



## 15267 - HST Grism observations of the highest-z massive galaxy cluster

Cycle: 25, Proposal Category: GO

(JWST Initiative)

(Availability Mode: SUPPORTED)

### INVESTIGATORS

<i>Name</i>	<i>Institution</i>	<i>E-Mail</i>
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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) XLSSUJ0217-0345	WFC3/IR	1	18-Jul-2017 13:06:56.0	yes
02	(1) XLSSUJ0217-0345	WFC3/IR	1	18-Jul-2017 13:06:57.0	yes
03	(1) XLSSUJ0217-0345	WFC3/IR	1	18-Jul-2017 13:06:58.0	yes
04	(1) XLSSUJ0217-0345	WFC3/IR	1	18-Jul-2017 13:06:59.0	yes
05	(1) XLSSUJ0217-0345	WFC3/IR	1	18-Jul-2017 13:07:00.0	yes
06	(1) XLSSUJ0217-0345	WFC3/IR	1	18-Jul-2017 13:07:01.0	yes
07	(1) XLSSUJ0217-0345	WFC3/IR	1	18-Jul-2017 13:07:01.0	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>
08	(1) XLSSUJ0217-0345	WFC3/IR	1	18-Jul-2017 13:07:02.0	yes
09	(1) XLSSUJ0217-0345	WFC3/IR	1	18-Jul-2017 13:07:03.0	yes
10	(1) XLSSUJ0217-0345	WFC3/IR	1	18-Jul-2017 13:07:04.0	yes
11	(1) XLSSUJ0217-0345	WFC3/IR	1	18-Jul-2017 13:07:05.0	yes
12	(1) XLSSUJ0217-0345	WFC3/IR	1	18-Jul-2017 13:07:06.0	yes
13	(1) XLSSUJ0217-0345	WFC3/IR	1	18-Jul-2017 13:07:07.0	yes

13 Total Orbits Used

## ABSTRACT

We propose to observe the most massive galaxy cluster, \xlssu, at a redshift of  $z > 2$ . By observing this cluster with 12 orbits HST G141 grism and F140W filter observations plus one orbit F105W, we will be able to precisely identify cluster members, as well as study how the dense cluster environment affects these members at an unprecedentedly high redshift and minimizing biases from cluster selection. With this data set, we will examine the fraction of AGN and star forming galaxies as a function of cluster radius as well as incidences of merging, allowing key insights into the triggering and quenching mechanisms at play. Furthermore, we will examine the quiescent galaxy fraction to probe the build-up of the red sequence at an early cosmological time. Finally, looking forward, we will use our observations to quantify the amount of star formation contamination that is likely to affect the next generation SZ surveys at other wavelengths.

## OBSERVING DESCRIPTION

1 visit - F105W, SPARS50 sequence, NSAMP=14, wide 4-pt dither to mitigate artifacts

3 x visit - orient 1,

- 2x F140W, SPARS25, NSAMP=10, at beginning and end of orbit (NSAMP=9 for final obs because of overhead due to slight pointing change)

- 4x G141 exposure, full frame, SPARS50, NSAMP=12, in between the imaging

- 6-pt tight dither pattern to keep coherence across FOV and as we have 4 orients so care less about the larger artifacts. However, since this is 6 exposures split across 3 visits for ease of scheduling I need to specify the postargs manually for each visit. So each visit of 1 orbit will have 2 dither

Proposal 15267 (STScI Edit Number: 0, Created: Tuesday, July 18, 2017 12:07:08 PM EST) - Overview  
positions in it but the 3 visits together will make up a tight 6-pt dither pattern. Manual postargs have been put in.

Proposal 15267 - F105W image (01) - HST Grism observations of the highest-z massive galaxy cluster

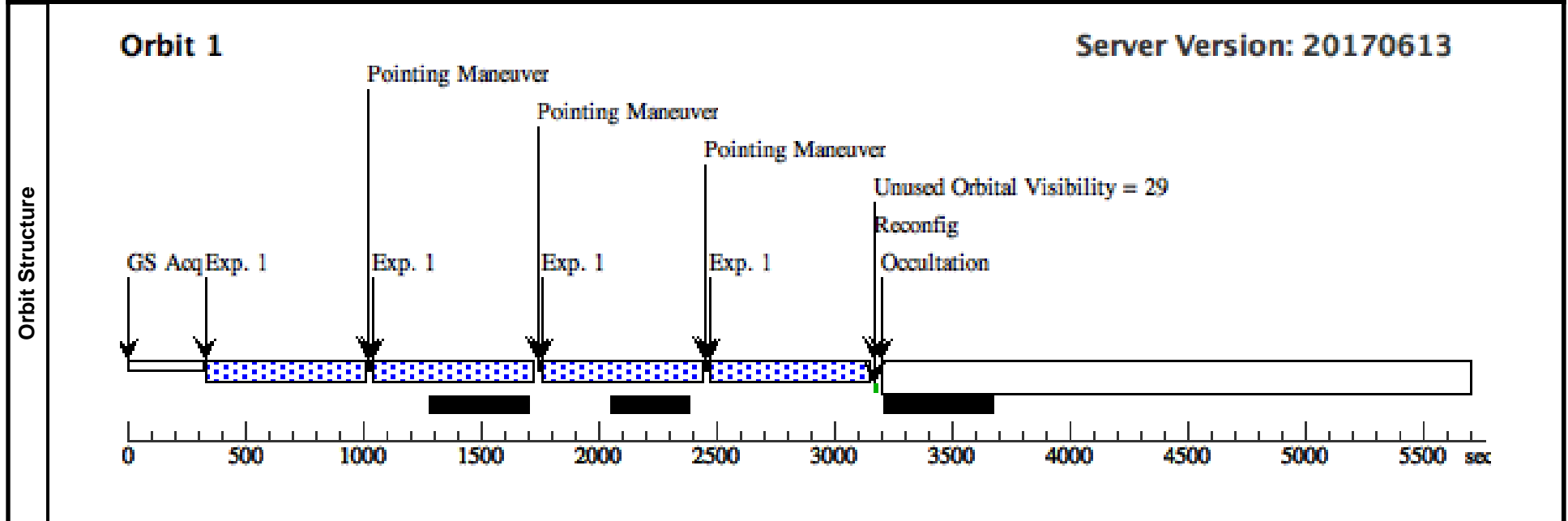
Tue Jul 18 17:07:08 GMT 2017

<b>Visit</b>	<b>Proposal 15267, F105W image (01)</b>		
	<b>Diagnostic Status: No Diagnostics</b>		
	Scientific Instruments: WFC3/IR		
	Special Requirements: (none)		

<b>Patterns</b>	#	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	

<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	XLSSUJ0217-0345	RA: 02 17 44.1900 (34.4341250d) Dec: -03 45 31.46 (-3.75874d) Equinox: J2000		V=25	Reference Frame: ICRS

