



12990 - Size Growth at the Top: WFC3 Imaging of Ultra-Massive Galaxies at $1.5 < z < 3$

Cycle: 20, Proposal Category: GO
(Availability Mode: SUPPORTED)

INVESTIGATORS

<i>Name</i>	<i>Institution</i>	<i>E-Mail</i>
Dr. Adam Muzzin (PI) (ESA Member) (Contact)	Sterrewacht Leiden	muzzin@strw.leidenuniv.nl
Dr. Danilo Marchesini (CoI) (AdminUSPI)	Tufts University	danilo.marchesini@tufts.edu
Prof. Pieter van Dokkum (CoI)	Yale University	pieter.vandokkum@yale.edu
Prof. Marijn Franx (CoI) (ESA Member)	Universiteit Leiden	franx@strw.leidenuniv.nl
Dr. Gabriel Brammer (CoI) (ESA Member)	European Southern Observatory - Chile	gbrammer@eso.org
Dr. David Wake (CoI)	Yale University	david.wake@yale.edu
Mr. Daniel Szomoru (CoI) (ESA Member)	Sterrewacht Leiden	szomoru@strw.leidenuniv.nl
Dr. Katherine E. Whitaker (CoI)	NASA Goddard Space Flight Center	kate.whitaker@nasa.gov

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	(2) COSMOS-51726 (3) COSMOS-53395	WFC3/IR	1	16-Jul-2013 21:01:55.0	yes
02	(9) COSMOS-189978 (12) COSMOS-230111	WFC3/IR	1	16-Jul-2013 21:02:07.0	yes
03	(21) CFHTD4-31678 (23) CFHTD4-39098	WFC3/IR	1	16-Jul-2013 21:02:18.0	yes
04	(22) CFHTD4-32377 (24) CFHTD4-38902	WFC3/IR	1	16-Jul-2013 21:02:28.0	yes

Proposal 12990 (STScI Edit Number: 7, Created: Tuesday, July 16, 2013 8:04:27 PM EST) - Overview

<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>
05	(26) ECDFS-712 (27) ECDFS-4444	WFC3/IR	1	16-Jul-2013 21:02:43.0	yes
06	(25) ECDFS-36 (28) ECDFS-8431	WFC3/IR	1	16-Jul-2013 21:02:52.0	yes
07	(19) CFHTD1-29073 (20) CFHTD1-45042	WFC3/IR	1	16-Jul-2013 21:03:02.0	yes
08	(13) CFHTD1-2580 (16) CFHTD1-20942	WFC3/IR	1	16-Jul-2013 21:03:12.0	yes
09	(14) CFHTD1-3114 (15) CFHTD1-7722	WFC3/IR	1	16-Jul-2013 21:03:21.0	yes
10	(17) CFHTD1-24028 (18) CFHTD1-26413	WFC3/IR	1	16-Jul-2013 21:03:31.0	yes
11	(5) COSMOS-75358 (8) COSMOS-103240	WFC3/IR	1	16-Jul-2013 21:03:40.0	yes
12	(7) COSMOS-97596 (10) COSMOS-207160	WFC3/IR	1	16-Jul-2013 21:03:48.0	yes
13	(6) COSMOS-90679 (11) COSMOS-213880	WFC3/IR	1	16-Jul-2013 21:04:00.0	yes
14	(1) COSMOS-37208 (4) COSMOS-71932	WFC3/IR	1	16-Jul-2013 21:04:09.0	yes
15	(29) COSMOS-0000	WFC3/IR	1	16-Jul-2013 21:04:17.0	yes

15 Total Orbits Used

ABSTRACT

It is now well established that massive ($\text{Log}M/\text{Msun} \sim 11.0$) quiescent galaxies at $1.5 < z < 3.0$ are substantially smaller in size than their counterparts in the local universe. Abundance matching shows that these galaxies should reside in dark matter halos with masses of $\text{Log}M/\text{Msun} \sim 13.0$ and are the progenitors of local Brightest Group Galaxies. Little is known about the size evolution of galaxies several times more massive than this ($\text{Log}M/\text{Msun} > 11.6$) because their space density is a factor of ~ 30 lower. These galaxies reside in halos of $\text{Log}M/\text{Msun} = 14.0$ and are the progenitors of local Brightest Cluster Galaxies. At present there are four galaxies of this mass at $z > 1$ with published sizes, and unlike their lower-mass cousins, they obey the local mass-size relation. This suggests there may be "size-downsizing", whereby the most massive galaxies reach their

final sizes earlier. If confirmed, this will be an important clue for ascertaining what physical processes drive size evolution. Using new data from the 4.75 sq. deg. NMBS-II and ULTRAVISTA surveys we have selected a high-confidence, mass-complete sample of 30 galaxies at $1.5 < z < 3.0$ with $\text{Log}M/M_{\text{sun}} > 11.6$. Here we propose WFC3 imaging of these galaxies to measure their sizes, morphologies and light profiles. Our objective is to confirm if size-downsizing exists, and if so, at which redshift the most massive galaxies reach their final sizes. There are only three similar galaxies in the CANDELS fields; therefore we will increase the sample of these objects by an order-of-magnitude as well as extend the mass range over which the size-mass relation has been measured at high-redshift by a factor of ~ 5 .

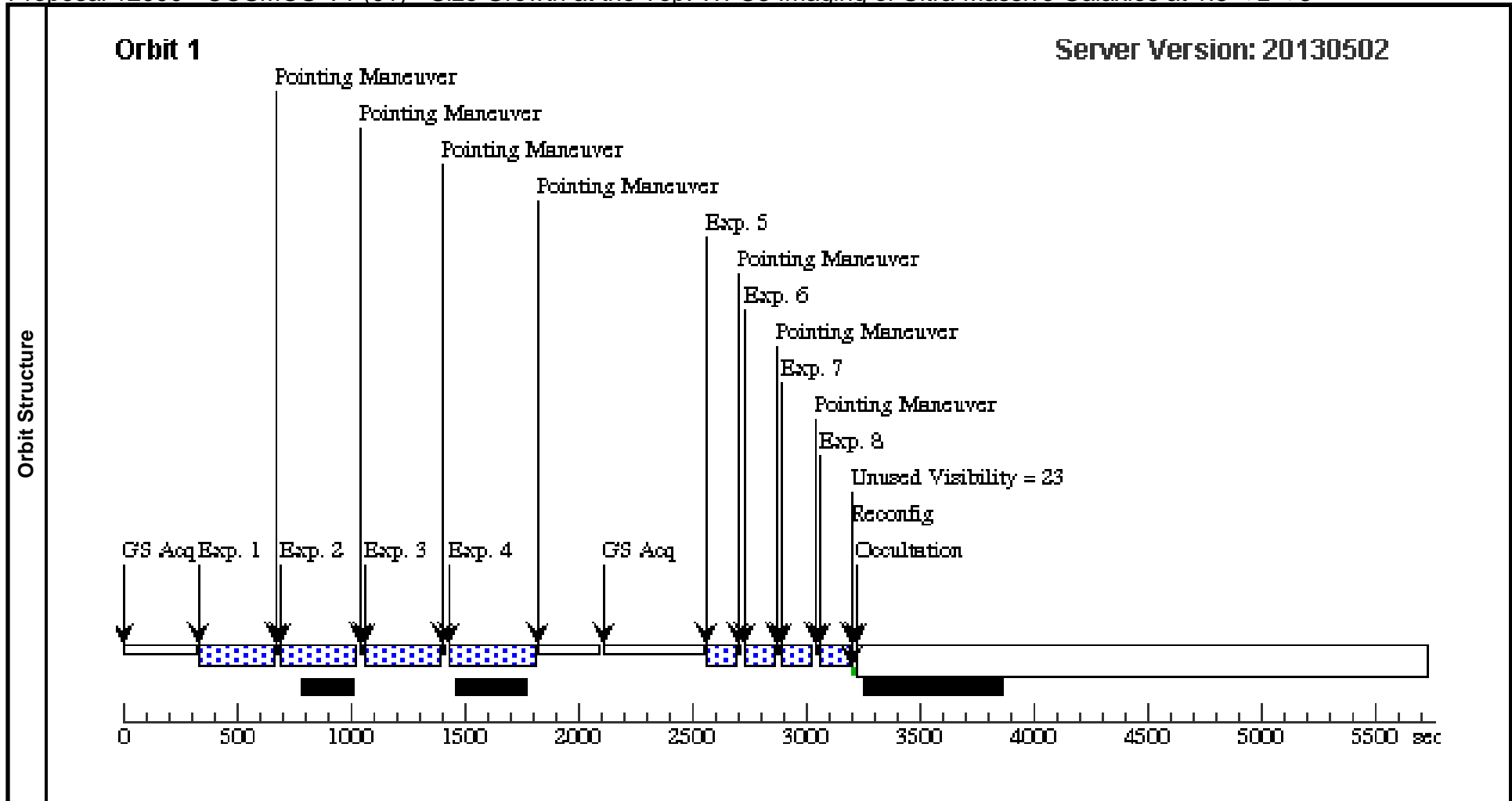
OBSERVING DESCRIPTION

This is a program to obtain WFC3/IR observations in the F160W filter of ~ 30 high-redshift galaxies. The galaxies are quite bright so they require only 10 mins integration time per target. The observations are designed to obtain observations of two galaxies per orbit.

Proposal 12990 - COSMOS-V1 (01) - Size Growth at the Top: WFC3 Imaging of Ultra-Massive Galaxies at $1.5 < z < 3$

