



12229 - HST U-band Survey of Star Clusters in Nearby Star-Forming Galaxies

Cycle: 18, Proposal Category: SNAP

(Availability Mode: SUPPORTED)

INVESTIGATORS

<i>Name</i>	<i>Institution</i>	<i>E-Mail</i>
Dr. Linda J. Smith (PI) (ESA Member)	Space Telescope Science Institute	lsmith@stsci.edu
Dr. Iraklis S. Konstantopoulos (CoI) (AdminUSPI)	The Pennsylvania State University	iraklis@astro.psu.edu
Dr. Nate Bastian (CoI) (ESA Member)	University of Cambridge	bastian@ast.cam.ac.uk
Prof. Jane C. Charlton (CoI)	The Pennsylvania State University	charlton@astro.psu.edu
Prof. John S. Gallagher III (CoI)	University of Wisconsin - Madison	jsg@astro.wisc.edu
Dr. Dan Weisz (CoI)	University of Minnesota - Twin Cities	dweisz@astro.umn.edu
Dr. Mark S. Westmoquette (CoI) (ESA Member)	University College London (UCL)	msw@star.ucl.ac.uk
Dr. Soeren S. Larsen (CoI) (ESA Member)	Universiteit Utrecht, Sterrekundig Instituut	S.Larsen@astro.uu.nl

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	(108) IC356	WFC3/UVIS	1	20-Jan-2011 21:15:40.0	yes
02	(113) NGC247	WFC3/UVIS	1	20-Jan-2011 21:15:44.0	yes
03	(114) NGC300	WFC3/UVIS	1	20-Jan-2011 21:15:47.0	yes
04	(115) NGC660	WFC3/UVIS	1	20-Jan-2011 21:15:49.0	yes
05	(116) NGC672	WFC3/UVIS	1	20-Jan-2011 21:15:51.0	yes
06	(117) NGC891	WFC3/UVIS	1	20-Jan-2011 21:15:54.0	yes
07	(118) NGC925	WFC3/UVIS	1	20-Jan-2011 21:15:56.0	yes
08	(119) NGC949	WFC3/UVIS	1	20-Jan-2011 21:15:58.0	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>
09	(120) NGC959	WFC3/UVIS	1	20-Jan-2011 21:16:00.0	yes
10	(121) NGC1003	WFC3/UVIS	1	20-Jan-2011 21:16:02.0	yes
11	(122) NGC1487	WFC3/UVIS	1	20-Jan-2011 21:16:05.0	yes
12	(123) NGC1518	WFC3/UVIS	1	20-Jan-2011 21:16:07.0	yes
13	(125) NGC2146	WFC3/UVIS	1	20-Jan-2011 21:16:09.0	yes
14	(126) NGC2427	WFC3/UVIS	1	20-Jan-2011 21:16:11.0	yes
15	(127) NGC2997	WFC3/UVIS	1	20-Jan-2011 21:16:13.0	yes
16	(128) NGC3718	WFC3/UVIS	1	20-Jan-2011 21:16:15.0	yes
17	(129) NGC3756	WFC3/UVIS	1	20-Jan-2011 21:16:17.0	yes
18	(130) NGC3982	WFC3/UVIS	1	20-Jan-2011 21:16:19.0	yes
19	(131) NGC4041	WFC3/UVIS	1	20-Jan-2011 21:16:21.0	yes
20	(133) NGC5806	WFC3/UVIS	1	20-Jan-2011 21:16:23.0	yes
21	(134) NGC6217	WFC3/UVIS	1	20-Jan-2011 21:16:26.0	yes
22	(135) NGC7424	WFC3/UVIS	1	20-Jan-2011 21:16:27.0	yes

22 Total Orbits Used

ABSTRACT

We propose a small Snapshot program to obtain U-band imaging of a sample of 22 nearby star-forming galaxies with existing HST B, V, and I-band imaging. With the high UV efficiency and large field of view of WFC3/UVIS, it is now possible to obtain deep U-band imaging for a large sample of galaxies, and address fundamental questions on the cluster systems which can only now be answered. We will focus mainly on the young stellar cluster populations of these galaxies and use the deep U-band observations to accurately age date tens or even hundreds of clusters in each galaxy. By measuring the ages and masses of the cluster populations, we will be able to answer many of the outstanding questions regarding their properties, survival rates, cluster formation histories and environmental dependencies. The overall aim will be to relate cluster formation and cluster properties to the star formation rates and morphologies of their host galaxies. In particular, this dataset will be used to: 1) constrain the fraction of stars that form in clusters and search for environmental dependencies; 2) study the cluster luminosity/mass function and determine if a characteristic mass exists in the distribution; 3) measure the size (radius) distribution of the clusters and determine if this has a dependence on environment; 4)

empirically constrain cluster disruption laws; and 5) determine the star/cluster formation histories of these galaxies over the past Gyr. This survey will complement existing imaging and will provide a rich legacy dataset for the entire community. We waive the 12 month proprietary period.

OBSERVING DESCRIPTION

All exposures are 3*600 s in F336W. For most galaxies, the UVIS-FIX aperture has been used to place the centre of the galaxy near the centre of UVIS to permit maximum spatial coverage given the unknown orient, and the need to cover the same regions as the previous WFPC2 and ACS imaging. For these cases, a WFC3-UVIS-MOS-DITH-LINE pattern has been used to bridge the chip gap with 3 pointings. No secondary pattern is used.

For the smaller galaxies IC 356, NGC 949, 959, 1487 and 3982, the UVIS2-FIX aperture is used because the galaxies comfortably fit onto one chip. For these cases, a WFC3-UVIS-DITHER-LINE-3PT pattern is used. The UVIS2 chip is preferred because of its greater sensitivity in the UV.

Proposal 12229 - Visit 01 - HST U-band Survey of Star Clusters in Nearby Star-Forming Galaxies

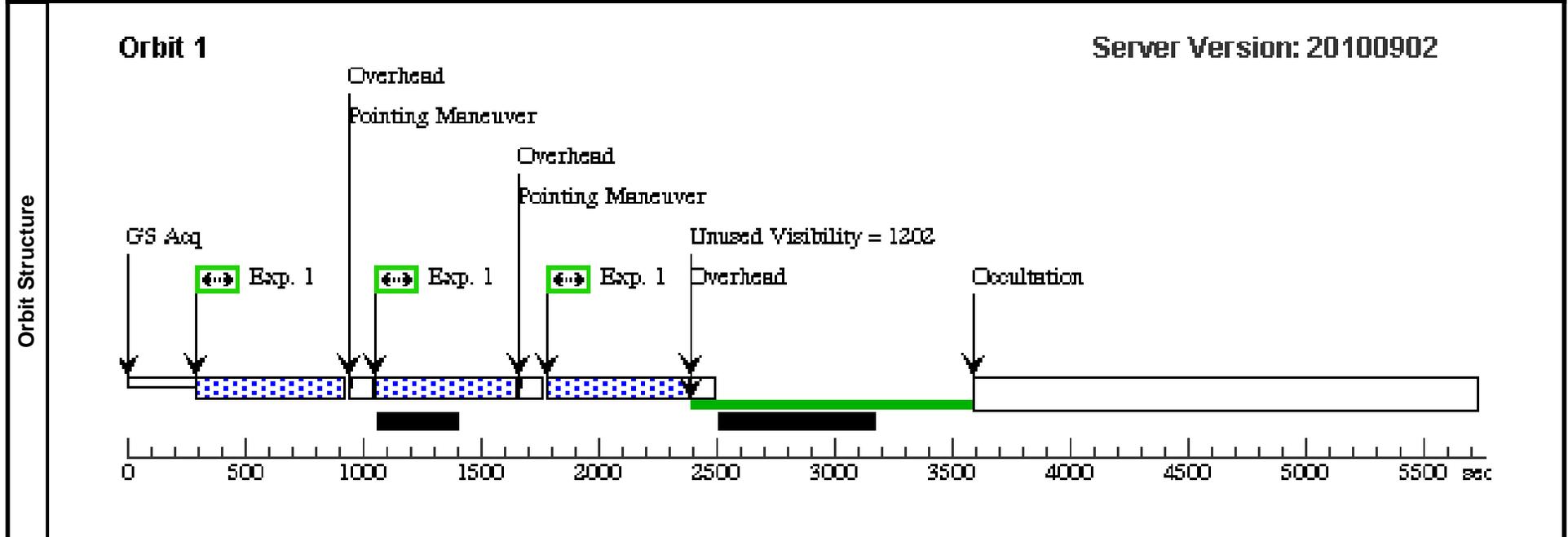
Fri Jan 21 02:16:31 GMT 2011

Visit	Proposal 12229, Visit 01, scheduling		
	Diagnostic Status: No Diagnostics		
	Scientific Instruments: WFC3/UVIS		
	Special Requirements: (none)		