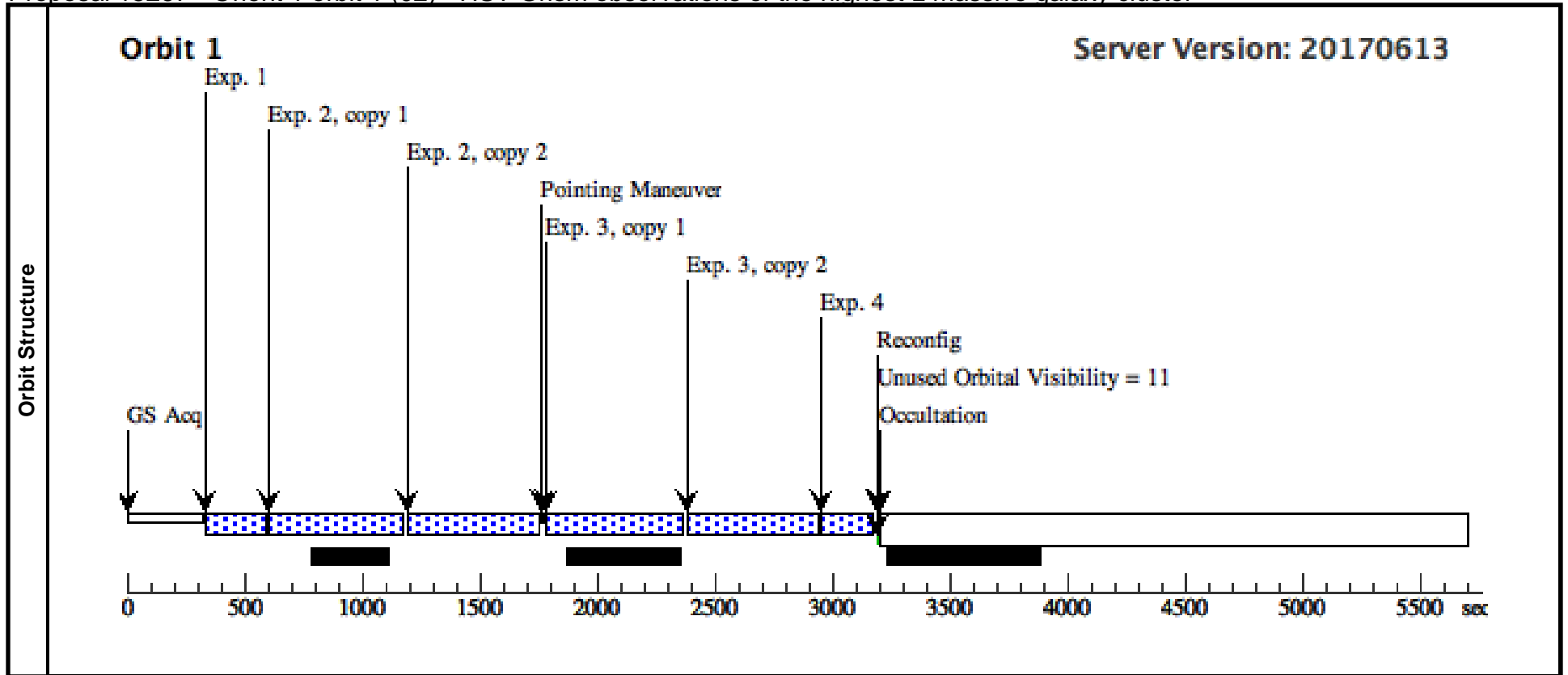
<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F105W 1 or bit	(1) XLSSUJ0217-0345	WFC3/IR, MULTIACCUM, IR	F105W	NSAMP=14; SAMP-SEQ=SPAR S50			Pattern 1, Exps 1-1 in F105W image (01) (1)	652.938154 Secs (2611.753 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]



Proposal 15267 - Orient 1 orbit 1 (02) - HST Grism observations of the highest-z massive galaxy cluster

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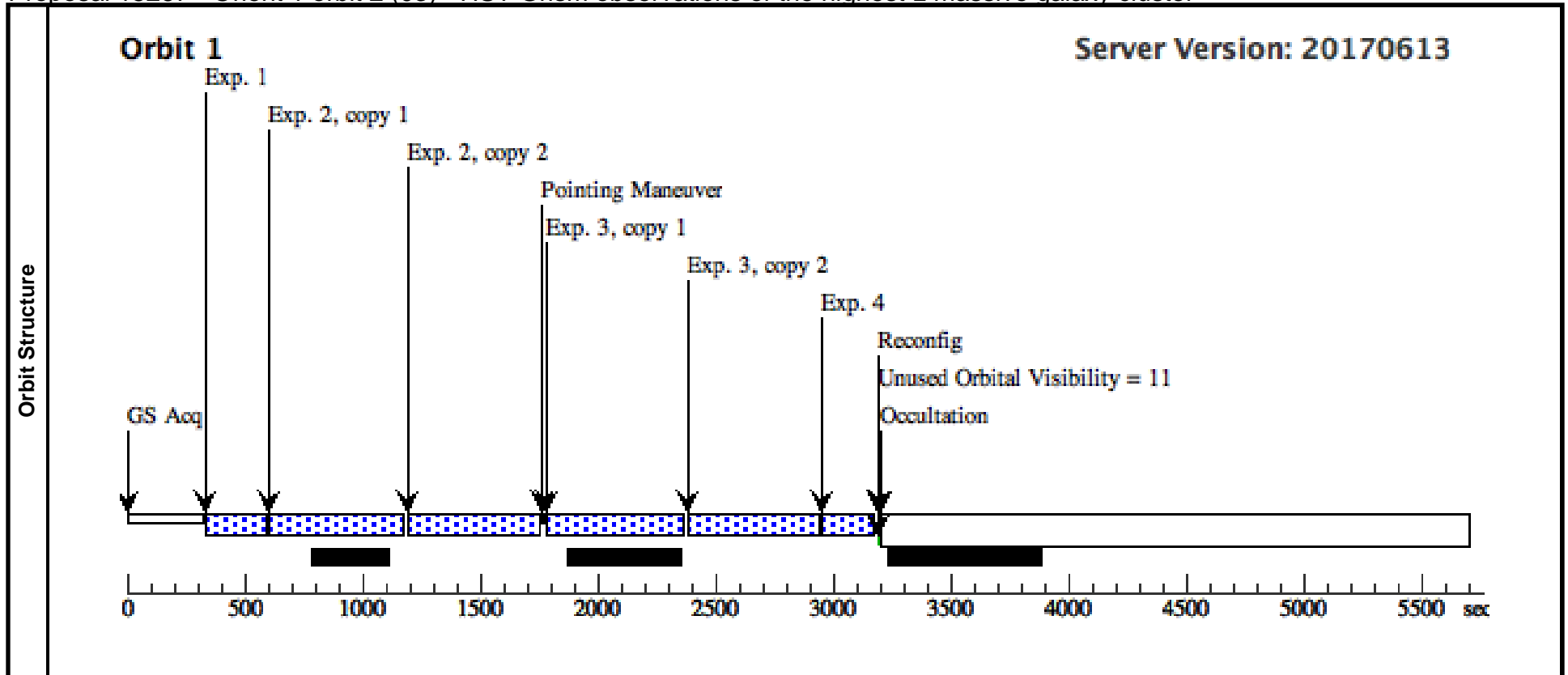
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	Diagnostics	(Orient 1 orbit 1 (02)) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE (Orient 1 orbit 1 (02)) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE (Orient 1 orbit 1 (02)) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE								
Fixed Targets		#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	XLSSUJ0217-0345	RA: 02 17 44.1900 (34.4341250d) Dec: -03 45 31.46 (-3.75874d) Equinox: J2000		V=25	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	orient 1 orbit 1 F140W 1	(1) XLSSUJ0217-0345	WFC3/IR, MULTIACCUM, GRISM1024	F140W	SAMP-SEQ=SPARS 25; NSAMP=10	POS TARG 0.0,0.0		227.936926 Secs (227.937 Secs) [==>]	[1]
	2	orient 1 orbit 1 G141 1	(1) XLSSUJ0217-0345	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPARS50	SAME POS AS 1		552.937252 Secs X 2 (1105.875 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	3	orient 1 orbit 1 G141 2	(1) XLSSUJ0217-0345	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPARS50	POS TARG 0.295,0.061		552.937252 Secs X 2 (1105.875 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	4	orient 1 orbit 1 F140W 2	(1) XLSSUJ0217-0345	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=9; SAMP-SEQ=SPARS25	SAME POS AS 3		202.936411 Secs (202.936 Secs) [==>]	[1]



