



12616 - Near-IR Imaging of the Most Distant Spectroscopically-Confirmed Galaxies in the Subaru Deep Field

Cycle: 19, Proposal Category: GO

(Availability Mode: SUPPORTED)

INVESTIGATORS

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VISITS

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(1) SDF11	WFC3/IR	4	30-Jun-2011 21:24:48.0	yes
02	(2) SDF12	WFC3/IR	4	30-Jun-2011 21:24:55.0	yes
03	(3) SDF13	WFC3/IR	4	30-Jun-2011 21:25:03.0	yes
04	(4) SDF14	WFC3/IR	4	30-Jun-2011 21:25:10.0	yes
05	(5) SDF15	WFC3/IR	4	30-Jun-2011 21:25:15.0	yes
06	(6) SDF16	WFC3/IR	4	30-Jun-2011 21:25:21.0	yes
07	(7) SDF21	WFC3/IR	2	30-Jun-2011 21:25:26.0	yes
08	(8) SDF22	WFC3/IR	2	30-Jun-2011 21:25:33.0	yes
09	(9) SDF23	WFC3/IR	2	30-Jun-2011 21:25:38.0	yes
10	(10) SDF24	WFC3/IR	2	30-Jun-2011 21:25:43.0	yes
11	(11) SDF25	WFC3/IR	2	30-Jun-2011 21:25:48.0	yes

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
12	(12) SDF26	WFC3/IR	2	30-Jun-2011 21:25:53.0	yes

36 Total Orbits Used

ABSTRACT

The last decade saw great progress in our understanding of the distant Universe as a number of objects at $z > 6$ were discovered. In particular, with the power of the HST WFC3/IR camera, galaxies and galaxy candidates at $z > 6$ (up to 10) are being routinely found. However, we still know very little about their physical properties due to a lack of a large and bright galaxy sample with secure redshifts. Here we propose to carry out HST/WFC3 near-IR imaging of a large sample of spectroscopically-confirmed galaxies at $5.7 < z < 7$ in the Subaru Deep Field (SDF). SDF is unique: it covers more than 800 sq arcmin; it has the deepest optical images among all ground-based imaging data; it has the largest sample of spectroscopically-confirmed galaxies at $z \geq 6$ so far; it also has deep IRAC (~ 6 hours) coverage from our Spitzer programs. From the proposed observations and our previous HST programs, we will obtain high-quality near-IR data (rest-frame UV) for about 60 galaxies. The near-IR data is the key to measure the properties of young stellar populations, while the IRAC data constrains mature populations. Using SED modeling with spectroscopic redshifts, we will be able to fully characterize the physical properties of these galaxies and obtain accurate information of age and stellar mass etc. We will also address the physical difference or similarity between Lyman alpha emitters and Lyman break galaxies at $z \geq 6$. All these help us to understand the earliest galaxy formation and evolution and the galaxy contribution to cosmic reionization. Our WFC3 data will enable many other sciences, such as galaxy morphology at $z \geq 6$ and search of bright galaxies at $z > 7$.

OBSERVING DESCRIPTION

Our observing strategy is straightforward (simply broad-band photometry). We will observe more than 40 spectroscopically confirmed galaxies at $z \geq 6$ in the Subaru Deep Field (13h274m, 27d30m) with 12 HST pointings. Each pointing will be observed in two WFC3 bands F125W and F160W, with one or two orbits per band. According to our existing WFC3 data, these galaxies likely span a large magnitude range of $25 < J_{AB} < 27$, but WFC3 is able to detect the faintest ones with two-orbit integration. The integration of each object per band will be broken into four individual exposures with sub-pixel dithering, to improve PSF and to remove bad pixels and CRs. These galaxies were chosen so that all of them can be observed within 12 HST pointings regardless of rolling angles (with fixed coordinates). We do not have any scheduling constraints or special requirements.

REAL TIME JUSTIFICATION

None.

CALIBRATION JUSTIFICATION

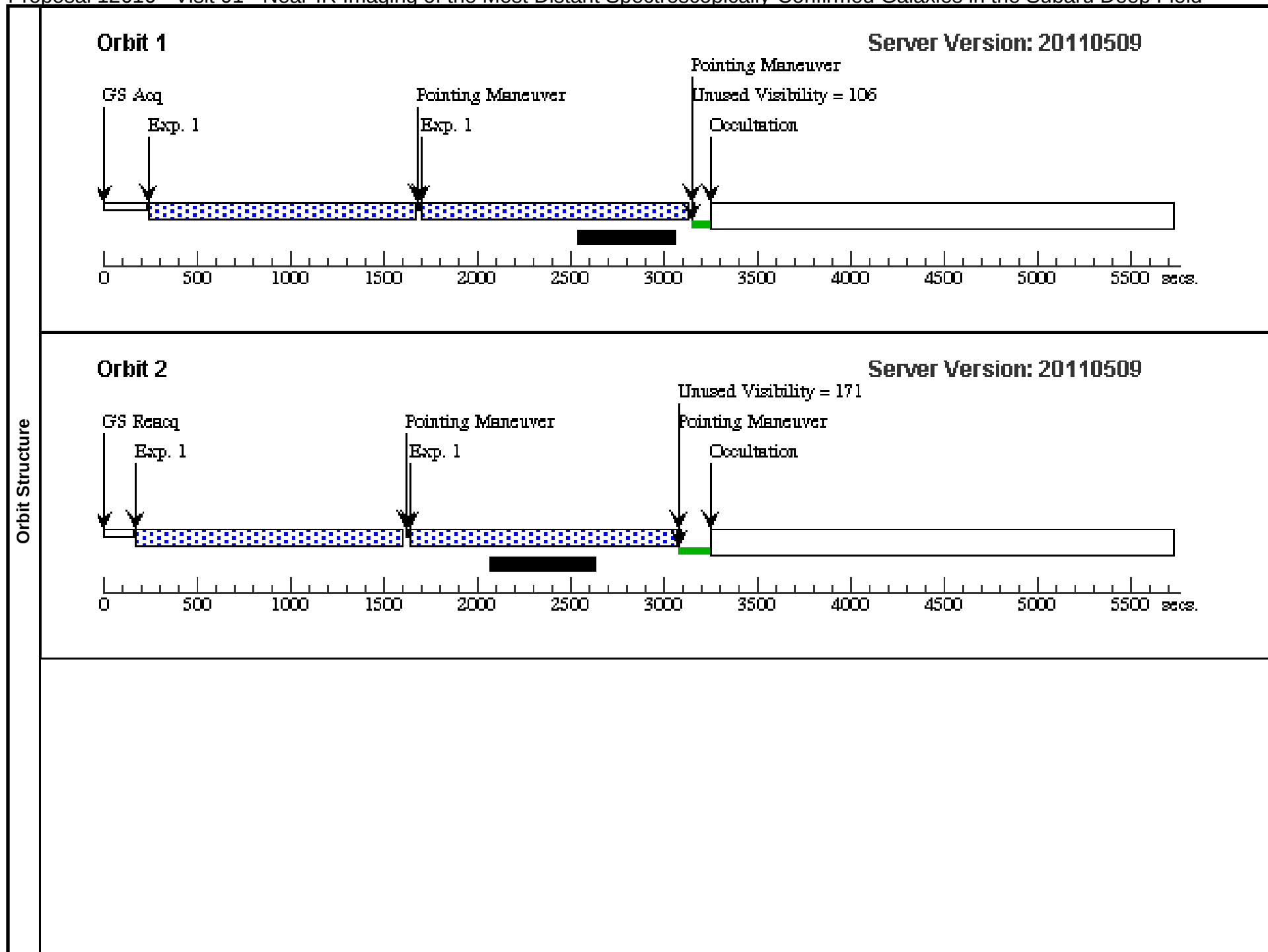
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ADDITIONAL COMMENTS

None.

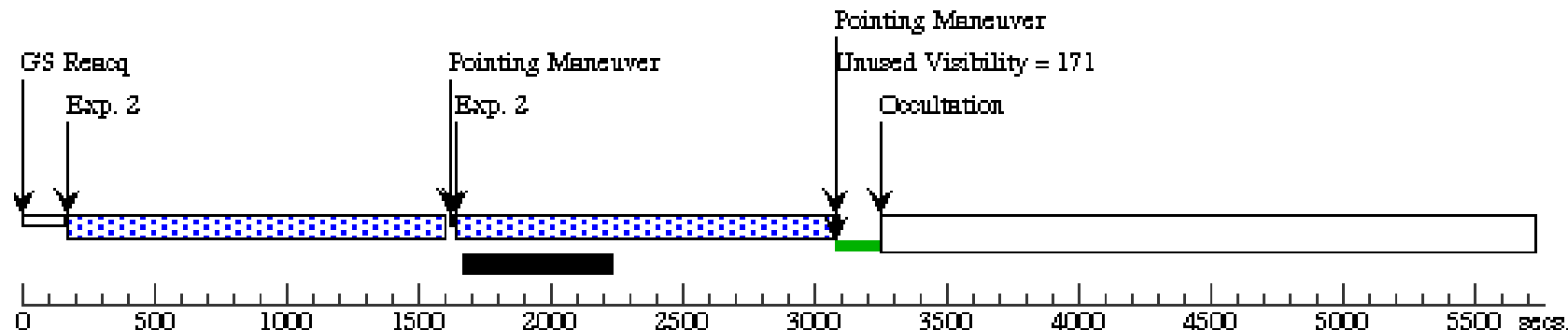
Proposal 12616 - Visit 01 - Near-IR Imaging of the Most Distant Spectroscopically-Confirmed Galaxies in the Subaru Deep Field