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(2)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(1)

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(108)	IC356	RA: 04 07 46.4700 (61.9436250d) Dec: +69 48 45.20 (69.81256d) Equinox: J2000		V=11.39	Reference Frame: ICRS
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>					
	<i>ACS/WFC aperture is WFC1</i>					

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(108) IC356	WFC3/UVIS, ACCUM, UVIS2-FIX	F336W			Pattern 2, Exps 1-1 in Visit 01 (2)	600 Secs	
									[=>(Pattern 1)]	[1]
									[=>(Pattern 2)]	
									[=>(Pattern 3)]	



Proposal 12229 - Visit 02 - HST U-band Survey of Star Clusters in Nearby Star-Forming Galaxies

Fri Jan 21 02:16:32 GMT 2011

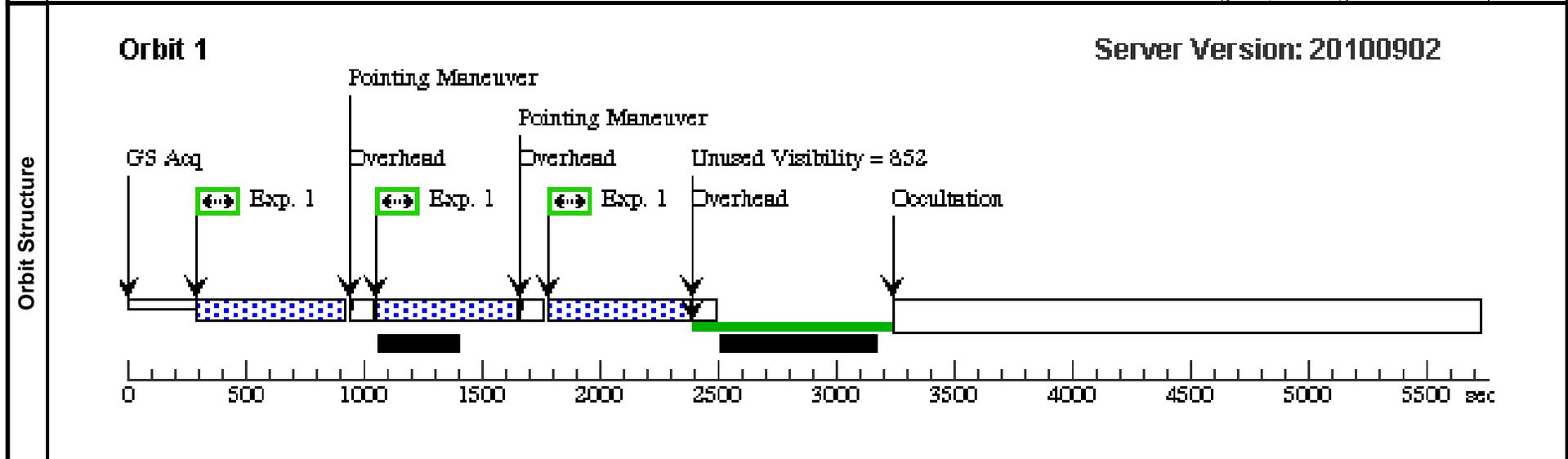
Visit	Proposal 12229, Visit 02, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)		
--------------	---	--	--

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=MOSAIC Number Of Points=3 Point Spacing=2.4 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.754 Angle Between Sides= Center Pattern=true	(1)

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(113)	NGC247	RA: 00 47 10.4900 (11.7937083d) Dec: -20 46 9.00 (-20.76917d) Equinox: J2000		V=9.11	Reference Frame: ICRS

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(113) NGC247	WFC3/UVIS, ACCUM, UVIS-FIX	F336W			Pattern 1, Exps 1-1 in Visit 02 (1)	600 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]



Proposal 12229 - Visit 03 - HST U-band Survey of Star Clusters in Nearby Star-Forming Galaxies

Fri Jan 21 02:16:32 GMT 2011

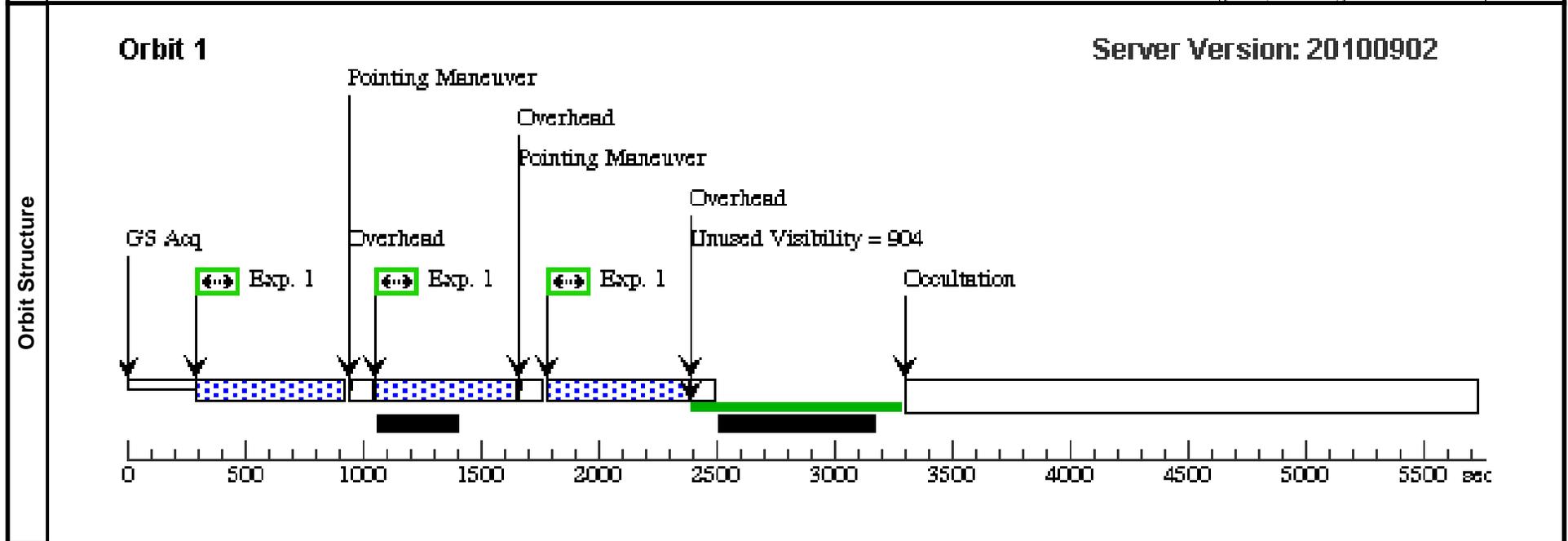
Visit	Proposal 12229, Visit 03, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)		
--------------	--	--	--

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=MOSAIC Number Of Points=3 Point Spacing=2.4 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.754 Angle Between Sides= Center Pattern=true	(1)

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(114)	NGC300	RA: 00 54 47.7000 (13.6987500d) Dec: -37 40 51.60 (-37.68100d) Equinox: J2000		V=8.13	Reference Frame: ICRS

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(114) NGC300	WFC3/UVIS, ACCUM, UVIS-FIX	F336W				Pattern 1, Exps 1-1 in Visit 03 (1) 600 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]



Proposal 12229 - Visit 04 - HST U-band Survey of Star Clusters in Nearby Star-Forming Galaxies