Proposal 15267 - Orient 1 orbit 2 (03) - HST Grism observations of the highest-z massive galaxy cluster

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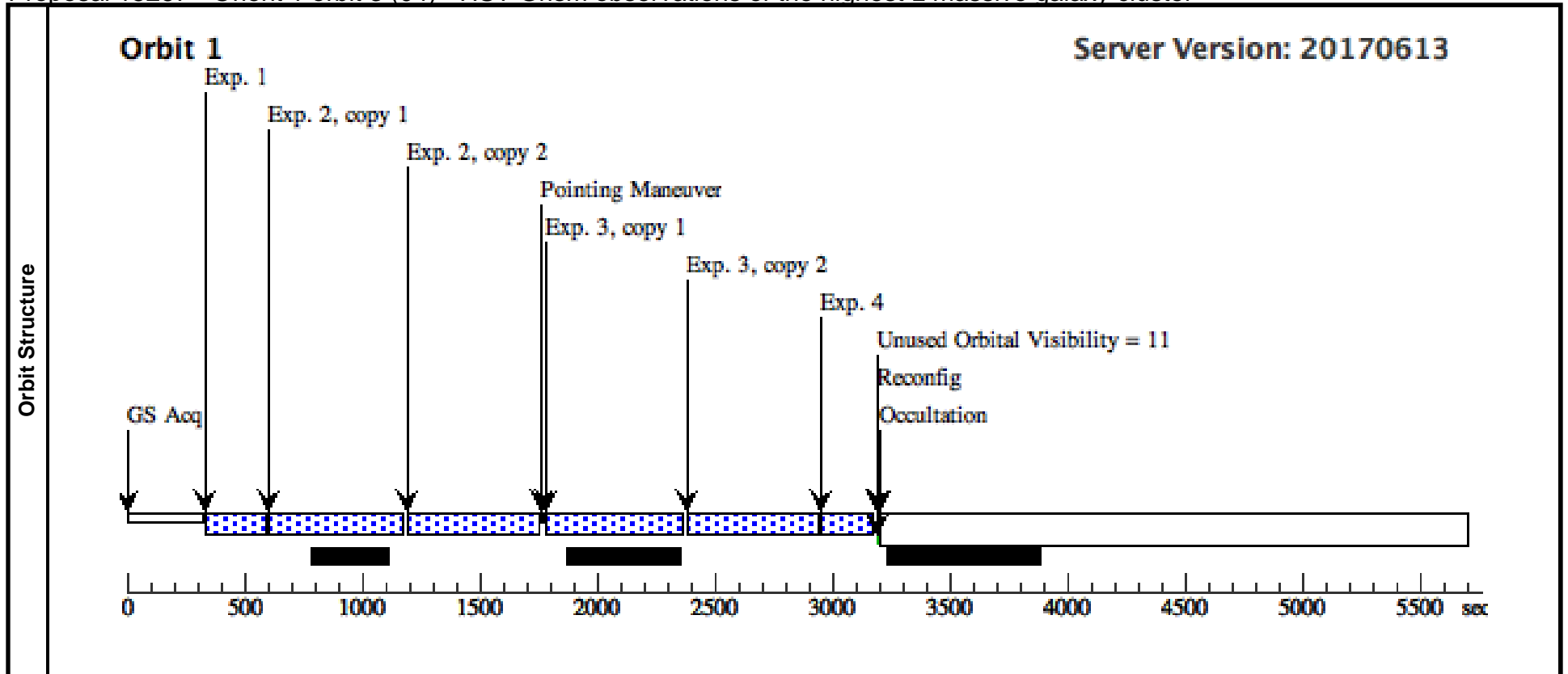
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	Diagnostics	(Orient 1 orbit 2 (03)) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE (Orient 1 orbit 2 (03)) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE (Orient 1 orbit 2 (03)) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE								
Fixed Targets		#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	XLSSUJ0217-0345	RA: 02 17 44.1900 (34.4341250d) Dec: -03 45 31.46 (-3.75874d) Equinox: J2000		V=25	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	orient 1 orbit 2 F140W 1	(1) XLSSUJ0217-0345	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=10; SAMP-SEQ=SPAR S25	POS TARG 0.589,0.020		227.936926 Secs (227.937 Secs) [==>]	[1]
	2	orient 1 orbit 2 G141 1	(1) XLSSUJ0217-0345	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	SAME POS AS 1		552.937252 Secs X 2 (1105.875 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	3	orient 1 orbit 2 G141 2	(1) XLSSUJ0217-0345	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG 0.069,0.344		552.937252 Secs X 2 (1105.875 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	4	orient 1 orbit 2 F140W 2	(1) XLSSUJ0217-0345	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=9; SAMP-SEQ=SPAR S25	SAME POS AS 3		202.936411 Secs (202.936 Secs) [==>]	[1]



Proposal 15267 - Orient 1 orbit 3 (04) - HST Grism observations of the highest-z massive galaxy cluster

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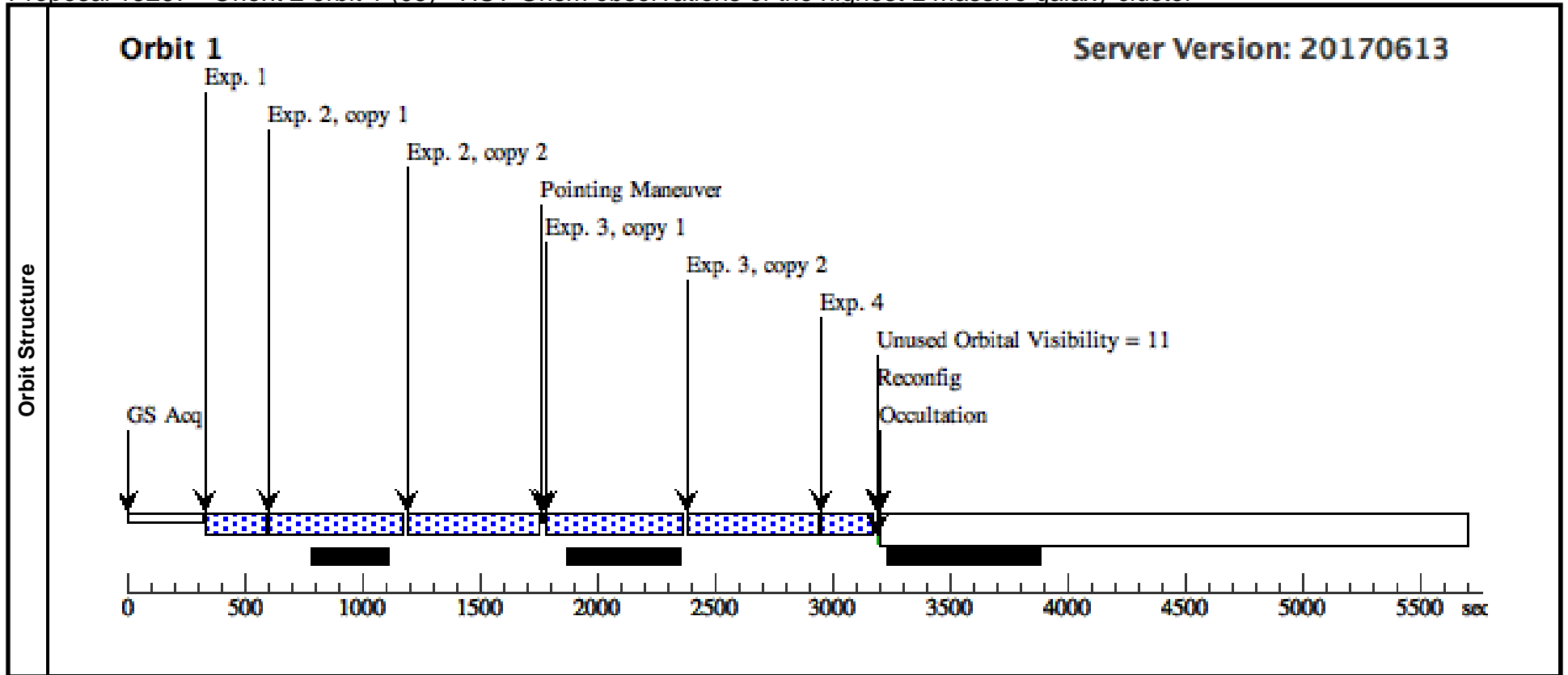
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	Diagnostics	(Orient 1 orbit 3 (04)) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE (Orient 1 orbit 3 (04)) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE (Orient 1 orbit 3 (04)) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE								
Fixed Targets		#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	XLSSUJ0217-0345	RA: 02 17 44.1900 (34.4341250d) Dec: -03 45 31.46 (-3.75874d) Equinox: J2000		V=25	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	orient 1 orbit 3 F140W 1	(1) XLSSUJ0217-0345	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=10; SAMP-SEQ=SPAR S25	POS TARG 0.364,0.405		227.936926 Secs (227.937 Secs)	
									[==>]	[1]
	2	orient 1 orbit 3 G141 1	(1) XLSSUJ0217-0345	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	SAME POS AS 1		552.937252 Secs X 2 (1105.875 Secs)	
									[==>(Copy 1)] [==>(Copy 2)]	[1]
3	orient 1 orbit 3 G141 2	(1) XLSSUJ0217-0345	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG 0.658,0.324		552.937252 Secs X 2 (1105.875 Secs)		
								[==>(Copy 1)] [==>(Copy 2)]	[1]	
4	orient 1 orbit 3 F140W 2	(1) XLSSUJ0217-0345	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=9; SAMP-SEQ=SPAR S25	SAME POS AS 3		202.936411 Secs (202.936 Secs)		
								[==>]	[1]	