Visit	Proposal 12616, Visit 01, implementation Fri Jul 01 01:25:59 GMT 2011									
	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), (2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(1)	SDF11	RA: 13 24 15.6300 (201.0651250d) Dec: +27 41 34.59 (27.69294d) Equinox: J2000		Redshift: 6		V=(?) J = 25-27 AB mag		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(1) SDF11	WFC3/IR, MULTIACCUM, IR-FIX	F125W	NSAMP=15; SAMP-SEQ=SPAR S100	GS ACQ SCENARI O SINGLE	Pattern 1, Exps 1-1 i n Visit 01 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1] [2]
	2		(1) SDF11	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=15; SAMP-SEQ=SPAR S100		Pattern 1, Exps 2-2 i n Visit 01 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[3] [4]



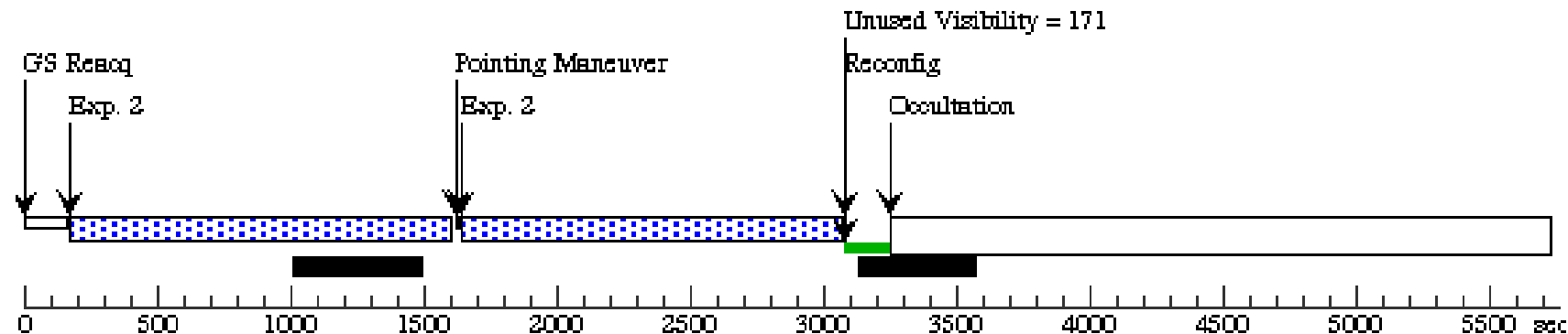
Orbit 3

Server Version: 20110509



Orbit 4

Server Version: 20110509

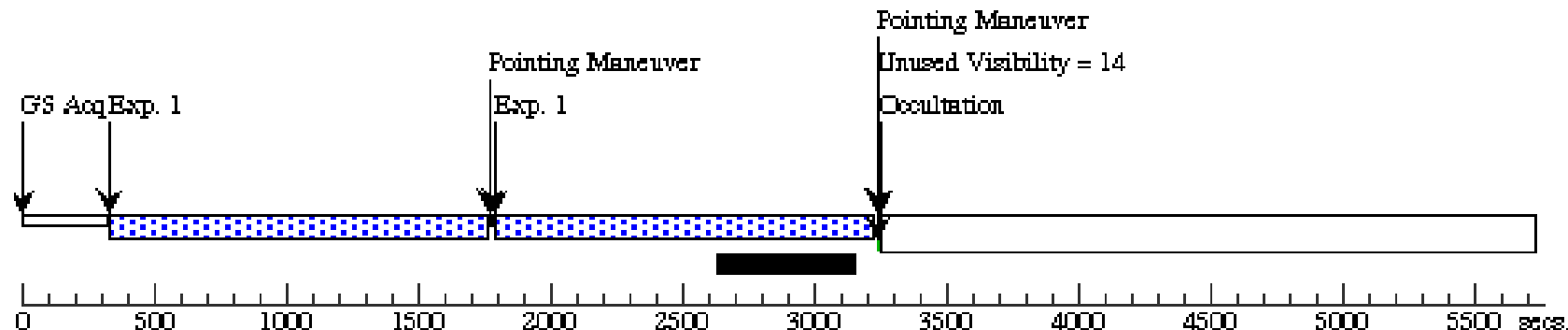


Proposal 12616 - Visit 02 - Near-IR Imaging of the Most Distant Spectroscopically-Confirmed Galaxies in the Subaru Deep Field

Visit	Proposal 12616, Visit 02, implementation Fri Jul 01 01:26:00 GMT 2011									
	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), (2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(2)	SDF12	RA: 13 23 46.6500 (200.9443750d) Dec: +27 32 17.35 (27.53815d) Equinox: J2000		Redshift: 6		V=(?) J = 25-27 AB mag		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(2) SDF12	WFC3/IR, MULTIACCUM, IR-FIX	F125W	NSAMP=15; SAMP-SEQ=SPAR S100	GS ACQ SCENARI O BASE1B3	Pattern 1, Exps 1-1 i n Visit 02 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1] [2]
	2		(2) SDF12	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=15; SAMP-SEQ=SPAR S100		Pattern 1, Exps 2-2 i n Visit 02 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[3] [4]