Fri Jan 21 02:16:33 GMT 2011

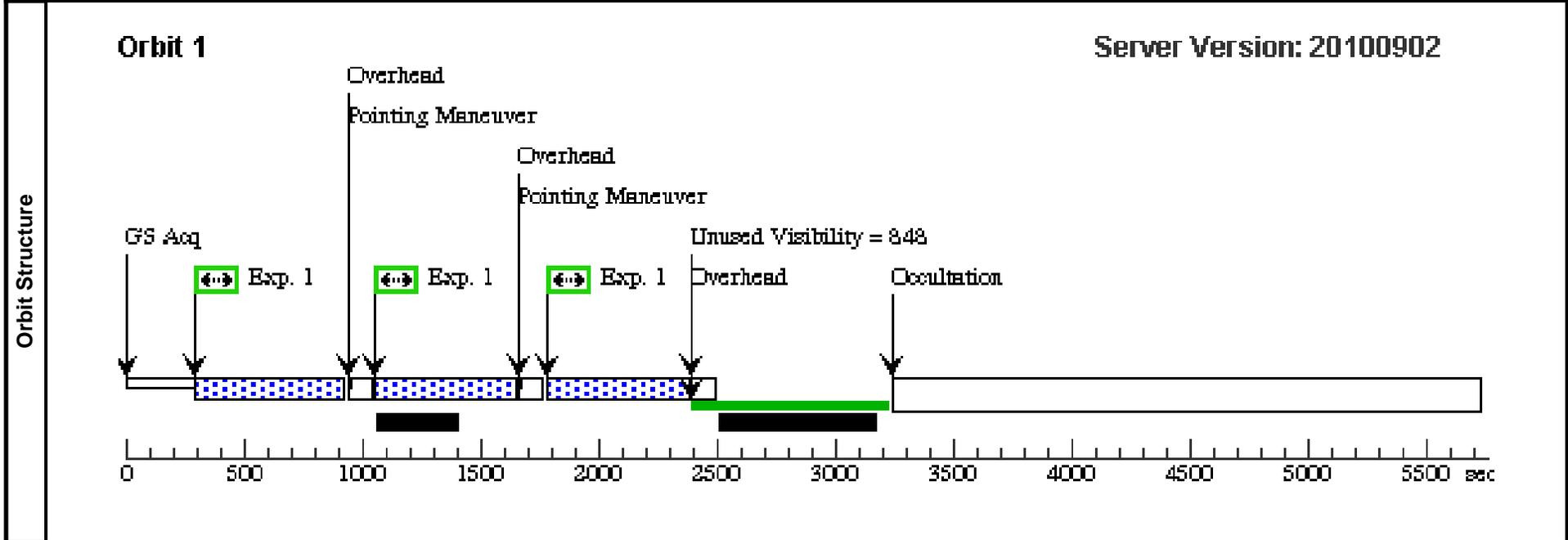
Visit	Proposal 12229, Visit 04, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)		
--------------	--	--	--

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=MOSAIC Number Of Points=3 Point Spacing=2.4 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=85.754 Angle Between Sides= Center Pattern=true		(1)

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(115)	NGC660	RA: 01 43 1.7300 (25.7572083d) Dec: +13 38 36.20 (13.64339d) Equinox: J2000		V=11.16	Reference Frame: ICRS

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(115) NGC660	WFC3/UVIS, ACCUM, UVIS-FIX	F336W				Pattern 1, Exps 1-1 i n Visit 04 (1)	600 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]



Proposal 12229 - Visit 05 - HST U-band Survey of Star Clusters in Nearby Star-Forming Galaxies

Fri Jan 21 02:16:33 GMT 2011

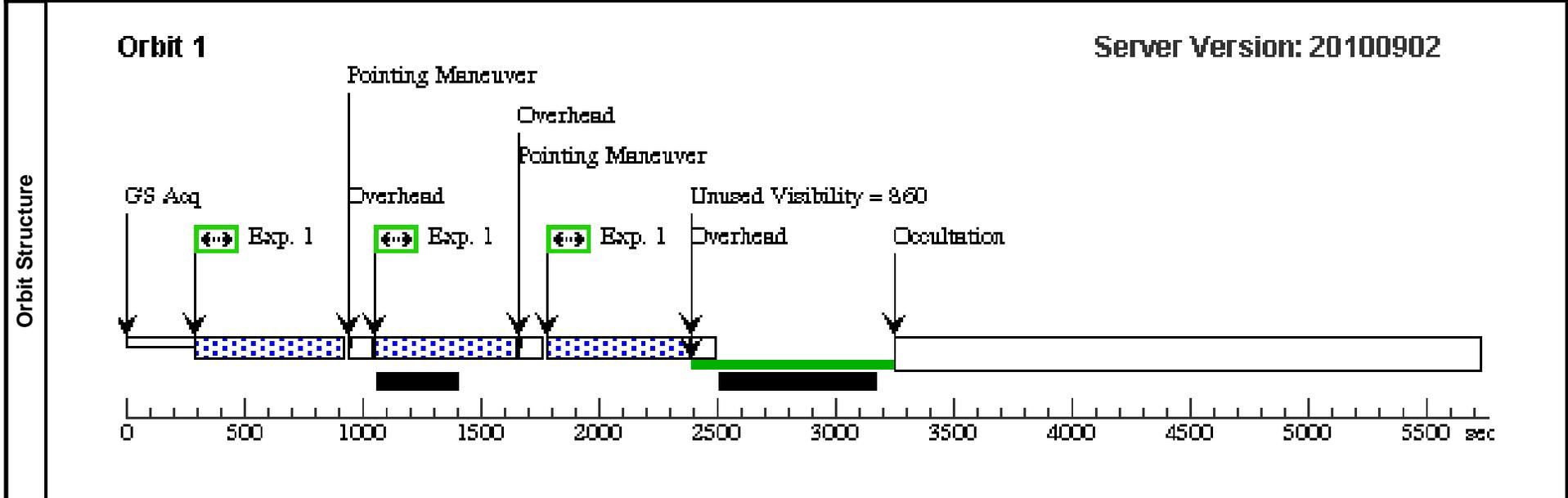
Visit	Proposal 12229, Visit 05, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)		
--------------	--	--	--

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=MOSAIC Number Of Points=3 Point Spacing=2.4 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=85.754 Angle Between Sides= Center Pattern=true		(1)

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(116)	NGC672	RA: 01 47 54.0600 (26.9752500d) Dec: +27 25 55.80 (27.43217d) Equinox: J2000		V=11.47	Reference Frame: ICRS

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(116) NGC672	WFC3/UVIS, ACCUM, UVIS-FIX	F336W				Pattern 1, Exps 1-1 i n Visit 05 (1)	600 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]



Proposal 12229 - Visit 06 - HST U-band Survey of Star Clusters in Nearby Star-Forming Galaxies

Fri Jan 21 02:16:33 GMT 2011

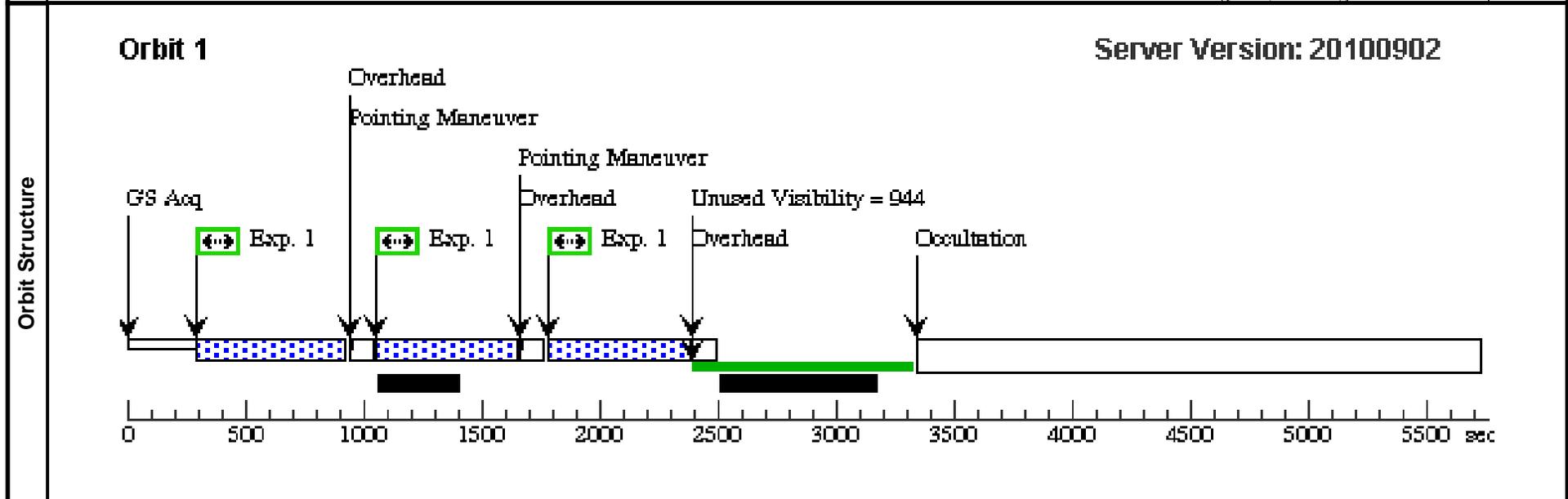
Visit	Proposal 12229, Visit 06, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)		
--------------	---	--	--

