



12470 - Super-Group 1120-1202: A Unique Laboratory for Tracing Galaxy Evolution in an Assembling Cluster at $z=0.37$

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) SG1120-12A	ACS/WFC WFC3/UVIS	1	27-Jun-2012 21:03:32.0	yes
13	(1) SG1120-12A	ACS/WFC WFC3/UVIS	1	27-Jun-2012 21:03:41.0	yes
14	(1) SG1120-12A	ACS/WFC WFC3/UVIS	1	27-Jun-2012 21:03:48.0	yes
15	(1) SG1120-12A	ACS/WFC WFC3/UVIS	1	27-Jun-2012 21:03:55.0	yes

Proposal 12470 (STScI Edit Number: 5, Created: Wednesday, June 27, 2012 8:05:23 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>
16	(1) SG1120-12A	ACS/WFC WFC3/UVIS	1	27-Jun-2012 21:04:01.0	yes
17	(1) SG1120-12A	ACS/WFC WFC3/UVIS	1	27-Jun-2012 21:04:07.0	yes
07	(2) SG1120-12B	ACS/WFC WFC3/UVIS	1	27-Jun-2012 21:04:13.0	yes
18	(2) SG1120-12B	ACS/WFC WFC3/UVIS	1	27-Jun-2012 21:04:19.0	yes
23	(2) SG1120-12B	ACS/WFC WFC3/UVIS	1	27-Jun-2012 21:04:26.0	yes
26	(2) SG1120-12B	ACS/WFC WFC3/UVIS	1	27-Jun-2012 21:04:32.0	yes
19	(2) SG1120-12B	ACS/WFC WFC3/UVIS	1	27-Jun-2012 21:04:38.0	yes
24	(2) SG1120-12B	ACS/WFC WFC3/UVIS	1	27-Jun-2012 21:04:44.0	yes
27	(2) SG1120-12B	ACS/WFC WFC3/UVIS	1	27-Jun-2012 21:04:50.0	yes
20	(2) SG1120-12B	ACS/WFC WFC3/UVIS	1	27-Jun-2012 21:04:56.0	yes
25	(2) SG1120-12B	ACS/WFC WFC3/UVIS	1	27-Jun-2012 21:05:02.0	yes
21	(2) SG1120-12B	ACS/WFC WFC3/UVIS	1	27-Jun-2012 21:05:09.0	yes
22	(2) SG1120-12B	ACS/WFC WFC3/UVIS	1	27-Jun-2012 21:05:16.0	yes

17 Total Orbits Used

ABSTRACT

We propose to obtain WFC3 F390W imaging of the super-group 1120-1202 that, combined with our existing ACS F814W mosaic, will provide the first high resolution color maps of >150 confirmed group galaxies at $z \sim 0.37$. SG1120 is composed of 4 distinct groups collapsing into a Coma-like cluster, thus SG1120 is a unique laboratory for pinpointing where star formation in individual galaxies is triggered/quenched and identifying the driving physical mechanism. SG1120 members include major mergers, infalling galaxies, >50 IR-bright members, multiple Active Galactic Nuclei (AGN), and ~30 star-forming members with broad optical line-widths corresponding to velocities of 200-2000 km/s. SG1120's diverse population makes it particularly well-suited for tracing the interplay between environment, star formation, AGN, gas outflows, and morphological evolution. Only WFC3 F390W provides the blue wavelength coverage and high spatial resolution needed to (1) resolve compact star-forming regions; (2) separate colors of the bulge/disk components; and (3) measure color gradients, and so test for differences in stellar age due to a variety of models proposed to drive galaxy transformation.

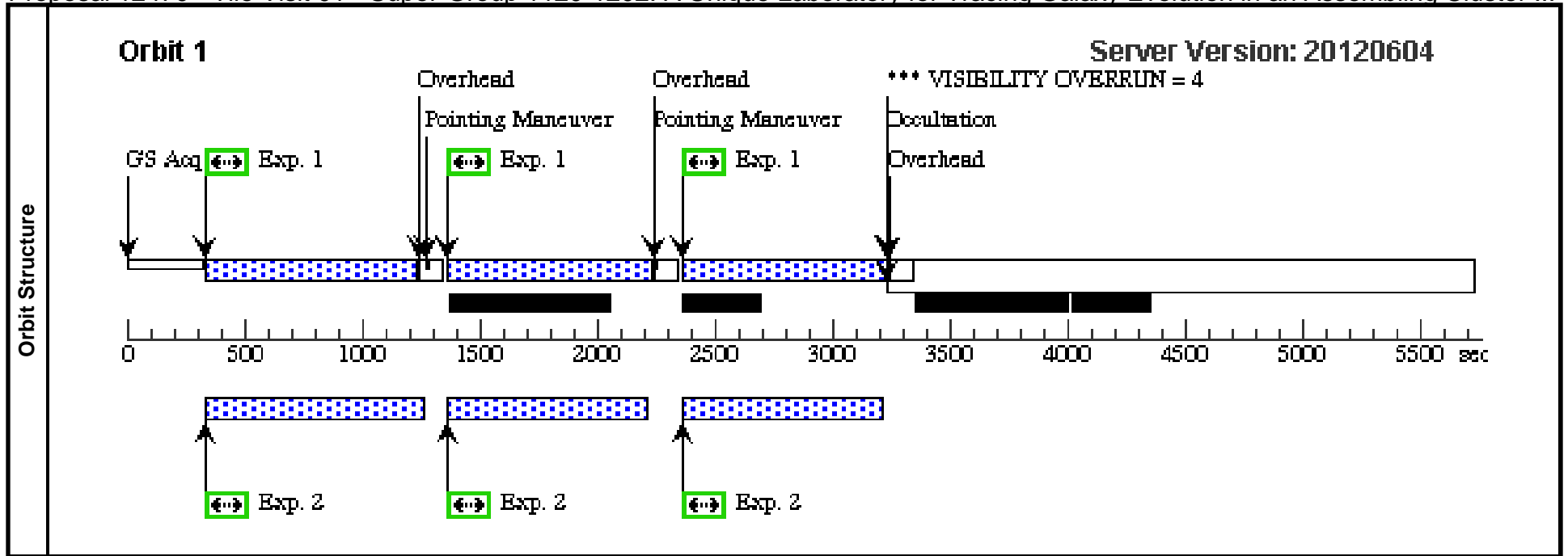
OBSERVING DESCRIPTION

Two WFC3/F390W mosaics (2x3) each centered at a different point in the super-galaxy group. The mosaics are taken at different orientations to maximize overlap of target by the parallel ACS/F606W pointings. Specific ranges on roll angles required to ensure that the mosaics cover individual galaxies targeted for follow-up (this was requested in the original Phase 1 proposal).

Proposal 12470 - Tile Visit 01 - Super-Group 1120-1202: A Unique Laboratory for Tracing Galaxy Evolution in an Assembling Cluster ...

Thu Jun 28 01:05:23 GMT 2012

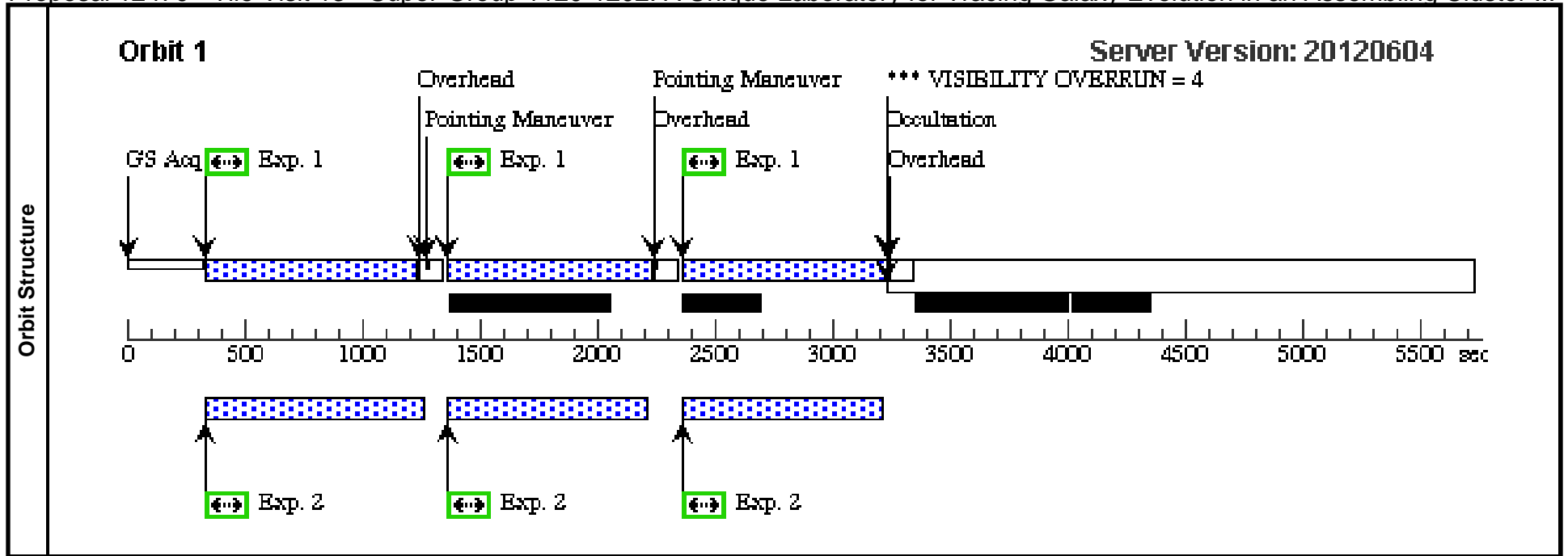
Visit	Proposal 12470, Tile Visit 01, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: ORIENT 300D TO 310 D										
	(Tile Visit 01) Warning (Orbit Planner): VISIBILITY OVERRUN (Tile Visit 01) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE										
Diagnosics											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(2)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=2 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false				(1-2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	SG1120-12A	RA: 11 20 18.5095 (170.0771229d) Dec: -12 00 41.91 (-12.01164d) Equinox: J2000				V=18.2		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1	(1) SG1120-12A		WFC3/UVIS, ACCUM, UVIS	F390W		POS TARG -77.670 82785437186,-162.7 1149337286946; GS ACQ SCENARI O BASE1B3	Pattern 2, Exps 1-2 i n Tile Visit 01 (2) Prime + Parallel Gro up 1-2 in Pattern 2, E xps 1-2 in Tile Visit 01	870 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	
	2	(1) SG1120-12A		ACS/WFC, ACCUM, WFC	F606W			Pattern 2, Exps 1-2 i n Tile Visit 01 (2) Prime + Parallel Gro up 1-2 in Pattern 2, E xps 1-2 in Tile Visit 01	725 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	