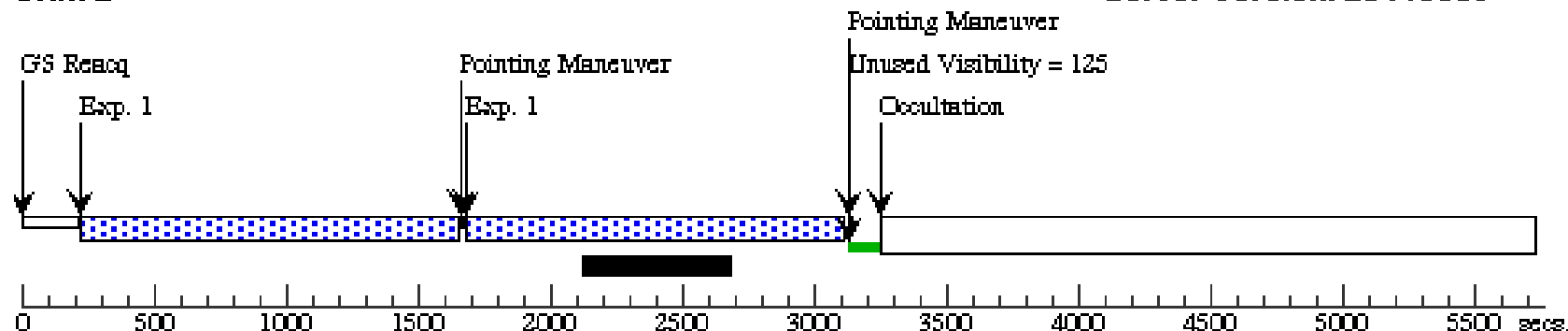
Orbit 1

Server Version: 20110509



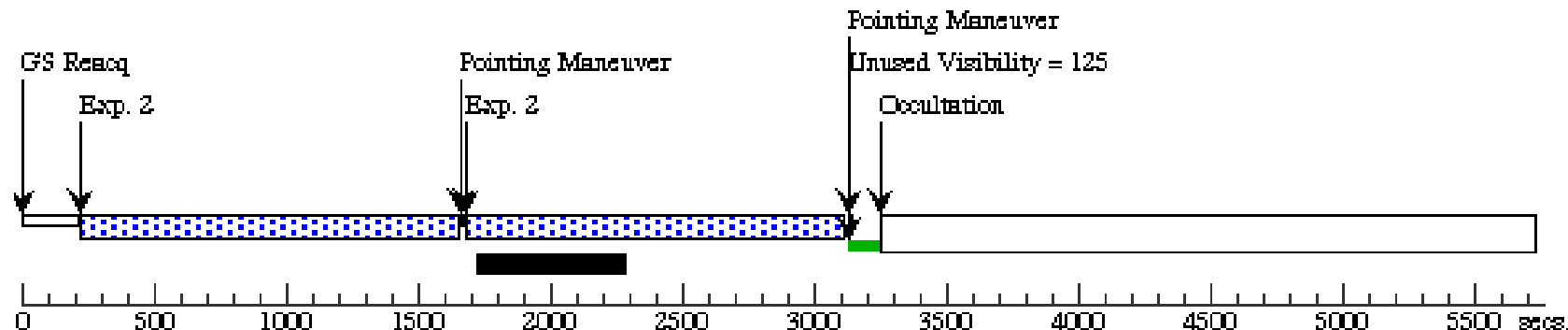
Orbit 2

Server Version: 20110509



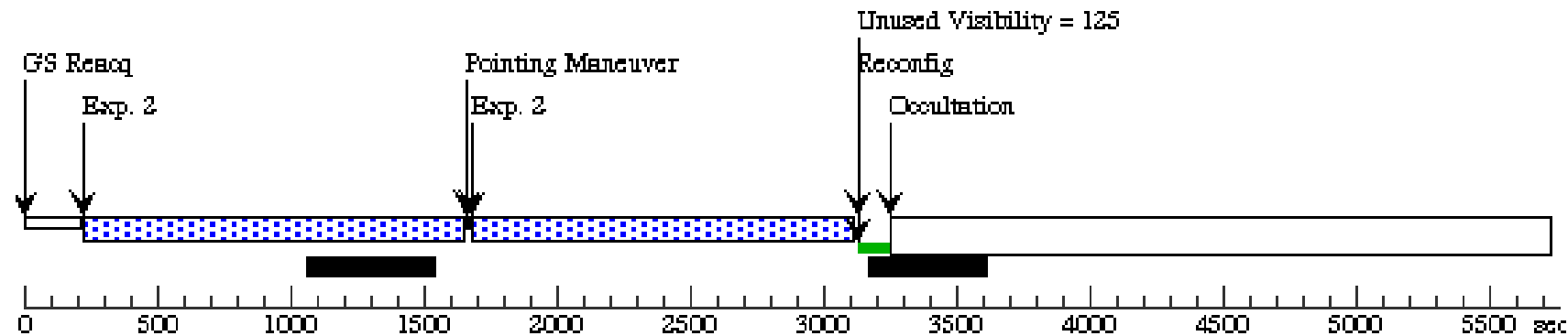
Orbit 3

Server Version: 20110509



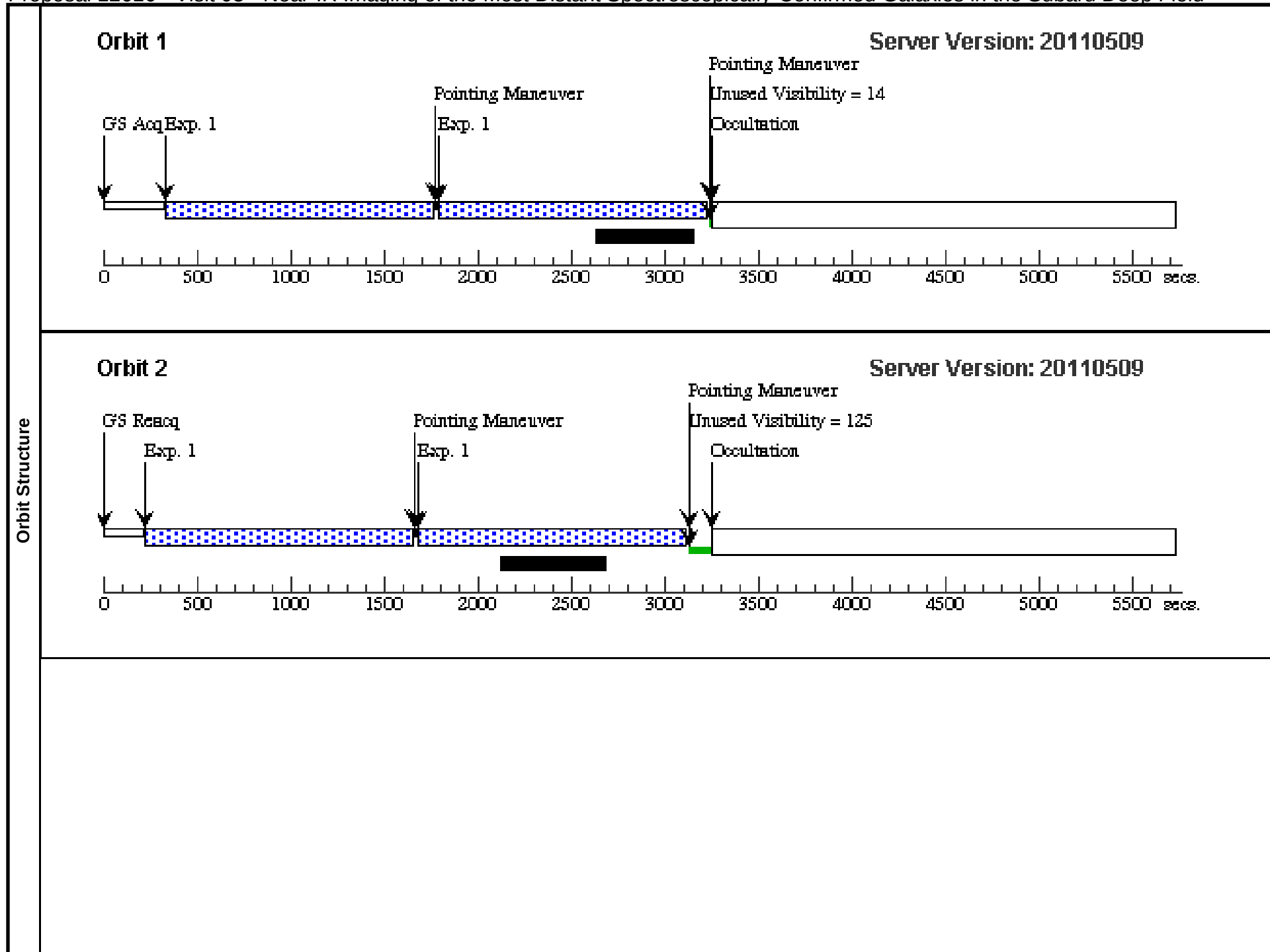
Orbit 4

Server Version: 20110509



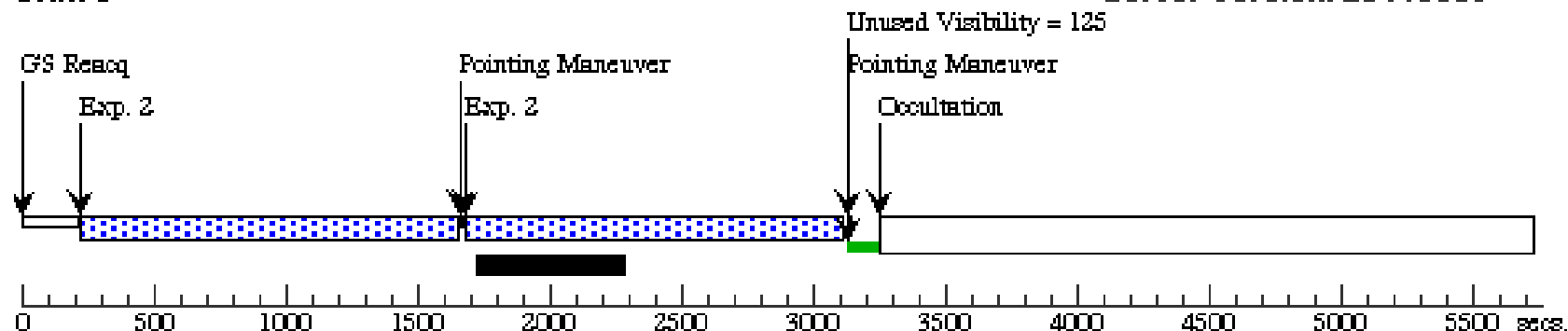
Proposal 12616 - Visit 03 - Near-IR Imaging of the Most Distant Spectroscopically-Confirmed Galaxies in the Subaru Deep Field

Visit	Proposal 12616, Visit 03, implementation Fri Jul 01 01:26:00 GMT 2011									
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)									
Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
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Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(3)	SDF13	RA: 13 24 34.7000 (201.1445833d) Dec: +27 40 26.70 (27.67408d) Equinox: J2000		Redshift: 6		V=(?) J = 25-27 AB mag		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(3) SDF13	WFC3/IR, MULTIACCUM, IR-FIX	F125W	NSAMP=15; SAMP-SEQ=SPAR S100	GS ACQ SCENARI O BASE1B3	Pattern 1, Exps 1-1 i n Visit 03 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1] [2]
	2		(3) SDF13	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=15; SAMP-SEQ=SPAR S100		Pattern 1, Exps 2-2 i n Visit 03 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[3] [4]



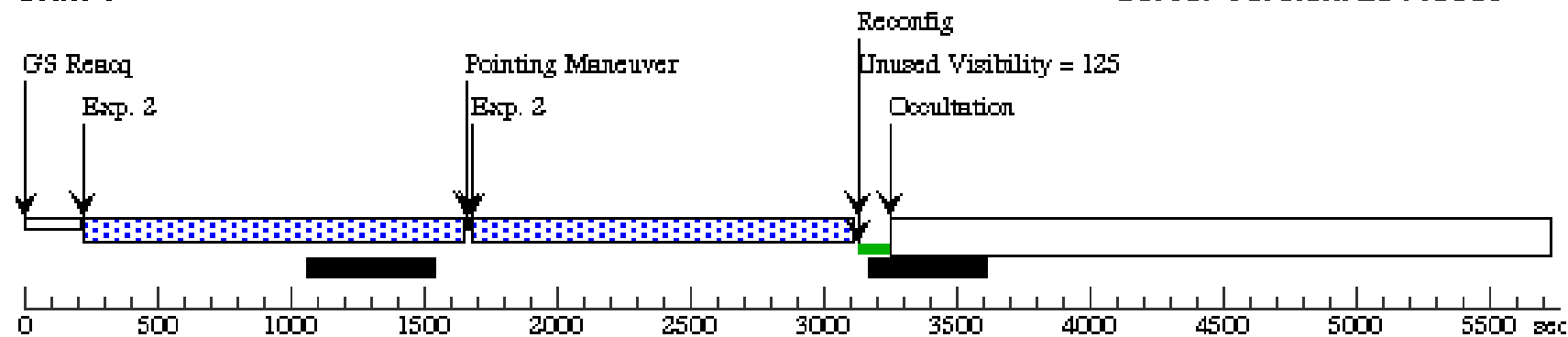
Orbit 3

Server Version: 20110509



Orbit 4

Server Version: 20110509

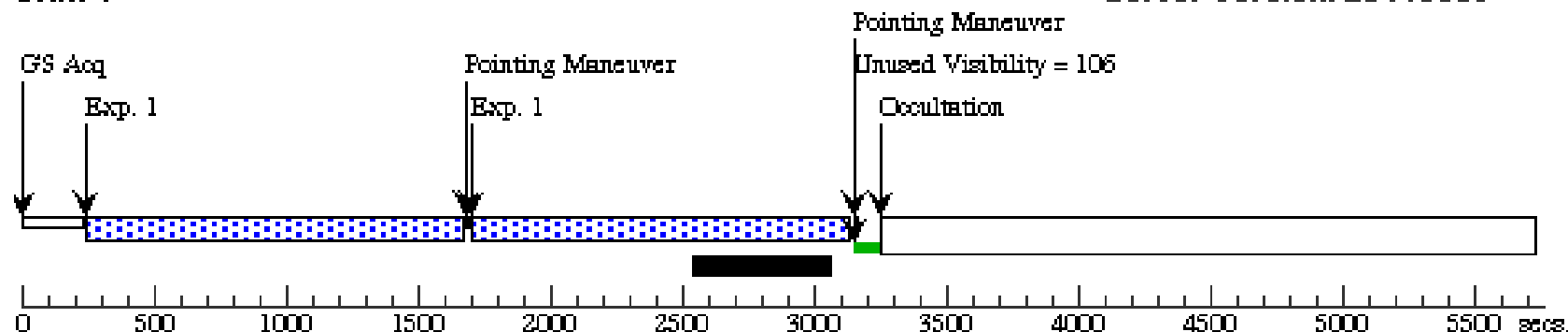


Proposal 12616 - Visit 04 - Near-IR Imaging of the Most Distant Spectroscopically-Confirmed Galaxies in the Subaru Deep Field

