



13792 - A Complete Census of the Bright $z\sim 9-10$ Galaxies in the CANDELS Data Set

Cycle: 22, Proposal Category: GO

(Availability Mode: SUPPORTED)

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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>
02	(3) COSMOS-Z9-1 ANY	ACS/WFC WFC3/IR	1	19-May-2015 21:14:40.0	yes
12	(1) UDS-Z9-1 ANY	ACS/WFC WFC3/IR	1	19-May-2015 21:14:43.0	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>
03	(4) COSMOS-Z9-2 ANY	ACS/WFC WFC3/IR	1	19-May-2015 21:14:46.0	yes
04	(6) COSMOS-Z9-3 ANY	ACS/WFC WFC3/IR	1	19-May-2015 21:14:49.0	yes
05	(7) COSMOS-Z9-4 ANY	ACS/WFC WFC3/IR	1	19-May-2015 21:14:53.0	yes
06	(8) EGS-Z9-1 (14) EGS-Z9-7 ANY	ACS/WFC WFC3/IR	1	19-May-2015 21:14:55.0	yes
07	(9) EGS-Z9-2 ANY	ACS/WFC WFC3/IR	1	19-May-2015 21:14:58.0	yes
08	(10) UDS-Z9-2 ANY	ACS/WFC WFC3/IR	1	19-May-2015 21:15:01.0	yes
09	(11) EGS-Z9-4 ANY	ACS/WFC WFC3/IR	1	19-May-2015 21:15:04.0	yes
10	(12) EGS-Z9-5 ANY	ACS/WFC WFC3/IR	1	19-May-2015 21:15:08.0	yes
11	(13) EGS-Z9-6 ANY	ACS/WFC WFC3/IR	1	19-May-2015 21:15:10.0	yes

11 Total Orbits Used

ABSTRACT

At present, we have only limited information on the spectral properties, stellar masses, and luminosity function of galaxies at $z\sim 9-10$. While the new Frontier Fields Initiative will significantly improve our knowledge of the prevalence of fainter sources at these epochs, no comparable HST programs exist to study the properties of the brighter $z\sim 9-10$ galaxies. This is unfortunate given that the brighter $z\sim 9-10$ candidates are more amenable to follow-up study with facilities such as Spitzer and ALMA and the existence of only 8 reasonably reliable bright candidates (only 3 visible to ALMA). Fortunately, we can rectify this situation by using the existing HST+Spitzer observations over the full CANDELS program to identify all plausible $z\sim 9-10$ candidates in that data set, but which lack sufficiently deep 1-micron observations to be secure. Here we propose to follow up each of these

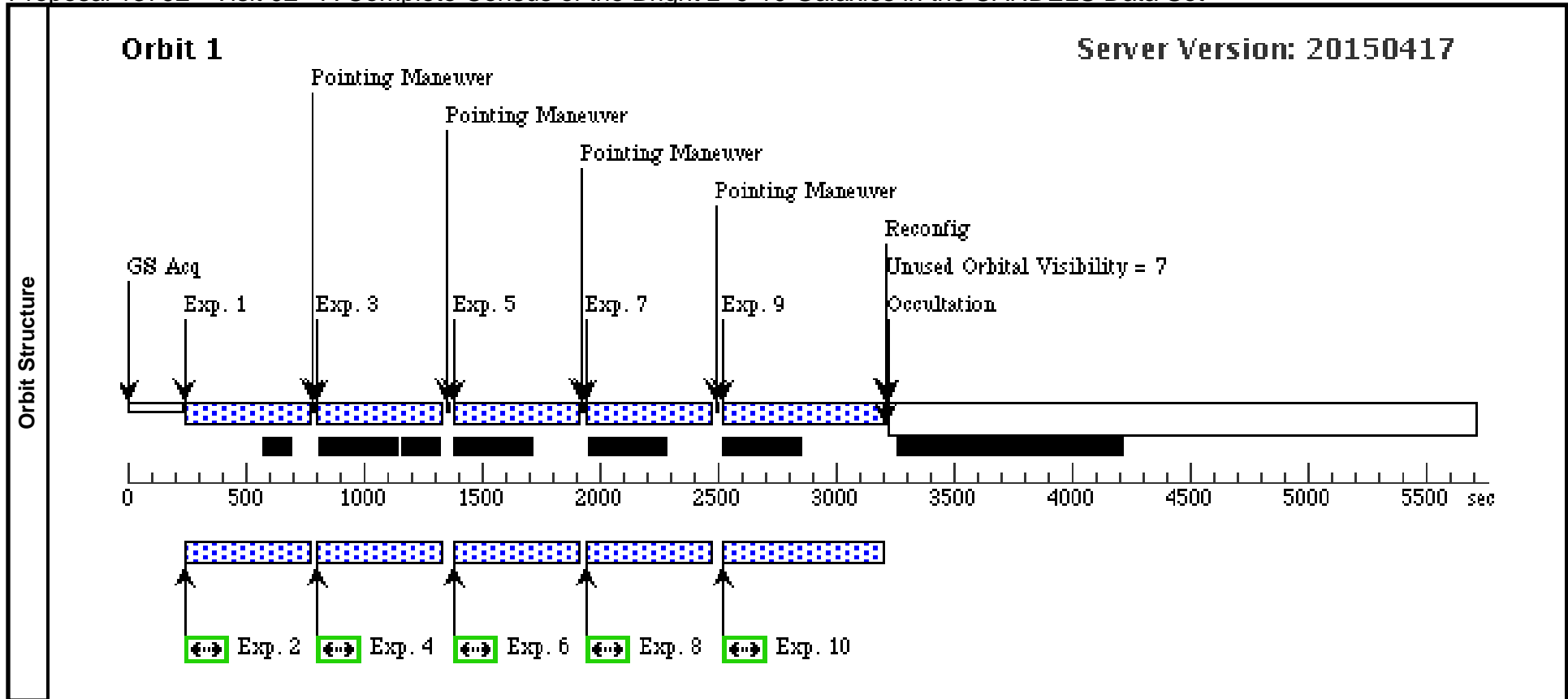
Proposal 13792 (STScI Edit Number: 10, Created: Tuesday, May 19, 2015 8:15:12 PM EST) - Overview

candidates with WFC3/IR at 1-micron F105W to determine which are likely at $z \sim 9-10$ and thereby almost certainly doubling the number of bright, reliable $z \sim 9-10$ candidates known to ~ 17 galaxies. Our follow-up strategy is very efficient, e.g., $> \sim 10x$ more efficient as tiling the relevant CANDELS fields with 1-micron F105W data and $\sim 40x$ more efficient as searches in fields with no pre-existing data. The large samples of bright $z \sim 9-10$ galaxies we will select with our program will be used to solidify current conclusions about the evolution of the bright end of the UV luminosity function, to quantify evolution in the mean spectral properties and stellar masses of galaxies from $z \sim 10$, and as targets for follow-up studies on dust emission from galaxies with ALMA.