Proposal 12470 - Tile Visit 13 - Super-Group 1120-1202: A Unique Laboratory for Tracing Galaxy Evolution in an Assembling Cluster ...

Thu Jun 28 01:05:25 GMT 2012

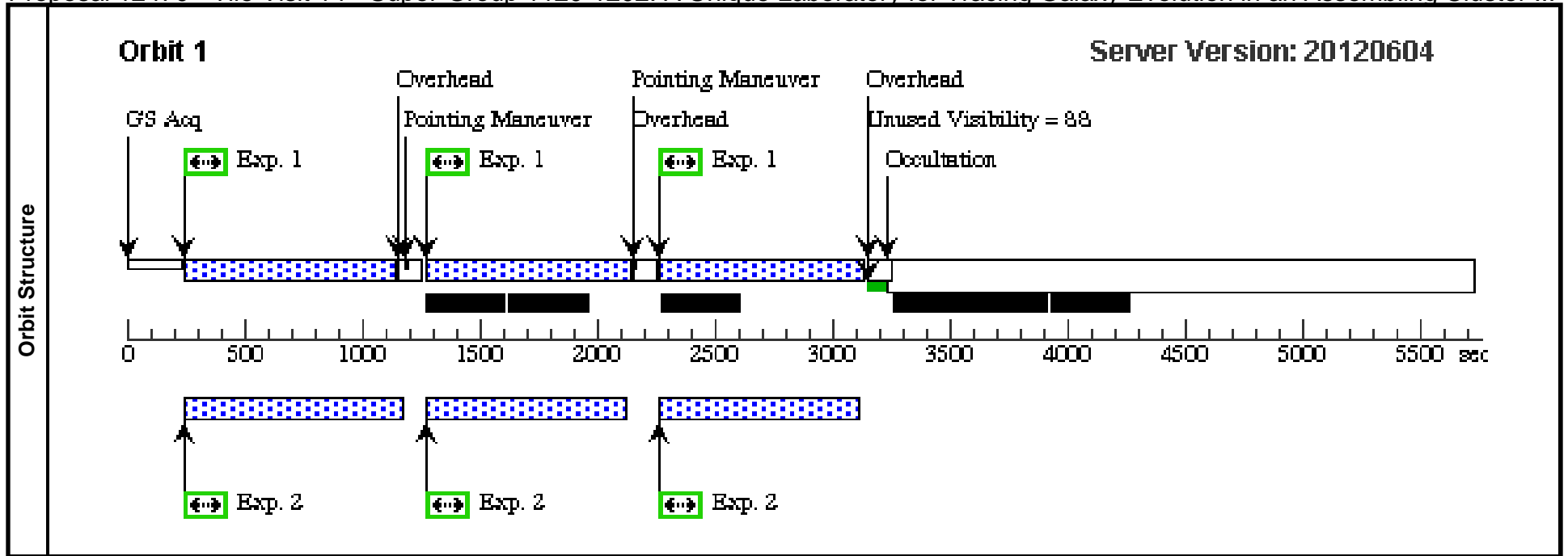
Visit	Proposal 12470, Tile Visit 13, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SAME ORIENT AS 01										
	(Tile Visit 13) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile Visit 13) Warning (Orbit Planner): VISIBILITY OVERRUN										
Diagnosics											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(2)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=2 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false				(1-2)	
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(1)	SG1120-12A	RA: 11 20 18.5095 (170.0771229d) Dec: -12 00 41.91 (-12.01164d) Equinox: J2000					V=18.2		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	(1) SG1120-12A	(1) SG1120-12A	WFC3/UVIS, ACCUM, UVIS	F390W		POS TARG 77.6708 2785437186,-151.84 89466271306; GS ACQ SCENARI O BASE1B3	Pattern 2, Exps 1-2 i n Tile Visit 13 (2) Prime + Parallel Gro up 1-2 in Pattern 2, E xps 1-2 in Tile Visit 13	870 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	2	(1) SG1120-12A	(1) SG1120-12A	ACS/WFC, ACCUM, WFC	F606W			Pattern 2, Exps 1-2 i n Tile Visit 13 (2) Prime + Parallel Gro up 1-2 in Pattern 2, E xps 1-2 in Tile Visit 13	725 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]



Proposal 12470 - Tile Visit 14 - Super-Group 1120-1202: A Unique Laboratory for Tracing Galaxy Evolution in an Assembling Cluster ...

Thu Jun 28 01:05:26 GMT 2012

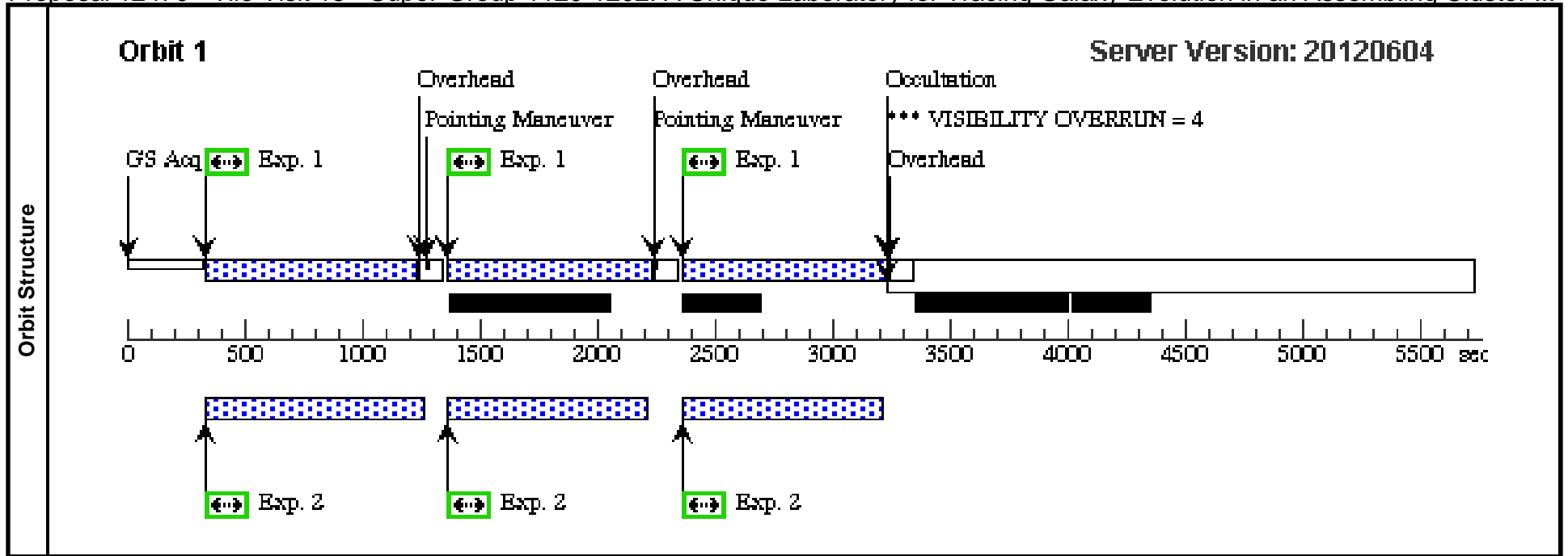
Visit	Proposal 12470, Tile Visit 14, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SAME ORIENT AS 01									
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures					
		(2)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=2 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-2)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	SG1120-12A	RA: 11 20 18.5095 (170.0771229d) Dec: -12 00 41.91 (-12.01164d) Equinox: J2000		V=18.2	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(1) SG1120-12A	WFC3/UVIS, ACCUM, UVIS	F390W			POS TARG -77.670 82785437186,-5.431 273372869441; GS ACQ SCENARI O SINGLE	Pattern 2, Exps 1-2 i n Tile Visit 14 (2) Prime + Parallel Gro up 1-2 in Pattern 2, E xps 1-2 in Tile Visit 14	870 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
2	(1) SG1120-12A	ACS/WFC, ACCUM, WFC	F606W				Pattern 2, Exps 1-2 i n Tile Visit 14 (2) Prime + Parallel Gro up 1-2 in Pattern 2, E xps 1-2 in Tile Visit 14	725 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	



Proposal 12470 - Tile Visit 15 - Super-Group 1120-1202: A Unique Laboratory for Tracing Galaxy Evolution in an Assembling Cluster ...