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=MOSAIC Number Of Points=3 Point Spacing=2.4 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=85.754 Angle Between Sides= Center Pattern=true		(1)

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(117)	NGC891	RA: 02 22 32.9000 (35.6370833d) Dec: +42 20 45.80 (42.34606d) Equinox: J2000		V=9.93	Reference Frame: ICRS

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(117) NGC891	WFC3/UVIS, ACCUM, UVIS-FIX	F336W				Pattern 1, Exps 1-1 i n Visit 06 (1)	600 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]



Proposal 12229 - Visit 07 - HST U-band Survey of Star Clusters in Nearby Star-Forming Galaxies

Fri Jan 21 02:16:33 GMT 2011

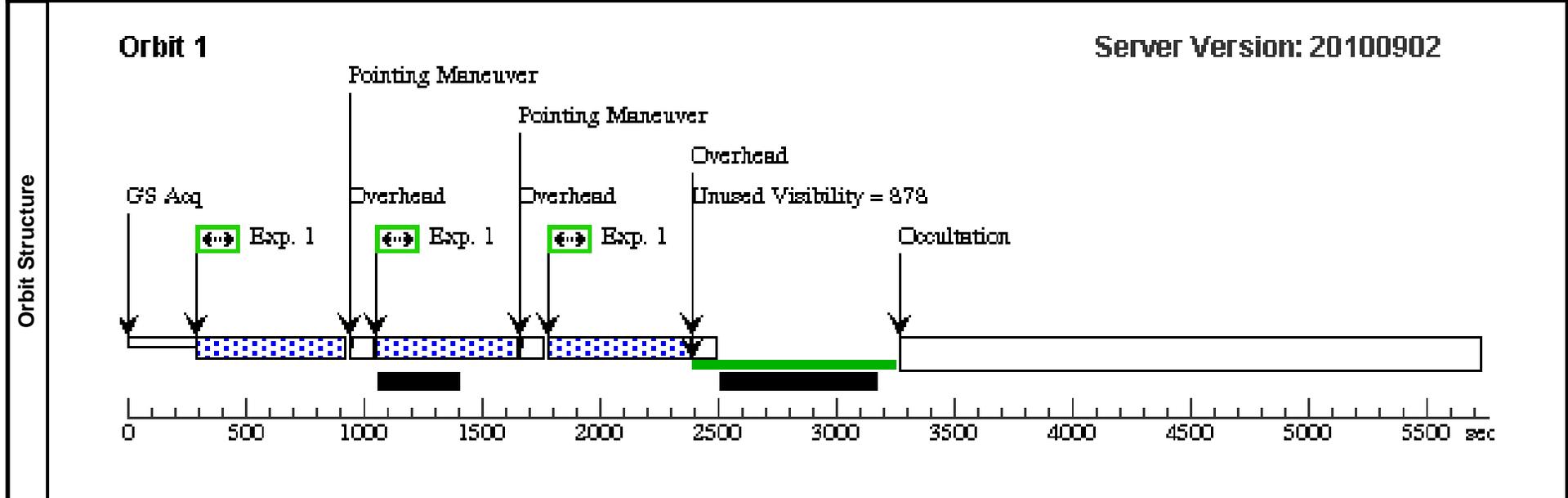
Visit	Proposal 12229, Visit 07, completed		
	Diagnostic Status: No Diagnostics		
	Scientific Instruments: WFC3/UVIS		
	Special Requirements: (none)		

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=MOSAIC Number Of Points=3 Point Spacing=2.4 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.754 Angle Between Sides= Center Pattern=true	

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(118)	NGC925	RA: 02 27 5.1400 (36.7714167d) Dec: +33 34 54.50 (33.58181d) Equinox: J2000		V=10.12	Reference Frame: ICRS

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(118) NGC925	WFC3/UVIS, ACCUM, UVIS-FIX	F336W				Pattern 1, Exps 1-1 in Visit 07 (1)	600 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]



Proposal 12229 - Visit 08 - HST U-band Survey of Star Clusters in Nearby Star-Forming Galaxies

Fri Jan 21 02:16:34 GMT 2011

Visit	Proposal 12229, Visit 08, scheduling		
	Diagnostic Status: No Diagnostics		
	Scientific Instruments: WFC3/UVIS		
	Special Requirements: (none)		

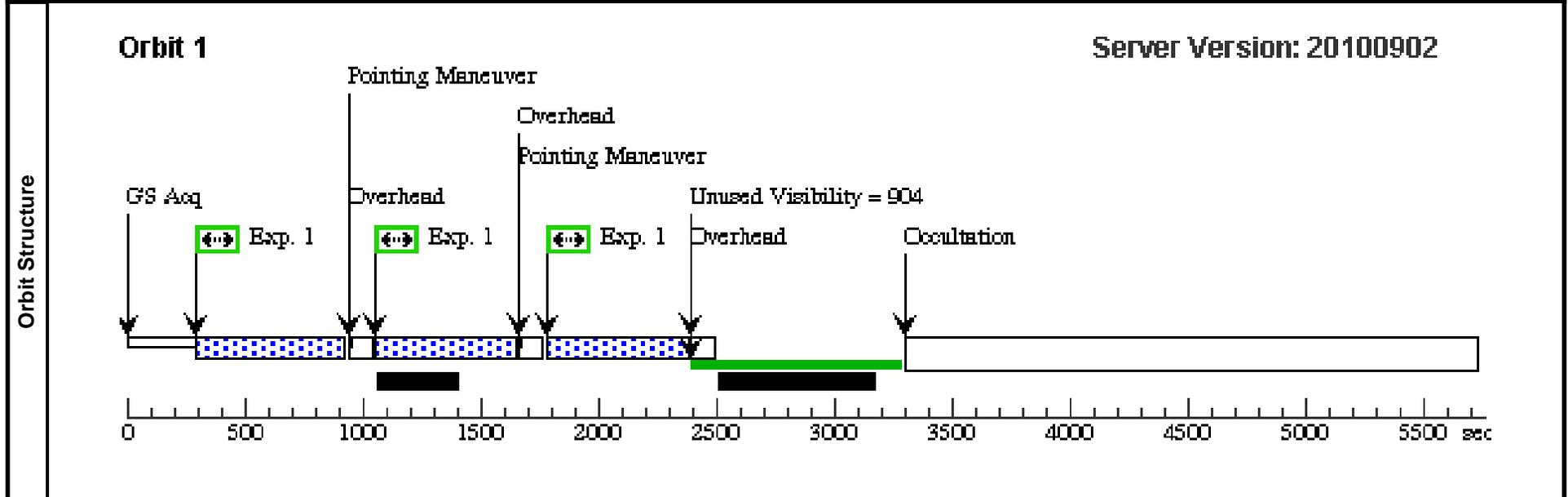
Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(2)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(119)	NGC949	RA: 02 30 48.6500 (37.7027083d) Dec: +37 08 12.50 (37.13681d) Equinox: J2000		V=11.97	Reference Frame: ICRS

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

Coords revised to center galaxy on one UVIS CCD

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(119) NGC949	WFC3/UVIS, ACCUM, UVIS2-FIX	F336W				Pattern 2, Exps 1-1 in Visit 08 (2)	600 Secs
									[=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]



Proposal 12229 - Visit 09 - HST U-band Survey of Star Clusters in Nearby Star-Forming Galaxies