Proposal 13792 - Visit 02 - A Complete Census of the Bright z~9-10 Galaxies in the CANDELS Data Set

Wed May 20 01:15:12 GMT 2015

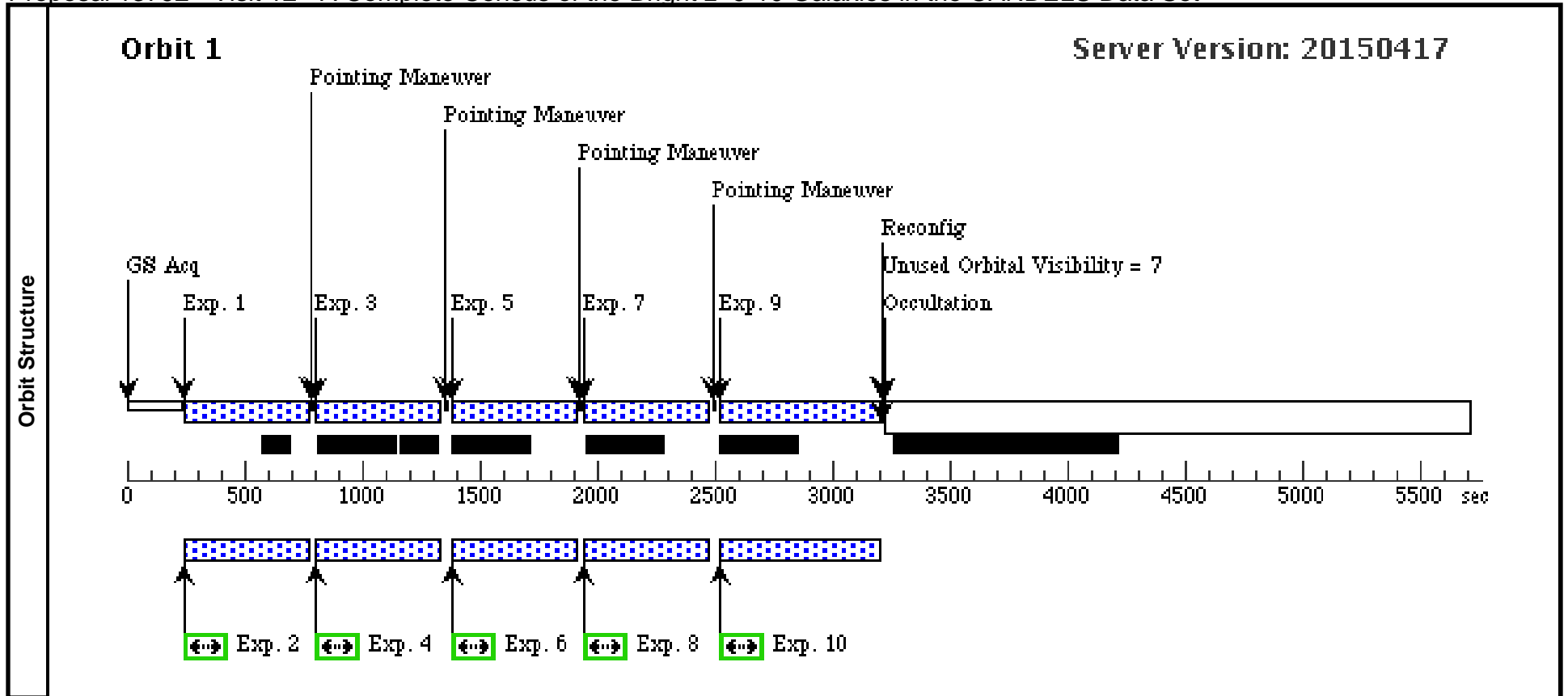
Fixed Targets	Visit									
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	Proposal 13792, Visit 02, completed									
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/IR, ACS/WFC									
	Special Requirements: ORIENT 75D TO 75 D									
	(3)	COSMOS-Z9-1	RA: 10 00 44.1560 (150.1839833d) Dec: +02 24 40.53 (2.41126d) Equinox: J2000		V=26	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-Z9-1	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=6; SAMP-SEQ=SPAR S100	POS TARG 0,0; GS ACQ SCENARI O SINGLE	Prime + Parallel Group 1-2 in Visit 02	502.933906 Secs (502.934 Secs) [==>]	[1]
	2		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 1-2 in Visit 02	325.0 Secs (325 Secs) [==>]	[1]
	3		(3) COSMOS-Z9-1	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=6; SAMP-SEQ=SPAR S100	POS TARG -2.5,-0.5	Prime + Parallel Group 3-4 in Visit 02	502.933906 Secs (502.934 Secs) [==>]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 3-4 in Visit 02	407.0 Secs (407 Secs) [==>]	[1]
	5		(3) COSMOS-Z9-1	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=6; SAMP-SEQ=SPAR S100	POS TARG 2.5,0.5	Prime + Parallel Group 5-6 in Visit 02	502.933906 Secs (502.934 Secs) [==>]	[1]
	6		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 5-6 in Visit 02	407.0 Secs (407 Secs) [==>]	[1]
	7		(3) COSMOS-Z9-1	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=6; SAMP-SEQ=SPAR S100	POS TARG +0.5,2.5	Prime + Parallel Group 7-8 in Visit 02	502.933906 Secs (502.934 Secs) [==>]	[1]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-8 in Visit 02	457.0 Secs (407 Secs) [==>407.0 Secs]	[1]
	9		(3) COSMOS-Z9-1	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=14; SAMP-SEQ=SPAR S50	POS TARG -0.5,-2.5	Prime + Parallel Group 9-10 in Visit 02	652.938154 Secs (652.938 Secs) [==>]	[1]
10		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 9-10 in Visit 02	340.0 Secs (557 Secs) [==>557.0 Secs]	[1]	



Proposal 13792 - Visit 12 - A Complete Census of the Bright z~9-10 Galaxies in the CANDELS Data Set

Wed May 20 01:15:13 GMT 2015

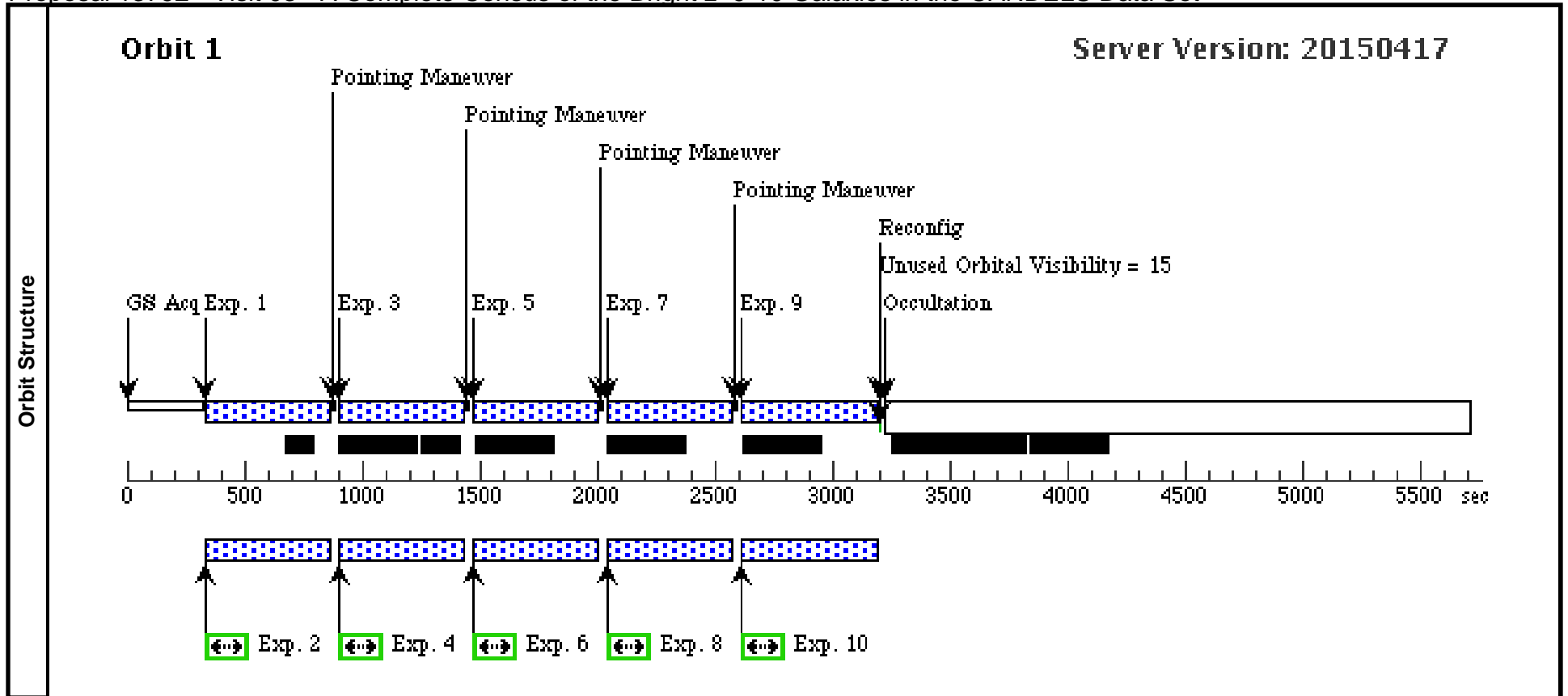
Visit	Proposal 13792, Visit 12, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: ORIENT 17D TO 17 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	UDS-Z9-1	RA: 02 17 54.5000 (34.4770833d) Dec: -05 11 41.29 (-5.19480d) Equinox: J2000		V=26	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1) UDS-Z9-1	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=6; SAMP-SEQ=SPAR S100	POS TARG 0,0; GS ACQ SCENARI O SINGLE	Prime + Parallel Group 1-2 in Visit 12	502.933906 Secs (502.934 Secs) [==>]	[1]	
	2	ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 1-2 in Visit 12	325.0 Secs (325 Secs) [==>]	[1]	
	3	(1) UDS-Z9-1	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=6; SAMP-SEQ=SPAR S100	POS TARG -2.5,-0.5	Prime + Parallel Group 3-4 in Visit 12	502.933906 Secs (502.934 Secs) [==>]	[1]	
	4	ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 3-4 in Visit 12	407.0 Secs (407 Secs) [==>]	[1]	
	5	(1) UDS-Z9-1	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=6; SAMP-SEQ=SPAR S100	POS TARG 2.5,0.5	Prime + Parallel Group 5-6 in Visit 12	502.933906 Secs (502.934 Secs) [==>]	[1]	
	6	ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 5-6 in Visit 12	407.0 Secs (407 Secs) [==>]	[1]	
	7	(1) UDS-Z9-1	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=6; SAMP-SEQ=SPAR S100	POS TARG +0.5,2.5	Prime + Parallel Group 7-8 in Visit 12	502.933906 Secs (502.934 Secs) [==>]	[1]	
	8	ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-8 in Visit 12	457.0 Secs (407 Secs) [==>407.0 Secs]	[1]	
	9	(1) UDS-Z9-1	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=14; SAMP-SEQ=SPAR S50	POS TARG -0.5,-2.5	Prime + Parallel Group 9-10 in Visit 12	652.938154 Secs (652.938 Secs) [==>]	[1]	
10	ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 9-10 in Visit 12	340.0 Secs (557 Secs) [==>557.0 Secs]	[1]		