Thu Jun 28 01:05:27 GMT 2012

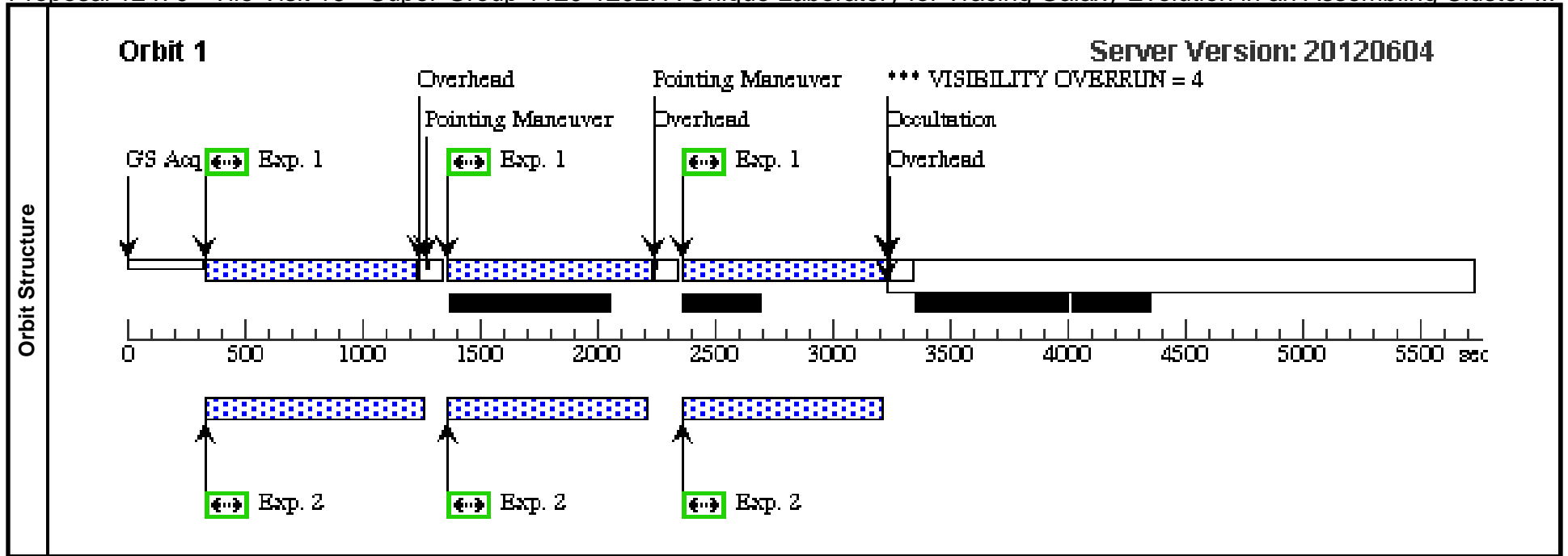
Visit	Proposal 12470, Tile Visit 15, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SAME ORIENT AS 01										
	(Tile Visit 15) Warning (Orbit Planner): VISIBILITY OVERRUN										
Diagnosics											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(2)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=2 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false				(1-2)	
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(1)	SG1120-12A	RA: 11 20 18.5095 (170.0771229d) Dec: -12 00 41.91 (-12.01164d) Equinox: J2000					V=18.2		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	(1) SG1120-12A	(1) SG1120-12A	WFC3/UVIS, ACCUM, UVIS	F390W		POS TARG 77.6708 2785437186,5.43127 3372869423; GS ACQ SCENARI O BASE1B3	Pattern 2, Exps 1-2 i n Tile Visit 15 (2) Prime + Parallel Gro up 1-2 in Pattern 2, E xps 1-2 in Tile Visit 15	870 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	2	(1) SG1120-12A	(1) SG1120-12A	ACS/WFC, ACCUM, WFC	F606W			Pattern 2, Exps 1-2 i n Tile Visit 15 (2) Prime + Parallel Gro up 1-2 in Pattern 2, E xps 1-2 in Tile Visit 15	725 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]



Proposal 12470 - Tile Visit 16 - Super-Group 1120-1202: A Unique Laboratory for Tracing Galaxy Evolution in an Assembling Cluster ...

Thu Jun 28 01:05:28 GMT 2012

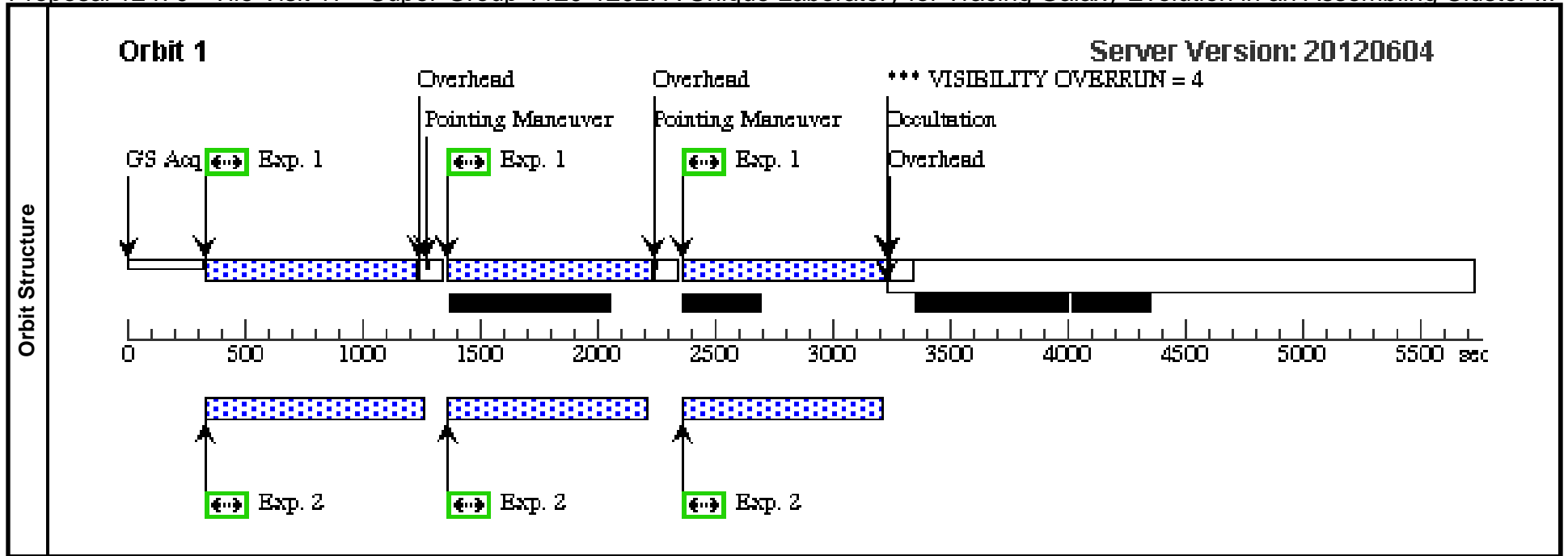
Visit	Proposal 12470, Tile Visit 16, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SAME ORIENT AS 01										
	(Tile Visit 16) Warning (Orbit Planner): VISIBILITY OVERRUN (Tile Visit 16) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE										
Diagnosics											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(2)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=2 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false				(1-2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(1)	SG1120-12A	RA: 11 20 18.5095 (170.0771229d) Dec: -12 00 41.91 (-12.01164d) Equinox: J2000				V=18.2		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	(1) SG1120-12A	(1) SG1120-12A	WFC3/UVIS, ACCUM, UVIS	F390W		POS TARG -77.670 82785437186,151.84 894662713057;	Pattern 2, Exps 1-2 i n Tile Visit 16 (2) Prime + Parallel Gro up 1-2 in Pattern 2, E xps 1-2 in Tile Visit 16	870 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	2	(1) SG1120-12A	(1) SG1120-12A	ACS/WFC, ACCUM, WFC	F606W			Pattern 2, Exps 1-2 i n Tile Visit 16 (2) Prime + Parallel Gro up 1-2 in Pattern 2, E xps 1-2 in Tile Visit 16	725 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]



Proposal 12470 - Tile Visit 17 - Super-Group 1120-1202: A Unique Laboratory for Tracing Galaxy Evolution in an Assembling Cluster ...