Proposal 15267 - Orient 2 orbit 1 (05) - HST Grism observations of the highest-z massive galaxy cluster

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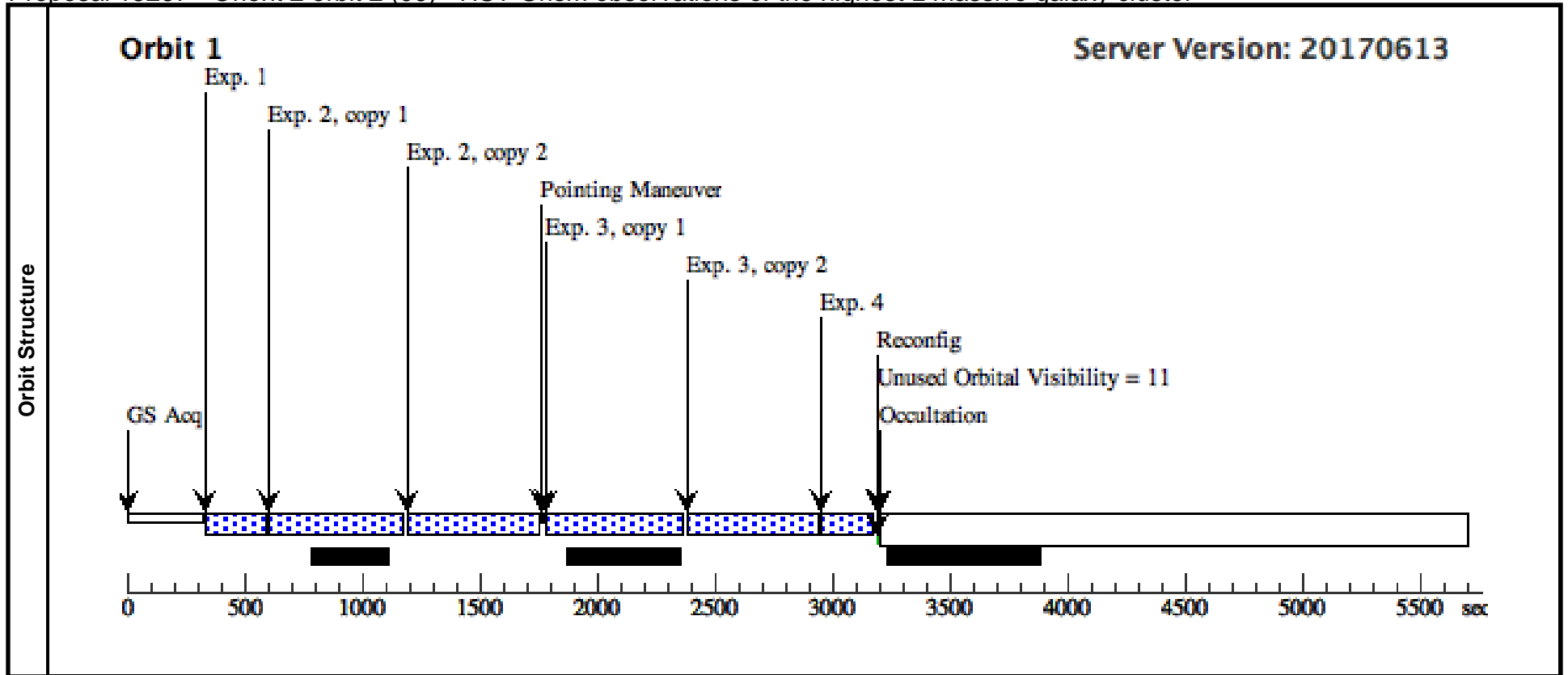
Visit	<b>Proposal 15267, Orient 2 orbit 1 (05)</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: WFC3/IR Special Requirements: ORIENT 25D TO 35D FROM 02									
	Diagnostics	(Orient 2 orbit 1 (05)) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE (Orient 2 orbit 1 (05)) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE (Orient 2 orbit 1 (05)) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE								
Fixed Targets		#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	XLSSUJ0217-0345	RA: 02 17 44.1900 (34.4341250d) Dec: -03 45 31.46 (-3.75874d) Equinox: J2000		V=25	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	orient 2 orbit 1 F140W 1	(1) XLSSUJ0217-0345	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=10; SAMP-SEQ=SPAR S25	POS TARG 0.0,0.0		227.936926 Secs (227.937 Secs) [==>]	[1]
	2	orient 2 orbit 1 G141 1	(1) XLSSUJ0217-0345	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	SAME POS AS 1		552.937252 Secs X 2 (1105.875 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	3	orient 2 orbit 1 G141 2	(1) XLSSUJ0217-0345	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG 0.295,0.061		552.937252 Secs X 2 (1105.875 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	4	orient 2 orbit 1 F140W 2	(1) XLSSUJ0217-0345	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=9; SAMP-SEQ=SPAR S25	SAME POS AS 3		202.936411 Secs (202.936 Secs) [==>]	[1]



Proposal 15267 - Orient 2 orbit 2 (06) - HST Grism observations of the highest-z massive galaxy cluster