Proposal 13792 - Visit 03 - A Complete Census of the Bright z~9-10 Galaxies in the CANDELS Data Set

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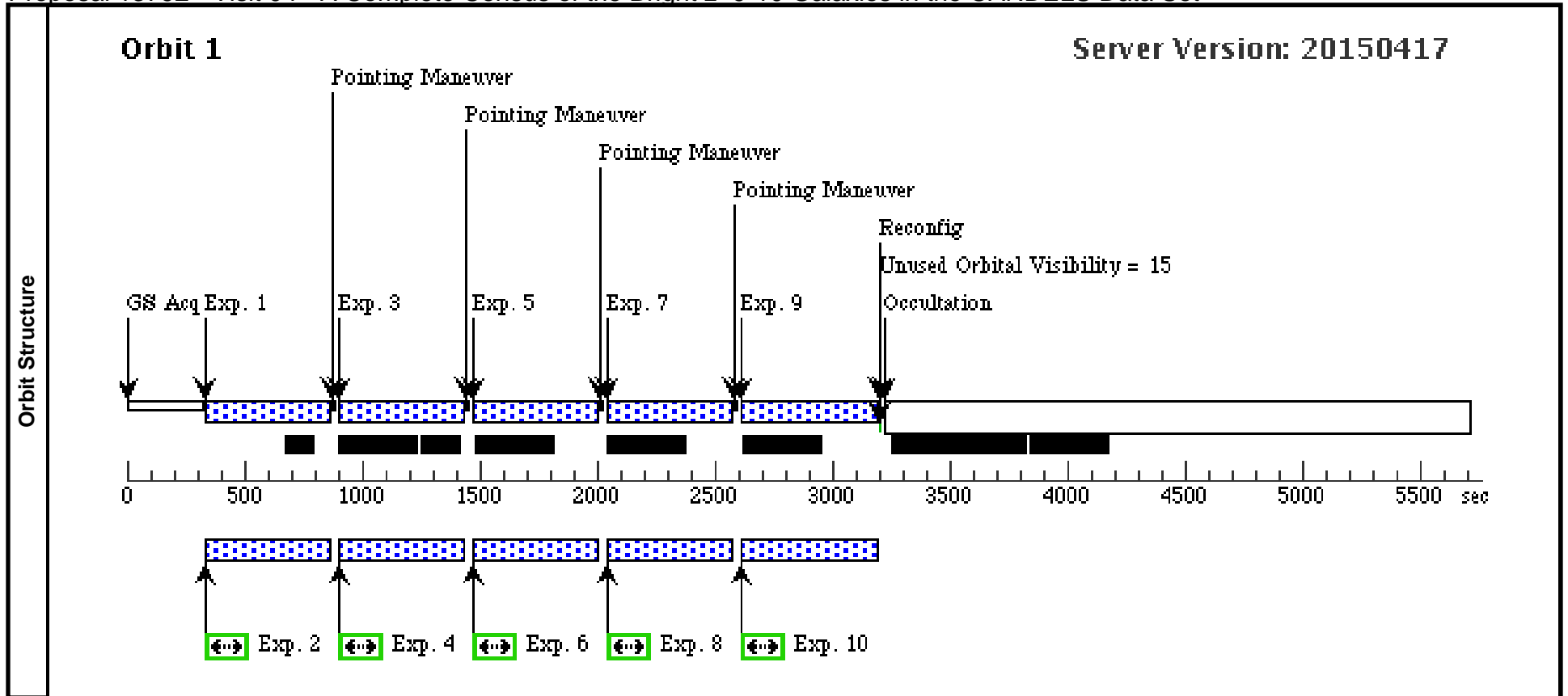
Visit	Proposal 13792, Visit 03, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: ORIENT 120D TO 120 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(4)	COSMOS-Z9-2	RA: 10 00 26.1290 (150.1088708d) Dec: +02 11 44.01 (2.19556d) Equinox: J2000		V=26	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-Z9-2	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=6; SAMP-SEQ=SPAR S100	POS TARG 0,0; GS ACQ SCENARI O BASE1B3	Prime + Parallel Group 1-2 in Visit 03	502.933906 Secs (502.934 Secs) [==>]	[1]
	2	ANY		ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 1-2 in Visit 03	325.0 Secs (325 Secs) [==>]	[1]
	3		(4) COSMOS-Z9-2	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=6; SAMP-SEQ=SPAR S100	POS TARG -2.5,-0.5	Prime + Parallel Group 3-4 in Visit 03	502.933906 Secs (502.934 Secs) [==>]	[1]
	4	ANY		ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 3-4 in Visit 03	407.0 Secs (407 Secs) [==>]	[1]
	5		(4) COSMOS-Z9-2	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=6; SAMP-SEQ=SPAR S100	POS TARG 2.5,0.5	Prime + Parallel Group 5-6 in Visit 03	502.933906 Secs (502.934 Secs) [==>]	[1]
	6	ANY		ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 5-6 in Visit 03	407.0 Secs (407 Secs) [==>]	[1]
	7		(4) COSMOS-Z9-2	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=6; SAMP-SEQ=SPAR S100	POS TARG +0.5,2.5	Prime + Parallel Group 7-8 in Visit 03	502.933906 Secs (502.934 Secs) [==>]	[1]
	8	ANY		ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-8 in Visit 03	457.0 Secs (407 Secs) [==>407.0 Secs]	[1]
	9		(4) COSMOS-Z9-2	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG -0.5,-2.5	Prime + Parallel Group 9-10 in Visit 03	552.937252 Secs (552.937 Secs) [==>]	[1]
10	ANY		ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 9-10 in Visit 03	340.0 Secs (457 Secs) [==>457.0 Secs]	[1]	



Proposal 13792 - Visit 04 - A Complete Census of the Bright z~9-10 Galaxies in the CANDELS Data Set