Thu Jun 28 01:05:29 GMT 2012

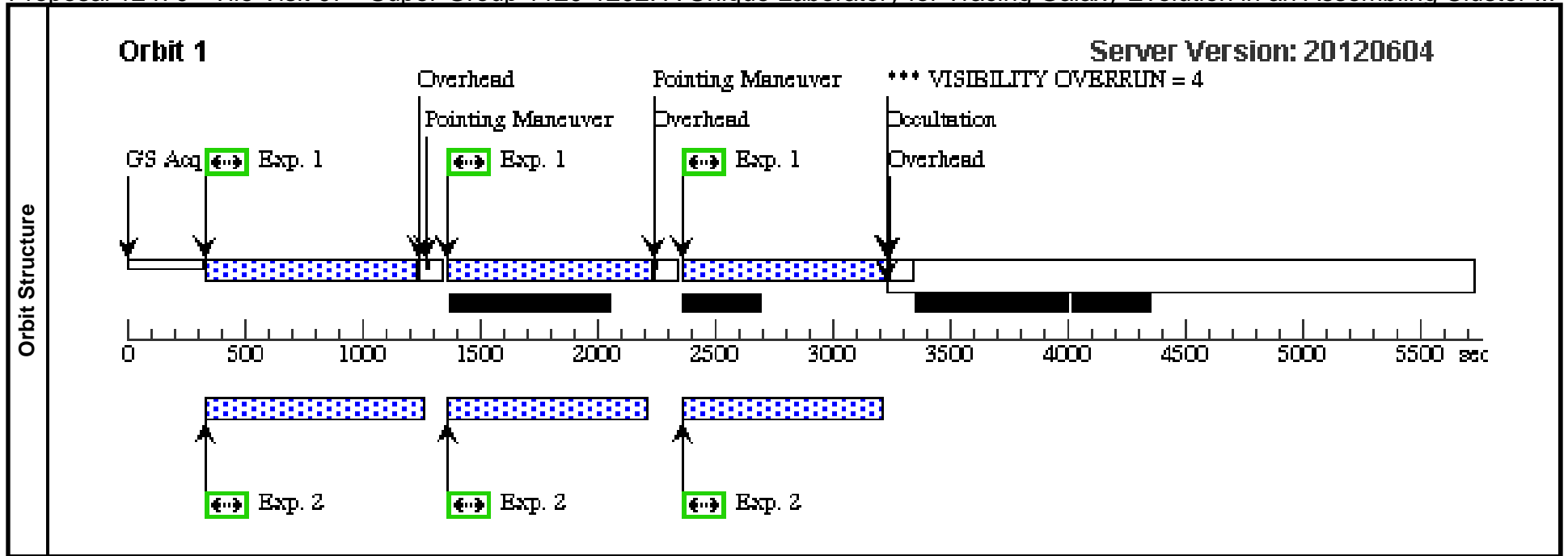
Visit	Proposal 12470, Tile Visit 17, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SAME ORIENT AS 01										
	(Tile Visit 17) Warning (Orbit Planner): VISIBILITY OVERRUN (Tile Visit 17) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE										
Diagnosics											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(2)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=2 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false				(1-2)	
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(1)	SG1120-12A	RA: 11 20 18.5095 (170.0771229d) Dec: -12 00 41.91 (-12.01164d) Equinox: J2000					V=18.2		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	(1) SG1120-12A		WFC3/UVIS, ACCUM, UVIS	F390W		POS TARG 77.6708 2785437186,162.711 49337286943;	Pattern 2, Exps 1-2 i n Tile Visit 17 (2)	870 Secs		
							GS ACQ SCENARI O BASE1B3	Prime + Parallel Gro up 1-2 in Pattern 2, E xps 1-2 in Tile Visit 17	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
2	(1) SG1120-12A		ACS/WFC, ACCUM, WFC	F606W			Pattern 2, Exps 1-2 i n Tile Visit 17 (2)	725 Secs			
							Prime + Parallel Gro up 1-2 in Pattern 2, E xps 1-2 in Tile Visit 17	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]	



Proposal 12470 - Tile Visit 07 - Super-Group 1120-1202: A Unique Laboratory for Tracing Galaxy Evolution in an Assembling Cluster ...

Thu Jun 28 01:05:30 GMT 2012

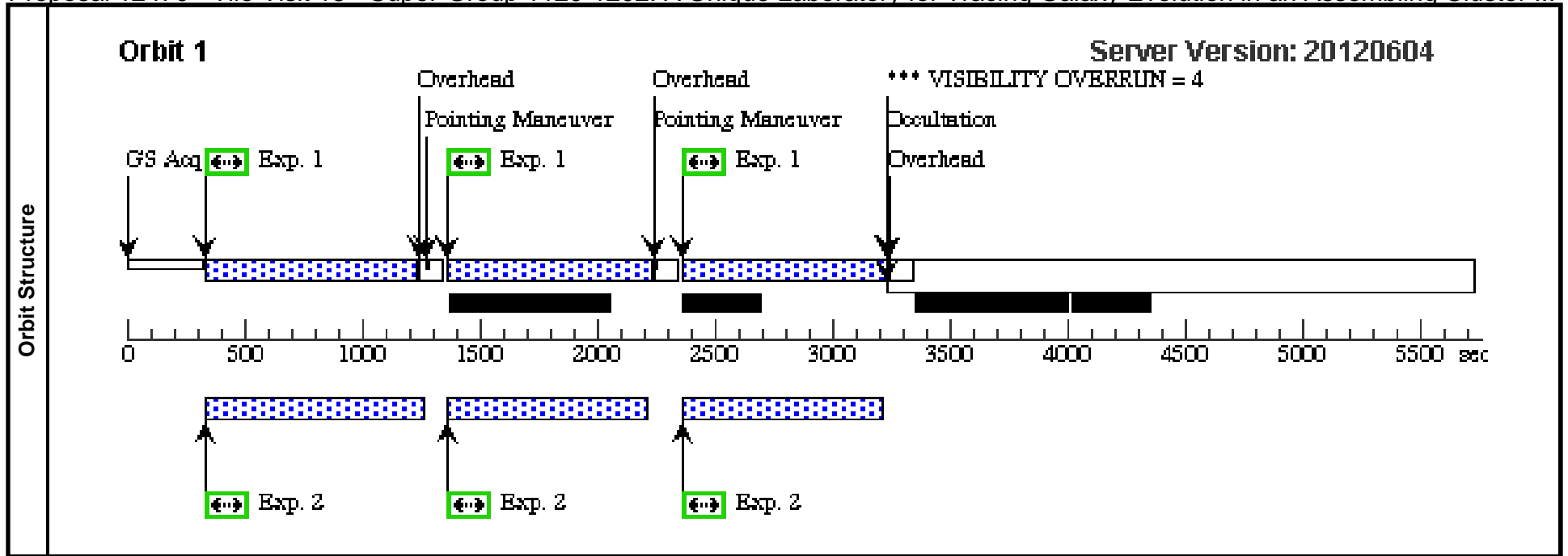
Visit	Proposal 12470, Tile Visit 07, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: ORIENT 120D TO 130 D									
	(Tile Visit 07) Warning (Orbit Planner): VISIBILITY OVERRUN (Tile Visit 07) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE									
Diagnosics										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures
	(2)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=2 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false				(1-2)
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(2)	SG1120-12B	RA: 11 20 12.4319 (170.0517996d) Dec: -12 07 52.04 (-12.13112d) Equinox: J2000				V=18.2		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(2) SG1120-12B		WFC3/UVIS, ACCUM, UVIS	F390W		POS TARG -77.670 82785437186,-162.7 1149337286946; GS ACQ SCENARI O BASE1B3	Pattern 2, Exps 1-2 i n Tile Visit 07 (2) Prime + Parallel Gro up 1-2 in Pattern 2, E xps 1-2 in Tile Visit 07	870 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	2	(2) SG1120-12B		ACS/WFC, ACCUM, WFC	F606W			Pattern 2, Exps 1-2 i n Tile Visit 07 (2) Prime + Parallel Gro up 1-2 in Pattern 2, E xps 1-2 in Tile Visit 07	725 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]



Proposal 12470 - Tile Visit 18 - Super-Group 1120-1202: A Unique Laboratory for Tracing Galaxy Evolution in an Assembling Cluster ...