Wed Jul 17 01:04:28 GMT 2013

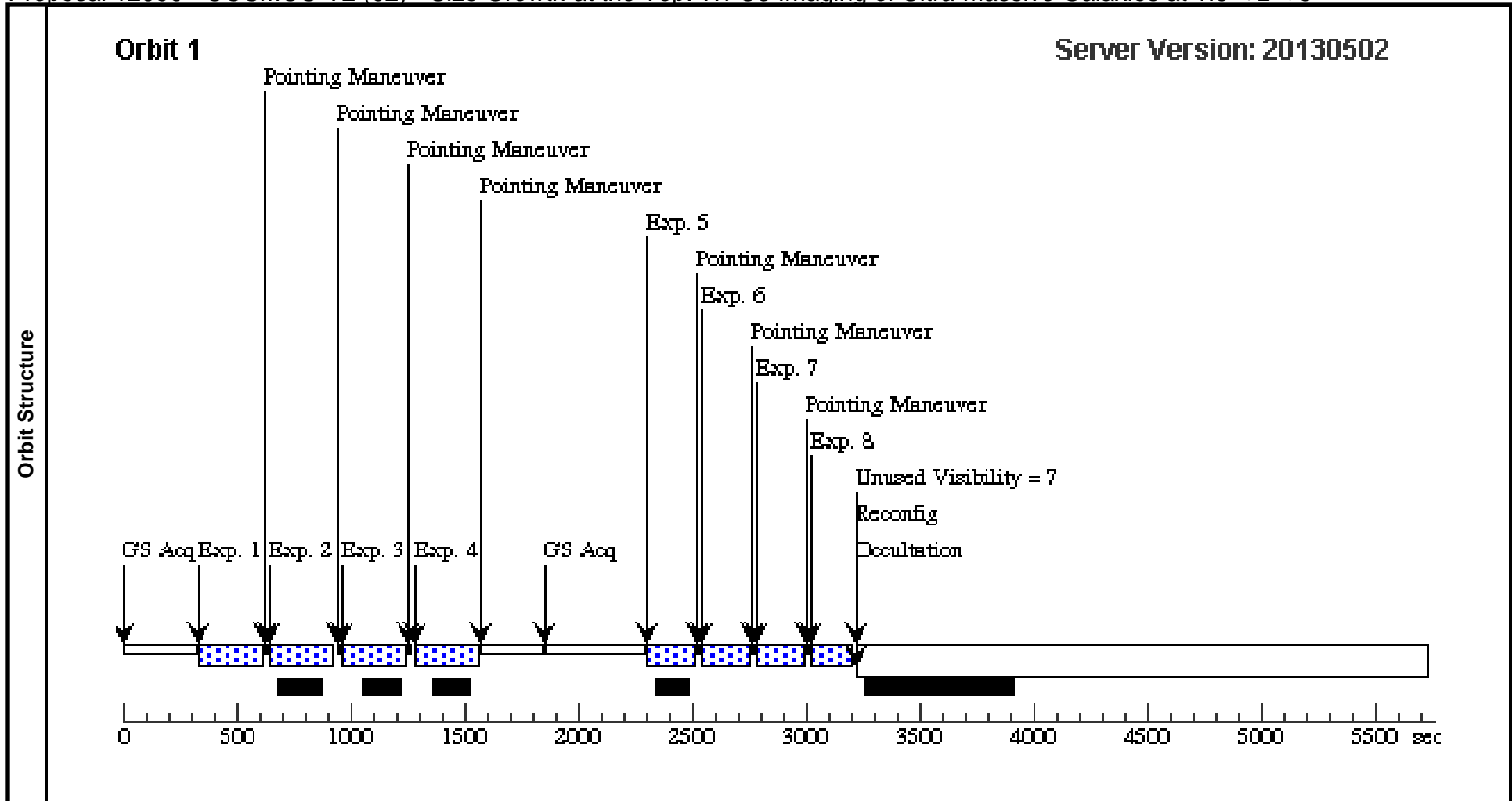
Visit	Proposal 12990, COSMOS-V1 (01), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)									
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
Fixed Targets	(2)	COSMOS-51726	RA: 09 59 23.9429 (149.8497621d) Dec: +01 44 11.52 (1.73653d) Equinox: J2000		V=25+/-2 H = 20.4133	Reference Frame: ICRS				
	(3)	COSMOS-53395	RA: 09 58 10.6384 (149.5443267d) Dec: +01 45 31.92 (1.75887d) Equinox: J2000		V=25+/-2 H = 22.4960	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(3) COSMOS-53395	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=7; SAMP-SEQ=SPAR S50	POS TARG 0.0,null; GS ACQ SCENARI O BASE1B3		302.934997 Secs (302.935 Secs) [==>]	[1]
	2		(3) COSMOS-53395	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=7; SAMP-SEQ=SPAR S50	POS TARG 1.355,0. 424		302.934997 Secs (302.935 Secs) [==>]	[1]
	3		(3) COSMOS-53395	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=7; SAMP-SEQ=SPAR S50	POS TARG 0.881,1. 212		302.934997 Secs (302.935 Secs) [==>]	[1]
	4		(3) COSMOS-53395	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=8; SAMP-SEQ=SPAR S50	POS TARG -0.474,0 .788		352.935448 Secs (352.935 Secs) [==>]	[1]
	5		(2) COSMOS-51726	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=5; SAMP-SEQ=SPAR S25	POS TARG 0.0,null; GS ACQ SCENARI O BASE1B3		102.934351 Secs (102.934 Secs) [==>]	[1]
	6		(2) COSMOS-51726	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=5; SAMP-SEQ=SPAR S25	POS TARG 1.355,0. 424		102.934351 Secs (102.934 Secs) [==>]	[1]
	7		(2) COSMOS-51726	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=5; SAMP-SEQ=SPAR S25	POS TARG 0.881,1. 212		102.934351 Secs (102.934 Secs) [==>]	[1]
8		(2) COSMOS-51726	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=5; SAMP-SEQ=SPAR S25	POS TARG -0.474,0 .788		102.934351 Secs (102.934 Secs) [==>]	[1]	



Proposal 12990 - COSMOS-V2 (02) - Size Growth at the Top: WFC3 Imaging of Ultra-Massive Galaxies at $1.5 < z < 3$

Wed Jul 17 01:04:30 GMT 2013

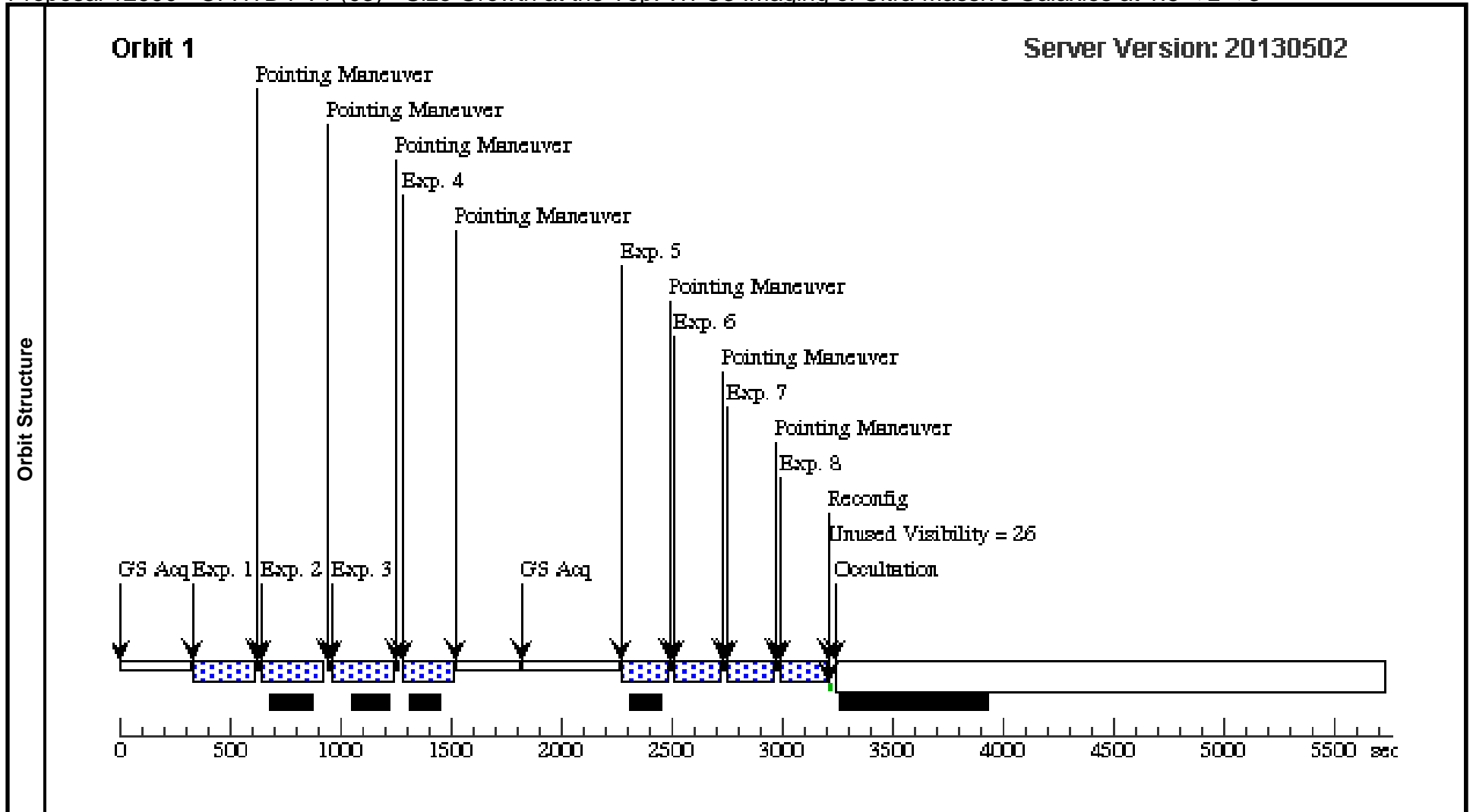
Visit	Proposal 12990, COSMOS-V2 (02), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)									
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
Fixed Targets	(9)	COSMOS-189978	RA: 10 02 14.4177 (150.5600738d) Dec: +02 35 11.92 (2.58664d) Equinox: J2000		V=25+/-2 H = 21.1117	Reference Frame: ICRS				
	(12)	COSMOS-230111	RA: 10 01 23.5254 (150.3480225d) Dec: +02 45 40.07 (2.76113d) Equinox: J2000		V=25+/-2 H = 22.1946	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(12) COSMOS-230111	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=SPAR S50	POS TARG 0.0,null		252.934546 Secs (252.935 Secs) [==>]	[1]
	2		(12) COSMOS-230111	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=SPAR S50	POS TARG 1.355,0.424		252.934546 Secs (252.935 Secs) [==>]	[1]
	3		(12) COSMOS-230111	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=SPAR S50	POS TARG 0.881,1.212		252.934546 Secs (252.935 Secs) [==>]	[1]
	4		(12) COSMOS-230111	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=SPAR S50	POS TARG -0.474,0.788		252.934546 Secs (252.935 Secs) [==>]	[1]
	5		(9) COSMOS-189978	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=8; SAMP-SEQ=SPAR S25	POS TARG 0.0,null		177.935896 Secs (177.936 Secs) [==>]	[1]
	6		(9) COSMOS-189978	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=8; SAMP-SEQ=SPAR S25	POS TARG 1.355,0.424		177.935896 Secs (177.936 Secs) [==>]	[1]
	7		(9) COSMOS-189978	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=8; SAMP-SEQ=SPAR S25	POS TARG 0.881,1.212		177.935896 Secs (177.936 Secs) [==>]	[1]
	8		(9) COSMOS-189978	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=7; SAMP-SEQ=SPAR S25	POS TARG -0.474,0.788		152.935381 Secs (152.935 Secs) [==>]	[1]



Proposal 12990 - CFHTD4-V1 (03) - Size Growth at the Top: WFC3 Imaging of Ultra-Massive Galaxies at $1.5 < z < 3$