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Visit	Proposal 13792, Visit 04, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: ORIENT 110D TO 110 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(6)	COSMOS-Z9-3	RA: 10 00 26.4390 (150.1101625d) Dec: +02 22 53.60 (2.38156d) Equinox: J2000		V=26	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(6) COSMOS-Z9-3	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=6; SAMP-SEQ=SPAR S100	POS TARG 0,0; GS ACQ SCENARI O BASE1B3	Prime + Parallel Group 1-2 in Visit 04	502.933906 Secs (502.934 Secs) [==>]	[1]
	2		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 1-2 in Visit 04	325.0 Secs (325 Secs) [==>]	[1]
	3		(6) COSMOS-Z9-3	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=6; SAMP-SEQ=SPAR S100	POS TARG -2.5,-0.5	Prime + Parallel Group 3-4 in Visit 04	502.933906 Secs (502.934 Secs) [==>]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 3-4 in Visit 04	407.0 Secs (407 Secs) [==>]	[1]
	5		(6) COSMOS-Z9-3	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=6; SAMP-SEQ=SPAR S100	POS TARG 2.5,0.5	Prime + Parallel Group 5-6 in Visit 04	502.933906 Secs (502.934 Secs) [==>]	[1]
	6		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 5-6 in Visit 04	407.0 Secs (407 Secs) [==>]	[1]
	7		(6) COSMOS-Z9-3	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=6; SAMP-SEQ=SPAR S100	POS TARG +0.5,2.5	Prime + Parallel Group 7-8 in Visit 04	502.933906 Secs (502.934 Secs) [==>]	[1]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-8 in Visit 04	457.0 Secs (407 Secs) [==>407.0 Secs]	[1]
	9		(6) COSMOS-Z9-3	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG -0.5,-2.5	Prime + Parallel Group 9-10 in Visit 04	552.937252 Secs (552.937 Secs) [==>]	[1]
10		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 9-10 in Visit 04	340.0 Secs (457 Secs) [==>457.0 Secs]	[1]	



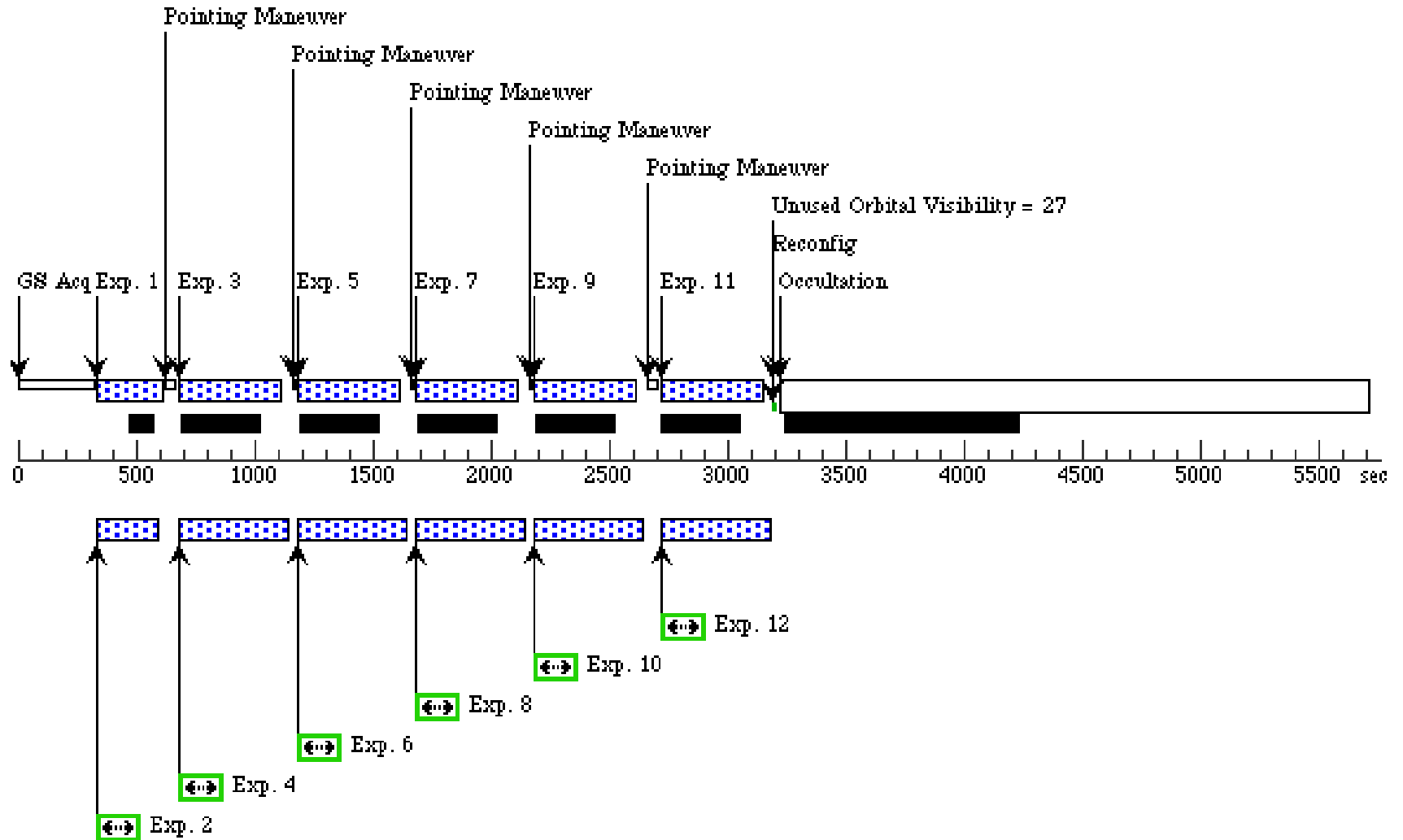
Proposal 13792 - Visit 05 - A Complete Census of the Bright z~9-10 Galaxies in the CANDELS Data Set

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Visit	Proposal 13792, Visit 05, scheduled Diagnostic Status: Warning Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: ORIENT 132D TO 132 D									
	(Visit 05) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE (Visit 05) Warning (Orbit Planner): POS TARG OUTSIDE OF APERTURE									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(7)	COSMOS-Z9-4	RA: 10 00 19.0800 (150.0795000d) Dec: +02 11 32.57 (2.19238d) Equinox: J2000		V=26	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-Z9-4	WFC3/IR, MULTIACCUM, IR-FIX	F140W	NSAMP=6; SAMP-SEQ=SPAR S50	POS TARG 73,0; GS ACQ SCENARI O BASE1B3	Prime + Parallel Group 1-2 in Visit 05	252.934546 Secs (252.935 Secs) [==>]	[1]
	2		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 1-2 in Visit 05	55 Secs (55 Secs) [==>]	[1]
	3		(7) COSMOS-Z9-4	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=5; SAMP-SEQ=SPAR S100	POS TARG -12.5,-0.5	Prime + Parallel Group 3-4 in Visit 05	402.933583 Secs (402.934 Secs) [==>]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 3-4 in Visit 05	337 Secs (337 Secs) [==>]	[1]
	5		(7) COSMOS-Z9-4	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=5; SAMP-SEQ=SPAR S100	POS TARG -17.5,0.5	Prime + Parallel Group 5-6 in Visit 05	402.933583 Secs (402.934 Secs) [==>]	[1]
	6		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 5-6 in Visit 05	337 Secs (337 Secs) [==>]	[1]
	7		(7) COSMOS-Z9-4	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=5; SAMP-SEQ=SPAR S100	POS TARG -14.5,2.5	Prime + Parallel Group 7-8 in Visit 05	402.933583 Secs (402.934 Secs) [==>]	[1]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-8 in Visit 05	337 Secs (337 Secs) [==>]	[1]
	9		(7) COSMOS-Z9-4	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=5; SAMP-SEQ=SPAR S100	POS TARG -14.5,-2.5	Prime + Parallel Group 9-10 in Visit 05	402.933583 Secs (402.934 Secs) [==>]	[1]
	10		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 9-10 in Visit 05	337 Secs (337 Secs) [==>]	[1]
	11		(7) COSMOS-Z9-4	WFC3/IR, MULTIACCUM, IR-FIX	F140W	NSAMP=5; SAMP-SEQ=SPAR S100	POS TARG 72.5,-2.5	Prime + Parallel Group 11-12 in Visit 05	402.933583 Secs (402.934 Secs) [==>]	[1]
	12		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 11-12 in Visit 05	337 Secs (337 Secs) [==>]	[1]