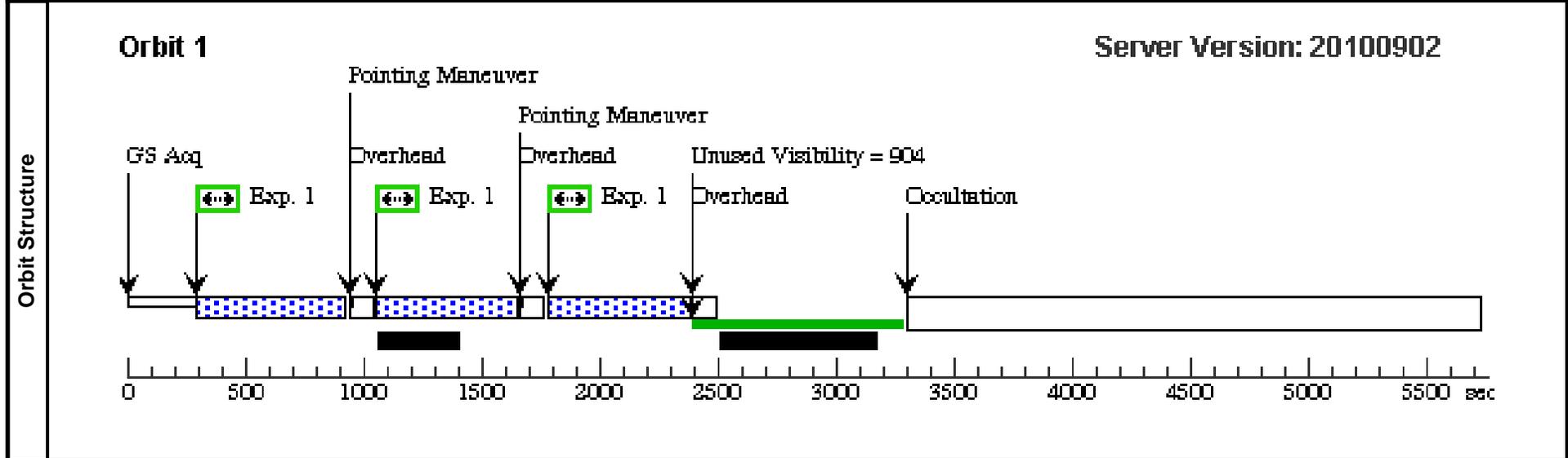
Fri Jan 21 02:16:34 GMT 2011

Visit	Proposal 12229, Visit 09, scheduling		
	Diagnostic Status: No Diagnostics		
	Scientific Instruments: WFC3/UVIS		
	Special Requirements: (none)		

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(2)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(1)

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(120)	NGC959	RA: 02 32 24.1300 (38.1005417d) Dec: +35 29 40.70 (35.49464d) Equinox: J2000		V=12.38	Reference Frame: ICRS
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>					

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(120) NGC959	WFC3/UVIS, ACCUM, UVIS2-FIX	F336W			Pattern 2, Exps 1-1 i n Visit 09 (2)	600 Secs	
									[=>(Pattern 1)]	
									[=>(Pattern 2)]	[1]
									[=>(Pattern 3)]	



Proposal 12229 - Visit 10 - HST U-band Survey of Star Clusters in Nearby Star-Forming Galaxies

Fri Jan 21 02:16:34 GMT 2011

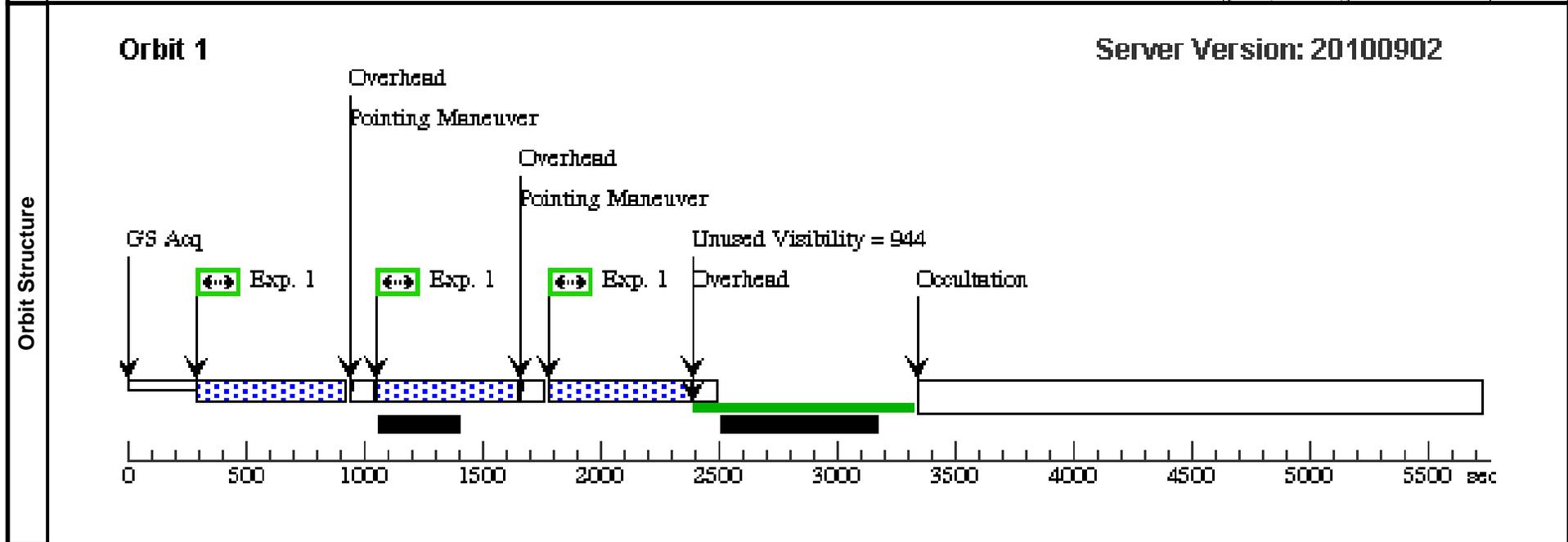
Visit	Proposal 12229, Visit 10, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)		
--------------	--	--	--

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=MOSAIC Number Of Points=3 Point Spacing=2.4 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=85.754 Angle Between Sides= Center Pattern=true		(1)

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(121)	NGC1003	RA: 02 39 16.4000 (39.818333d) Dec: +40 52 20.40 (40.87233d) Equinox: J2000		V=12.0	Reference Frame: ICRS

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(121) NGC1003	WFC3/UVIS, ACCUM, UVIS-FIX	F336W			Pattern 1, Exps 1-1 in Visit 10 (1)	600 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]



Proposal 12229 - Visit 11 - HST U-band Survey of Star Clusters in Nearby Star-Forming Galaxies

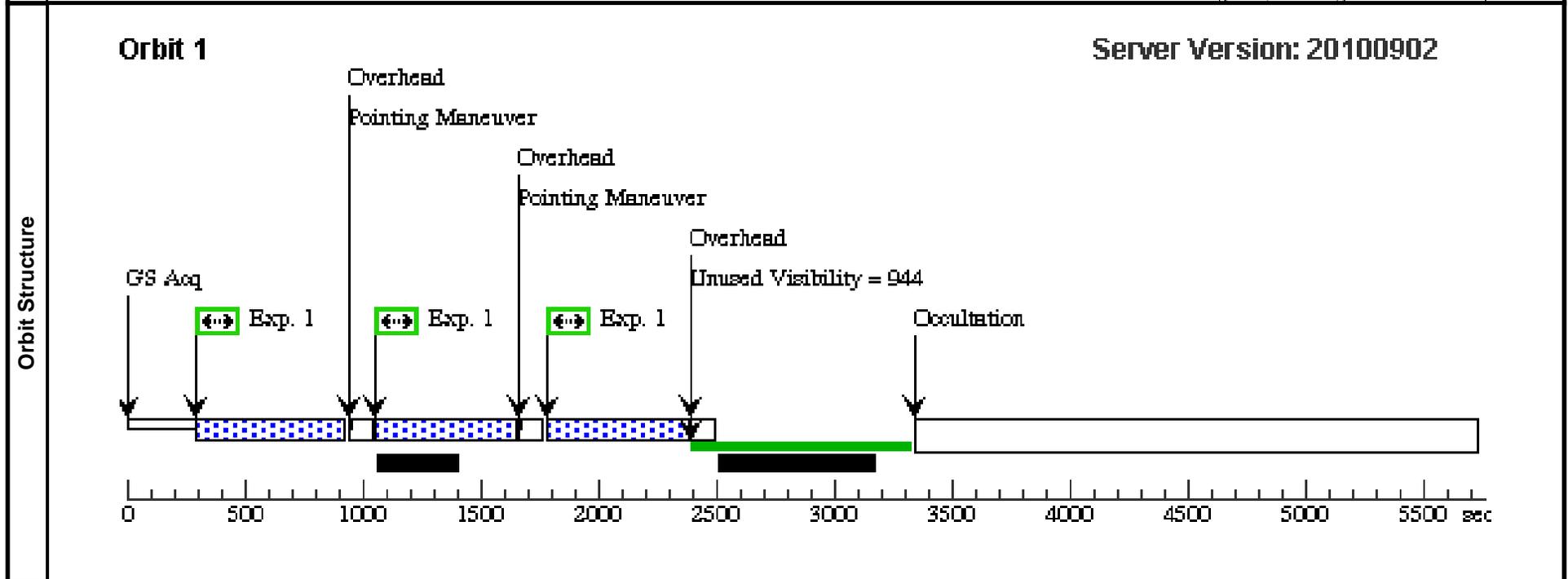
Fri Jan 21 02:16:34 GMT 2011

Visit	Proposal 12229, Visit 11, scheduling		
	Diagnostic Status: No Diagnostics		
	Scientific Instruments: WFC3/UVIS		
	Special Requirements: (none)		