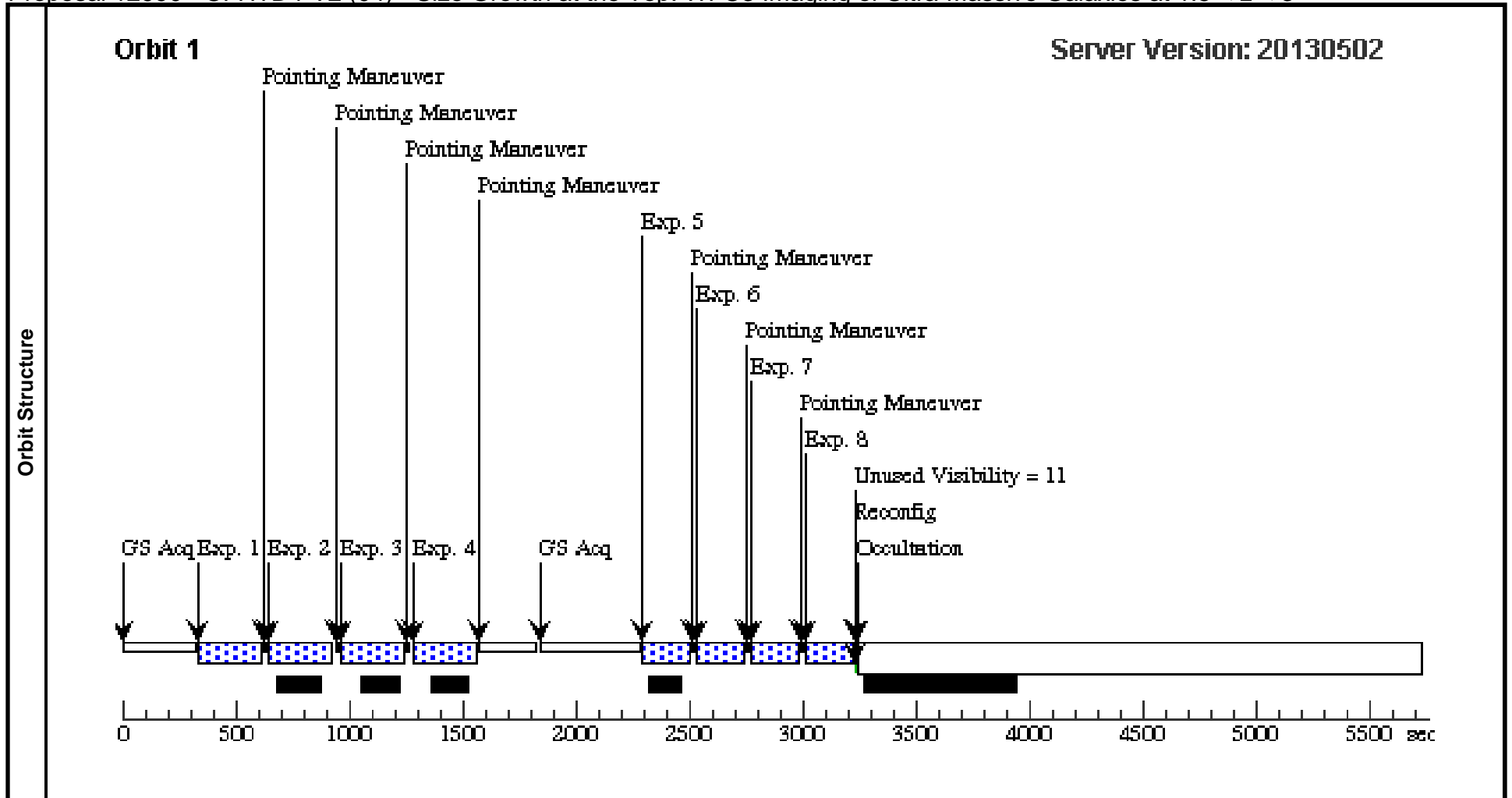
Wed Jul 17 01:04:31 GMT 2013

Visit	Proposal 12990, CFHTD4-V1 (03), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)									
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
Fixed Targets	(21)	CFHTD4-31678	RA: 22 15 44.4434 (333.9351808d) Dec: -17 41 50.14 (-17.69726d) Equinox: J2000		V=25+/-2 H = 19.58	Reference Frame: ICRS				
	(23)	CFHTD4-39098	RA: 22 16 52.6758 (334.2194825d) Dec: -17 26 29.17 (-17.44144d) Equinox: J2000		V=25+/-2 H = 20.39	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(23) CFHTD4-39098	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=SPAR S50	POS TARG 0.0,null		252.934546 Secs (252.935 Secs) [==>]	[1]
	2		(23) CFHTD4-39098	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=SPAR S50	POS TARG 1.355,0. 424		252.934546 Secs (252.935 Secs) [==>]	[1]
	3		(23) CFHTD4-39098	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=SPAR S50	POS TARG 0.881,1. 212		252.934546 Secs (252.935 Secs) [==>]	[1]
	4		(23) CFHTD4-39098	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG -0.474,0 .788		202.934095 Secs (202.934 Secs) [==>]	[1]
	5		(21) CFHTD4-31678	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=8; SAMP-SEQ=SPAR S25	POS TARG 0.0,null		177.935896 Secs (177.936 Secs) [==>]	[1]
	6		(21) CFHTD4-31678	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=8; SAMP-SEQ=SPAR S25	POS TARG 1.355,0. 424		177.935896 Secs (177.936 Secs) [==>]	[1]
	7		(21) CFHTD4-31678	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=8; SAMP-SEQ=SPAR S25	POS TARG 0.881,1. 212		177.935896 Secs (177.936 Secs) [==>]	[1]
8		(21) CFHTD4-31678	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=8; SAMP-SEQ=SPAR S25	POS TARG -0.474,0 .788		177.935896 Secs (177.936 Secs) [==>]	[1]	



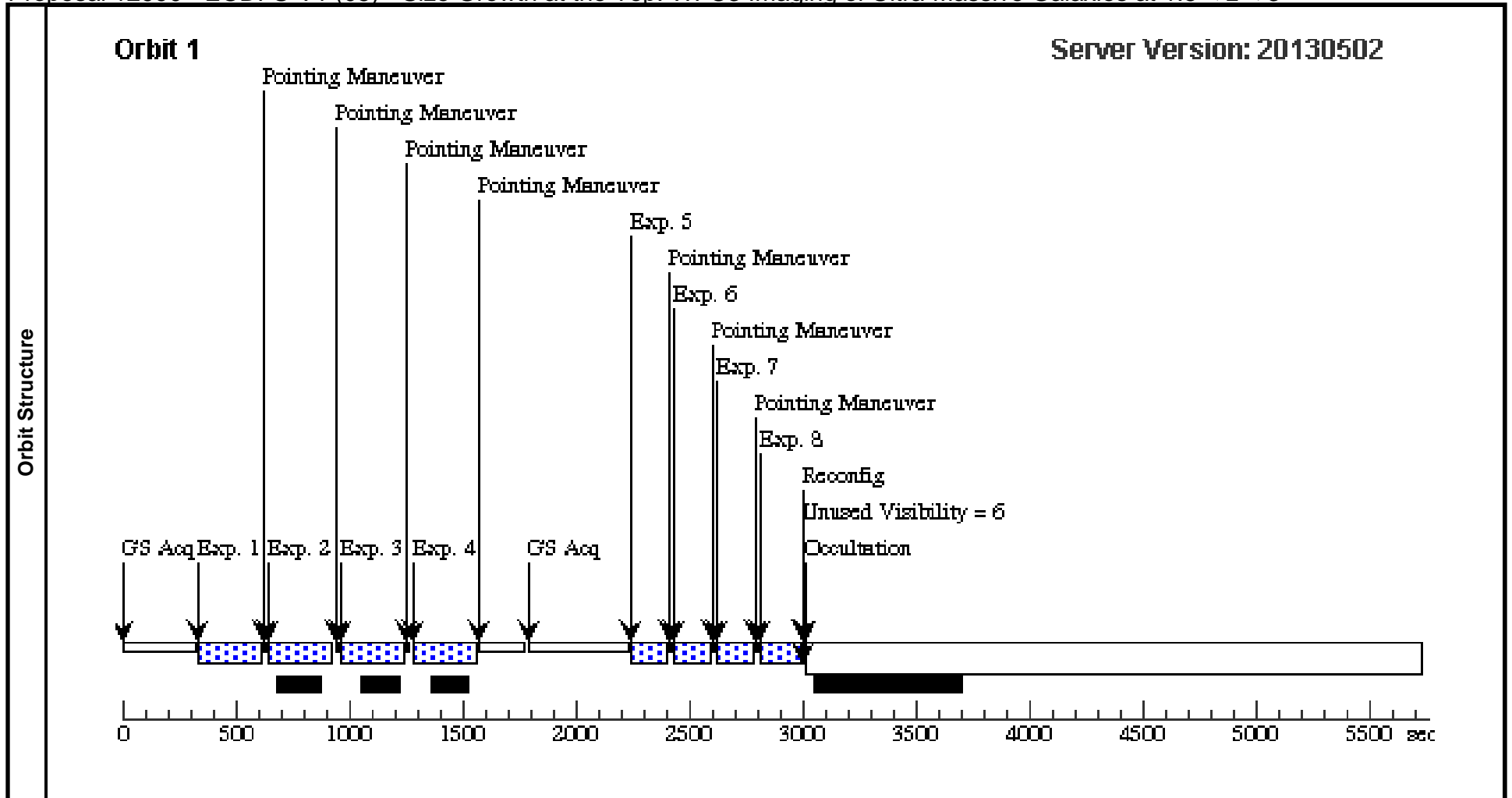
Proposal 12990 - CFHTD4-V2 (04) - Size Growth at the Top: WFC3 Imaging of Ultra-Massive Galaxies at $1.5 < z < 3$

Visit	Proposal 12990, CFHTD4-V2 (04), completed Wed Jul 17 01:04:32 GMT 2013 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)									
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
Fixed Targets	(22)	CFHTD4-32377	RA: 22 15 57.9712 (333.9915467d) Dec: -17 40 20.48 (-17.67236d) Equinox: J2000		V=25+/-2 H = 19.48	Reference Frame: ICRS				
	(24)	CFHTD4-38902	RA: 22 15 56.5576 (333.9856567d) Dec: -17 26 55.81 (-17.44884d) Equinox: J2000		V=25+/-2 H = 20.19	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(24) CFHTD4-38902	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=SPAR S50	POS TARG 0.0,null		252.934546 Secs (252.935 Secs) [==>]	[1]
	2		(24) CFHTD4-38902	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=SPAR S50	POS TARG 1.355,0. 424		252.934546 Secs (252.935 Secs) [==>]	[1]
	3		(24) CFHTD4-38902	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=SPAR S50	POS TARG 0.881,1. 212		252.934546 Secs (252.935 Secs) [==>]	[1]
	4		(24) CFHTD4-38902	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=SPAR S50	POS TARG -0.474,0 .788		252.934546 Secs (252.935 Secs) [==>]	[1]
	5		(22) CFHTD4-32377	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=8; SAMP-SEQ=SPAR S25	POS TARG 0.0,null		177.935896 Secs (177.936 Secs) [==>]	[1]
	6		(22) CFHTD4-32377	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=8; SAMP-SEQ=SPAR S25	POS TARG 1.355,0. 424		177.935896 Secs (177.936 Secs) [==>]	[1]
	7		(22) CFHTD4-32377	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=8; SAMP-SEQ=SPAR S25	POS TARG 0.881,1. 212		177.935896 Secs (177.936 Secs) [==>]	[1]
8		(22) CFHTD4-32377	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=8; SAMP-SEQ=SPAR S25	POS TARG -0.474,0 .788		177.935896 Secs (177.936 Secs) [==>]	[1]	



Proposal 12990 - ECDFS-V1 (05) - Size Growth at the Top: WFC3 Imaging of Ultra-Massive Galaxies at $1.5 < z < 3$