Orbit Structure

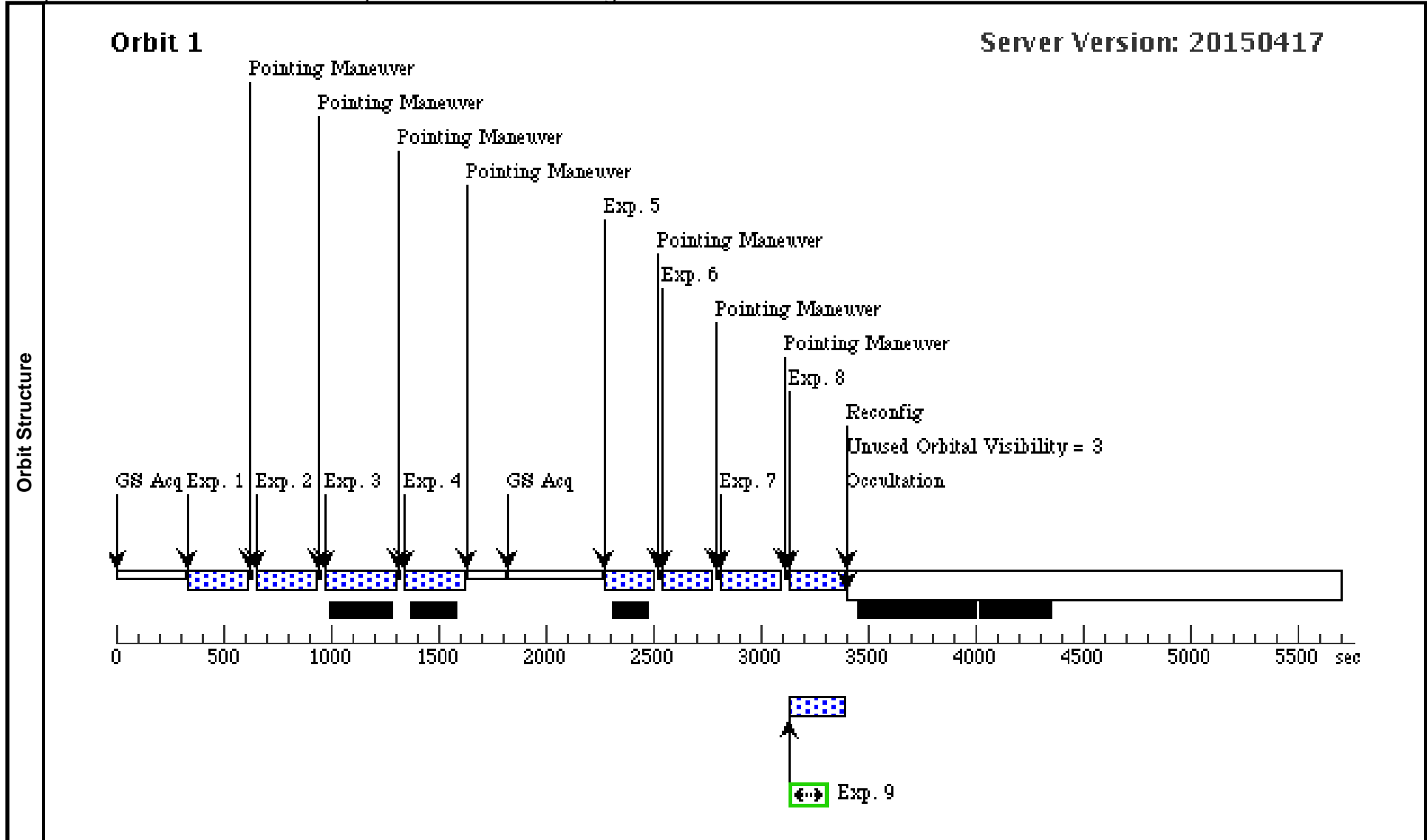
Orbit 1



Proposal 13792 - Visit 06 - A Complete Census of the Bright z~9-10 Galaxies in the CANDELS Data Set

Wed May 20 01:15:14 GMT 2015

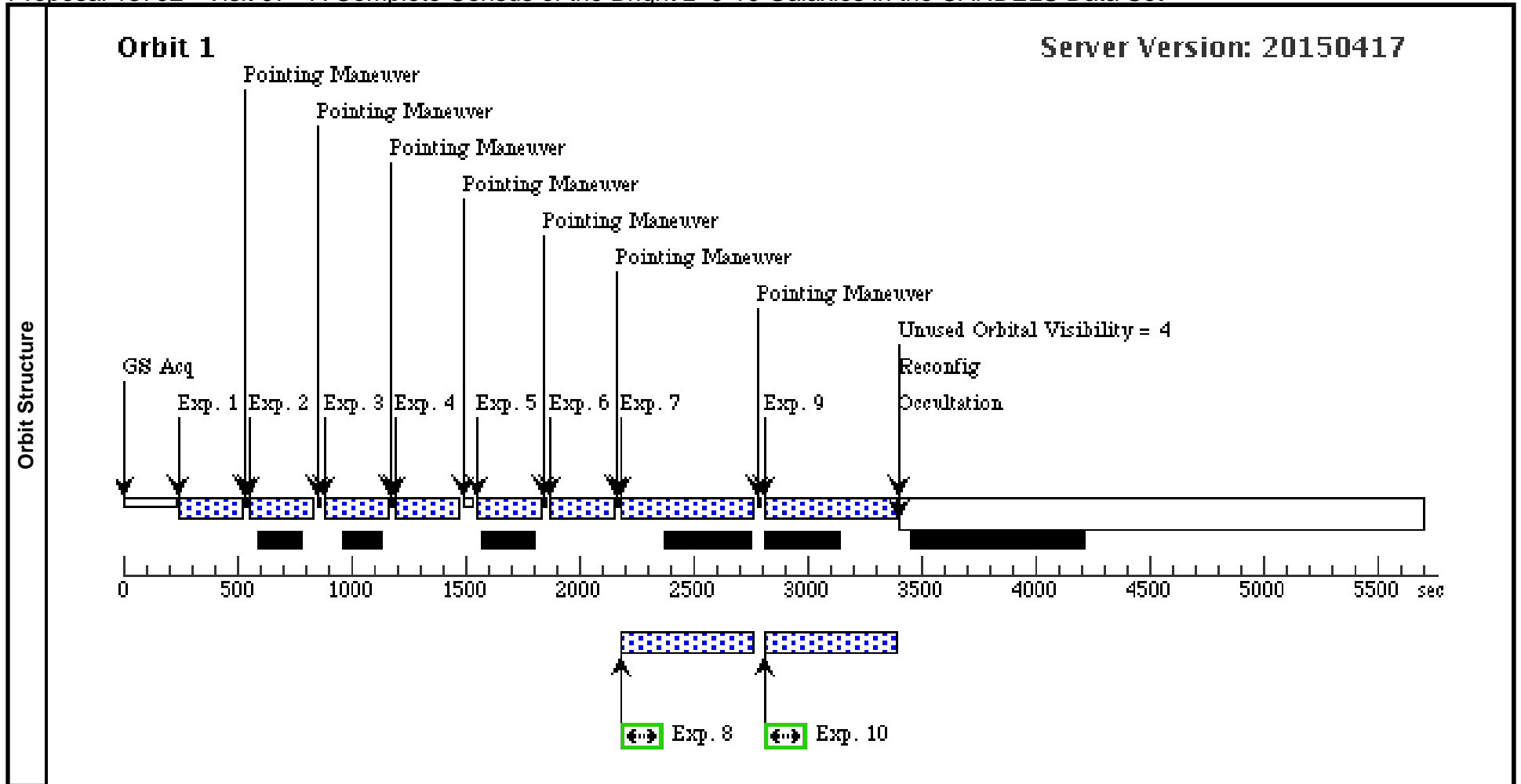
Visit	Proposal 13792, Visit 06, scheduled Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: ORIENT 139D TO 139 D									
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
Fixed Targets	(8)	EGS-Z9-1	RA: 14 19 16.8000 (214.8200000d) Dec: +52 45 42.70 (52.76186d) Equinox: J2000		V=26	Reference Frame: ICRS				
	(14)	EGS-Z9-7	RA: 14 20 40.0000 (215.1666667d) Dec: +52 59 16.70 (52.98797d) Equinox: J2000		V=26	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(8) EGS-Z9-1	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=6; SAMP-SEQ=SPAR S50	POS TARG 0,0		252.934546 Secs (252.935 Secs) [==>]	[1]
	2		(8) EGS-Z9-1	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=6; SAMP-SEQ=SPAR S50	POS TARG -2.5,-0.5		252.934546 Secs (252.935 Secs) [==>]	[1]
	3		(8) EGS-Z9-1	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=7; SAMP-SEQ=SPAR S50	POS TARG 2.5,0.5		302.934997 Secs (302.935 Secs) [==>]	[1]
	4		(8) EGS-Z9-1	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=6; SAMP-SEQ=SPAR S50	POS TARG +0.5,2.5		252.934546 Secs (252.935 Secs) [==>]	[1]
	5		(14) EGS-Z9-7	WFC3/IR, MULTIACCUM, IR-FIX	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG -0.5,-2.5		202.934095 Secs (202.934 Secs) [==>]	[1]
	6		(14) EGS-Z9-7	WFC3/IR, MULTIACCUM, IR-FIX	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG -2.5,-0.5		202.934095 Secs (202.934 Secs) [==>]	[1]
	7		(14) EGS-Z9-7	WFC3/IR, MULTIACCUM, IR-FIX	F140W	NSAMP=6; SAMP-SEQ=SPAR S50	POS TARG 0.5,2.5		252.934546 Secs (252.935 Secs) [==>]	[1]
	8		(14) EGS-Z9-7	WFC3/IR, MULTIACCUM, IR-FIX	F140W	NSAMP=10; SAMP-SEQ=SPAR S25	POS TARG 2.5,0.5	Prime + Parallel Group 8-9 in Visit 06	227.936926 Secs (227.937 Secs) [==>]	[1]
	9		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 8-9 in Visit 06	50 Secs (46 Secs) [==>46.0 Secs]	[1]