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(2)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(1)

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(122)	NGC1487	RA: 03 55 45.2200 (58.9384167d) Dec: -42 22 15.20 (-42.37089d) Equinox: J2000		V=12.34	Reference Frame: ICRS
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>						

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(122) NGC1487	WFC3/UVIS, ACCUM, UVIS2-FIX	F336W			Pattern 2, Exps 1-1 i n Visit 11 (2)	600 Secs	
									[=>(Pattern 1)]	
									[=>(Pattern 2)]	[1]
									[=>(Pattern 3)]	



Proposal 12229 - Visit 12 - HST U-band Survey of Star Clusters in Nearby Star-Forming Galaxies

Fri Jan 21 02:16:35 GMT 2011

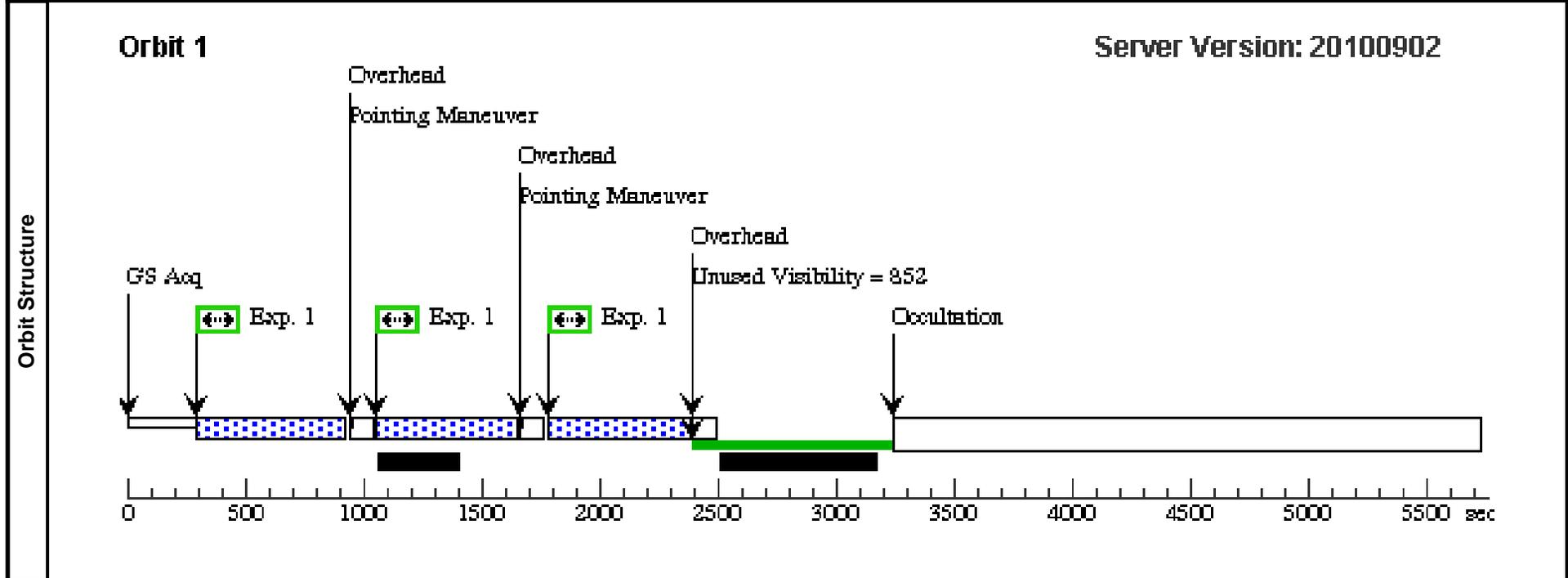
Visit	Proposal 12229, Visit 12, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)		
--------------	--	--	--

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=MOSAIC Number Of Points=3 Point Spacing=2.4 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=85.754 Angle Between Sides= Center Pattern=true		(1)

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(123)	NGC1518	RA: 04 06 49.0000 (61.7041667d) Dec: -21 10 40.20 (-21.17783d) Equinox: J2000		V=11.84	Reference Frame: ICRS

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(123) NGC1518	WFC3/UVIS, ACCUM, UVIS-FIX	F336W				Pattern 1, Exps 1-1 i n Visit 12 (1)	600 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]



Proposal 12229 - Visit 13 - HST U-band Survey of Star Clusters in Nearby Star-Forming Galaxies

Fri Jan 21 02:16:35 GMT 2011

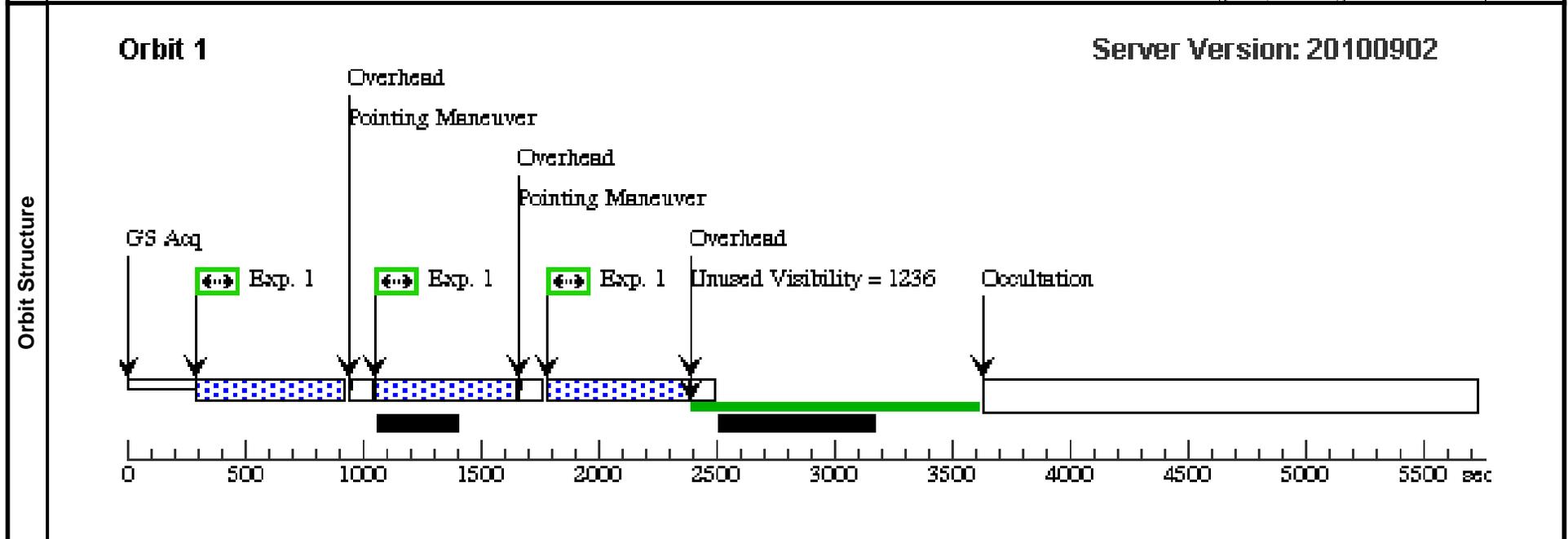
Visit	Proposal 12229, Visit 13, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)		
--------------	---	--	--

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=MOSAIC Number Of Points=3 Point Spacing=2.4 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.754 Angle Between Sides= Center Pattern=true	(1)