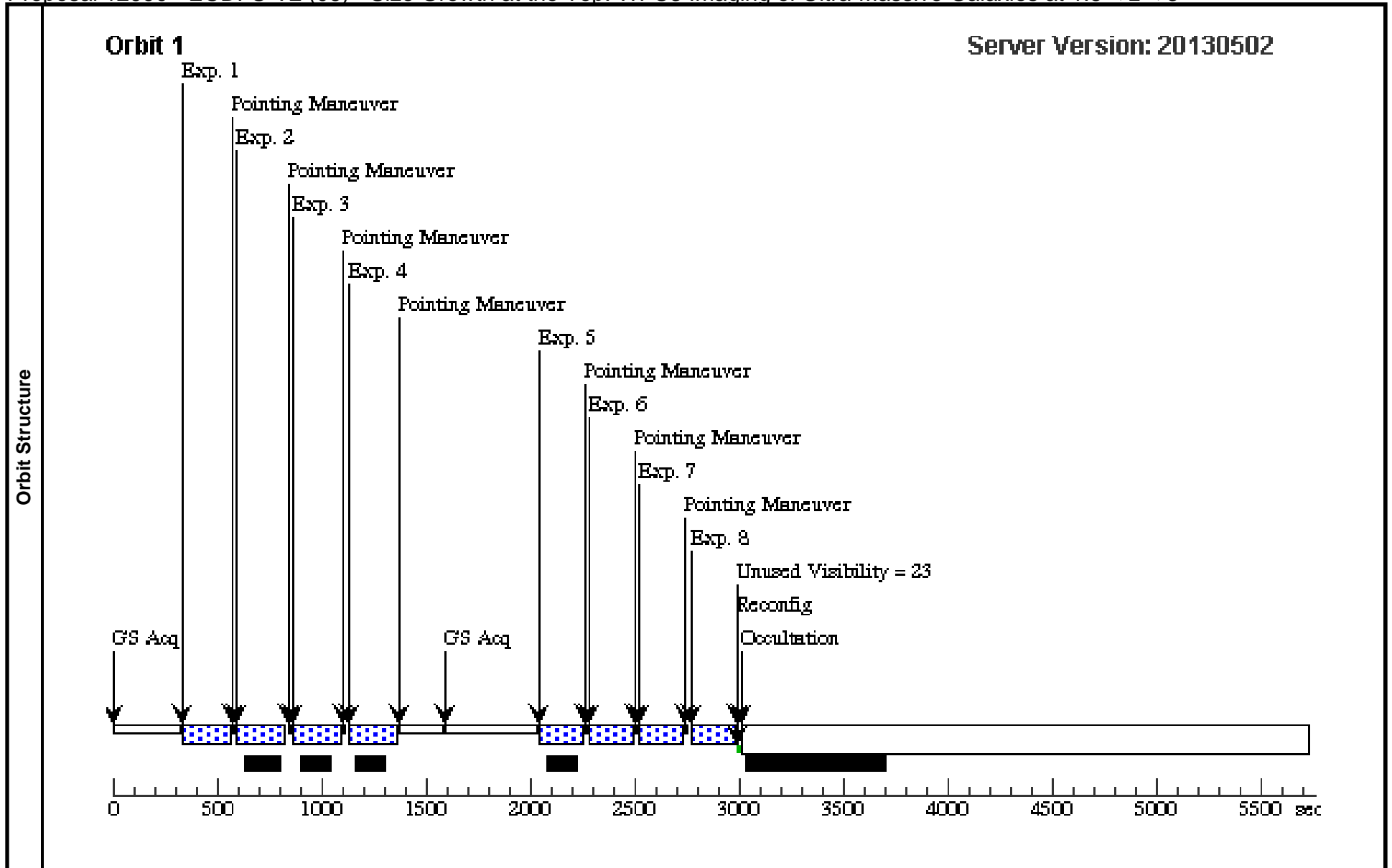
Visit	Proposal 12990, ECDFS-V1 (05), completed Wed Jul 17 01:04:33 GMT 2013 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SCHED 100%									
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
Fixed Targets	(26)	ECDFS-712	RA: 03 31 46.0767 (52.9419862d) Dec: -28 00 26.48 (-28.00736d) Equinox: J2000		V=25+/-2 H = 20.0811	Reference Frame: ICRS				
	(27)	ECDFS-4444	RA: 03 33 11.4816 (53.2978400d) Dec: -27 49 16.06 (-27.82113d) Equinox: J2000		V=25+/-2 H = 21.46	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(27) ECDFS-4444	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=SPAR S50	POS TARG 0.0,null; GS ACQ SCENARI O BASE1B3		252.934546 Secs (252.935 Secs) [==>]	[1]
	2		(27) ECDFS-4444	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=SPAR S50	POS TARG 1.355,0. 424		252.934546 Secs (252.935 Secs) [==>]	[1]
	3		(27) ECDFS-4444	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=SPAR S50	POS TARG 0.881,1. 212		252.934546 Secs (252.935 Secs) [==>]	[1]
	4		(27) ECDFS-4444	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=SPAR S50	POS TARG -0.474,0 .788		252.934546 Secs (252.935 Secs) [==>]	[1]
	5		(26) ECDFS-712	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=SPAR S25	POS TARG 0.0,null; GS ACQ SCENARI O BASE1B3		127.934866 Secs (127.935 Secs) [==>]	[1]
	6		(26) ECDFS-712	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=SPAR S25	POS TARG 1.355,0. 424		127.934866 Secs (127.935 Secs) [==>]	[1]
	7		(26) ECDFS-712	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=SPAR S25	POS TARG 0.881,1. 212		127.934866 Secs (127.935 Secs) [==>]	[1]
	8		(26) ECDFS-712	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=7; SAMP-SEQ=SPAR S25	POS TARG -0.474,0 .788		152.935381 Secs (152.935 Secs) [==>]	[1]



Proposal 12990 - ECDFS-V2 (06) - Size Growth at the Top: WFC3 Imaging of Ultra-Massive Galaxies at $1.5 < z < 3$

Wed Jul 17 01:04:34 GMT 2013

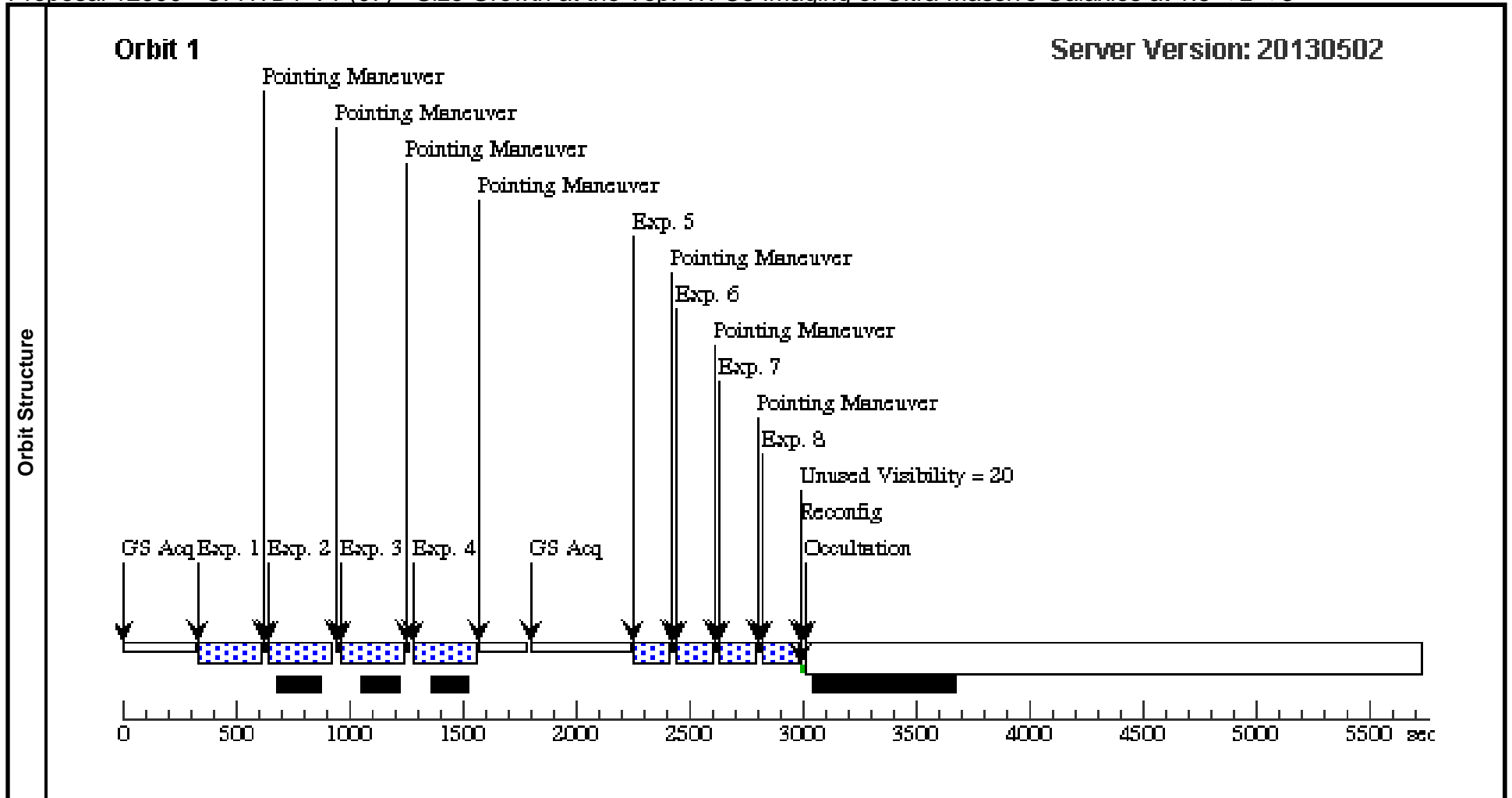
Visit	Proposal 12990, ECDFS-V2 (06), scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SCHED 100%									
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
Fixed Targets	(25)	ECDFS-36	RA: 03 31 54.5224 (52.9771767d) Dec: -28 02 22.66 (-28.03963d) Equinox: J2000		V=25+/-2 H = 20.63	Reference Frame: ICRS				
	(28)	ECDFS-8431	RA: 03 32 42.6361 (53.1776504d) Dec: -27 38 15.93 (-27.63776d) Equinox: J2000		V=25+/-2 H = 20.85	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(28) ECDFS-8431	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 0.0,null		202.934095 Secs (202.934 Secs) [==>]	[1]
	2		(28) ECDFS-8431	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 1.355,0. 424		202.934095 Secs (202.934 Secs) [==>]	[1]
	3		(28) ECDFS-8431	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 0.881,1. 212		202.934095 Secs (202.934 Secs) [==>]	[1]
	4		(28) ECDFS-8431	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG -0.474,0 .788		202.934095 Secs (202.934 Secs) [==>]	[1]
	5		(25) ECDFS-36	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=8; SAMP-SEQ=SPAR S25	POS TARG 0.0,null		177.935896 Secs (177.936 Secs) [==>]	[1]
	6		(25) ECDFS-36	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=8; SAMP-SEQ=SPAR S25	POS TARG 1.355,0. 424		177.935896 Secs (177.936 Secs) [==>]	[1]
	7		(25) ECDFS-36	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=8; SAMP-SEQ=SPAR S25	POS TARG 0.881,1. 212		177.935896 Secs (177.936 Secs) [==>]	[1]
8		(25) ECDFS-36	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=8; SAMP-SEQ=SPAR S25	POS TARG -0.474,0 .788		177.935896 Secs (177.936 Secs) [==>]	[1]	