Thu Jun 28 01:05:31 GMT 2012

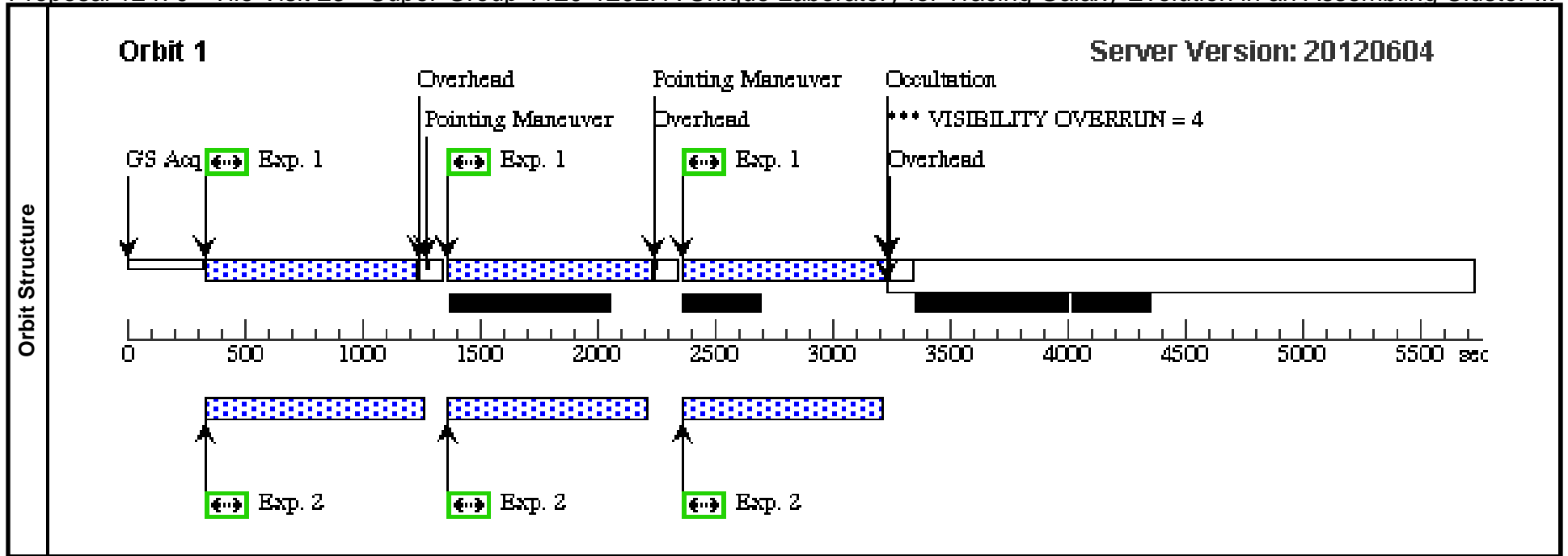
Visit	Proposal 12470, Tile Visit 18, failed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SAME ORIENT AS 07									
	(Tile Visit 18) Warning (Orbit Planner): VISIBILITY OVERRUN (Tile Visit 18) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE									
Diagnosics										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures
	(2)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=2 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false				(1-2)
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes	Miscellaneous		
	(2)	SG1120-12B	RA: 11 20 12.4319 (170.0517996d) Dec: -12 07 52.04 (-12.13112d) Equinox: J2000				V=18.2	Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(2) SG1120-12B	WFC3/UVIS, ACCUM, UVIS	F390W			POS TARG 77.6708 2785437186,-151.84 89466271306; GS ACQ SCENARI O BASE1B3	Pattern 2, Exps 1-2 i n Tile Visit 18 (2) Prime + Parallel Gro up 1-2 in Pattern 2, E xps 1-2 in Tile Visit 18	870 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	2	(2) SG1120-12B	ACS/WFC, ACCUM, WFC	F606W				Pattern 2, Exps 1-2 i n Tile Visit 18 (2) Prime + Parallel Gro up 1-2 in Pattern 2, E xps 1-2 in Tile Visit 18	725 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]



Proposal 12470 - Tile Visit 23 - Super-Group 1120-1202: A Unique Laboratory for Tracing Galaxy Evolution in an Assembling Cluster ...

Thu Jun 28 01:05:32 GMT 2012

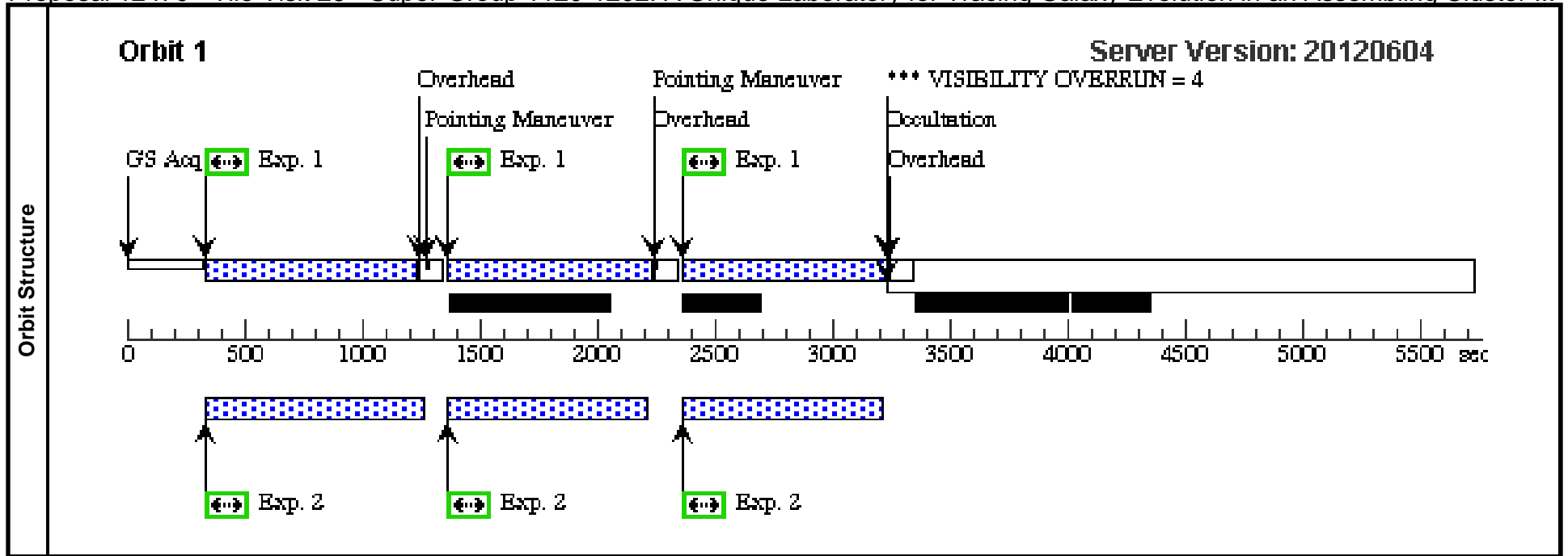
Visit	Proposal 12470, Tile Visit 23, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SAME ORIENT AS 07 <i>Comments: This is a HOPR repeat of visit 18.</i>										
	(Tile Visit 23) Warning (Orbit Planner): VISIBILITY OVERRUN (Tile Visit 23) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE										
Diagnosics											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(2)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=2 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false				(1-2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(2)	SG1120-12B	RA: 11 20 12.4319 (170.0517996d) Dec: -12 07 52.04 (-12.13112d) Equinox: J2000				V=18.2		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1	(2) SG1120-12B	WFC3/UVIS, ACCUM, UVIS	F390W			POS TARG 77.6708 2785437186,-151.84 89466271306; GS ACQ SCENARI O BASE1B3	Pattern 2, Exps 1-2 i n Tile Visit 23 (2) Prime + Parallel Gro up 1-2 in Pattern 2, E xps 1-2 in Tile Visit 23	870 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	
	2	(2) SG1120-12B	ACS/WFC, ACCUM, WFC	F606W				Pattern 2, Exps 1-2 i n Tile Visit 23 (2) Prime + Parallel Gro up 1-2 in Pattern 2, E xps 1-2 in Tile Visit 23	725 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	



Proposal 12470 - Tile Visit 26 - Super-Group 1120-1202: A Unique Laboratory for Tracing Galaxy Evolution in an Assembling Cluster ...