Proposal 13792 - Visit 07 - A Complete Census of the Bright z~9-10 Galaxies in the CANDELS Data Set

Wed May 20 01:15:14 GMT 2015

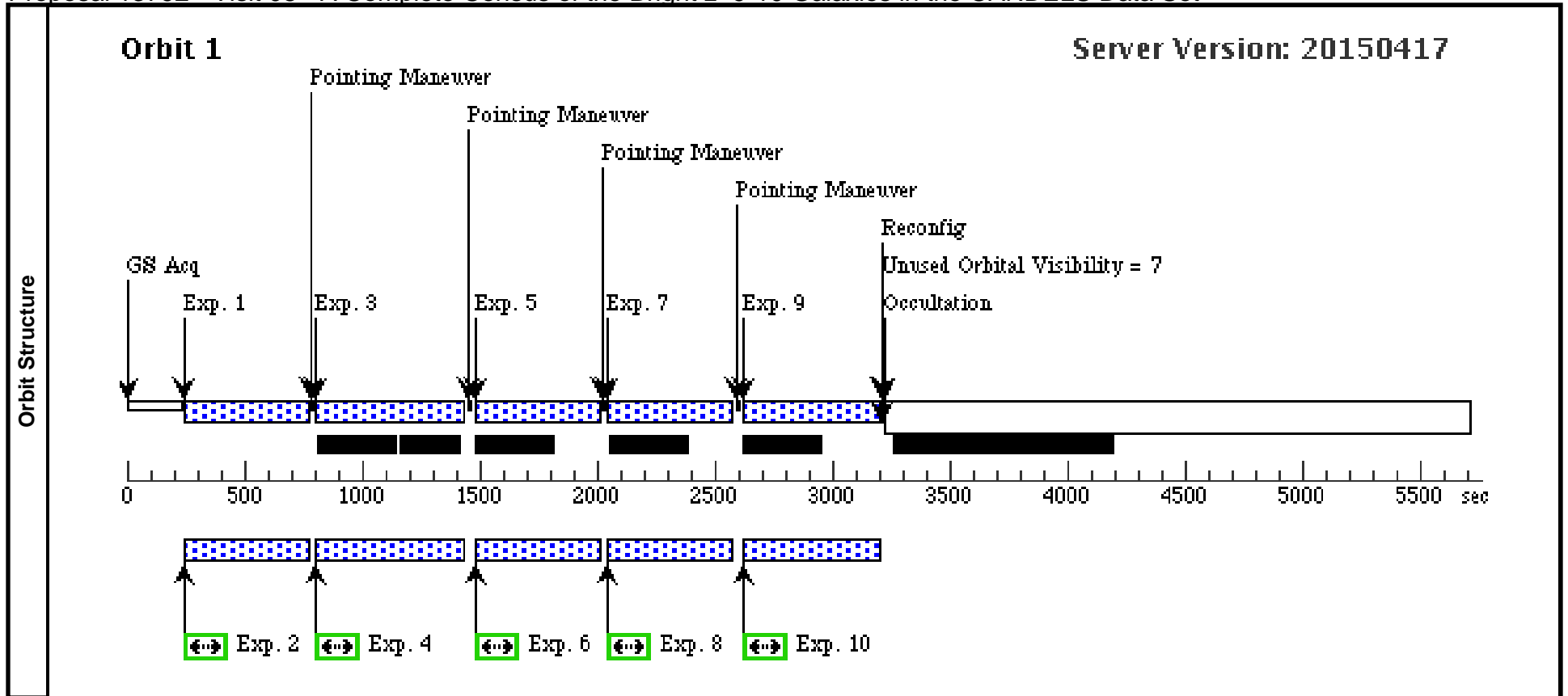
Visit	Proposal 13792, Visit 07, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: ORIENT 329D TO 329 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(9)	EGS-Z9-2	RA: 14 20 22.9700 (215.0957083d) Dec: +53 01 0.50 (53.01681d) Equinox: J2000			V=26	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(9) EGS-Z9-2	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=6; SAMP-SEQ=SPAR S50	POS TARG -49.1,1; GS ACQ SCENARI O SINGLE			252.934546 Secs (252.935 Secs) [==>]	[1]
	2	(9) EGS-Z9-2	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=6; SAMP-SEQ=SPAR S50	POS TARG -51.5,0. 5			252.934546 Secs (252.935 Secs) [==>]	[1]
	3	(9) EGS-Z9-2	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=6; SAMP-SEQ=SPAR S50	POS TARG -46.5,-0. 5			252.934546 Secs (252.935 Secs) [==>]	[1]
	4	(9) EGS-Z9-2	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=6; SAMP-SEQ=SPAR S50	POS TARG -48.9,1			252.934546 Secs (252.935 Secs) [==>]	[1]
	5	(9) EGS-Z9-2	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=6; SAMP-SEQ=SPAR S50	POS TARG 44.9,1			252.934546 Secs (252.935 Secs) [==>]	[1]
	6	(9) EGS-Z9-2	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=6; SAMP-SEQ=SPAR S50	POS TARG 45.1,-1			252.934546 Secs (252.935 Secs) [==>]	[1]
	7	(9) EGS-Z9-2	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG 42.5,0.5	Prime + Parallel Gro up 7-8 in Visit 07		552.937252 Secs (552.937 Secs) [==>]	[1]
	8	ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 7-8 in Visit 07		325.0 Secs (375 Secs) [==>375.0 Secs]	[1]
	9	(9) EGS-Z9-2	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG 47.5,-0. 5	Prime + Parallel Gro up 9-10 in Visit 07		552.937252 Secs (552.937 Secs) [==>]	[1]
10	ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Gro up 9-10 in Visit 07		407.0 Secs (457 Secs) [==>457.0 Secs]	[1]	