Visit	Proposal 12616, Visit 04, implementation Fri Jul 01 01:26:01 GMT 2011									
	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), (2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(4)	SDF14	RA: 13 24 9.0910 (201.0378792d) Dec: +27 19 16.51 (27.32125d) Equinox: J2000		Redshift: 6		V=(?) J = 25-27 AB mag		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(4) SDF14	WFC3/IR, MULTIACCUM, IR-FIX	F125W	NSAMP=15; SAMP-SEQ=SPAR S100	GS ACQ SCENARI O SINGLE	Pattern 1, Exps 1-1 i n Visit 04 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1] [2]
	2		(4) SDF14	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=15; SAMP-SEQ=SPAR S100		Pattern 1, Exps 2-2 i n Visit 04 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[3] [4]

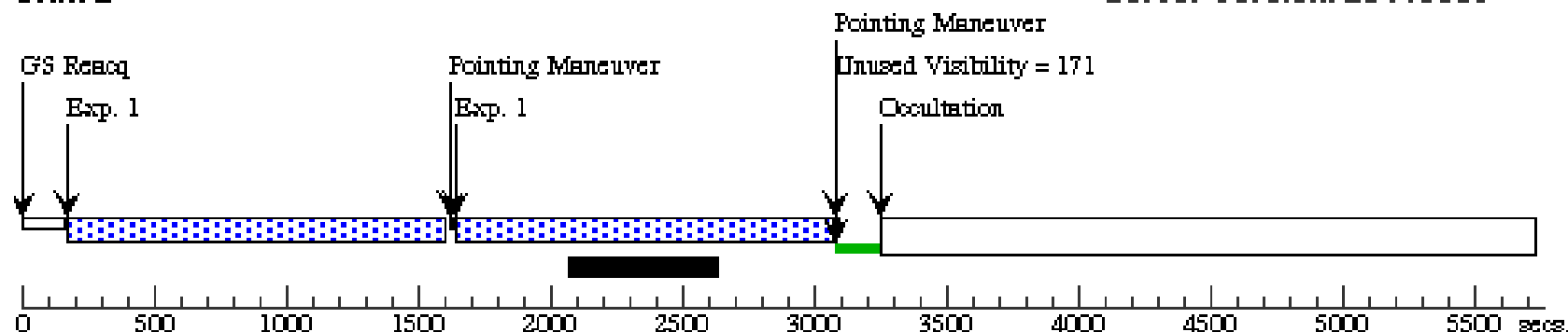
Orbit 1

Server Version: 20110509



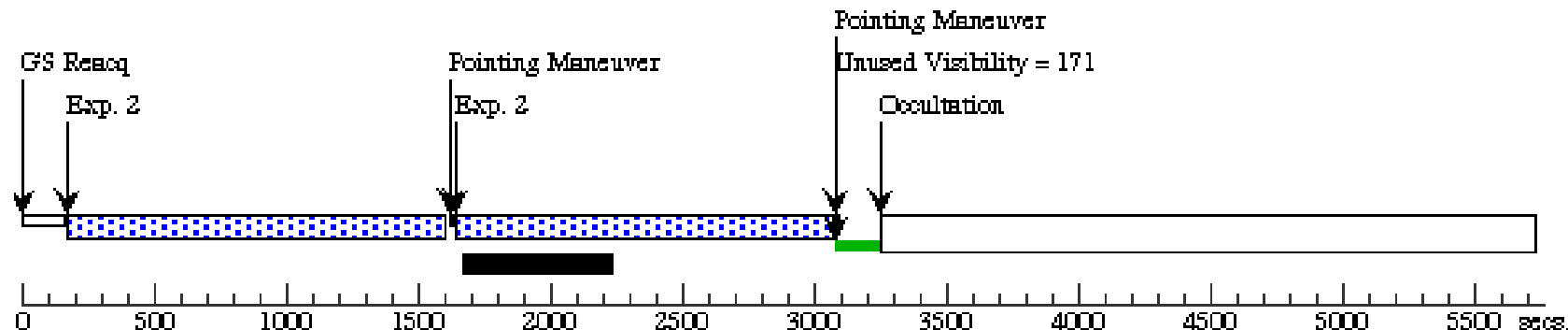
Orbit 2

Server Version: 20110509



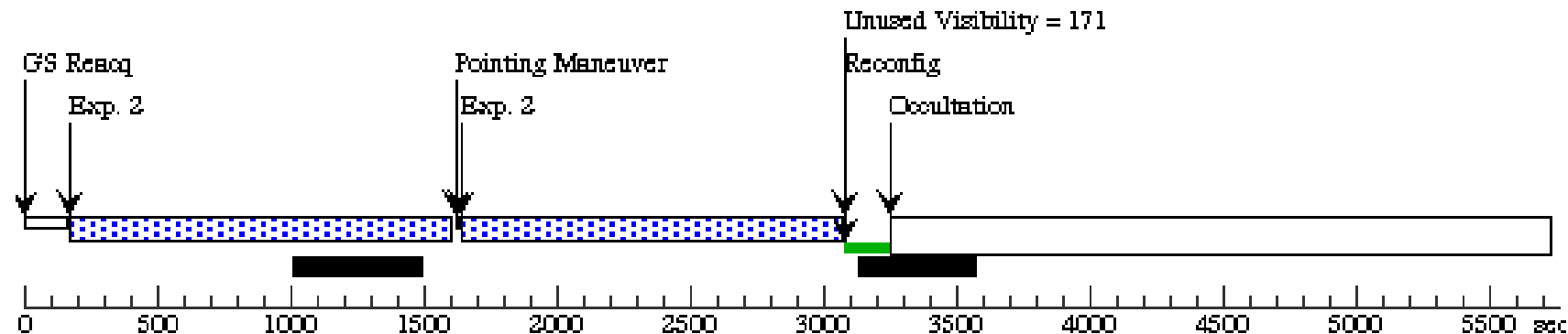
Orbit 3

Server Version: 20110509



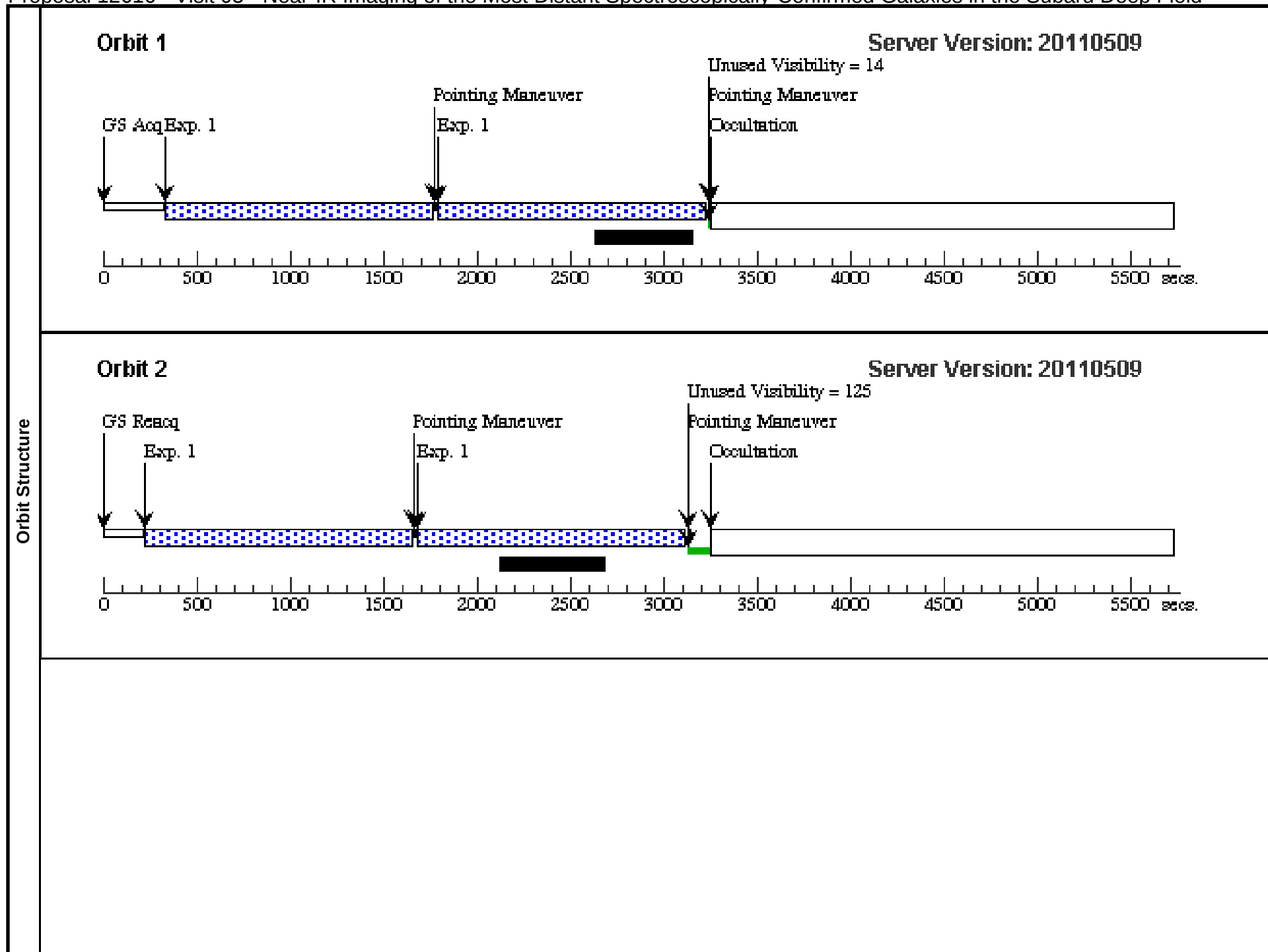
Orbit 4

Server Version: 20110509



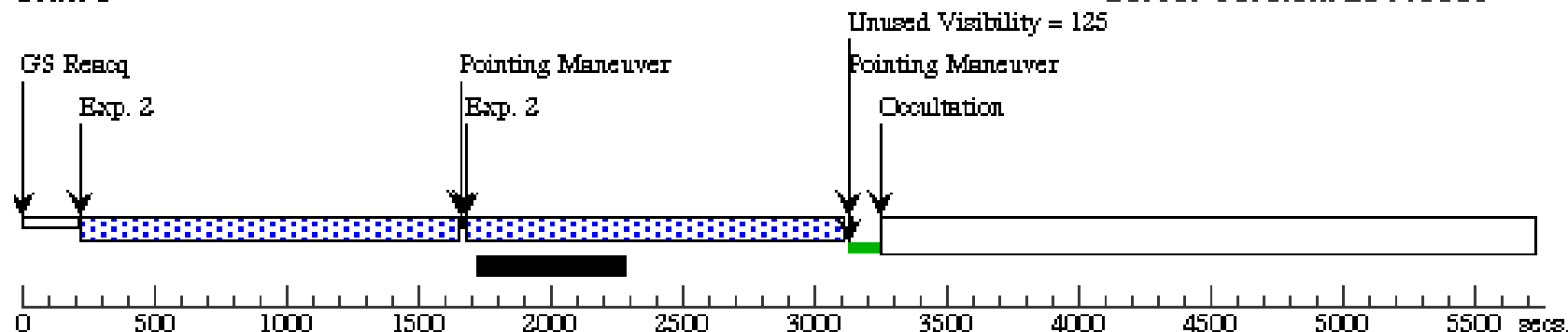
Proposal 12616 - Visit 05 - Near-IR Imaging of the Most Distant Spectroscopically-Confirmed Galaxies in the Subaru Deep Field

Visit	Proposal 12616, Visit 05, implementation Fri Jul 01 01:26:02 GMT 2011									
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)									
Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
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Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(5)	SDF15	RA: 13 24 37.8360 (201.1576500d) Dec: +27 14 6.96 (27.23527d) Equinox: J2000		Redshift: 6		V=(?) J = 25-27 AB mag		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(5) SDF15	WFC3/IR, MULTIACCUM, IR-FIX	F125W	NSAMP=15; SAMP-SEQ=SPAR S100	GS ACQ SCENARI O BASE1B3	Pattern 1, Exps 1-1 i n Visit 05 (1)	[==>(Pattern 1)]	[1]