Thu Jun 28 01:05:33 GMT 2012

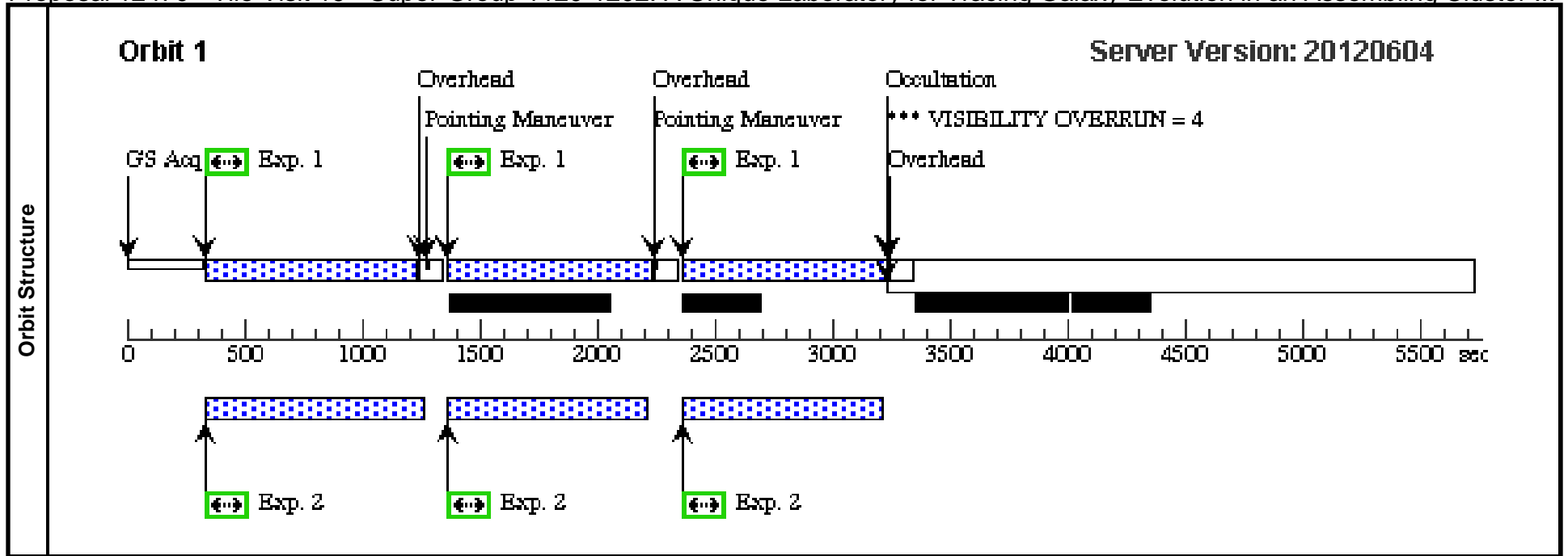
Visit	Proposal 12470, Tile Visit 26 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SAME ORIENT AS 07 <i>Comments: This is a HOPR repeat of visit 23.</i>									
	Diagnosics (Tile Visit 26) Warning (Orbit Planner): VISIBILITY OVERRUN (Tile Visit 26) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE									
Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
	(2)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=2 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false			(1-2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes	Miscellaneous		
	(2)	SG1120-12B	RA: 11 20 12.4319 (170.0517996d) Dec: -12 07 52.04 (-12.13112d) Equinox: J2000				V=18.2	Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(2) SG1120-12B		WFC3/UVIS, ACCUM, UVIS	F390W		POS TARG 77.6708 2785437186,-151.84 89466271306;	Pattern 2, Exps 1-2 i n Tile Visit 26 (2) Prime + Parallel Gro up 1-2 in Pattern 2, E xps 1-2 in Tile Visit 26	870 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	2	(2) SG1120-12B		ACS/WFC, ACCUM, WFC	F606W			Pattern 2, Exps 1-2 i n Tile Visit 26 (2) Prime + Parallel Gro up 1-2 in Pattern 2, E xps 1-2 in Tile Visit 26	725 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]



Proposal 12470 - Tile Visit 19 - Super-Group 1120-1202: A Unique Laboratory for Tracing Galaxy Evolution in an Assembling Cluster ...

Thu Jun 28 01:05:34 GMT 2012

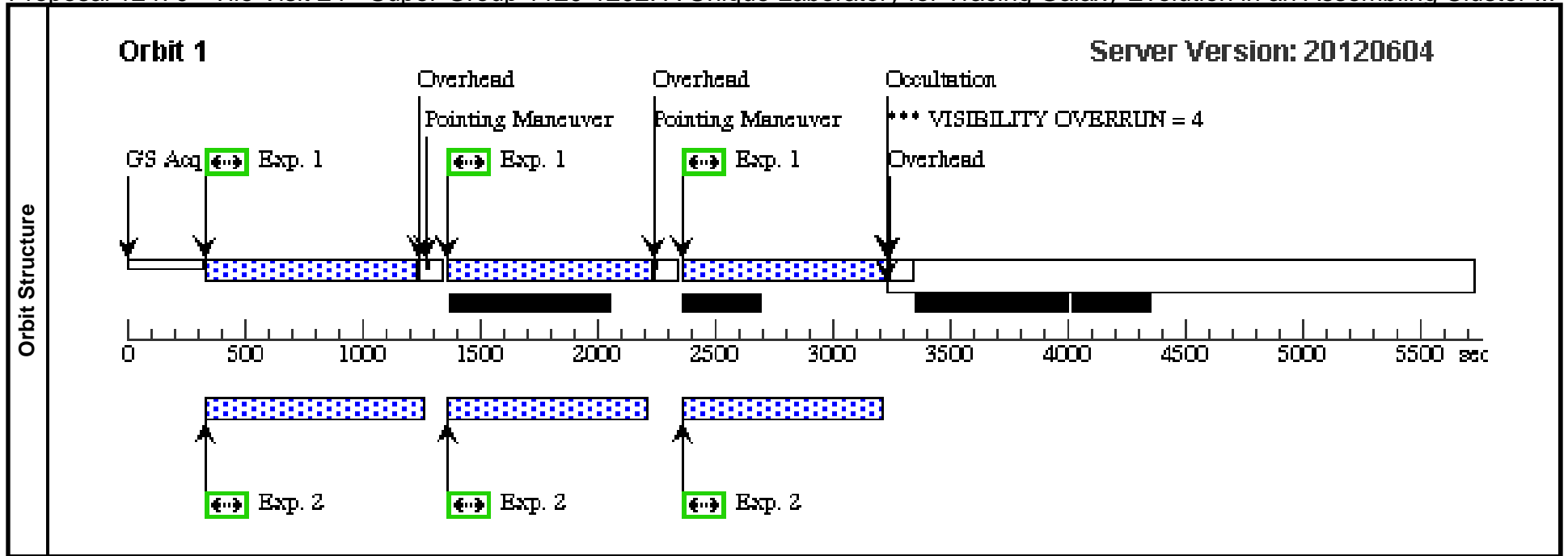
Visit	Proposal 12470, Tile Visit 19, failed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SAME ORIENT AS 07									
	(Tile Visit 19) Warning (Orbit Planner): VISIBILITY OVERRUN									
Diagnosics										
Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
	(2)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=2 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false			(1-2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes	Miscellaneous		
	(2)	SG1120-12B	RA: 11 20 12.4319 (170.0517996d) Dec: -12 07 52.04 (-12.13112d) Equinox: J2000				V=18.2	Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(2) SG1120-12B	WFC3/UVIS, ACCUM, UVIS	F390W			POS TARG -77.670 82785437186,-5.431 273372869441; GS ACQ SCENARI O BASE1B3	Pattern 2, Exps 1-2 i n Tile Visit 19 (2) Prime + Parallel Gro up 1-2 in Pattern 2, E xps 1-2 in Tile Visit 19	870 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	2	(2) SG1120-12B	ACS/WFC, ACCUM, WFC	F606W				Pattern 2, Exps 1-2 i n Tile Visit 19 (2) Prime + Parallel Gro up 1-2 in Pattern 2, E xps 1-2 in Tile Visit 19	725 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]



Proposal 12470 - Tile Visit 24 - Super-Group 1120-1202: A Unique Laboratory for Tracing Galaxy Evolution in an Assembling Cluster ...