Proposal 13792 - Visit 08 - A Complete Census of the Bright z~9-10 Galaxies in the CANDELS Data Set

Wed May 20 01:15:14 GMT 2015

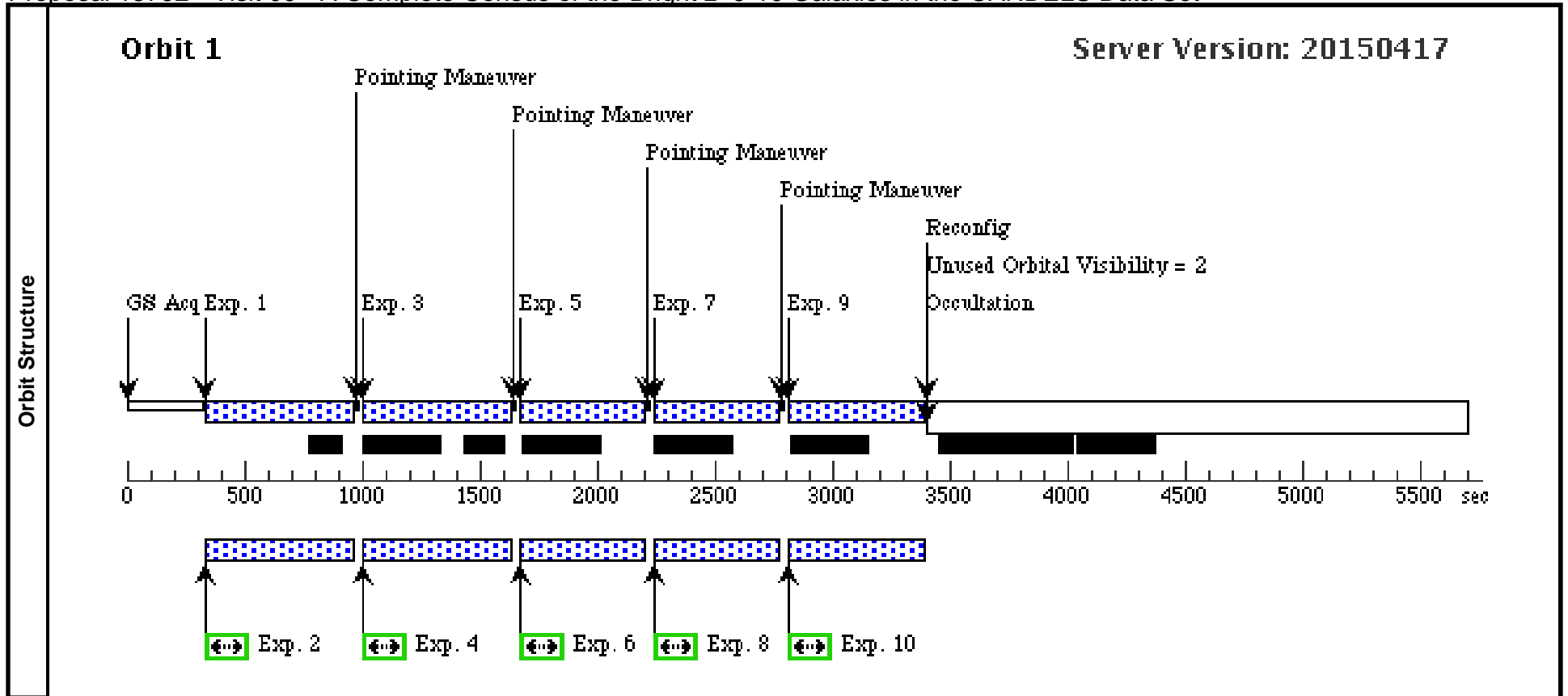
Fixed Targets	Visit									
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(10)	UDS-Z9-2	RA: 02 17 17.7630 (34.3240125d) Dec: -05 08 42.72 (-5.14520d) Equinox: J2000		V=26	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(10) UDS-Z9-2	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=6; SAMP-SEQ=SPAR S100	POS TARG 0,0; GS ACQ SCENARI O SINGLE	Prime + Parallel Group 1-2 in Visit 08	502.933906 Secs (502.934 Secs) [==>]	[1]
	2		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 1-2 in Visit 08	325.0 Secs (325 Secs) [==>325.0 Secs]	[1]
	3		(10) UDS-Z9-2	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=7; SAMP-SEQ=SPAR S100	POS TARG -2.5,-0.5	Prime + Parallel Group 3-4 in Visit 08	602.934229 Secs (602.934 Secs) [==>]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 3-4 in Visit 08	407.0 Secs (507 Secs) [==>507.0 Secs]	[1]
	5		(10) UDS-Z9-2	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=6; SAMP-SEQ=SPAR S100	POS TARG 2.5,0.5	Prime + Parallel Group 5-6 in Visit 08	502.933906 Secs (502.934 Secs) [==>]	[1]
	6		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 5-6 in Visit 08	407.0 Secs (407 Secs) [==>]	[1]
	7		(10) UDS-Z9-2	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=6; SAMP-SEQ=SPAR S100	POS TARG +0.5,2.5	Prime + Parallel Group 7-8 in Visit 08	502.933906 Secs (502.934 Secs) [==>]	[1]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-8 in Visit 08	457.0 Secs (407 Secs) [==>407.0 Secs]	[1]
	9		(10) UDS-Z9-2	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG -0.5,-2.5	Prime + Parallel Group 9-10 in Visit 08	552.937252 Secs (552.937 Secs) [==>]	[1]
10		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 9-10 in Visit 08	340.0 Secs (457 Secs) [==>457.0 Secs]	[1]	



Proposal 13792 - Visit 09 - A Complete Census of the Bright z~9-10 Galaxies in the CANDELS Data Set

