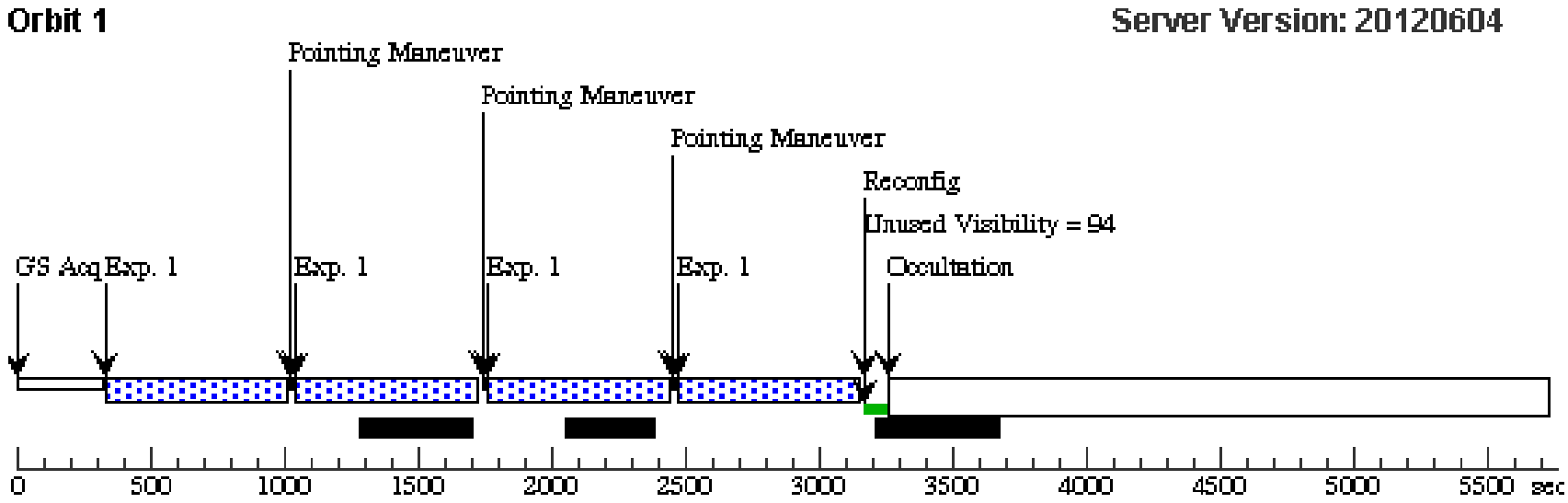
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(14)	J1426+3328	RA: 14 26 54.5700 (216.7273750d) Dec: +33 28 51.70 (33.48103d) Equinox: J2000		V=(?) r = 22.4	Reference Frame: ICRS

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	J1426 (FC3IR.im.410667)	(14) J1426+3328	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=14; SAMP-SEQ=SPARS50	GS ACQ SCENARIO BASE1B3	Pattern 1, Exps 1-1 in J1426 (14) (1)	*[==>(Pattern 1)]* *[==>(Pattern 2)]* *[==>(Pattern 3)]* *[==>(Pattern 4)]*	***[1]***

Orbit Structure



Visit

Proposal 12861, J0059 (15), implementation Tue Jul 10 01:15:42 GMT 2012

Diagnostic Status: No Diagnostics

Scientific Instruments: WFC3/IR

Special Requirements: SCHED 100%

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1)