Thu Jun 28 01:05:34 GMT 2012

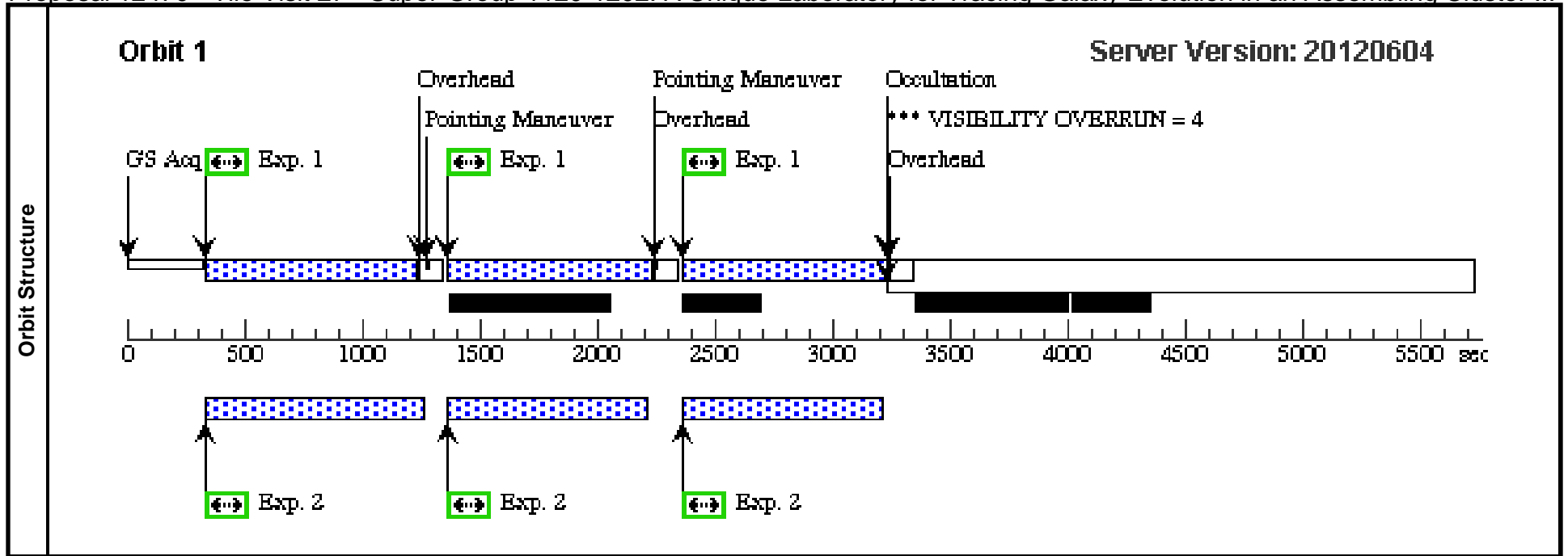
Visit	Proposal 12470, Tile Visit 24, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SAME ORIENT AS 07 <i>Comments: This is a HOPR repeat of visit 19.</i>									
	(Tile Visit 24) Warning (Orbit Planner): VISIBILITY OVERRUN									
Diagnosics										
Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
	(2)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=2 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false			(1-2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes	Miscellaneous		
	(2)	SG1120-12B	RA: 11 20 12.4319 (170.0517996d) Dec: -12 07 52.04 (-12.13112d) Equinox: J2000				V=18.2	Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(2) SG1120-12B	WFC3/UVIS, ACCUM, UVIS	F390W			POS TARG -77.670 82785437186,-5.431 273372869441; GS ACQ SCENARI O BASE1B3	Pattern 2, Exps 1-2 i n Tile Visit 24 (2) Prime + Parallel Gro up 1-2 in Pattern 2, E xps 1-2 in Tile Visit 24	870 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	2	(2) SG1120-12B	ACS/WFC, ACCUM, WFC	F606W				Pattern 2, Exps 1-2 i n Tile Visit 24 (2) Prime + Parallel Gro up 1-2 in Pattern 2, E xps 1-2 in Tile Visit 24	725 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]



Proposal 12470 - Tile Visit 27 - Super-Group 1120-1202: A Unique Laboratory for Tracing Galaxy Evolution in an Assembling Cluster ...

Thu Jun 28 01:05:35 GMT 2012

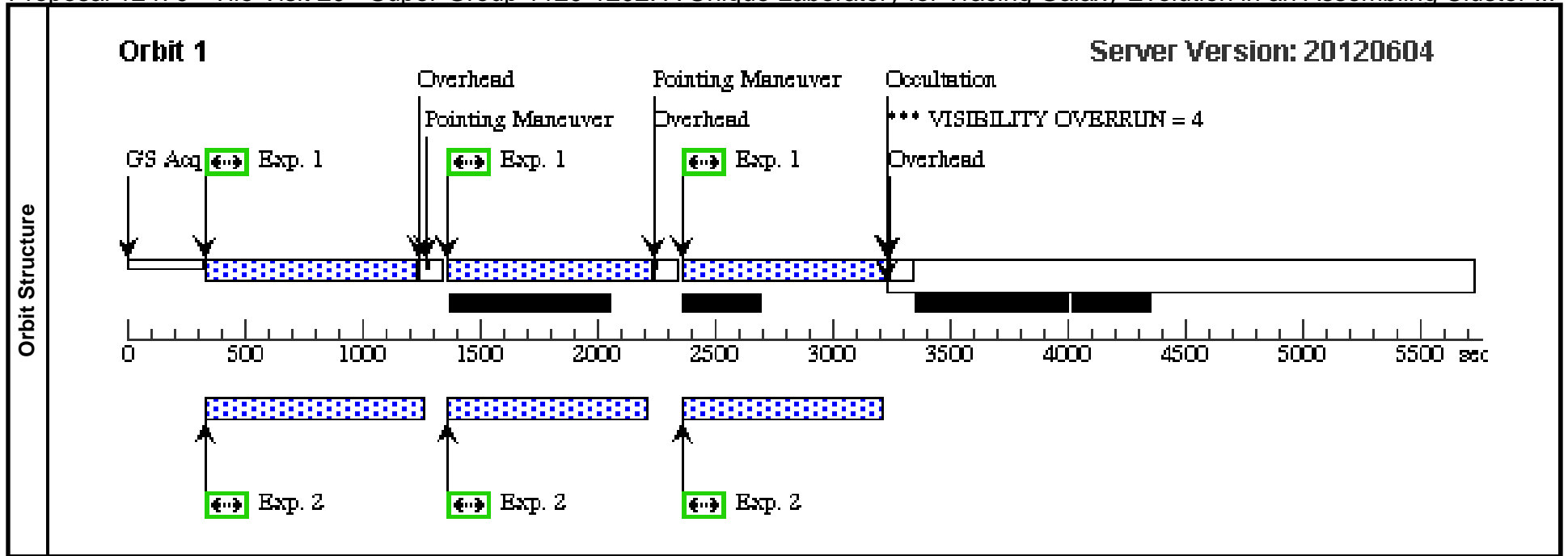
Visit	Proposal 12470, Tile Visit 27 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SAME ORIENT AS 07 <i>Comments: This is a HOPR repeat of visit 24.</i>										
	Diagnosics (Tile Visit 27) Warning (Orbit Planner): VISIBILITY OVERRUN										
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(2)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=2 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false				(1-2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(2)	SG1120-12B	RA: 11 20 12.4319 (170.0517996d) Dec: -12 07 52.04 (-12.13112d) Equinox: J2000				V=18.2		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	(2) SG1120-12B	WFC3/UVIS, ACCUM, UVIS	F390W			POS TARG -77.670 82785437186,-5.431 273372869441; GS ACQ SCENARI O BASE1B3	Pattern 2, Exps 1-2 i n Tile Visit 27 (2) Prime + Parallel Gro up 1-2 in Pattern 2, E xps 1-2 in Tile Visit 27	870 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	2	(2) SG1120-12B	ACS/WFC, ACCUM, WFC	F606W				Pattern 2, Exps 1-2 i n Tile Visit 27 (2) Prime + Parallel Gro up 1-2 in Pattern 2, E xps 1-2 in Tile Visit 27	725 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]



Proposal 12470 - Tile Visit 20 - Super-Group 1120-1202: A Unique Laboratory for Tracing Galaxy Evolution in an Assembling Cluster ...

Thu Jun 28 01:05:36 GMT 2012

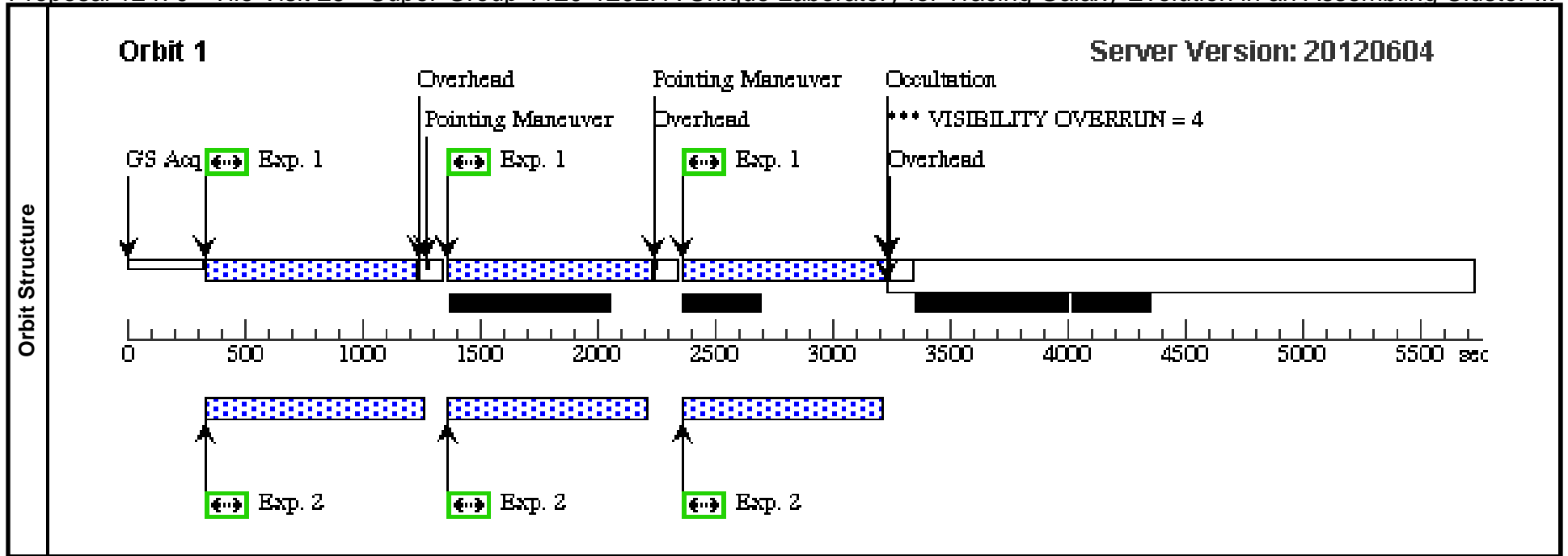
Visit	Proposal 12470, Tile Visit 20, failed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SAME ORIENT AS 07										
	(Tile Visit 20) Warning (Orbit Planner): VISIBILITY OVERRUN										
Diagnosics											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(2)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=2 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false				(1-2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(2)	SG1120-12B	RA: 11 20 12.4319 (170.0517996d) Dec: -12 07 52.04 (-12.13112d) Equinox: J2000				V=18.2		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	(2) SG1120-12B	WFC3/UVIS, ACCUM, UVIS	F390W			POS TARG 77.6708 2785437186,5.43127 3372869423; GS ACQ SCENARI O BASE1B3	Pattern 2, Exps 1-2 i n Tile Visit 20 (2) Prime + Parallel Gro up 1-2 in Pattern 2, E xps 1-2 in Tile Visit 20	870 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	2	(2) SG1120-12B	ACS/WFC, ACCUM, WFC	F606W				Pattern 2, Exps 1-2 i n Tile Visit 20 (2) Prime + Parallel Gro up 1-2 in Pattern 2, E xps 1-2 in Tile Visit 20	725 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]