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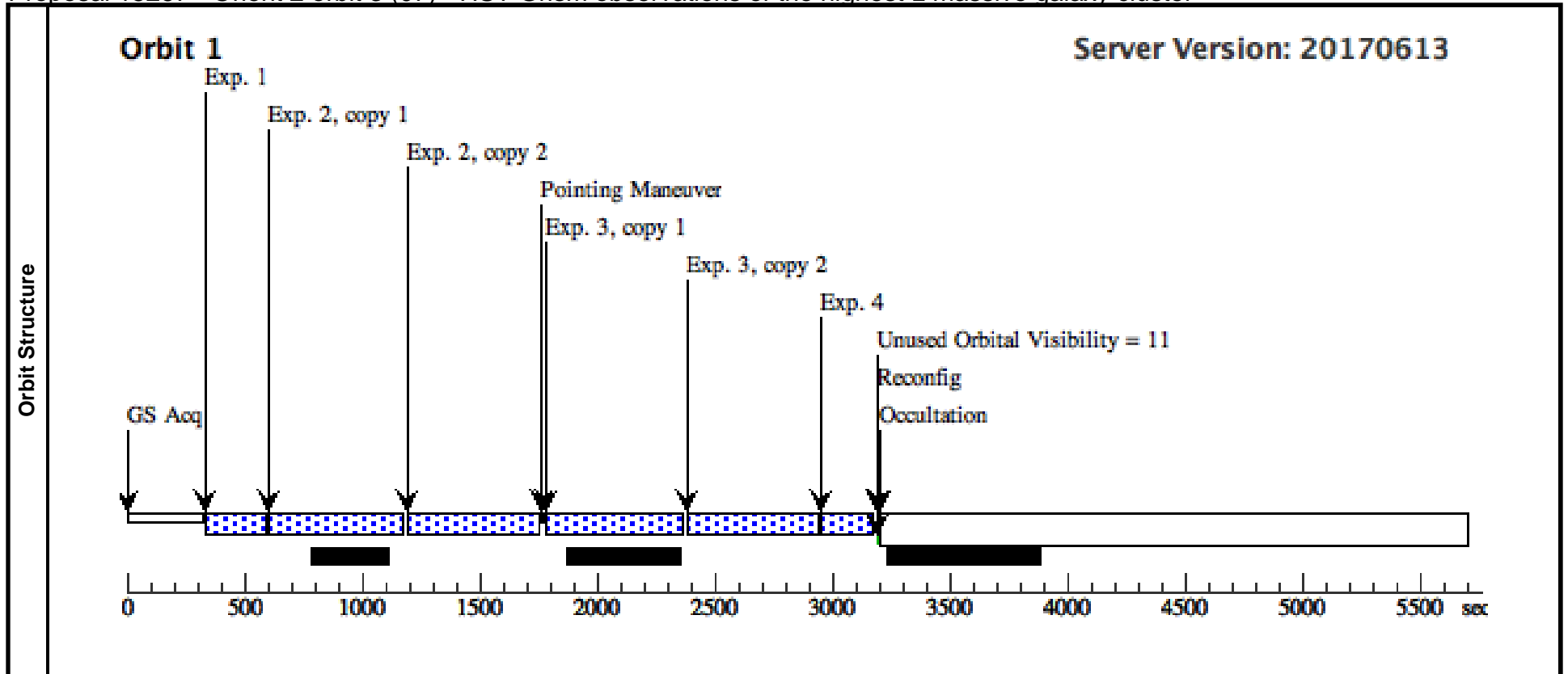
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Fixed Targets		#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	XLSSUJ0217-0345	RA: 02 17 44.1900 (34.4341250d) Dec: -03 45 31.46 (-3.75874d) Equinox: J2000		V=25	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	orient 2 orbit 2 F140W 1	(1) XLSSUJ0217-0345	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=10; SAMP-SEQ=SPAR S25	POS TARG 0.589,0.020		227.936926 Secs (227.937 Secs) [==>]	[1]
	2	orient 2 orbit 2 G141 1	(1) XLSSUJ0217-0345	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	SAME POS AS 1		552.937252 Secs X 2 (1105.875 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	3	orient 2 orbit 2 G141 2	(1) XLSSUJ0217-0345	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG 0.069,0.344		552.937252 Secs X 2 (1105.875 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	4	orient 2 orbit 2 F140W 2	(1) XLSSUJ0217-0345	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=9; SAMP-SEQ=SPAR S25	SAME POS AS 3		202.936411 Secs (202.936 Secs) [==>]	[1]



Proposal 15267 - Orient 2 orbit 3 (07) - HST Grism observations of the highest-z massive galaxy cluster

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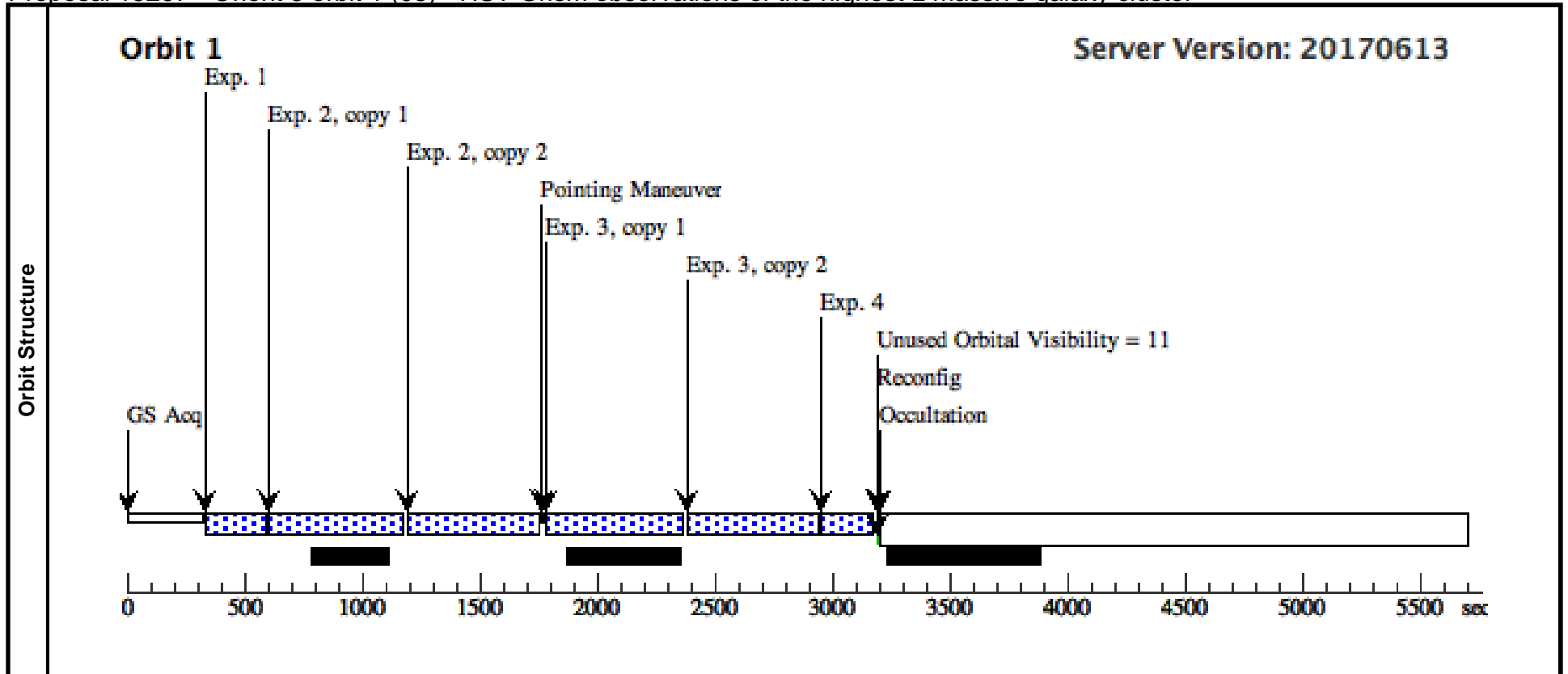
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Fixed Targets		#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	XLSSUJ0217-0345	RA: 02 17 44.1900 (34.4341250d) Dec: -03 45 31.46 (-3.75874d) Equinox: J2000		V=25	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	orient 2 orbit 3 F140W 1	(1) XLSSUJ0217-0345	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=10; SAMP-SEQ=SPAR S25	POS TARG 0.364,0.405		227.936926 Secs (227.937 Secs) [==>]	[1]
	2	orient 2 orbit 3 G141 1	(1) XLSSUJ0217-0345	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	SAME POS AS 1		552.937252 Secs X 2 (1105.875 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	3	orient 2 orbit 3 G141 2	(1) XLSSUJ0217-0345	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG 0.658,0.324		552.937252 Secs X 2 (1105.875 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	4	orient 2 orbit 3 F140W 2	(1) XLSSUJ0217-0345	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=9; SAMP-SEQ=SPAR S25	SAME POS AS 3		202.936411 Secs (202.936 Secs) [==>]	[1]