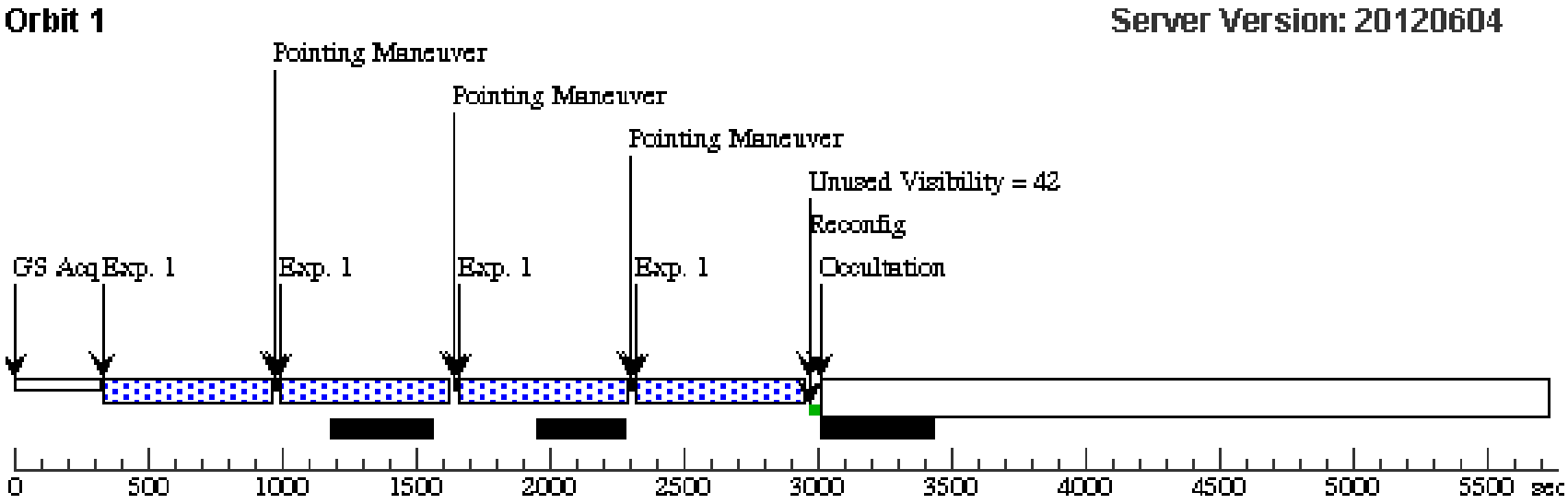
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(15)	J0059-0000	RA: 00 59 23.6300 (14.8484583d) Dec: -00 00 4.40 (-.00122d) Equinox: J2000		V=(?) r = 22.3	Reference Frame: ICRS

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	J0059 (FC3IR.im.410667)	(15) J0059-0000	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=13; SAMP-SEQ=SPARS50		Pattern 1, Exps 1-1 in J0059 (15) (1)	*[==>(Pattern 1)]* *[==>(Pattern 2)]* *[==>(Pattern 3)]* *[==>(Pattern 4)]*	***[1]***

Orbit Structure



Visit

Proposal 12861, J0012 (16), implementation Tue Jul 10 01:15:43 GMT 2012

Diagnostic Status: No Diagnostics

Scientific Instruments: WFC3/IR

Special Requirements: SCHED 100%

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1)

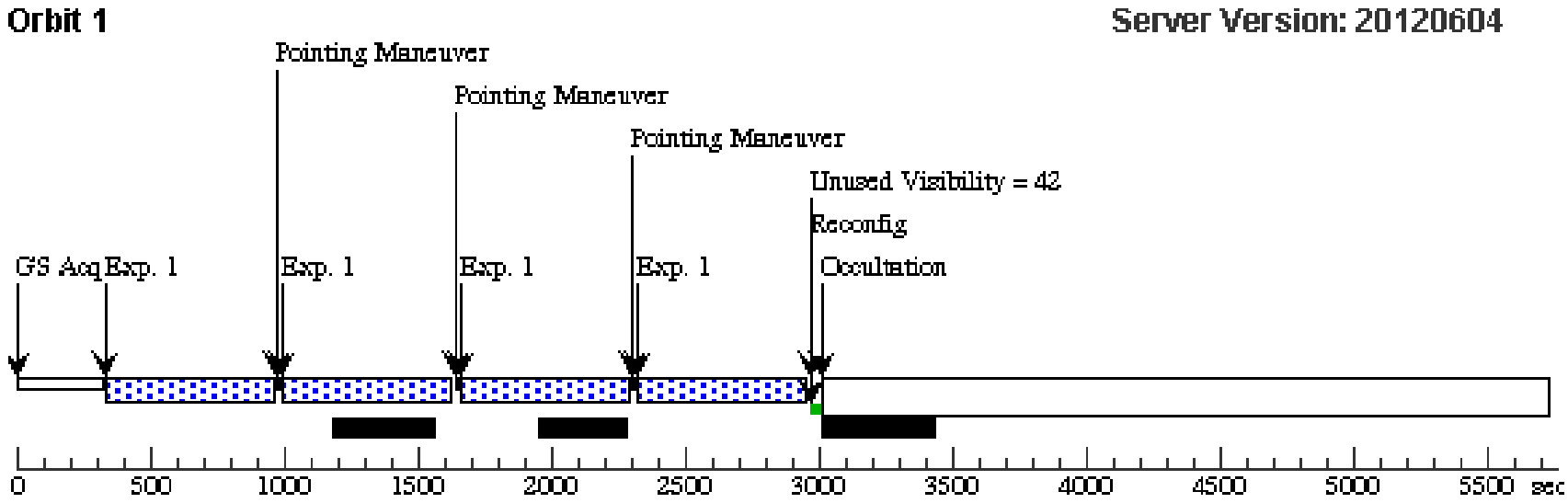
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(16)	J0012+0027	RA: 00 12 25.9500 (3.1081250d) Dec: +00 27 11.70 (.45325d) Equinox: J2000		V=(?) r = 22.4	Reference Frame: ICRS