Proposal 12990 - CFHTD1-V1 (07) - Size Growth at the Top: WFC3 Imaging of Ultra-Massive Galaxies at $1.5 < z < 3$

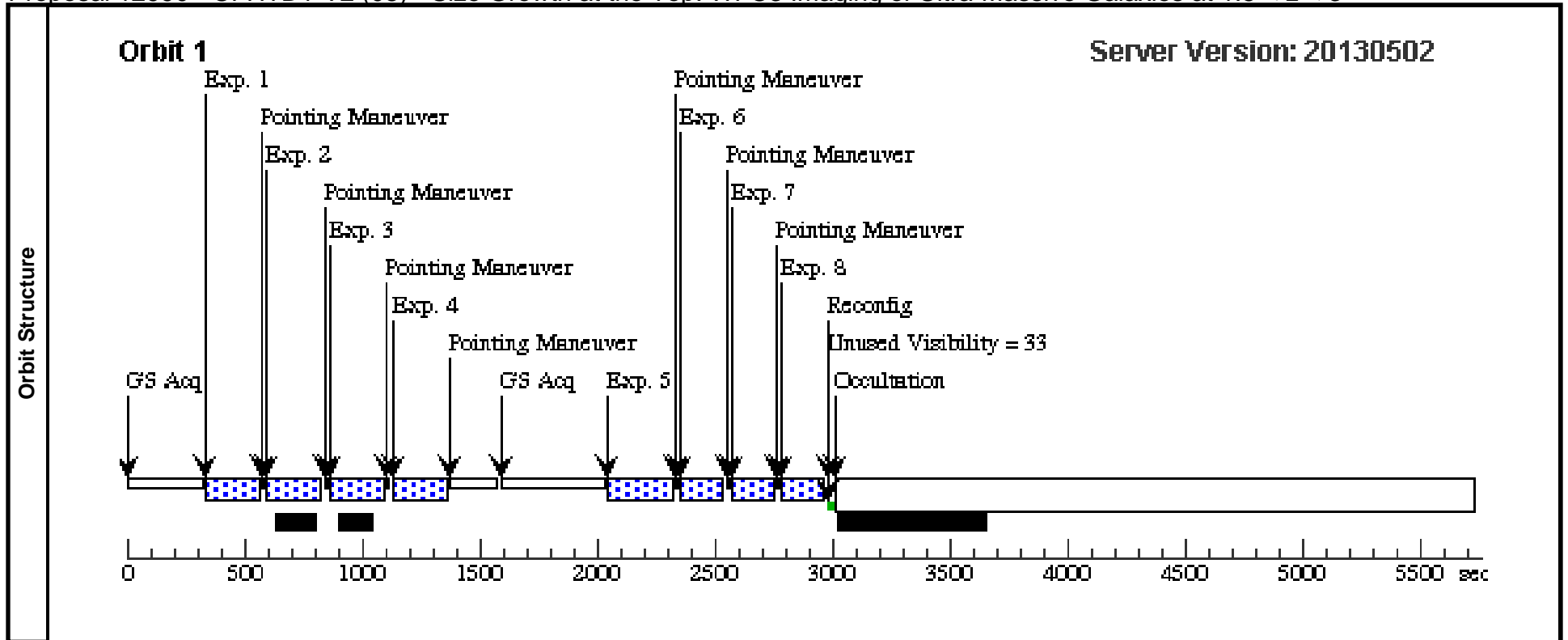
Wed Jul 17 01:04:35 GMT 2013

Visit	Proposal 12990, CFHTD1-V1 (07), scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SCHED 100%; ORIENT 45D TO 115 D; ORIENT 135D TO 205 D; ORIENT 225D TO 295 D; ORIENT 315D TO 25 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(19)	CFHTD1-29073	RA: 02 26 25.4077 (36.6058654d) Dec: -04 36 5.42 (-4.60151d) Equinox: J2000		V=25+/-2	Reference Frame: ICRS				
	(20)	CFHTD1-45042	RA: 02 24 19.5511 (36.0814629d) Dec: -04 08 27.76 (-4.14104d) Equinox: J2000		V=25+/-2 H = 19.80	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(19) CFHTD1-29073	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=SPAR S50	POS TARG 0.0,null; GS ACQ SCENARI O BASE1B3	252.934546 Secs (252.935 Secs) [==>]	[1]		
	2	(19) CFHTD1-29073	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=SPAR S50	POS TARG 1.355,0. 424	252.934546 Secs (252.935 Secs) [==>]	[1]		
	3	(19) CFHTD1-29073	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=SPAR S50	POS TARG 0.881,1. 212	252.934546 Secs (252.935 Secs) [==>]	[1]		
	4	(19) CFHTD1-29073	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=SPAR S50	POS TARG -0.474,0 .788	252.934546 Secs (252.935 Secs) [==>]	[1]		
	5	(20) CFHTD1-45042	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=SPAR S25	POS TARG 0.0,null; GS ACQ SCENARI O BASE1B3	127.934866 Secs (127.935 Secs) [==>]	[1]		
	6	(20) CFHTD1-45042	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=SPAR S25	POS TARG 1.355,0. 424	127.934866 Secs (127.935 Secs) [==>]	[1]		
	7	(20) CFHTD1-45042	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=SPAR S25	POS TARG 0.881,1. 212	127.934866 Secs (127.935 Secs) [==>]	[1]		
	8	(20) CFHTD1-45042	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=SPAR S25	POS TARG -0.474,0 .788	127.934866 Secs (127.935 Secs) [==>]	[1]		



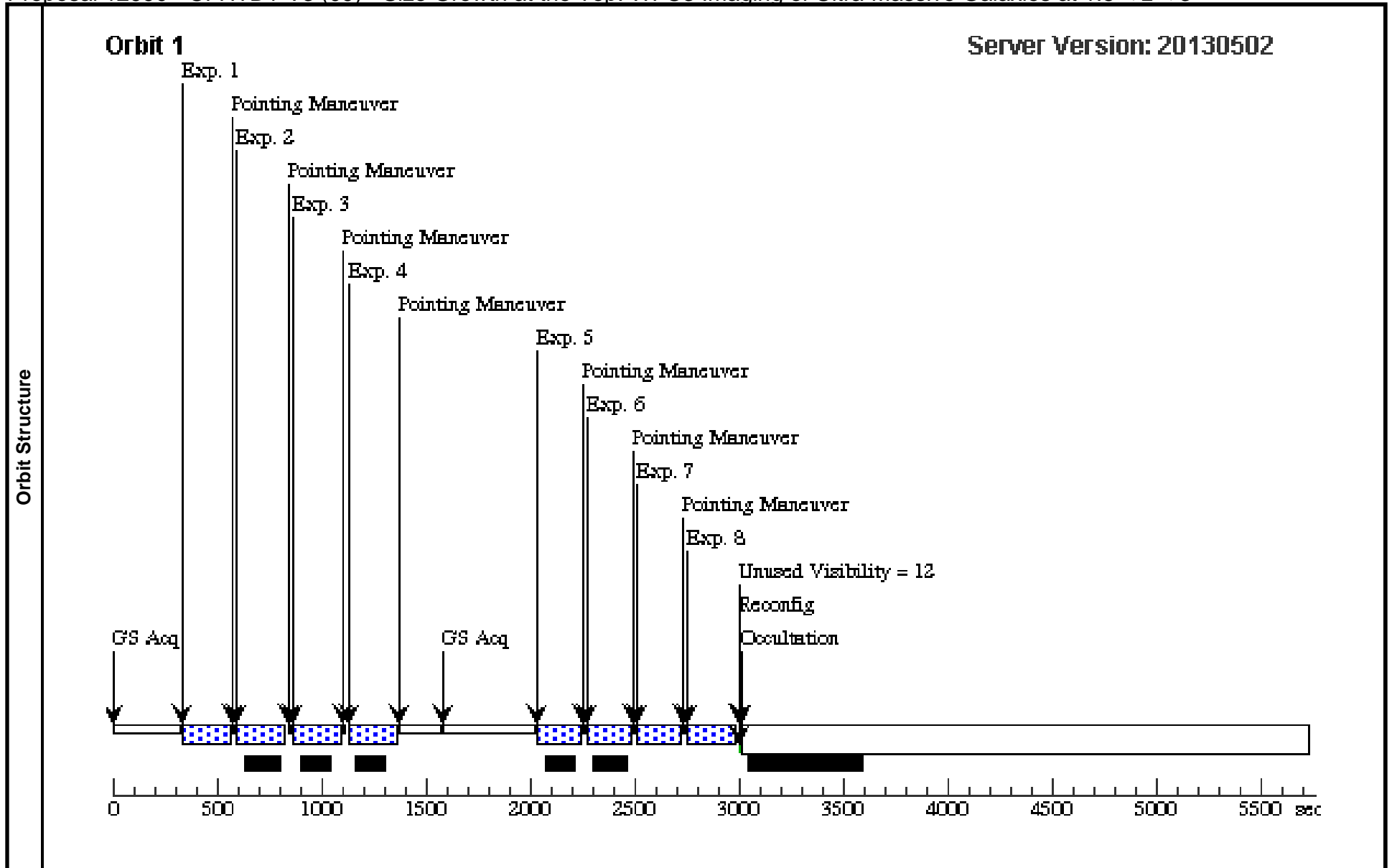
Proposal 12990 - CFHTD1-V2 (08) - Size Growth at the Top: WFC3 Imaging of Ultra-Massive Galaxies at $1.5 < z < 3$

Visit	Proposal 12990, CFHTD1-V2 (08), completed Wed Jul 17 01:04:36 GMT 2013 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SCHED 100%; ORIENT 35D TO 105 D; ORIENT 125D TO 195 D; ORIENT 215D TO 285 D; ORIENT 305D TO 15 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(13)	CFHTD1-2580	RA: 02 24 42.2790 (36.1761625d) Dec: -04 53 34.98 (-4.89305d) Equinox: J2000		V=25+/-2 H = 20.59	Reference Frame: ICRS				
	(16)	CFHTD1-20942	RA: 02 26 49.3002 (36.7054175d) Dec: -04 49 20.53 (-4.82237d) Equinox: J2000		V=25+/-2 H = 20.86	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(16) CFHTD1-20942	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 0.0,null			202.934095 Secs (202.934 Secs) [==>]	[1]
	2	(16) CFHTD1-20942	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 1.355,0. 424			202.934095 Secs (202.934 Secs) [==>]	[1]
	3	(16) CFHTD1-20942	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 0.881,1. 212			202.934095 Secs (202.934 Secs) [==>]	[1]
	4	(16) CFHTD1-20942	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG -0.474,0 .788			202.934095 Secs (202.934 Secs) [==>]	[1]
	5	(13) CFHTD1-2580	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=SPAR S50	POS TARG 0.0,null			252.934546 Secs (252.935 Secs) [==>]	[1]
	6	(13) CFHTD1-2580	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=SPARS 50; NSAMP=4	POS TARG 1.355,0. 424			152.933644 Secs (152.934 Secs) [==>]	[1]
	7	(13) CFHTD1-2580	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=4; SAMP-SEQ=SPAR S50	POS TARG 0.881,1. 212			152.933644 Secs (152.934 Secs) [==>]	[1]
	8	(13) CFHTD1-2580	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=4; SAMP-SEQ=SPAR S50	POS TARG -0.474,0 .788			152.933644 Secs (152.934 Secs) [==>]	[1]