Proposal 12470 - Tile Visit 25 - Super-Group 1120-1202: A Unique Laboratory for Tracing Galaxy Evolution in an Assembling Cluster ...

Thu Jun 28 01:05:37 GMT 2012

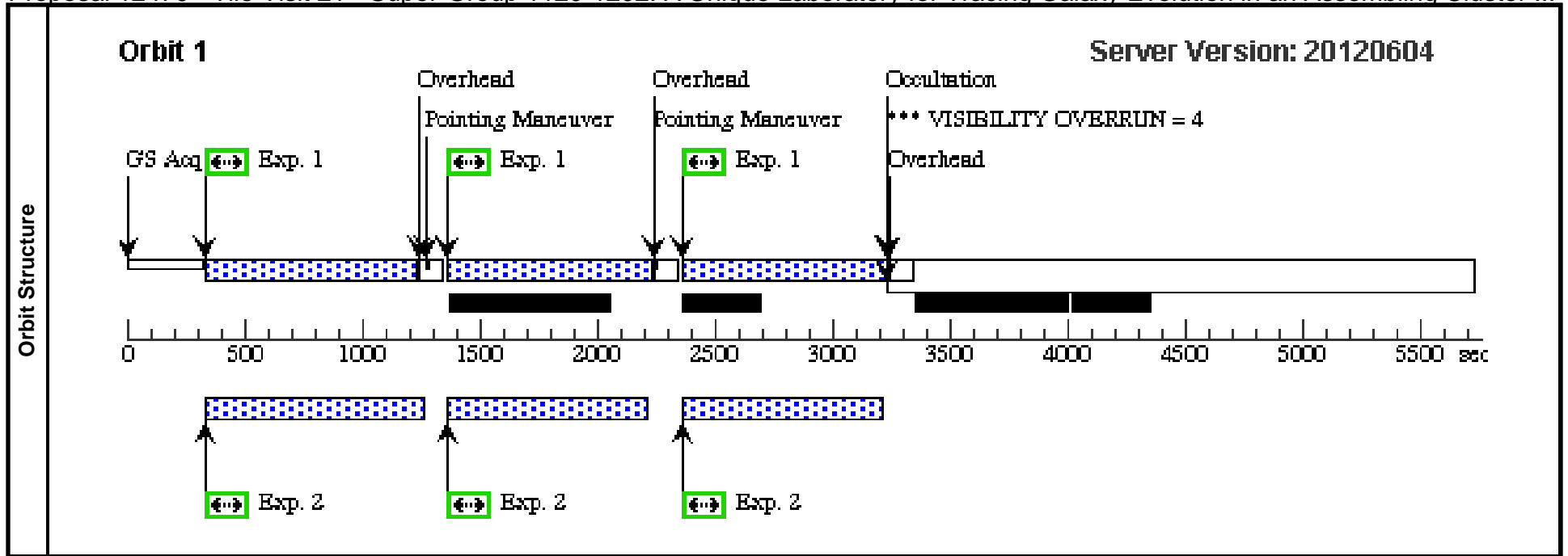
Visit	Proposal 12470, Tile Visit 25, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SAME ORIENT AS 07 <i>Comments: This is a HOPR repeat of visit 20.</i>									
	(Tile Visit 25) Warning (Orbit Planner): VISIBILITY OVERRUN									
Diagnosics										
Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
	(2)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=2 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false			(1-2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes	Miscellaneous		
	(2)	SG1120-12B	RA: 11 20 12.4319 (170.0517996d) Dec: -12 07 52.04 (-12.13112d) Equinox: J2000				V=18.2	Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(2) SG1120-12B	WFC3/UVIS, ACCUM, UVIS	F390W			POS TARG 77.6708 2785437186,5.43127 3372869423; GS ACQ SCENARI O BASE1B3	Pattern 2, Exps 1-2 i n Tile Visit 25 (2) Prime + Parallel Gro up 1-2 in Pattern 2, E xps 1-2 in Tile Visit 25	870 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	2	(2) SG1120-12B	ACS/WFC, ACCUM, WFC	F606W				Pattern 2, Exps 1-2 i n Tile Visit 25 (2) Prime + Parallel Gro up 1-2 in Pattern 2, E xps 1-2 in Tile Visit 25	725 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]



Proposal 12470 - Tile Visit 21 - Super-Group 1120-1202: A Unique Laboratory for Tracing Galaxy Evolution in an Assembling Cluster ...

Thu Jun 28 01:05:38 GMT 2012

Visit	Proposal 12470, Tile Visit 21, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SAME ORIENT AS 07										
	(Tile Visit 21) Warning (Orbit Planner): VISIBILITY OVERRUN (Tile Visit 21) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE										
Diagnosics											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(2)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=2 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false				(1-2)	
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous		
	(2)	SG1120-12B	RA: 11 20 12.4319 (170.0517996d) Dec: -12 07 52.04 (-12.13112d) Equinox: J2000				V=18.2		Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1	(2) SG1120-12B	WFC3/UVIS, ACCUM, UVIS	F390W			POS TARG -77.670 82785437186,151.84 894662713057; GS ACQ SCENARI O BASE1B3	Pattern 2, Exps 1-2 i n Tile Visit 21 (2) Prime + Parallel Gro up 1-2 in Pattern 2, E xps 1-2 in Tile Visit 21	870 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	
	2	(2) SG1120-12B	ACS/WFC, ACCUM, WFC	F606W				Pattern 2, Exps 1-2 i n Tile Visit 21 (2) Prime + Parallel Gro up 1-2 in Pattern 2, E xps 1-2 in Tile Visit 21	725 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	



Proposal 12470 - Tile Visit 22 - Super-Group 1120-1202: A Unique Laboratory for Tracing Galaxy Evolution in an Assembling Cluster ...

Thu Jun 28 01:05:39 GMT 2012

Visit	Proposal 12470, Tile Visit 22, completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS, ACS/WFC Special Requirements: SAME ORIENT AS 07										
	(Tile Visit 22) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE (Tile Visit 22) Warning (Orbit Planner): VISIBILITY OVERRUN										
Diagnosics											
Patterns	#	Primary Pattern				Secondary Pattern				Exposures	
	(2)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=2 Line Spacing=				Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false				(1-2)	
Fixed Targets	#	Name	Target Coordinates			Targ. Coord. Corrections		Fluxes		Miscellaneous	
	(2)	SG1120-12B	RA: 11 20 12.4319 (170.0517996d) Dec: -12 07 52.04 (-12.13112d) Equinox: J2000					V=18.2		Reference Frame: ICRS	
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]		Orbit
	1	(2) SG1120-12B	WFC3/UVIS, ACCUM, UVIS	F390W			POS TARG 77.6708 2785437186,162.711 49337286943; GS ACQ SCENARI O BASE1B3	Pattern 2, Exps 1-2 i n Tile Visit 22 (2) Prime + Parallel Gro up 1-2 in Pattern 2, E xps 1-2 in Tile Visit 22	870 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]
	2	(2) SG1120-12B	ACS/WFC, ACCUM, WFC	F606W				Pattern 2, Exps 1-2 i n Tile Visit 22 (2) Prime + Parallel Gro up 1-2 in Pattern 2, E xps 1-2 in Tile Visit 22	725 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]		[1]