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	J0012 (FC3IR.im.410667)	(16) J0012+0027	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=13; SAMP-SEQ=SPARS50		Pattern 1, Exps 1-1 in J0012 (16) (1)	*[==>(Pattern 1)]* *[==>(Pattern 2)]* *[==>(Pattern 3)]* *[==>(Pattern 4)]*	***[1]***

Orbit Structure



Visit

Proposal 12861, J0132 (17), implementation Tue Jul 10 01:15:44 GMT 2012

Diagnostic Status: No Diagnostics

Scientific Instruments: WFC3/IR

Special Requirements: SCHED 100%

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1)

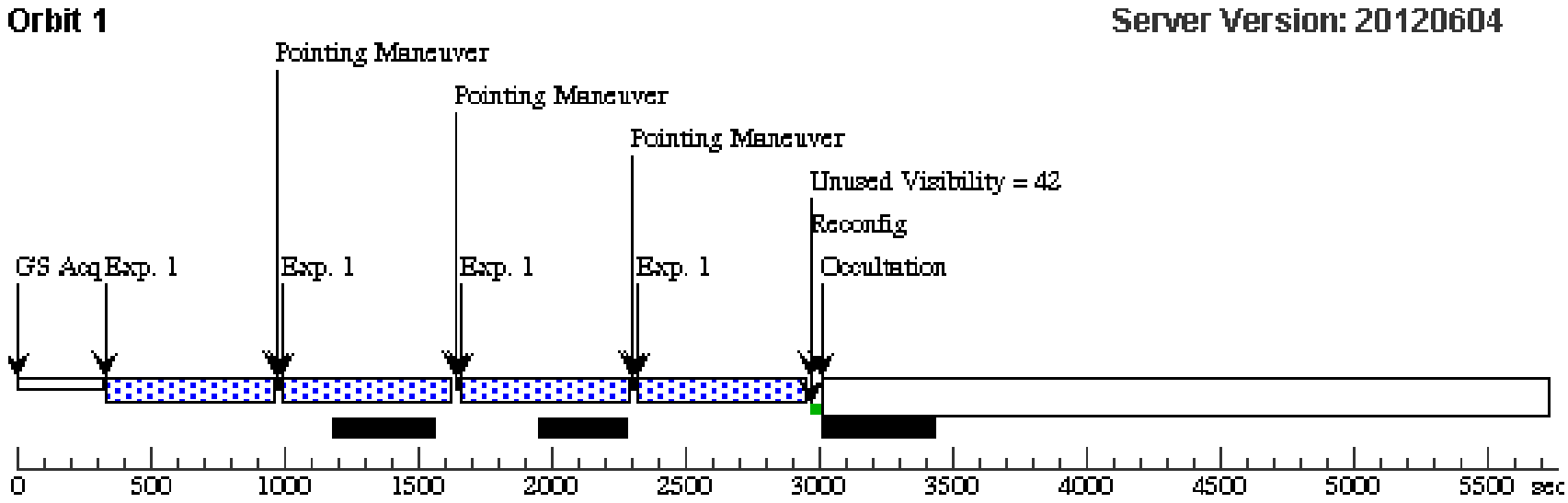
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(17)	J0132+0026	RA: 01 32 51.9400 (23.2164167d) Dec: +00 26 23.40 (.43983d) Equinox: J2000		V=(?) r = 22.5	Reference Frame: ICRS

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	J0132 (FC3IR.im.410667)	(17) J0132+0026	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=13; SAMP-SEQ=SPARS50		Pattern 1, Exps 1-1 in J0132 (17) (1)	*[==>(Pattern 1)]* *[==>(Pattern 2)]* *[==>(Pattern 3)]* *[==>(Pattern 4)]*	*[1]*

Orbit Structure



Visit

Proposal 12861, J0021 (18), implementation Tue Jul 10 01:15:45 GMT 2012

Diagnostic Status: No Diagnostics

Scientific Instruments: WFC3/IR

Special Requirements: SCHED 100%

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1)

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(18)	J0021+0042	RA: 00 21 56.7200 (5.4863333d) Dec: +00 42 44.20 (.71228d) Equinox: J2000		V=(?) r = 22.5	Reference Frame: ICRS

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	J0021 (FC3IR.im.410667)	(18) J0021+0042	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=13; SAMP-SEQ=SPARS50		Pattern 1, Exps 1-1 in J0021 (18) (1)	*[==>(Pattern 1)]* *[==>(Pattern 2)]* *[==>(Pattern 3)]* *[==>(Pattern 4)]*	***[1]***

Orbit Structure