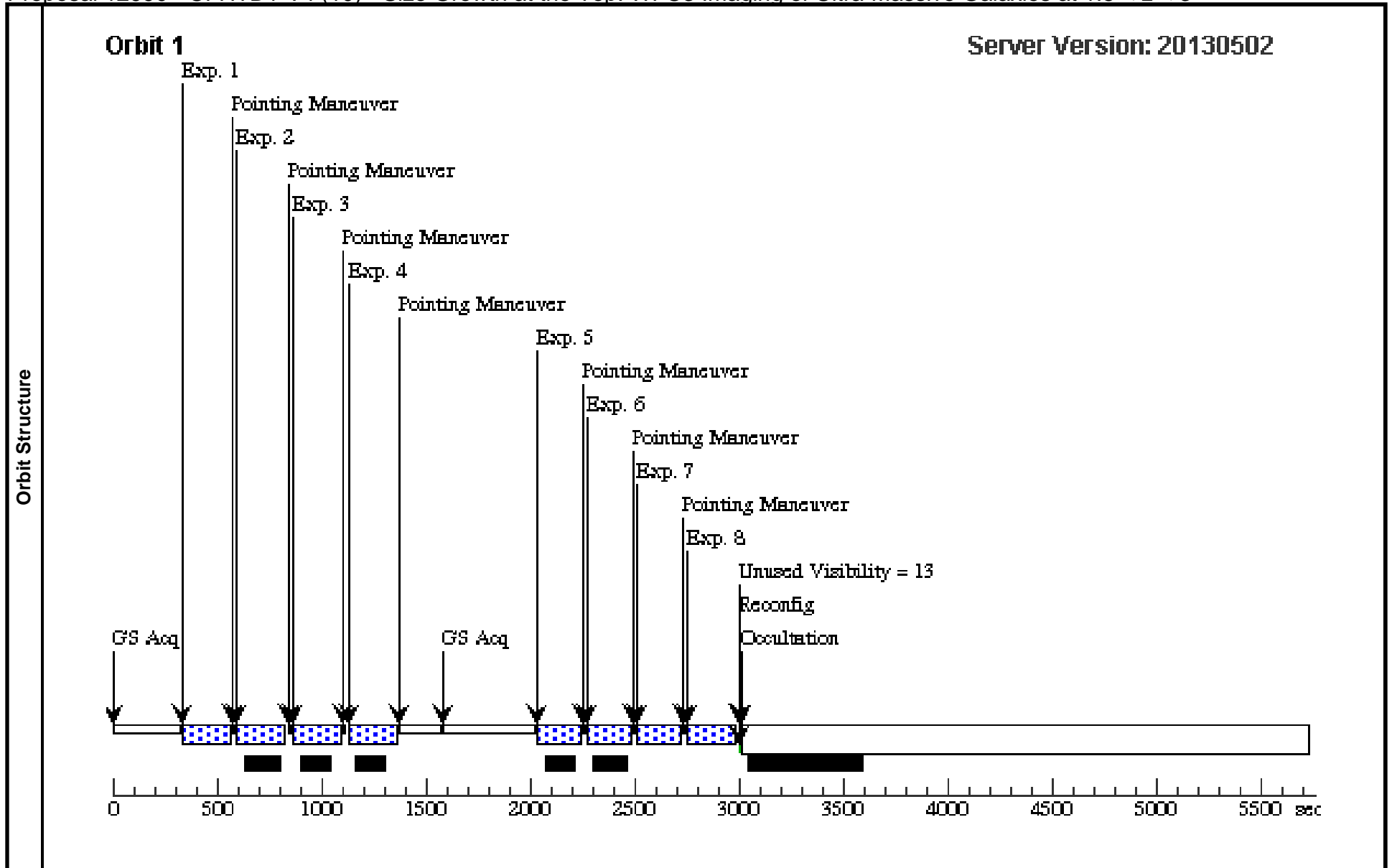
Proposal 12990 - CFHTD1-V3 (09) - Size Growth at the Top: WFC3 Imaging of Ultra-Massive Galaxies at $1.5 < z < 3$

Visit	Proposal 12990, CFHTD1-V3 (09), completed Wed Jul 17 01:04:36 GMT 2013 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SCHED 100%									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(14)	CFHTD1-3114	RA: 02 24 29.9213 (36.1246721d) Dec: -04 52 38.92 (-4.87748d) Equinox: J2000		V=25+/-2 H = 20.40	Reference Frame: ICRS				
	(15)	CFHTD1-7722	RA: 02 24 9.9912 (36.0416300d) Dec: -04 46 7.83 (-4.76884d) Equinox: J2000		V=25+/-2 H = 20.67	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(15) CFHTD1-7722	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 0.0,null		202.934095 Secs (202.934 Secs) [==>]	[1]
	2		(15) CFHTD1-7722	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 1.355,0. 424		202.934095 Secs (202.934 Secs) [==>]	[1]
	3		(15) CFHTD1-7722	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 0.881,1. 212		202.934095 Secs (202.934 Secs) [==>]	[1]
	4		(15) CFHTD1-7722	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG -0.474,0 .788		202.934095 Secs (202.934 Secs) [==>]	[1]
	5		(14) CFHTD1-3114	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=8; SAMP-SEQ=SPAR S25			177.935896 Secs (177.936 Secs) [==>]	[1]
	6		(14) CFHTD1-3114	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=8; SAMP-SEQ=SPAR S25	POS TARG 1.355,0. 424		177.935896 Secs (177.936 Secs) [==>]	[1]
	7		(14) CFHTD1-3114	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=8; SAMP-SEQ=SPAR S25	POS TARG 0.881,1. 212		177.935896 Secs (177.936 Secs) [==>]	[1]
	8		(14) CFHTD1-3114	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=9; SAMP-SEQ=SPAR S25	POS TARG -0.474,0 .788		202.936411 Secs (202.936 Secs) [==>]	[1]



Proposal 12990 - CFHTD1-V4 (10) - Size Growth at the Top: WFC3 Imaging of Ultra-Massive Galaxies at $1.5 < z < 3$

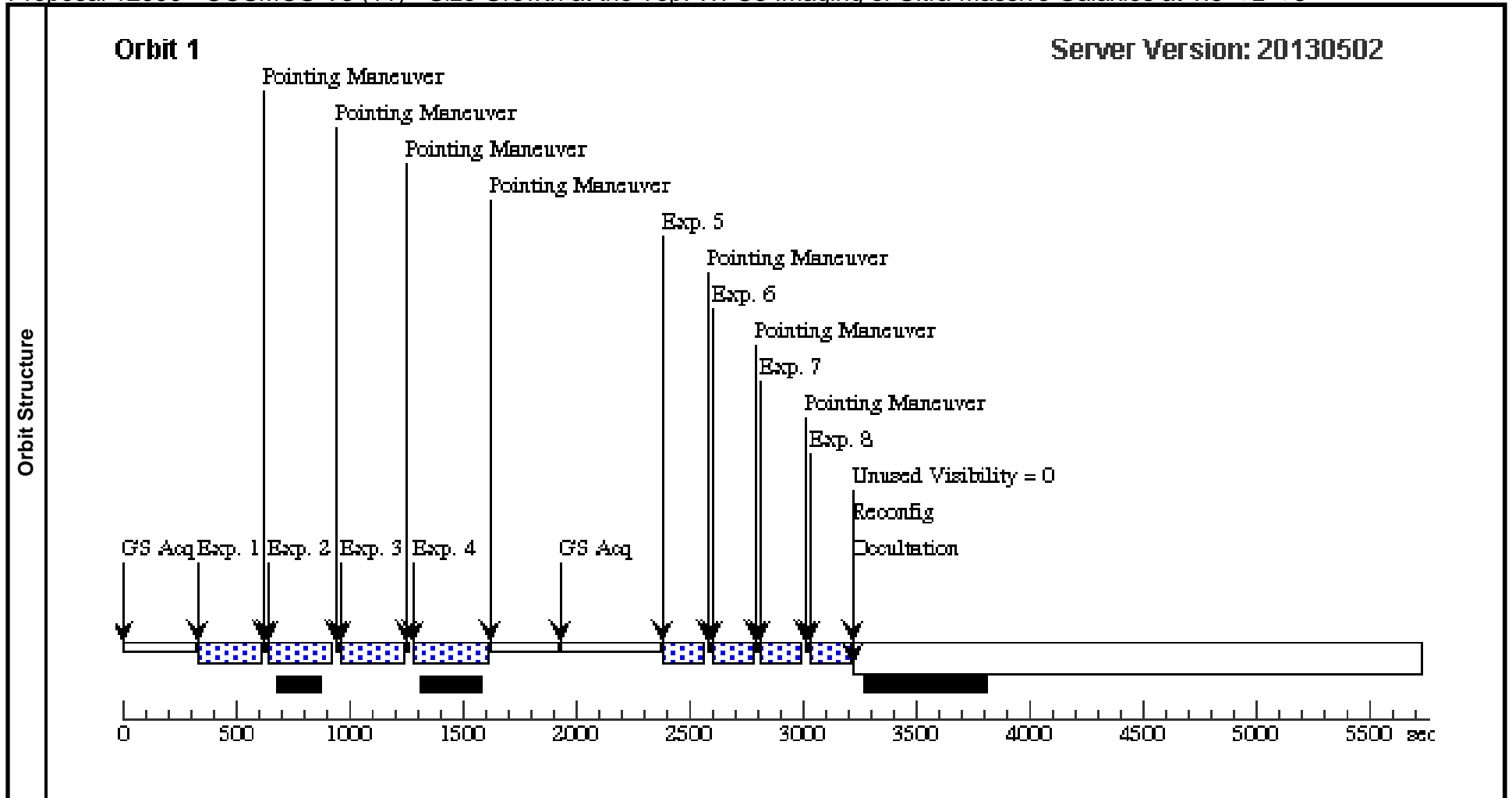
Visit	Proposal 12990, CFHTD1-V4 (10), completed Wed Jul 17 01:04:37 GMT 2013									
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SCHED 100%									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
		(17)	CFHTD1-24028	RA: 02 27 9.8483 (36.7910346d) Dec: -04 44 53.99 (-4.74833d) Equinox: J2000		V=25+/-2 H = 20.49	Reference Frame: ICRS			
	(18)	CFHTD1-26413	RA: 02 26 42.0895 (36.6753729d) Dec: -04 40 39.88 (-4.67774d) Equinox: J2000		V=25+/-2 H = 21.07	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(18) CFHTD1-26413	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 0.0,null		202.934095 Secs (202.934 Secs) [==>]	[1]
	2		(18) CFHTD1-26413	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 1.355,0. 424		202.934095 Secs (202.934 Secs) [==>]	[1]
	3		(18) CFHTD1-26413	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 0.881,1. 212		202.934095 Secs (202.934 Secs) [==>]	[1]
	4		(18) CFHTD1-26413	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG -0.474,0 .788		202.934095 Secs (202.934 Secs) [==>]	[1]
	5		(17) CFHTD1-24028	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=8; SAMP-SEQ=SPAR S25	POS TARG 0.0,null		177.935896 Secs (177.936 Secs) [==>]	[1]
	6		(17) CFHTD1-24028	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=8; SAMP-SEQ=SPAR S25	POS TARG 1.355,0. 424		177.935896 Secs (177.936 Secs) [==>]	[1]
	7		(17) CFHTD1-24028	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=8; SAMP-SEQ=SPAR S25	POS TARG 0.881,1. 212		177.935896 Secs (177.936 Secs) [==>]	[1]
8		(17) CFHTD1-24028	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=9; SAMP-SEQ=SPAR S25	POS TARG -0.474,0 .788		202.936411 Secs (202.936 Secs) [==>]	[1]	