Wed May 20 01:15:14 GMT 2015

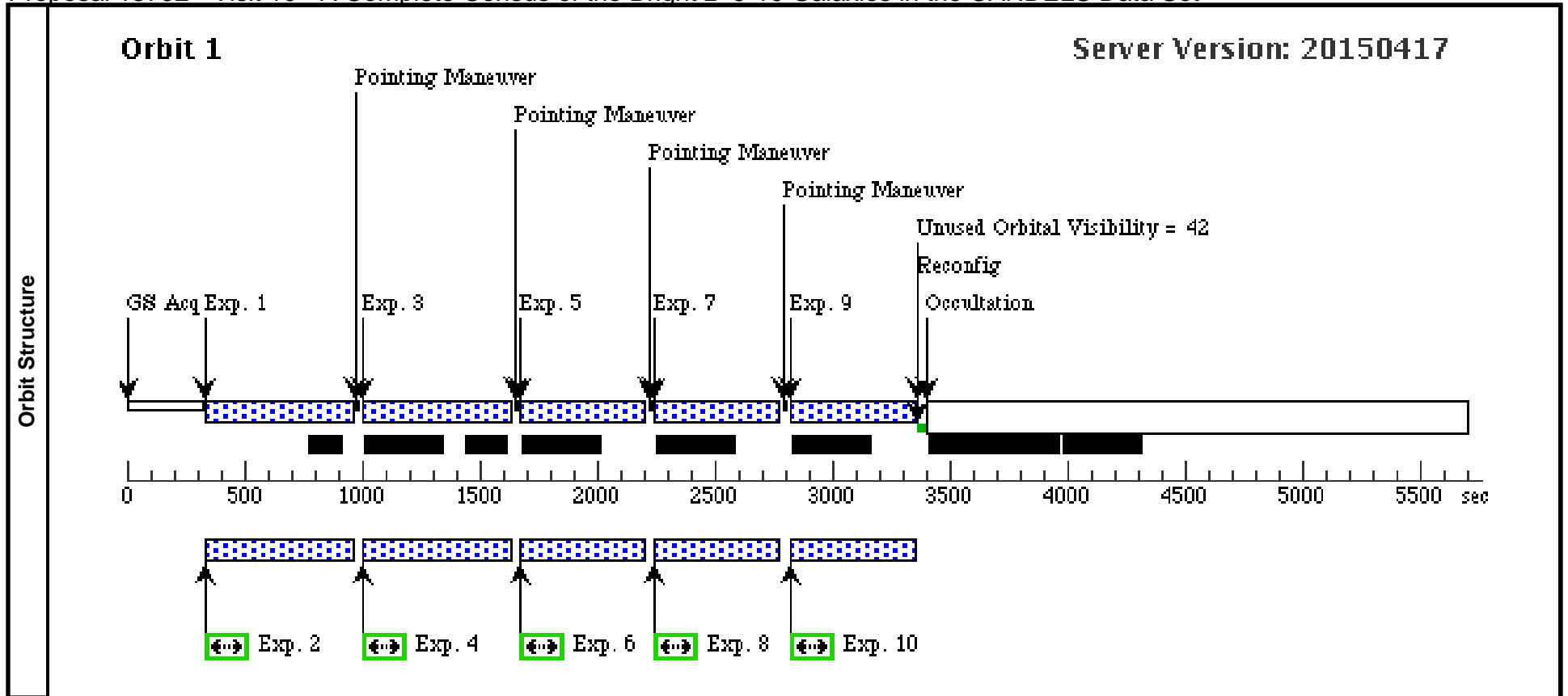
Visit	Proposal 13792, Visit 09, scheduled Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: ORIENT 143D TO 143 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(11)	EGS-Z9-4	RA: 14 20 20.5400 (215.0855833d) Dec: +52 57 14.40 (52.95400d) Equinox: J2000		V=26	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(11) EGS-Z9-4	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=7; SAMP-SEQ=SPAR S100	POS TARG 0,0; GS ACQ SCENARI O BASE1B3	Prime + Parallel Group 1-2 in Visit 09	602.934229 Secs (602.934 Secs) [==>]	[1]
	2		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 1-2 in Visit 09	325.0 Secs (425 Secs) [==>425.0 Secs]	[1]
	3		(11) EGS-Z9-4	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=7; SAMP-SEQ=SPAR S100	POS TARG -2.5,-0.5	Prime + Parallel Group 3-4 in Visit 09	602.934229 Secs (602.934 Secs) [==>]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 3-4 in Visit 09	407.0 Secs (507 Secs) [==>507.0 Secs]	[1]
	5		(11) EGS-Z9-4	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=6; SAMP-SEQ=SPAR S100	POS TARG 2.5,0.5	Prime + Parallel Group 5-6 in Visit 09	502.933906 Secs (502.934 Secs) [==>]	[1]
	6		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 5-6 in Visit 09	407.0 Secs (407 Secs) [==>]	[1]
	7		(11) EGS-Z9-4	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=6; SAMP-SEQ=SPAR S100	POS TARG +0.5,2.5	Prime + Parallel Group 7-8 in Visit 09	502.933906 Secs (502.934 Secs) [==>]	[1]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-8 in Visit 09	457.0 Secs (407 Secs) [==>407.0 Secs]	[1]
	9		(11) EGS-Z9-4	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG -0.5,-2.5	Prime + Parallel Group 9-10 in Visit 09	552.937252 Secs (552.937 Secs) [==>]	[1]
10		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 9-10 in Visit 09	340.0 Secs (457 Secs) [==>457.0 Secs]	[1]	



Proposal 13792 - Visit 10 - A Complete Census of the Bright z~9-10 Galaxies in the CANDELS Data Set

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Visit	Proposal 13792, Visit 10, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: ORIENT 191D TO 191 D										
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(12)	EGS-Z9-5	RA: 14 19 51.9900 (214.9666250d) Dec: +52 54 32.94 (52.90915d) Equinox: J2000			V=26	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1		(12) EGS-Z9-5	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=7; SAMP-SEQ=SPAR S100	POS TARG 0,0; GS ACQ SCENARI O BASE1B3	Prime + Parallel Group 1-2 in Visit 10	602.934229 Secs (602.934 Secs) [==>]	[1]	
	2		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 1-2 in Visit 10	325.0 Secs (425 Secs) [==>425.0 Secs]	[1]	
	3		(12) EGS-Z9-5	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=7; SAMP-SEQ=SPAR S100	POS TARG -3.5,-5	Prime + Parallel Group 3-4 in Visit 10	602.934229 Secs (602.934 Secs) [==>]	[1]	
	4		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 3-4 in Visit 10	407.0 Secs (507 Secs) [==>507.0 Secs]	[1]	
	5		(12) EGS-Z9-5	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=6; SAMP-SEQ=SPAR S100	POS TARG 2.5,0.5	Prime + Parallel Group 5-6 in Visit 10	502.933906 Secs (502.934 Secs) [==>]	[1]	
	6		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 5-6 in Visit 10	407.0 Secs (407 Secs) [==>]	[1]	
	7		(12) EGS-Z9-5	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=6; SAMP-SEQ=SPAR S100	POS TARG 1,3	Prime + Parallel Group 7-8 in Visit 10	502.933906 Secs (502.934 Secs) [==>]	[1]	
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-8 in Visit 10	457.0 Secs (407 Secs) [==>407.0 Secs]	[1]	
	9		(12) EGS-Z9-5	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=11; SAMP-SEQ=SPAR S50	POS TARG -5,-3	Prime + Parallel Group 9-10 in Visit 10	502.936801 Secs (502.937 Secs) [==>]	[1]	
10		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 9-10 in Visit 10	340.0 Secs (407 Secs) [==>407.0 Secs]	[1]		



Proposal 13792 - Visit 11 - A Complete Census of the Bright z~9-10 Galaxies in the CANDELS Data Set

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Visit	Proposal 13792, Visit 11, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, ACS/WFC Special Requirements: ORIENT 194D TO 194 D									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(13)	EGS-Z9-6	RA: 14 19 18.0400 (214.8251667d) Dec: +52 50 0.74 (52.83354d) Equinox: J2000		V=26	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(13) EGS-Z9-6	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=7; SAMP-SEQ=SPAR S100	POS TARG 0,0; GS ACQ SCENARI O SINGLE	Prime + Parallel Group 1-2 in Visit 11	602.934229 Secs (602.934 Secs) [==>]	[1]
	2		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 1-2 in Visit 11	325.0 Secs (425 Secs) [==>425.0 Secs]	[1]
	3		(13) EGS-Z9-6	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=7; SAMP-SEQ=SPAR S100	POS TARG -2.5,-0.5	Prime + Parallel Group 3-4 in Visit 11	602.934229 Secs (602.934 Secs) [==>]	[1]
	4		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 3-4 in Visit 11	407.0 Secs (507 Secs) [==>507.0 Secs]	[1]
	5		(13) EGS-Z9-6	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=6; SAMP-SEQ=SPAR S100	POS TARG 2.5,0.5	Prime + Parallel Group 5-6 in Visit 11	502.933906 Secs (502.934 Secs) [==>]	[1]
	6		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 5-6 in Visit 11	407.0 Secs (407 Secs) [==>]	[1]
	7		(13) EGS-Z9-6	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=6; SAMP-SEQ=SPAR S100	POS TARG +0.5,2.5	Prime + Parallel Group 7-8 in Visit 11	502.933906 Secs (502.934 Secs) [==>]	[1]
	8		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 7-8 in Visit 11	457.0 Secs (407 Secs) [==>407.0 Secs]	[1]
	9		(13) EGS-Z9-6	WFC3/IR, MULTIACCUM, IR-FIX	F105W	NSAMP=7; SAMP-SEQ=SPAR S100	POS TARG -0.5,-2.5	Prime + Parallel Group 9-10 in Visit 11	602.934229 Secs (602.934 Secs) [==>]	[1]
10		ANY	ACS/WFC, ACCUM, WFC	F814W			Prime + Parallel Group 9-10 in Visit 11	340.0 Secs (507 Secs) [==>507.0 Secs]	[1]	