									[==>(Pattern 2)]	
									[==>(Pattern 3)]	
									[==>(Pattern 4)]	
	2		(5) SDF15	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=15; SAMP-SEQ=SPAR S100		Pattern 1, Exps 2-2 i n Visit 05 (1)	[==>(Pattern 1)]	[3]
									[==>(Pattern 2)]	
									[==>(Pattern 3)]	
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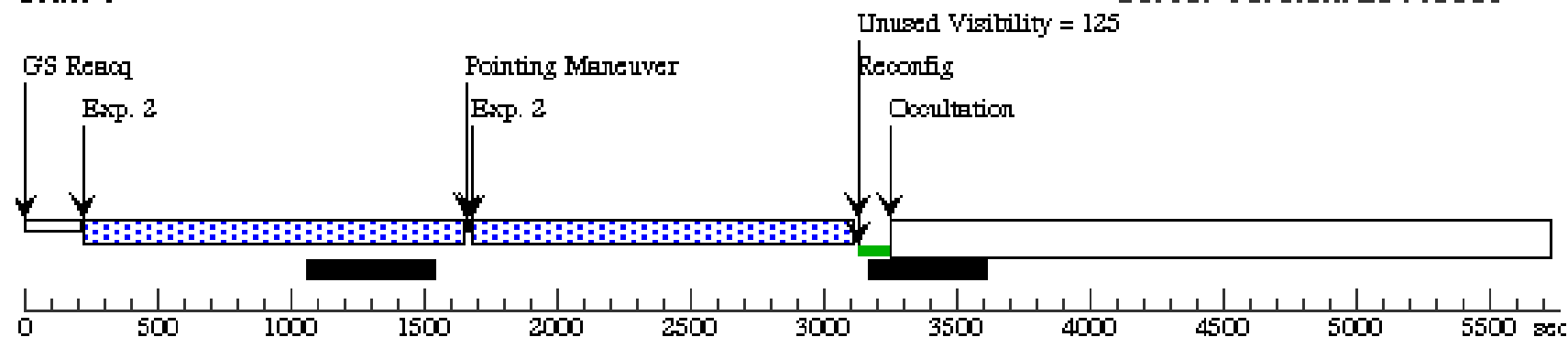
Orbit 3

Server Version: 20110509



Orbit 4

Server Version: 20110509

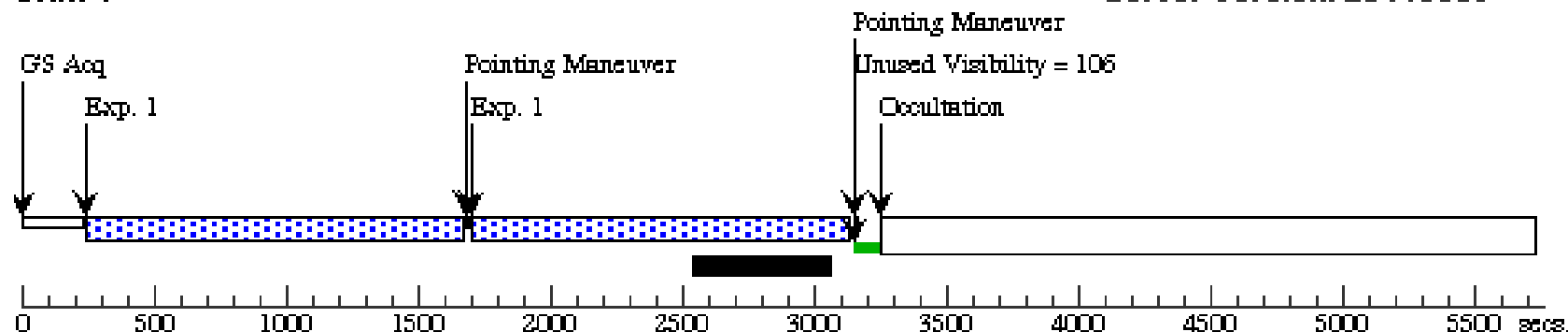


Proposal 12616 - Visit 06 - Near-IR Imaging of the Most Distant Spectroscopically-Confirmed Galaxies in the Subaru Deep Field

Visit	Proposal 12616, Visit 06, implementation Fri Jul 01 01:26:02 GMT 2011									
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)									
Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
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Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(6)	SDF16	RA: 13 23 50.7670 (200.9615292d) Dec: +27 16 1.86 (27.26718d) Equinox: J2000		Redshift: 6		V=(?) J = 25-27 AB mag		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(6) SDF16	WFC3/IR, MULTIACCUM, IR-FIX	F125W	NSAMP=15; SAMP-SEQ=SPAR S100	GS ACQ SCENARI O SINGLE	Pattern 1, Exps 1-1 i n Visit 06 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1] [2]
	2		(6) SDF16	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=15; SAMP-SEQ=SPAR S100		Pattern 1, Exps 2-2 i n Visit 06 (1)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[3] [4]