Proposal 12990 - COSMOS-V3 (11) - Size Growth at the Top: WFC3 Imaging of Ultra-Massive Galaxies at $1.5 < z < 3$

Wed Jul 17 01:04:38 GMT 2013

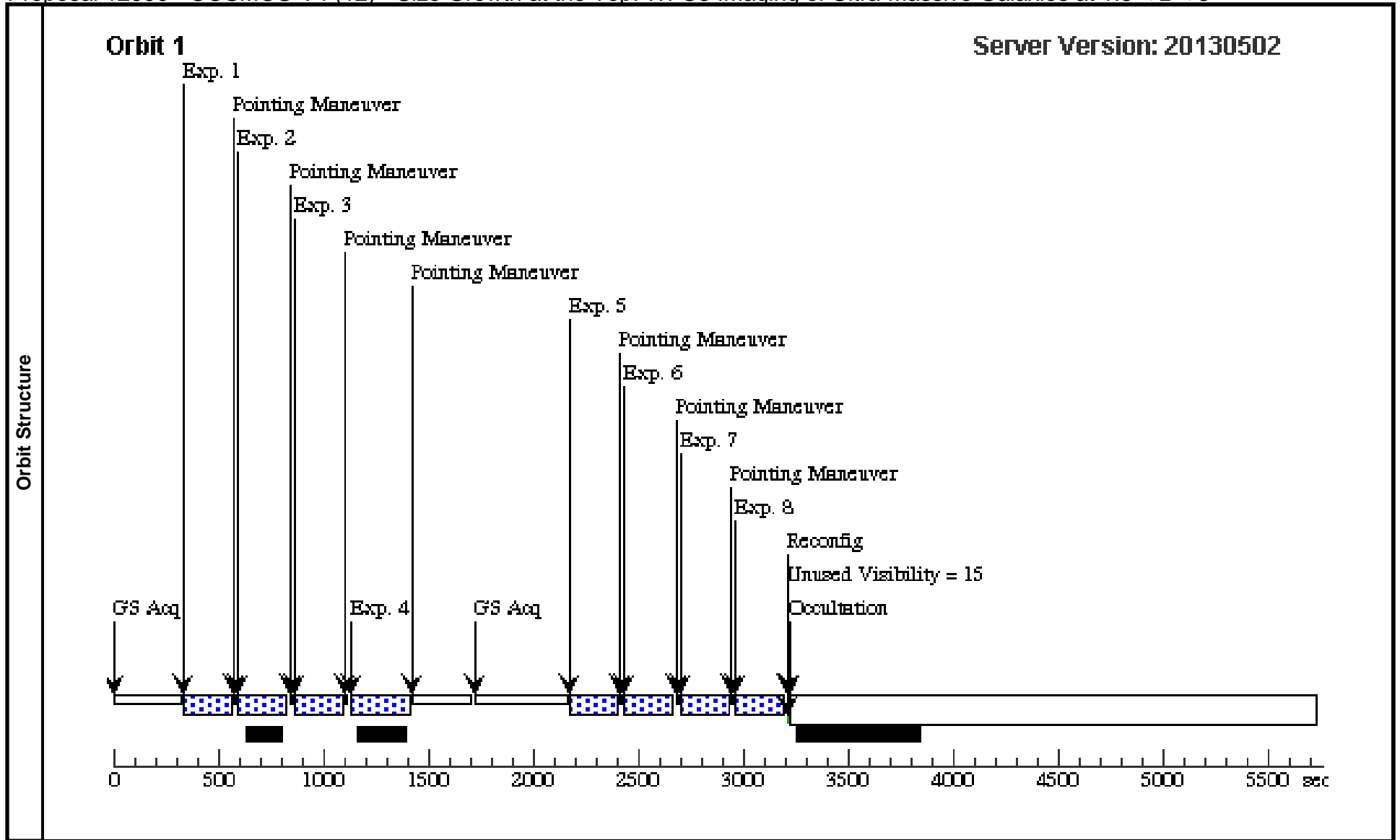
Visit	Proposal 12990, COSMOS-V3 (11), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)									
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
Fixed Targets	(5)	COSMOS-75358	RA: 10 02 28.4912 (150.6187133d) Dec: +02 02 13.70 (2.03714d) Equinox: J2000		V=25+/-2 H = 19.8449	Reference Frame: ICRS				
	(8)	COSMOS-103240	RA: 10 00 47.1790 (150.1965792d) Dec: +01 59 19.56 (1.98877d) Equinox: J2000		V=25+/-2 H = 21.8070	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(8) COSMOS-10324 0	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=SPAR S50	POS TARG 0.0,null; GS ACQ SCENARI O BASE1B3		252.934546 Secs (252.935 Secs) [==>]	[1]
	2		(8) COSMOS-10324 0	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=SPAR S50	POS TARG 1.355,0. 424		252.934546 Secs (252.935 Secs) [==>]	[1]
	3		(8) COSMOS-10324 0	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=SPAR S50	POS TARG 0.881,1. 212		252.934546 Secs (252.935 Secs) [==>]	[1]
	4		(8) COSMOS-10324 0	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=7; SAMP-SEQ=SPAR S50	POS TARG -0.474,0 .788		302.934997 Secs (302.935 Secs) [==>]	[1]
	5		(5) COSMOS-75358	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=4; SAMP-SEQ=SPAR S50	POS TARG 0.0,null; GS ACQ SCENARI O BASE1B3		152.933644 Secs (152.934 Secs) [==>]	[1]
	6		(5) COSMOS-75358	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=4; SAMP-SEQ=SPAR S50	POS TARG 1.355,0. 424		152.933644 Secs (152.934 Secs) [==>]	[1]
	7		(5) COSMOS-75358	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=4; SAMP-SEQ=SPAR S50	POS TARG 0.881,1. 212		152.933644 Secs (152.934 Secs) [==>]	[1]
8		(5) COSMOS-75358	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=4; SAMP-SEQ=SPAR S50	POS TARG -0.474,0 .788		152.933644 Secs (152.934 Secs) [==>]	[1]	



Proposal 12990 - COSMOS-V4 (12) - Size Growth at the Top: WFC3 Imaging of Ultra-Massive Galaxies at $1.5 < z < 3$

Wed Jul 17 01:04:39 GMT 2013

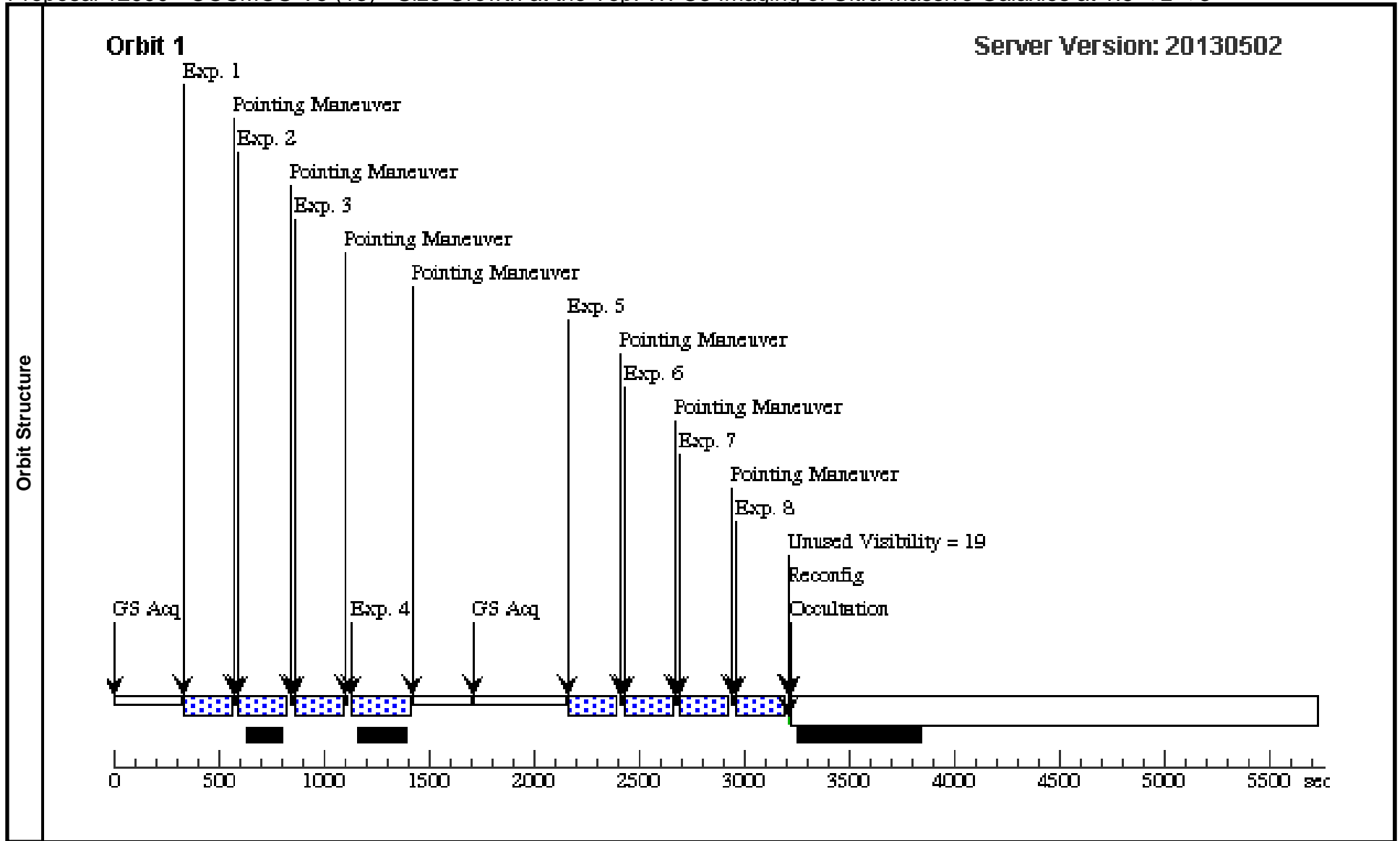
Visit	Proposal 12990, COSMOS-V4 (12), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)									
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
Fixed Targets	(7)	COSMOS-97596	RA: 10 02 32.4280 (150.6351167d) Dec: +02 22 40.59 (2.37794d) Equinox: J2000		V=25+/-2 H = 21.2822	Reference Frame: ICRS				
	(10)	COSMOS-207160	RA: 10 00 33.4790 (150.1394958d) Dec: +02 28 54.74 (2.48187d) Equinox: J2000		V=25+/-2 H = 21.0855	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(7) COSMOS-97596	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 0.0,null; GS ACQ SCENARI O BASE1B3		202.934095 Secs (202.934 Secs) [==>]	[1]
	2		(7) COSMOS-97596	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 1.355,0. 424		202.934095 Secs (202.934 Secs) [==>]	[1]
	3		(7) COSMOS-97596	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 0.881,1. 212		202.934095 Secs (202.934 Secs) [==>]	[1]
	4		(7) COSMOS-97596	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=SPAR S50	POS TARG -0.474,0 .788		252.934546 Secs (252.935 Secs) [==>]	[1]
	5		(10) COSMOS-2071 60	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 0.0,null; GS ACQ SCENARI O BASE1B3		202.934095 Secs (202.934 Secs) [==>]	[1]
	6		(10) COSMOS-2071 60	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 1.355,0. 424		202.934095 Secs (202.934 Secs) [==>]	[1]
	7		(10) COSMOS-2071 60	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 0.881,1. 212		202.934095 Secs (202.934 Secs) [==>]	[1]
8		(10) COSMOS-2071 60	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG -0.474,0 .788		202.934095 Secs (202.934 Secs) [==>]	[1]	