Proposal 15267 - Orient 3 orbit 1 (08) - HST Grism observations of the highest-z massive galaxy cluster

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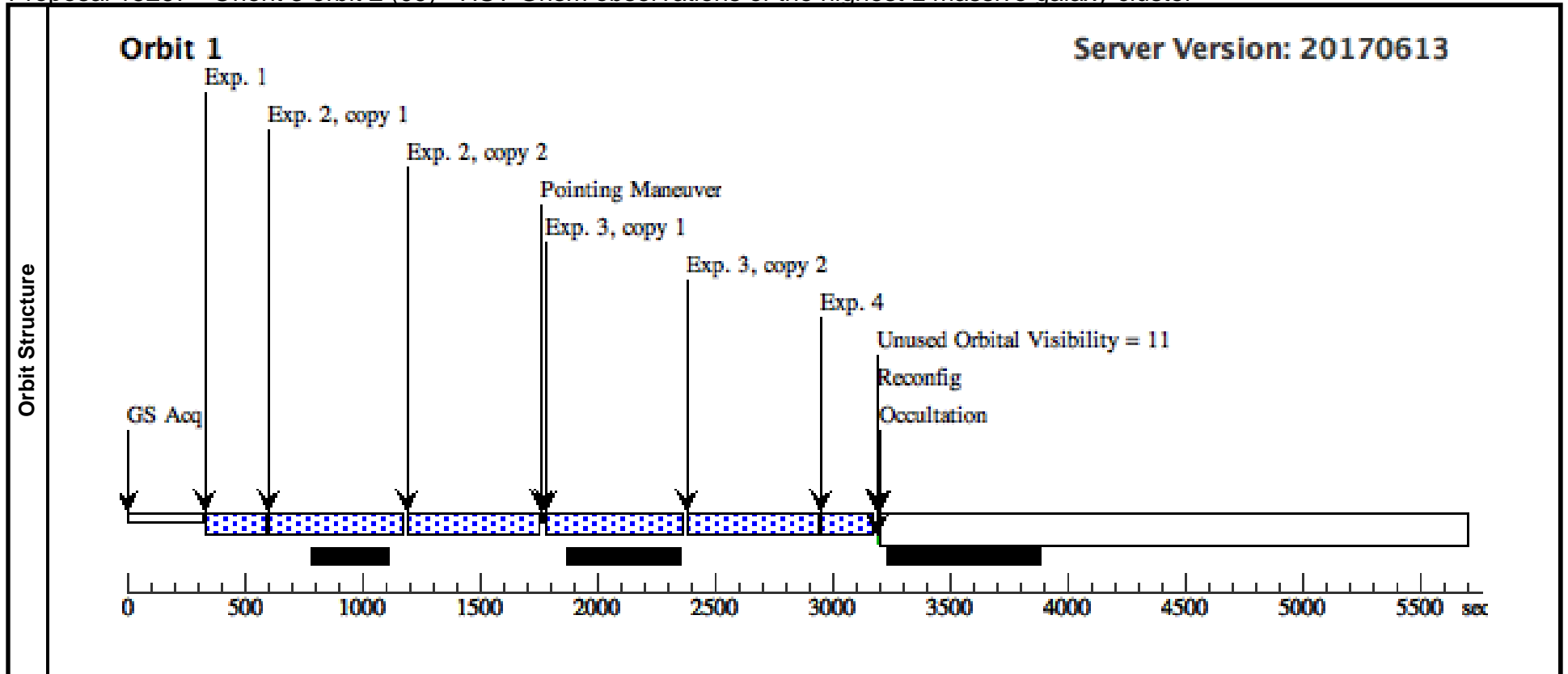
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Fixed Targets		#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	XLSSUJ0217-0345	RA: 02 17 44.1900 (34.4341250d) Dec: -03 45 31.46 (-3.75874d) Equinox: J2000		V=25	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	orient 3 orbit 1 F140W 1	(1) XLSSUJ0217-0345	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=10; SAMP-SEQ=SPAR S25	POS TARG 0.0,0.0		227.936926 Secs (227.937 Secs) [==>]	[1]
	2	orient 3 orbit 1 G141 1	(1) XLSSUJ0217-0345	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	SAME POS AS 1		552.937252 Secs X 2 (1105.875 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	3	orient 3 orbit 1 G141 2	(1) XLSSUJ0217-0345	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG 0.295,0.061		552.937252 Secs X 2 (1105.875 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	4	orient 3 orbit 1 F140W 2	(1) XLSSUJ0217-0345	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=9; SAMP-SEQ=SPAR S25	SAME POS AS 3		202.936411 Secs (202.936 Secs) [==>]	[1]



Proposal 15267 - Orient 3 orbit 2 (09) - HST Grism observations of the highest-z massive galaxy cluster