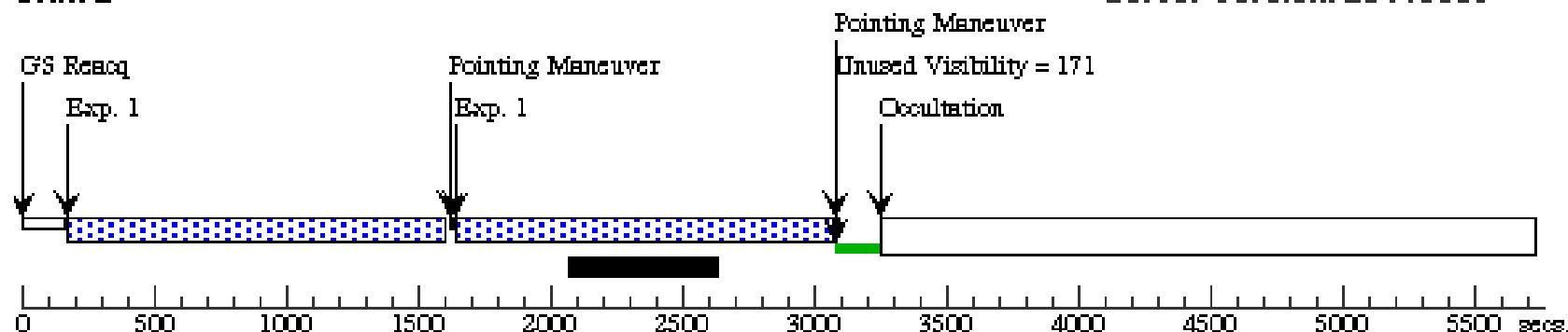
Orbit 1

Server Version: 20110509



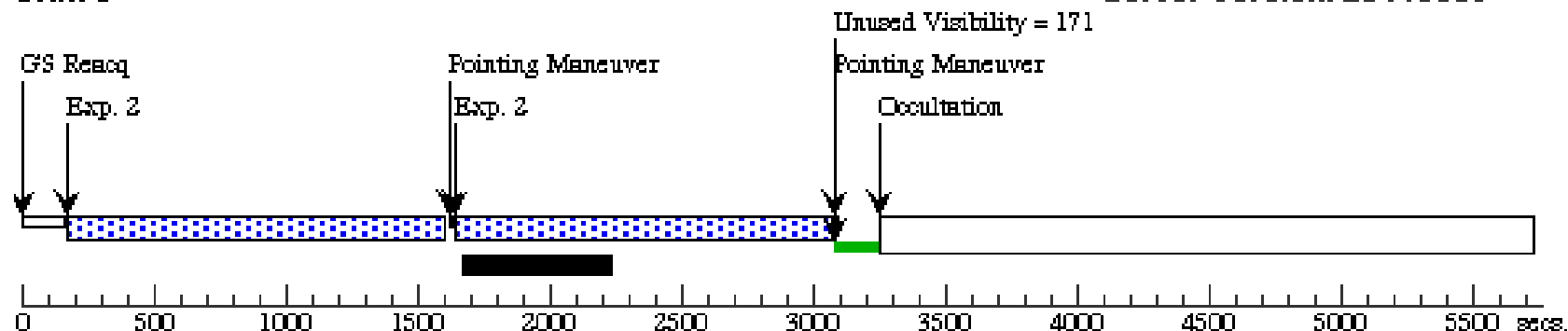
Orbit 2

Server Version: 20110509



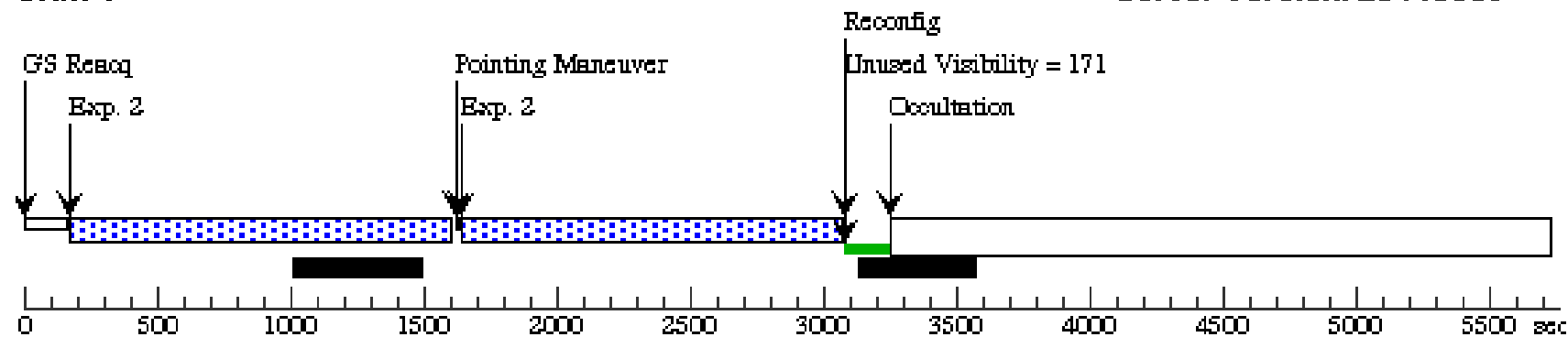
Orbit 3

Server Version: 20110509



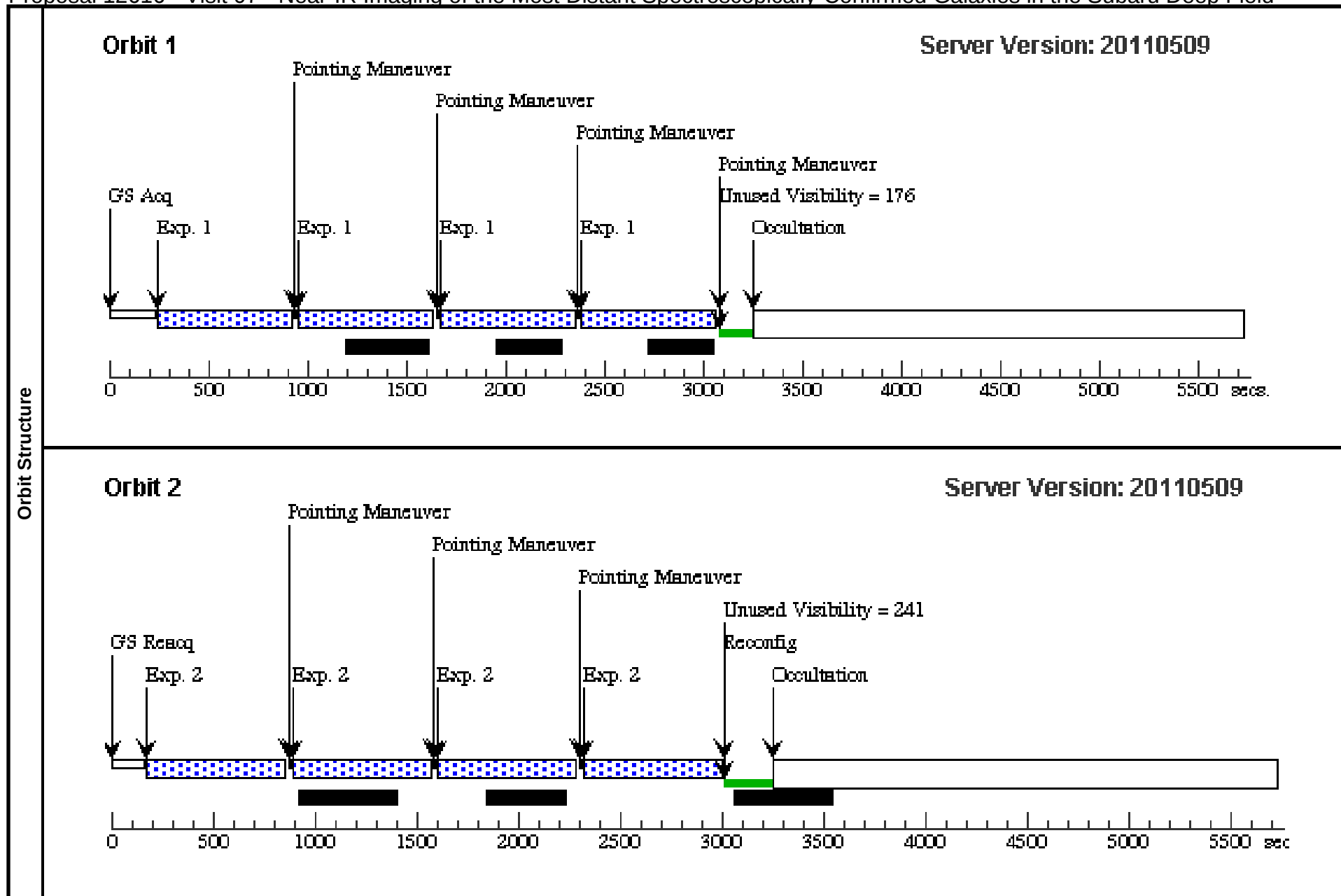
Orbit 4

Server Version: 20110509



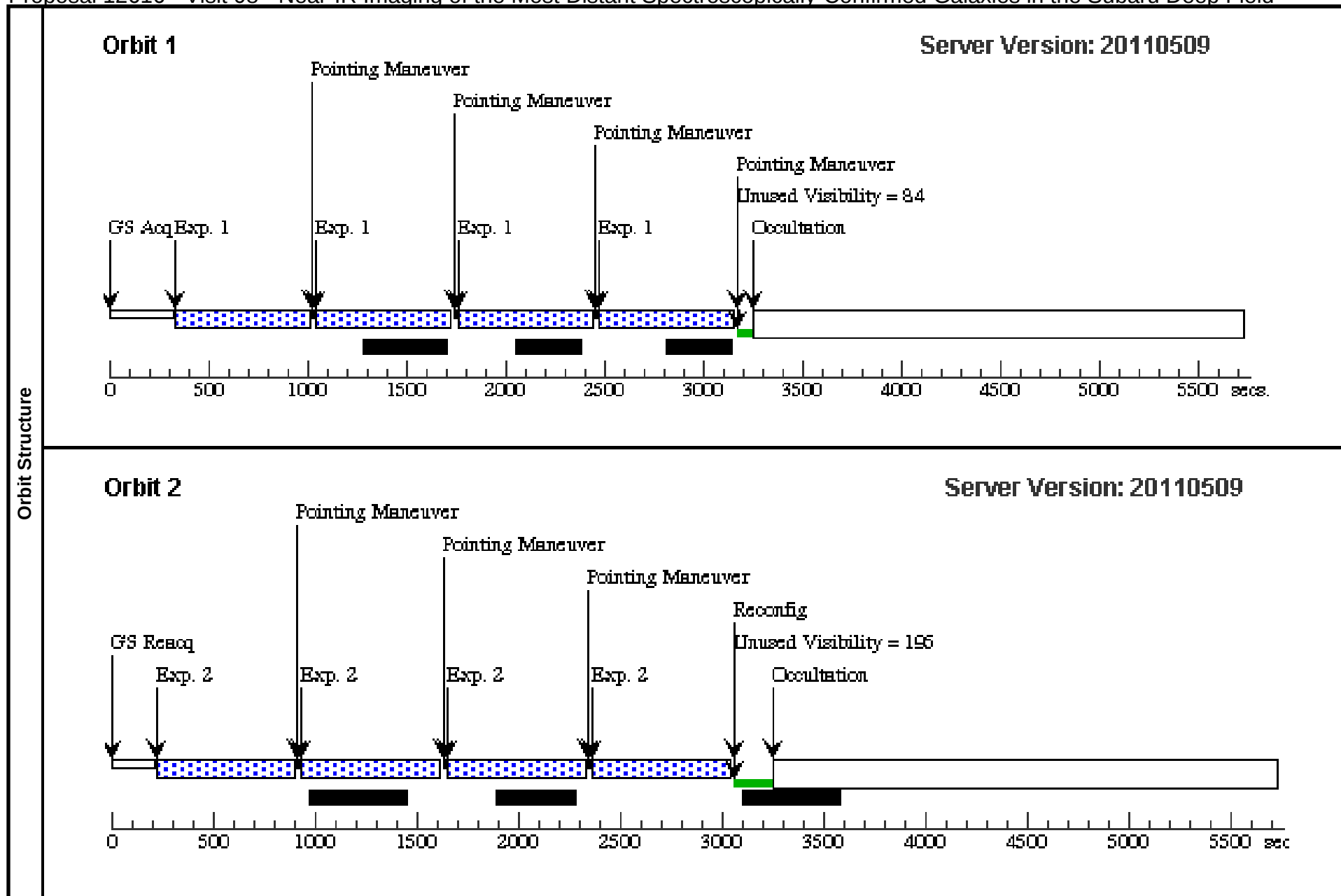
Proposal 12616 - Visit 07 - Near-IR Imaging of the Most Distant Spectroscopically-Confirmed Galaxies in the Subaru Deep Field