Proposal 12990 - COSMOS-V5 (13) - Size Growth at the Top: WFC3 Imaging of Ultra-Massive Galaxies at $1.5 < z < 3$

Wed Jul 17 01:04:39 GMT 2013

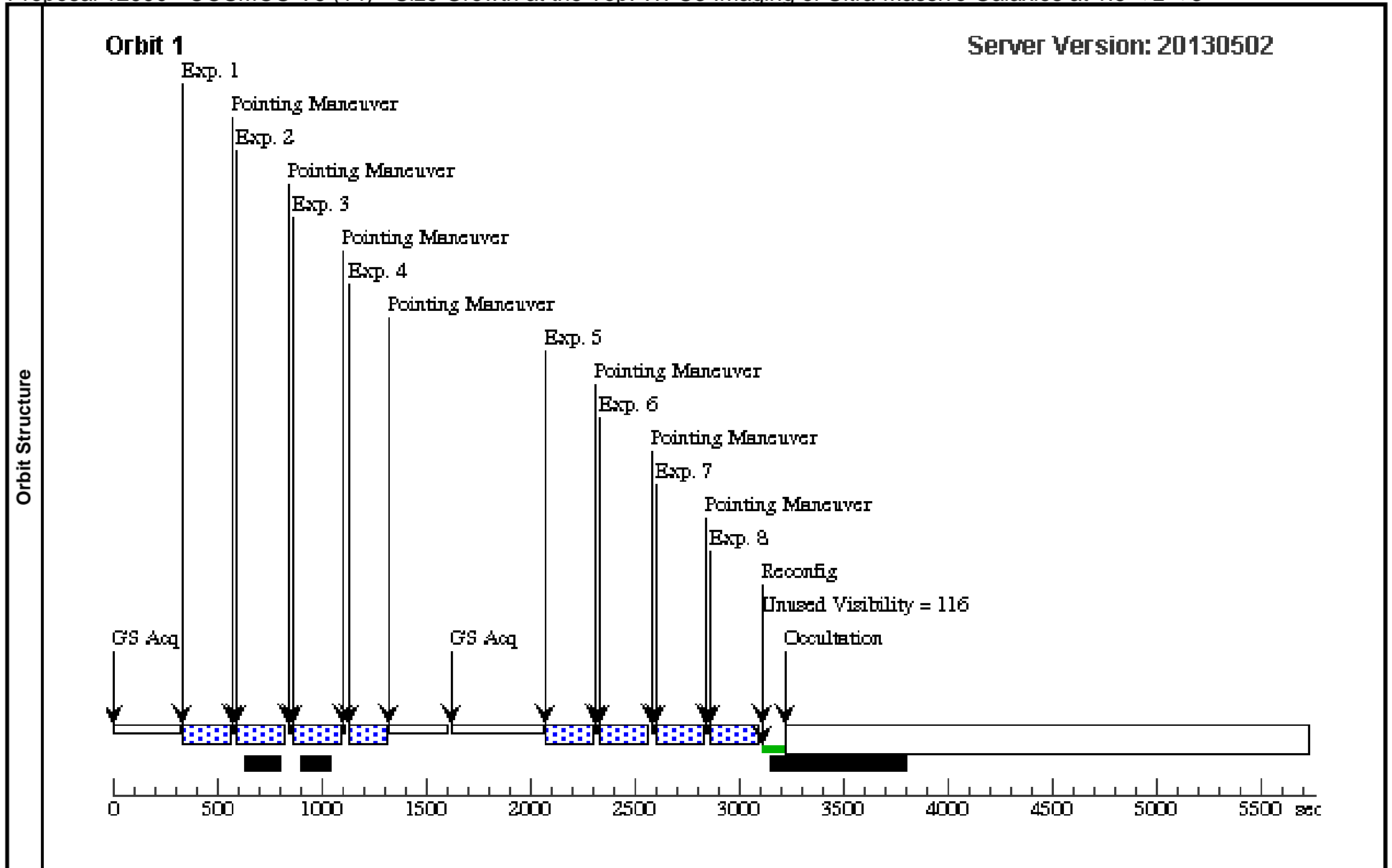
Visit	Proposal 12990, COSMOS-V5 (13), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)									
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
Fixed Targets	(6)	COSMOS-90679	RA: 10 01 57.0007 (150.4875029d) Dec: +02 16 12.14 (2.27004d) Equinox: J2000		V=25+/-2 H = 20.7169	Reference Frame: ICRS				
	(11)	COSMOS-213880	RA: 10 00 27.8137 (150.1158904d) Dec: +02 33 49.12 (2.56364d) Equinox: J2000		V=25+/-2 H = 21.1049	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(11) COSMOS-2138 80	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 0.0,null		202.934095 Secs (202.934 Secs) [==>]	[1]
	2		(11) COSMOS-2138 80	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 1.355,0. 424		202.934095 Secs (202.934 Secs) [==>]	[1]
	3		(11) COSMOS-2138 80	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 0.881,1. 212		202.934095 Secs (202.934 Secs) [==>]	[1]
	4		(11) COSMOS-2138 80	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=SPAR S50	POS TARG -0.474,0 .788		252.934546 Secs (252.935 Secs) [==>]	[1]
	5		(6) COSMOS-90679	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 0.0,null		202.934095 Secs (202.934 Secs) [==>]	[1]
	6		(6) COSMOS-90679	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 1.355,0. 424		202.934095 Secs (202.934 Secs) [==>]	[1]
	7		(6) COSMOS-90679	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 0.881,1. 212		202.934095 Secs (202.934 Secs) [==>]	[1]
8		(6) COSMOS-90679	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG -0.474,0 .788		202.934095 Secs (202.934 Secs) [==>]	[1]	



Proposal 12990 - COSMOS-V6 (14) - Size Growth at the Top: WFC3 Imaging of Ultra-Massive Galaxies at $1.5 < z < 3$

Wed Jul 17 01:04:40 GMT 2013

Visit	Proposal 12990, COSMOS-V6 (14), pi Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)									
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
Fixed Targets	(1)	COSMOS-37208	RA: 09 59 42.5940 (149.9274750d) Dec: +01 55 1.55 (1.91710d) Equinox: J2000		V=25+/-2 H = 20.6038	Reference Frame: ICRS				
	(4)	COSMOS-71932	RA: 10 01 40.5981 (150.4191588d) Dec: +01 58 57.47 (1.98263d) Equinox: J2000		V=25+/-2 H = 20.6990	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(4) COSMOS-71932	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 0.0,null; GS ACQ SCENARI O BASE1B3		202.934095 Secs (202.934 Secs) [==>]	[1]
	2		(4) COSMOS-71932	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 1.355,0. 424		202.934095 Secs (202.934 Secs) [==>]	[1]
	3		(4) COSMOS-71932	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 0.881,1. 212		202.934095 Secs (202.934 Secs) [==>]	[1]
	4		(4) COSMOS-71932	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=4; SAMP-SEQ=SPAR S50	POS TARG -0.474,0 .788		152.933644 Secs (152.934 Secs) [==>]	[1]
	5		(1) COSMOS-37208	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 0.0,null; GS ACQ SCENARI O BASE1B3		202.934095 Secs (202.934 Secs) [==>]	[1]
	6		(1) COSMOS-37208	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 1.355,0. 424		202.934095 Secs (202.934 Secs) [==>]	[1]
	7		(1) COSMOS-37208	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 0.881,1. 212		202.934095 Secs (202.934 Secs) [==>]	[1]
8		(1) COSMOS-37208	WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG -0.474,0 .788		202.934095 Secs (202.934 Secs) [==>]	[1]	



Proposal 12990 - COSMOS-V7 (15) - Size Growth at the Top: WFC3 Imaging of Ultra-Massive Galaxies at $1.5 < z < 3$

Visit	Proposal 12990, COSMOS-V7 (15), completed					Wed Jul 17 01:04:41 GMT 2013				
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
		(29)	COSMOS-0000	RA: 10 00 50.5500 (150.2106250d) Dec: +02 49 1.00 (2.81694d) Equinox: J2000		V=25+/-2 H = 21.5	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(29) COSMOS-0000		WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=7; SAMP-SEQ=SPAR S50			302.934997 Secs (302.935 Secs) [==>]	[1]
	2	(29) COSMOS-0000		WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=7; SAMP-SEQ=SPAR S50	POS TARG 1.355,0. 424		302.934997 Secs (302.935 Secs) [==>]	[1]
	3	(29) COSMOS-0000		WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=7; SAMP-SEQ=SPAR S50	POS TARG 0.881,1. 212		302.934997 Secs (302.935 Secs) [==>]	[1]
	4	(29) COSMOS-0000		WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=7; SAMP-SEQ=SPAR S50	POS TARG -0.474,0 .788		302.934997 Secs (302.935 Secs) [==>]	[1]
	5	(29) COSMOS-0000		WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=7; SAMP-SEQ=SPAR S50	POS TARG 0.0,0.0		302.934997 Secs (302.935 Secs) [==>]	[1]
	6	(29) COSMOS-0000		WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=7; SAMP-SEQ=SPAR S50	POS TARG 1.355,0. 424		302.934997 Secs (302.935 Secs) [==>]	[1]
	7	(29) COSMOS-0000		WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=7; SAMP-SEQ=SPAR S50	POS TARG 0.881,1. 212		302.934997 Secs (302.935 Secs) [==>]	[1]
	8	(29) COSMOS-0000		WFC3/IR, MULTIACCUM, IR	F160W	NSAMP=6; SAMP-SEQ=SPAR S50	POS TARG -0.474,0 .788		252.934546 Secs (252.935 Secs) [==>]	[1]