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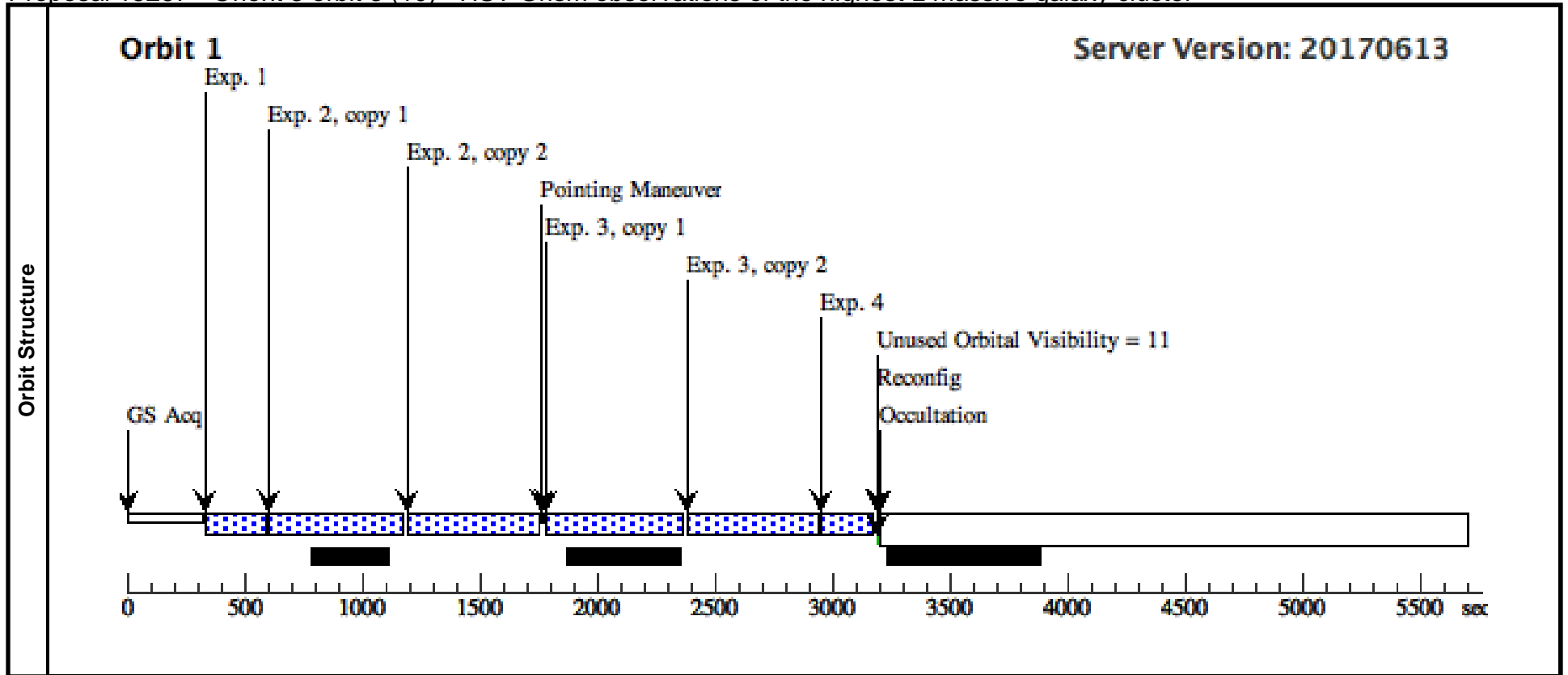
Visit	<b>Proposal 15267, Orient 3 orbit 2 (09)</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: WFC3/IR Special Requirements: SAME ORIENT AS 08									
	Diagnostics	(Orient 3 orbit 2 (09)) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE (Orient 3 orbit 2 (09)) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE (Orient 3 orbit 2 (09)) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE								
Fixed Targets		#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	XLSSUJ0217-0345	RA: 02 17 44.1900 (34.4341250d) Dec: -03 45 31.46 (-3.75874d) Equinox: J2000		V=25	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	orient 3 orbit 2 F140W 1	(1) XLSSUJ0217-0345	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=10; SAMP-SEQ=SPAR S25	POS TARG 0.589,0.020		227.936926 Secs (227.937 Secs) [==>]	[1]
	2	orient 3 orbit 2 G141 1	(1) XLSSUJ0217-0345	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	SAME POS AS 1		552.937252 Secs X 2 (1105.875 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	3	orient 3 orbit 2 G141 2	(1) XLSSUJ0217-0345	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG 0.069,0.344		552.937252 Secs X 2 (1105.875 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	4	orient 3 orbit 2 F140W 2	(1) XLSSUJ0217-0345	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=9; SAMP-SEQ=SPAR S25	SAME POS AS 3		202.936411 Secs (202.936 Secs) [==>]	[1]



Proposal 15267 - Orient 3 orbit 3 (10) - HST Grism observations of the highest-z massive galaxy cluster

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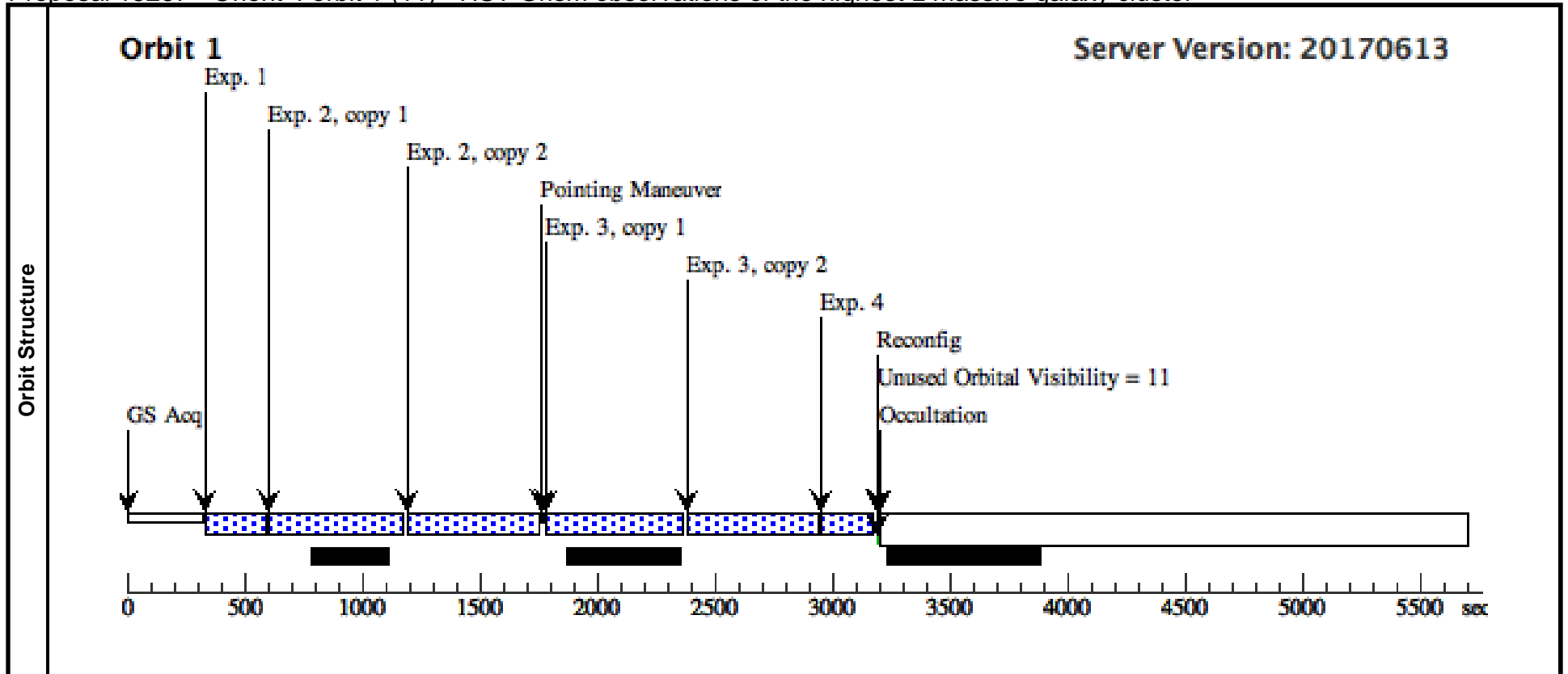
Visit	<b>Proposal 15267, Orient 3 orbit 3 (10)</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: WFC3/IR Special Requirements: SAME ORIENT AS 08									
	Diagnostics	(Orient 3 orbit 3 (10)) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE (Orient 3 orbit 3 (10)) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE (Orient 3 orbit 3 (10)) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE								
Fixed Targets		#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	XLSSUJ0217-0345	RA: 02 17 44.1900 (34.4341250d) Dec: -03 45 31.46 (-3.75874d) Equinox: J2000		V=25	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	orient 3 orbit 3 F140W 1	(1) XLSSUJ0217-0345	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=10; SAMP-SEQ=SPAR S25	POS TARG 0.364,0.405		227.936926 Secs (227.937 Secs) [==>]	[1]
	2	orient 3 orbit 3 G141 1	(1) XLSSUJ0217-0345	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	SAME POS AS 1		552.937252 Secs X 2 (1105.875 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	3	orient 3 orbit 3 G141 2	(1) XLSSUJ0217-0345	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG 0.658,0.324		552.937252 Secs X 2 (1105.875 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	4	orient 3 orbit 3 F140W 2	(1) XLSSUJ0217-0345	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=9; SAMP-SEQ=SPAR S25	SAME POS AS 3		202.936411 Secs (202.936 Secs) [==>]	[1]



Proposal 15267 - Orient 4 orbit 1 (11) - HST Grism observations of the highest-z massive galaxy cluster