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(125)	NGC2146	RA: 06 18 37.7100 (94.6571250d) Dec: +78 21 25.30 (78.35703d) Equinox: J2000		V=10.59	Reference Frame: ICRS

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(125) NGC2146	WFC3/UVIS, ACCUM, UVIS-FIX	F336W				Pattern 1, Exps 1-1 in Visit 13 (1) 600 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]



Proposal 12229 - Visit 14 - HST U-band Survey of Star Clusters in Nearby Star-Forming Galaxies

Fri Jan 21 02:16:35 GMT 2011

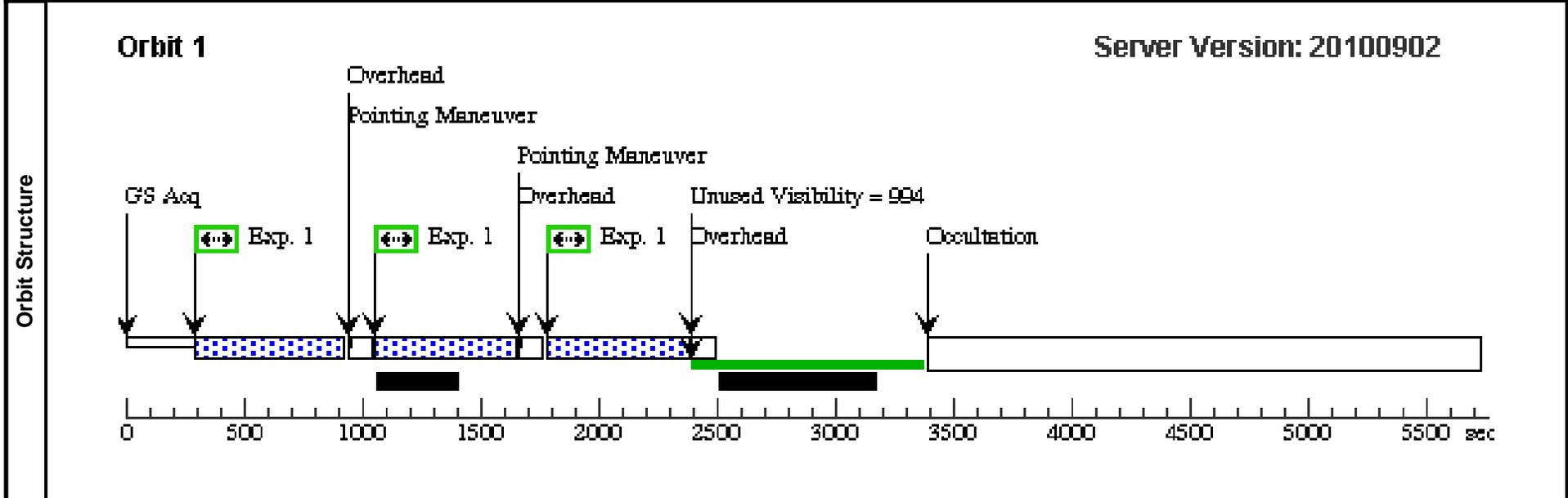
Visit	Proposal 12229, Visit 14, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)		
--------------	--	--	--

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=MOSAIC Number Of Points=3 Point Spacing=2.4 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.754 Angle Between Sides= Center Pattern=true	(1)

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(126)	NGC2427	RA: 07 36 27.9000 (114.1162500d) Dec: -47 38 4.00 (-47.63444d) Equinox: J2000		V=11.58	Reference Frame: ICRS

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(126) NGC2427	WFC3/UVIS, ACCUM, UVIS-FIX	F336W				Pattern 1, Exps 1-1 i n Visit 14 (1)	600 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]



Proposal 12229 - Visit 15 - HST U-band Survey of Star Clusters in Nearby Star-Forming Galaxies

Fri Jan 21 02:16:36 GMT 2011

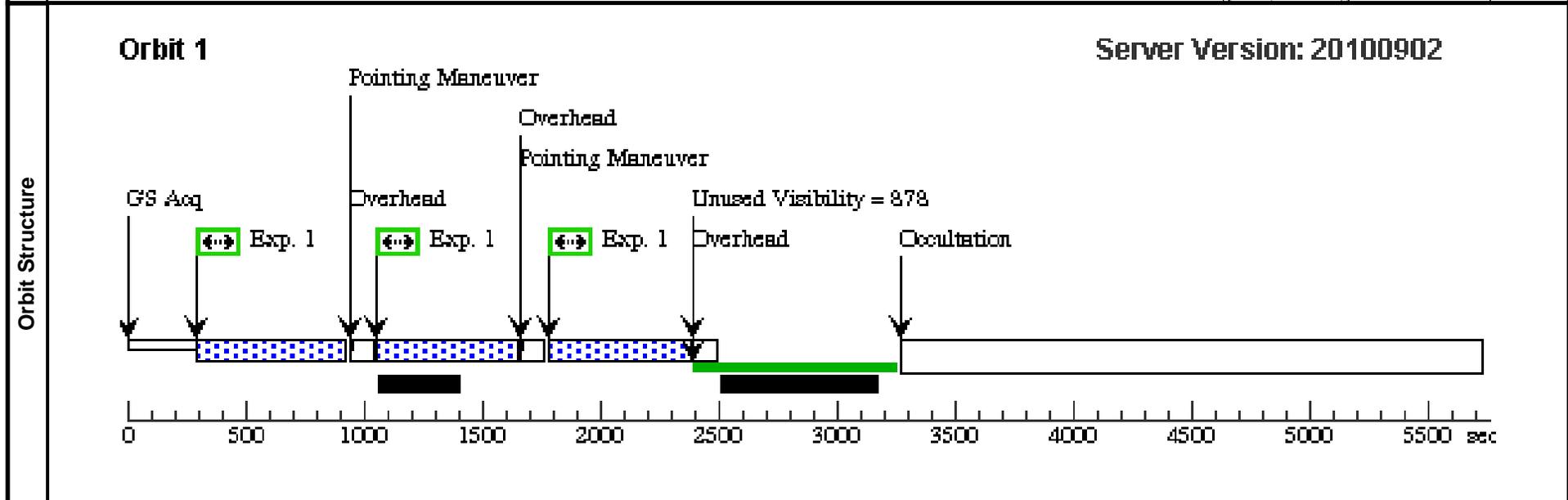
Visit	Proposal 12229, Visit 15, completed		
	Diagnostic Status: No Diagnostics		
	Scientific Instruments: WFC3/UVIS		
	Special Requirements: (none)		

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=MOSAIC Number Of Points=3 Point Spacing=2.4 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.754 Angle Between Sides= Center Pattern=true	

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(127)	NGC2997	RA: 09 45 38.7000 (146.4112500d) Dec: -31 11 25.00 (-31.19028d) Equinox: J2000			V=9.41

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(127) NGC2997	WFC3/UVIS, ACCUM, UVIS-FIX	F336W				Pattern 1, Exps 1-1 in Visit 15 (1)	600 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]



Proposal 12229 - Visit 16 - HST U-band Survey of Star Clusters in Nearby Star-Forming Galaxies

Fri Jan 21 02:16:36 GMT 2011

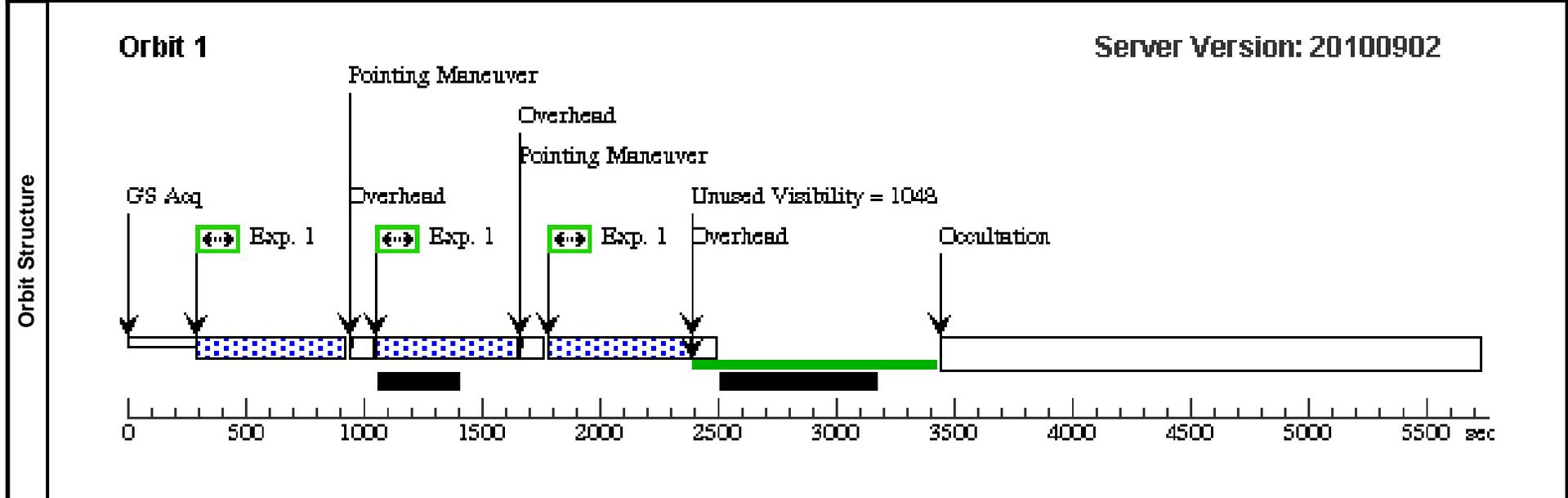
Visit	Proposal 12229, Visit 16, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)		
--------------	--	--	--