Visit	Proposal 12616, Visit 07, implementation Fri Jul 01 01:26:03 GMT 2011									
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Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
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Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(7)	SDF21	RA: 13 24 57.0000 (201.2375000d) Dec: +27 39 41.00 (27.66139d) Equinox: J2000		Redshift: 6		V=(?) J = 25-27 AB mag		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(7) SDF21	WFC3/IR, MULTIACCUM, IR-FIX	F125W	NSAMP=14; SAMP-SEQ=SPAR S50	GS ACQ SCENARI O SINGLE	Pattern 1, Exps 1-1 i n Visit 07 (1)	[= > (Pattern 1)] [= > (Pattern 2)] [= > (Pattern 3)] [= > (Pattern 4)]	[1]
	2		(7) SDF21	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=14; SAMP-SEQ=SPAR S50		Pattern 1, Exps 2-2 i n Visit 07 (1)	[= > (Pattern 1)] [= > (Pattern 2)] [= > (Pattern 3)] [= > (Pattern 4)]	[2]



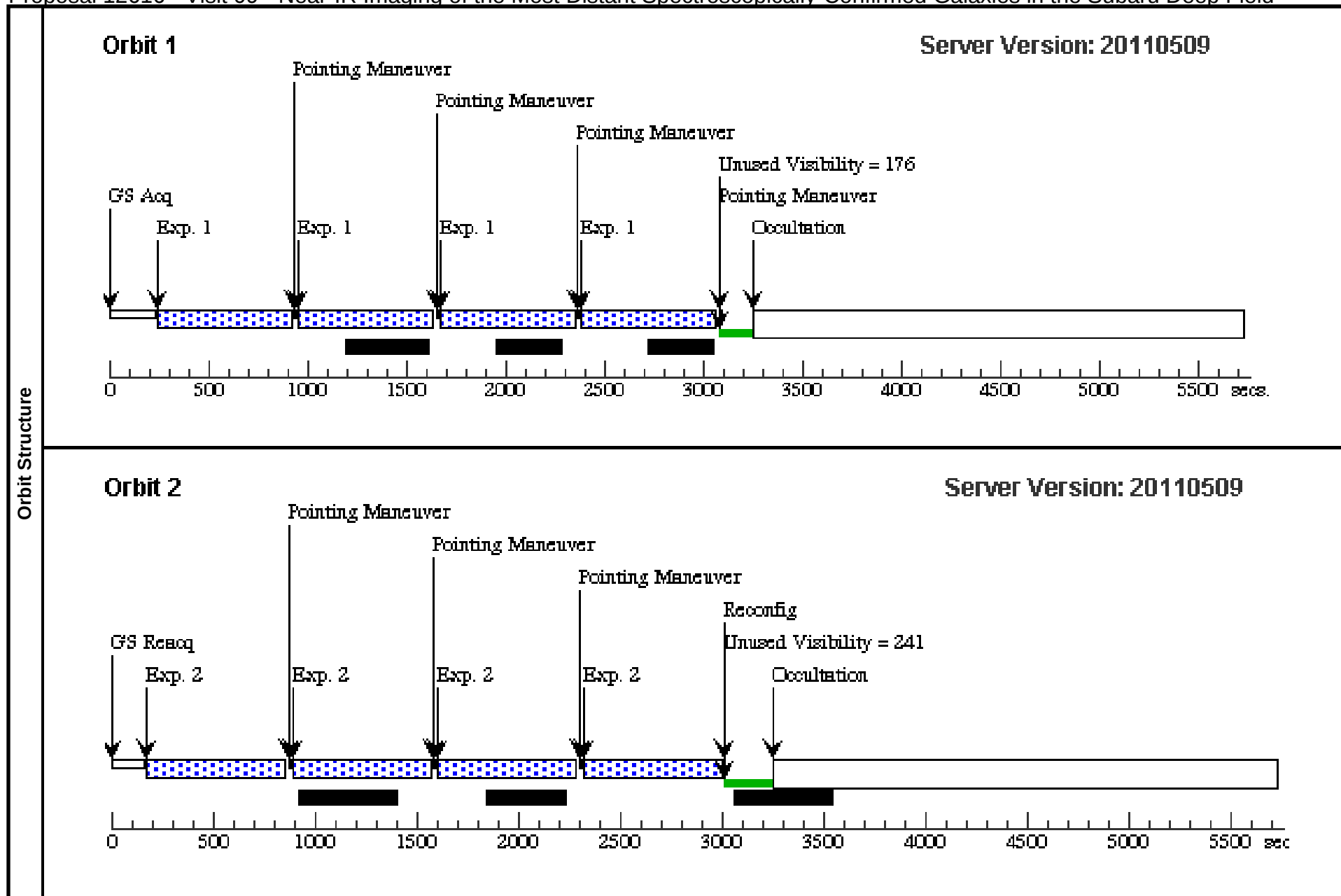
Proposal 12616 - Visit 08 - Near-IR Imaging of the Most Distant Spectroscopically-Confirmed Galaxies in the Subaru Deep Field

Visit	Proposal 12616, Visit 08, implementation Fri Jul 01 01:26:03 GMT 2011									
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)									
Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
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Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(8)	SDF22	RA: 13 24 31.0010 (201.1291708d) Dec: +27 30 18.00 (27.50500d) Equinox: J2000		Redshift: 6		V=(?) J = 25-27 AB mag		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(8) SDF22	WFC3/IR, MULTIACCUM, IR-FIX	F125W	NSAMP=14; SAMP-SEQ=SPAR S50	GS ACQ SCENARI O BASE1B3	Pattern 1, Exps 1-1 i n Visit 08 (1)	[= > (Pattern 1)] [= > (Pattern 2)] [= > (Pattern 3)] [= > (Pattern 4)]	[1]
	2		(8) SDF22	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=14; SAMP-SEQ=SPAR S50		Pattern 1, Exps 2-2 i n Visit 08 (1)	[= > (Pattern 1)] [= > (Pattern 2)] [= > (Pattern 3)] [= > (Pattern 4)]	[2]



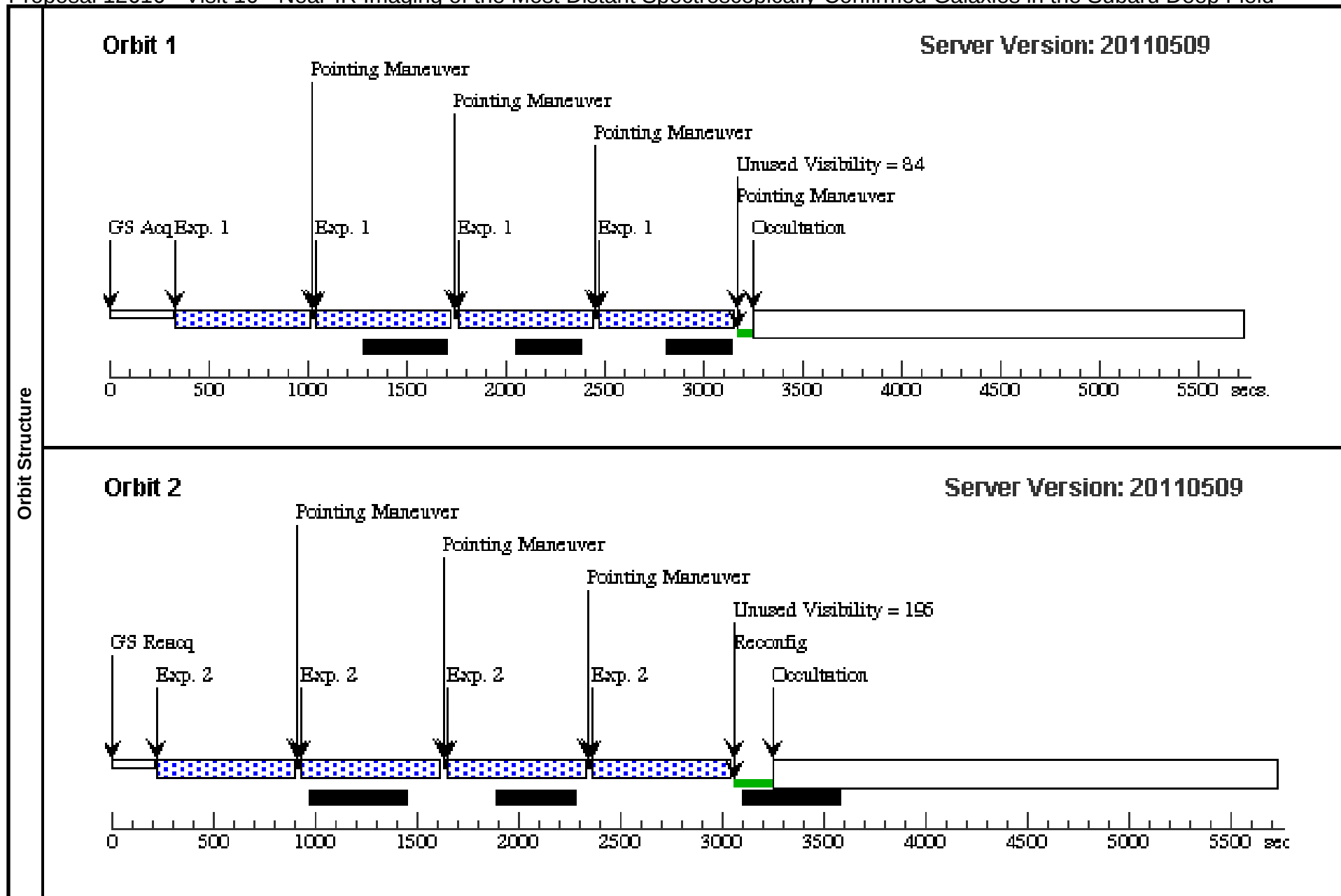
Proposal 12616 - Visit 09 - Near-IR Imaging of the Most Distant Spectroscopically-Confirmed Galaxies in the Subaru Deep Field