Tue Jul 18 17:07:08 GMT 2017

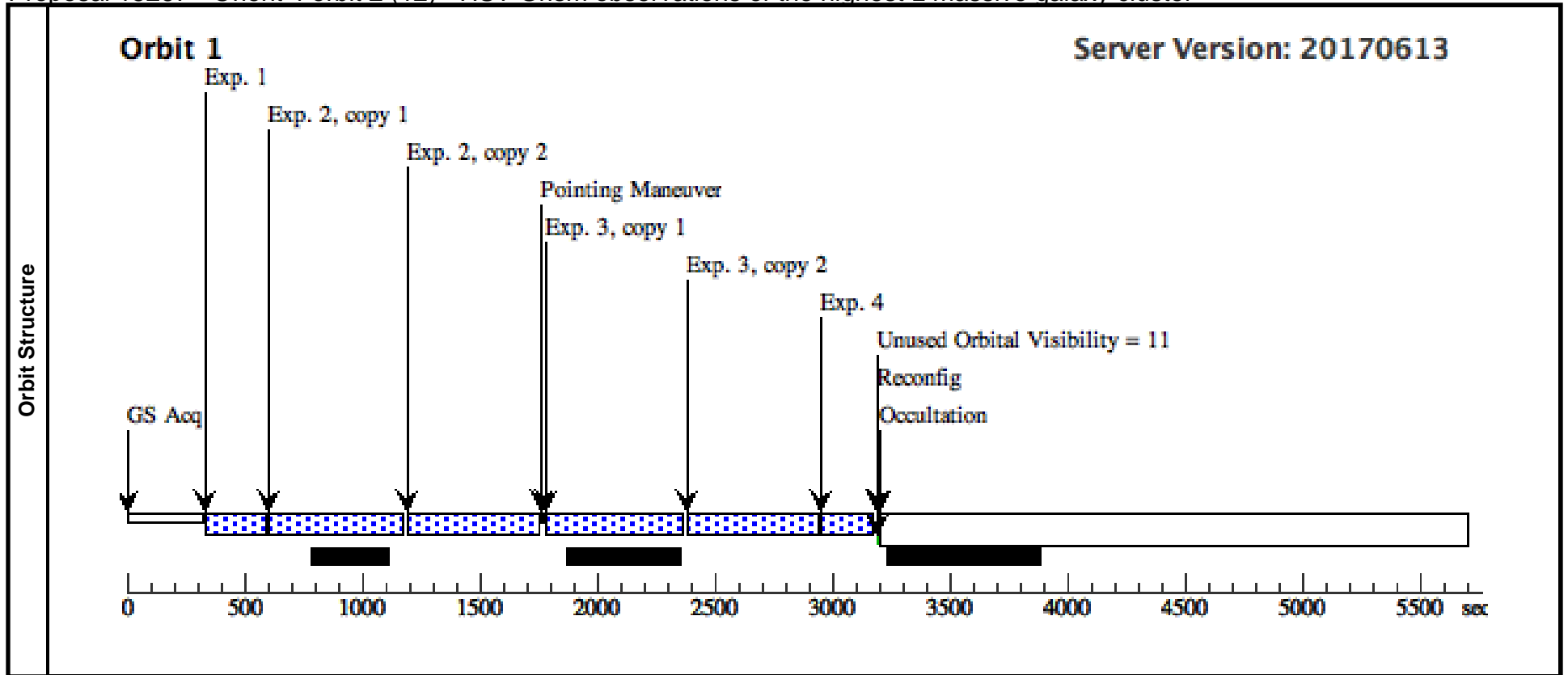
Visit	<b>Proposal 15267, Orient 4 orbit 1 (11)</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: WFC3/IR Special Requirements: ORIENT 85D TO 95D FROM 02									
	Diagnostics	(Orient 4 orbit 1 (11)) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE (Orient 4 orbit 1 (11)) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE (Orient 4 orbit 1 (11)) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE								
Fixed Targets		#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	XLSSUJ0217-0345	RA: 02 17 44.1900 (34.4341250d) Dec: -03 45 31.46 (-3.75874d) Equinox: J2000		V=25	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	orient 4 orbit 1 F140W 1	(1) XLSSUJ0217-0345	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=10; SAMP-SEQ=SPAR S25	POS TARG 0.0,0.0		227.936926 Secs (227.937 Secs) [==>]	[1]
	2	orient 4 orbit 1 G141 1	(1) XLSSUJ0217-0345	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	SAME POS AS 1		552.937252 Secs X 2 (1105.875 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	3	orient 4 orbit 1 G141 2	(1) XLSSUJ0217-0345	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG 0.295,0.061		552.937252 Secs X 2 (1105.875 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	4	orient 4 orbit 1 F140W 2	(1) XLSSUJ0217-0345	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=9; SAMP-SEQ=SPAR S25	SAME POS AS 3		202.936411 Secs (202.936 Secs) [==>]	[1]



Proposal 15267 - Orient 4 orbit 2 (12) - HST Grism observations of the highest-z massive galaxy cluster

Tue Jul 18 17:07:08 GMT 2017

Visit	<b>Proposal 15267, Orient 4 orbit 2 (12)</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: WFC3/IR Special Requirements: SAME ORIENT AS 11									
	Diagnostics	(Orient 4 orbit 2 (12)) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE (Orient 4 orbit 2 (12)) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE (Orient 4 orbit 2 (12)) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE								
Fixed Targets		#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	XLSSUJ0217-0345	RA: 02 17 44.1900 (34.4341250d) Dec: -03 45 31.46 (-3.75874d) Equinox: J2000		V=25	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	orient 4 orbit 2 F140W 1	(1) XLSSUJ0217-0345	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=10; SAMP-SEQ=SPAR S25	POS TARG 0.589,0.020		227.936926 Secs (227.937 Secs) [==>]	[1]
	2	orient 4 orbit 2 G141 1	(1) XLSSUJ0217-0345	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	SAME POS AS 1		552.937252 Secs X 2 (1105.875 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	3	orient 4 orbit 2 G141 2	(1) XLSSUJ0217-0345	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG 0.069,0.344		552.937252 Secs X 2 (1105.875 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	4	orient 4 orbit 2 F140W 2	(1) XLSSUJ0217-0345	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=9; SAMP-SEQ=SPAR S25	SAME POS AS 3		202.936411 Secs (202.936 Secs) [==>]	[1]



Proposal 15267 - Orient 4 orbit 3 (13) - HST Grism observations of the highest-z massive galaxy cluster

Tue Jul 18 17:07:09 GMT 2017

Visit	<b>Proposal 15267, Orient 4 orbit 3 (13)</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: WFC3/IR Special Requirements: SAME ORIENT AS 11									
	Diagnostics	(Orient 4 orbit 3 (13)) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE (Orient 4 orbit 3 (13)) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE (Orient 4 orbit 3 (13)) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE								
Fixed Targets		#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	XLSSUJ0217-0345	RA: 02 17 44.1900 (34.4341250d) Dec: -03 45 31.46 (-3.75874d) Equinox: J2000		V=25	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	orient 4 orbit 3 F140W 1	(1) XLSSUJ0217-0345	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=10; SAMP-SEQ=SPAR S25	POS TARG 0.364,0.405		227.936926 Secs (227.937 Secs) [==>]	[1]
	2	orient 4 orbit 3 G141 1	(1) XLSSUJ0217-0345	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	SAME POS AS 1		552.937252 Secs X 2 (1105.875 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	3	orient 4 orbit 3 G141 2	(1) XLSSUJ0217-0345	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S50	POS TARG 0.658,0.324		552.937252 Secs X 2 (1105.875 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	4	orient 4 orbit 3 F140W 2	(1) XLSSUJ0217-0345	WFC3/IR, MULTIACCUM, GRISM1024	F140W	NSAMP=9; SAMP-SEQ=SPAR S25	SAME POS AS 3		202.936411 Secs (202.936 Secs) [==>]	[1]