Visit	Proposal 12616, Visit 09, implementation Fri Jul 01 01:26:03 GMT 2011									
	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), (2)
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(9)	SDF23	RA: 13 24 41.5010 (201.1729208d) Dec: +27 26 23.00 (27.43972d) Equinox: J2000		Redshift: 6		V=(?) J = 25-27 AB mag		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(9) SDF23	WFC3/IR, MULTIACCUM, IR-FIX	F125W	NSAMP=14; SAMP-SEQ=SPAR S50	GS ACQ SCENARI O SINGLE	Pattern 1, Exps 1-1 i n Visit 09 (1)	[= > (Pattern 1)] [= > (Pattern 2)] [= > (Pattern 3)] [= > (Pattern 4)]	[1]
	2		(9) SDF23	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=14; SAMP-SEQ=SPAR S50		Pattern 1, Exps 2-2 i n Visit 09 (1)	[= > (Pattern 1)] [= > (Pattern 2)] [= > (Pattern 3)] [= > (Pattern 4)]	[2]



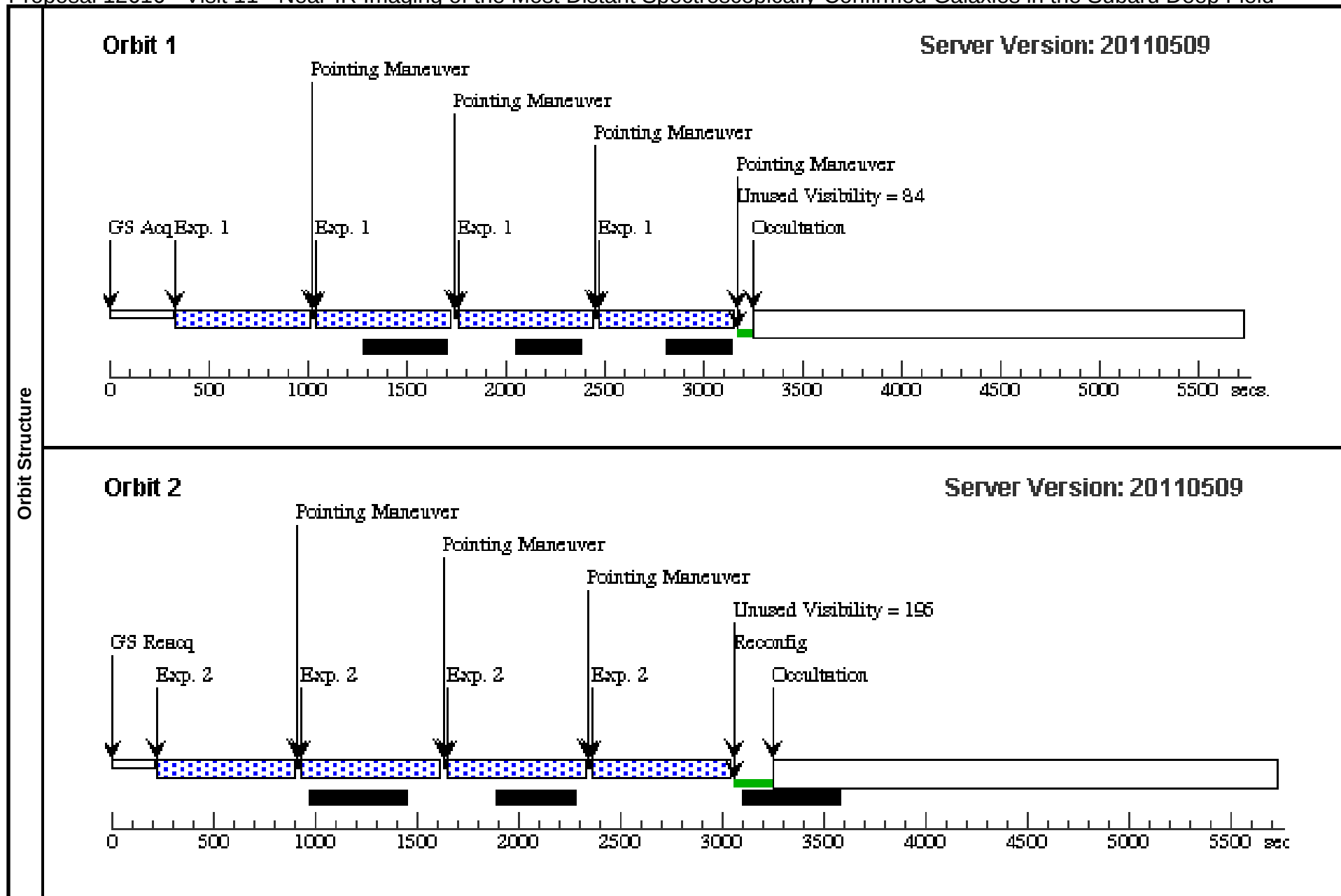
Proposal 12616 - Visit 10 - Near-IR Imaging of the Most Distant Spectroscopically-Confirmed Galaxies in the Subaru Deep Field

Visit	Proposal 12616, Visit 10, implementation Fri Jul 01 01:26:04 GMT 2011									
	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), (2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(10)	SDF24	RA: 13 23 46.0010 (200.9416708d) Dec: +27 24 36.00 (27.41000d) Equinox: J2000		Redshift: 6		V=(?) J = 25-27 AB mag		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(10) SDF24	WFC3/IR, MULTIACCUM, IR-FIX	F125W	NSAMP=14; SAMP-SEQ=SPAR S50	GS ACQ SCENARI O BASE1B3	Pattern 1, Exps 1-1 i n Visit 10 (1)	[= > (Pattern 1)] [= > (Pattern 2)] [= > (Pattern 3)] [= > (Pattern 4)]	[1]
	2		(10) SDF24	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=14; SAMP-SEQ=SPAR S50		Pattern 1, Exps 2-2 i n Visit 10 (1)	[= > (Pattern 1)] [= > (Pattern 2)] [= > (Pattern 3)] [= > (Pattern 4)]	[2]



Proposal 12616 - Visit 11 - Near-IR Imaging of the Most Distant Spectroscopically-Confirmed Galaxies in the Subaru Deep Field

Visit	Proposal 12616, Visit 11, implementation Fri Jul 01 01:26:04 GMT 2011									
	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), (2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(11)	SDF25	RA: 13 24 17.5010 (201.0729208d) Dec: +27 16 58.00 (27.28278d) Equinox: J2000		Redshift: 6		V=(?) J = 25-27 AB mag		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(11) SDF25	WFC3/IR, MULTIACCUM, IR-FIX	F125W	NSAMP=14; SAMP-SEQ=SPAR S50		Pattern 1, Exps 1-1 i n Visit 11 (1)	[= > (Pattern 1)] [= > (Pattern 2)] [= > (Pattern 3)] [= > (Pattern 4)]	[1]
	2		(11) SDF25	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=14; SAMP-SEQ=SPAR S50		Pattern 1, Exps 2-2 i n Visit 11 (1)	[= > (Pattern 1)] [= > (Pattern 2)] [= > (Pattern 3)] [= > (Pattern 4)]	[2]



Proposal 12616 - Visit 12 - Near-IR Imaging of the Most Distant Spectroscopically-Confirmed Galaxies in the Subaru Deep Field

Visit	Proposal 12616, Visit 12, implementation Fri Jul 01 01:26:04 GMT 2011 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), (2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(12)	SDF26	RA: 13 25 22.9200 (201.3455000d) Dec: +27 35 21.23 (27.58923d) Equinox: J2000		Redshift: 6		V=(?) J = 25-27 AB mag		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(12) SDF26	WFC3/IR, MULTIACCUM, IR-FIX	F125W	NSAMP=14; SAMP-SEQ=SPAR S50		Pattern 1, Exps 1-1 i n Visit 12 (1)	[= > (Pattern 1)] [= > (Pattern 2)] [= > (Pattern 3)] [= > (Pattern 4)]	[1]
	2		(12) SDF26	WFC3/IR, MULTIACCUM, IR-FIX	F160W	NSAMP=14; SAMP-SEQ=SPAR S50		Pattern 1, Exps 2-2 i n Visit 12 (1)	[= > (Pattern 1)] [= > (Pattern 2)] [= > (Pattern 3)] [= > (Pattern 4)]	[2]