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=MOSAIC Number Of Points=3 Point Spacing=2.4 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=85.754 Angle Between Sides= Center Pattern=true		(1)

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(128)	NGC3718	RA: 11 32 34.9400 (173.1455833d) Dec: +53 04 4.20 (53.06783d) Equinox: J2000		V=11.59	Reference Frame: ICRS

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(128) NGC3718	WFC3/UVIS, ACCUM, UVIS-FIX	F336W				Pattern 1, Exps 1-1 i n Visit 16 (1)	600 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]



Proposal 12229 - Visit 17 - HST U-band Survey of Star Clusters in Nearby Star-Forming Galaxies

Fri Jan 21 02:16:36 GMT 2011

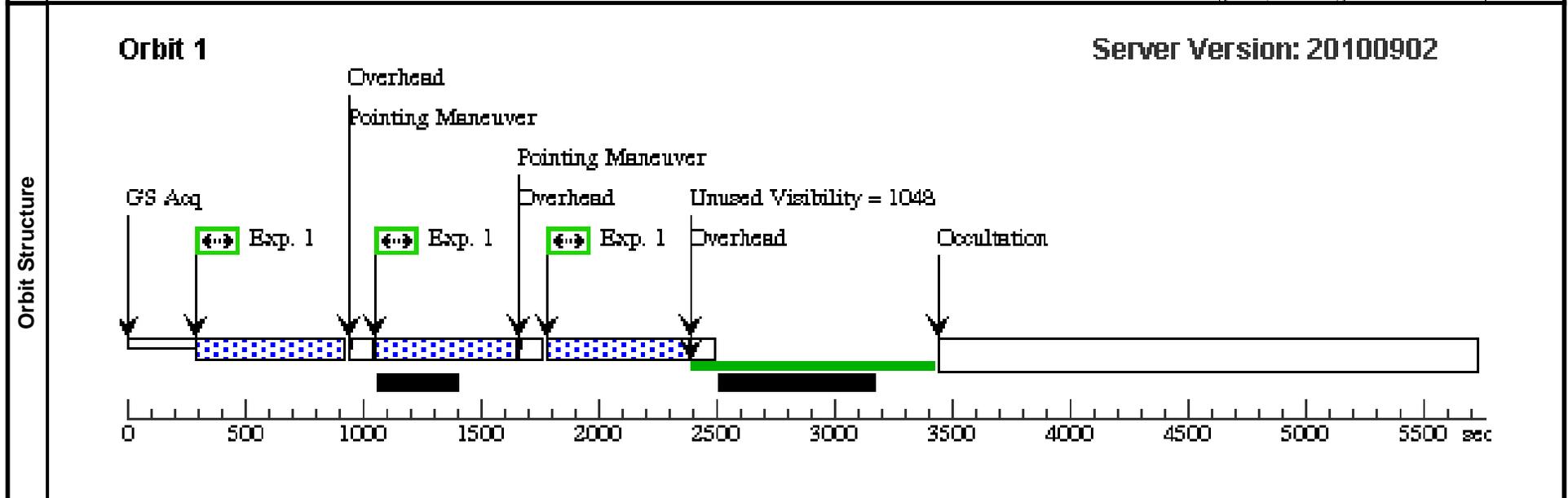
Visit	Proposal 12229, Visit 17, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)		
--------------	--	--	--

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=MOSAIC Number Of Points=3 Point Spacing=2.4 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=85.754 Angle Between Sides= Center Pattern=true		(1)

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(129)	NGC3756	RA: 11 36 47.9740 (174.1998917d) Dec: +54 17 37.25 (54.29368d) Equinox: J2000		V=12.11	Reference Frame: ICRS

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(129) NGC3756	WFC3/UVIS, ACCUM, UVIS-FIX	F336W				Pattern 1, Exps 1-1 i n Visit 17 (1)	600 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]



Proposal 12229 - Visit 18 - HST U-band Survey of Star Clusters in Nearby Star-Forming Galaxies

Fri Jan 21 02:16:36 GMT 2011

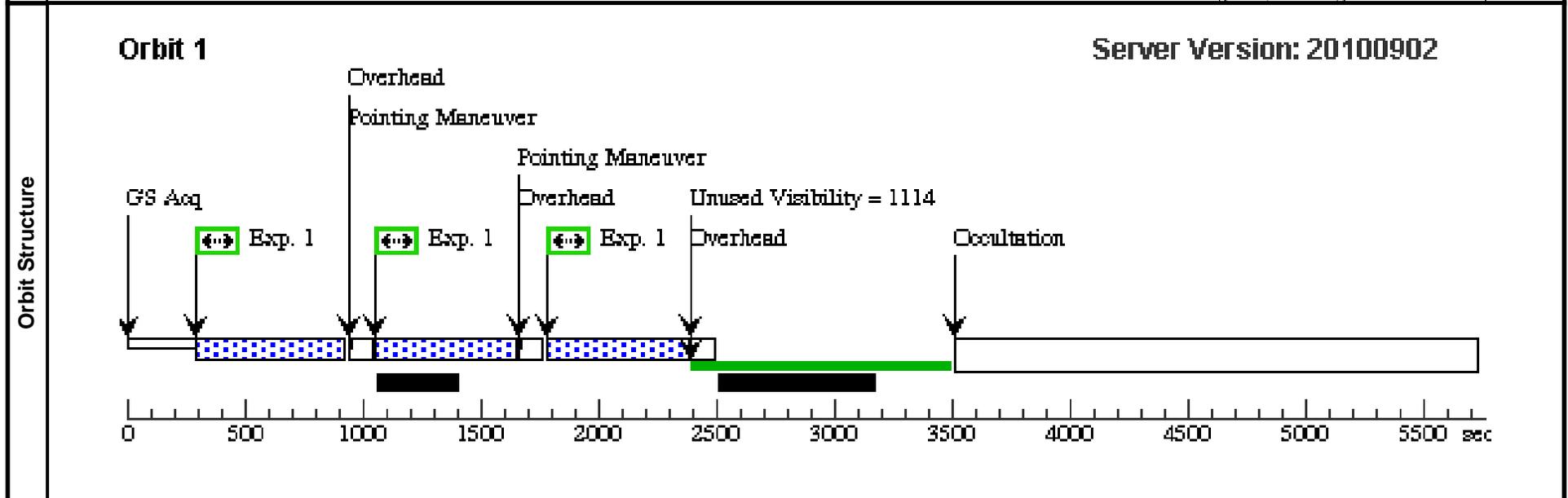
Visit	Proposal 12229, Visit 18, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)		
--------------	--	--	--

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(2)	Pattern Type=WFC3-UVIS-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1)

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(130)	NGC3982	RA: 11 56 28.3400 (179.1180833d) Dec: +55 07 29.40 (55.12483d) Equinox: J2000		V=12.0	Reference Frame: ICRS

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(130) NGC3982	WFC3/UVIS, ACCUM, UVIS2-FIX	F336W			Pattern 2, Exps 1-1 i n Visit 18 (2)	600 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]



Proposal 12229 - Visit 19 - HST U-band Survey of Star Clusters in Nearby Star-Forming Galaxies

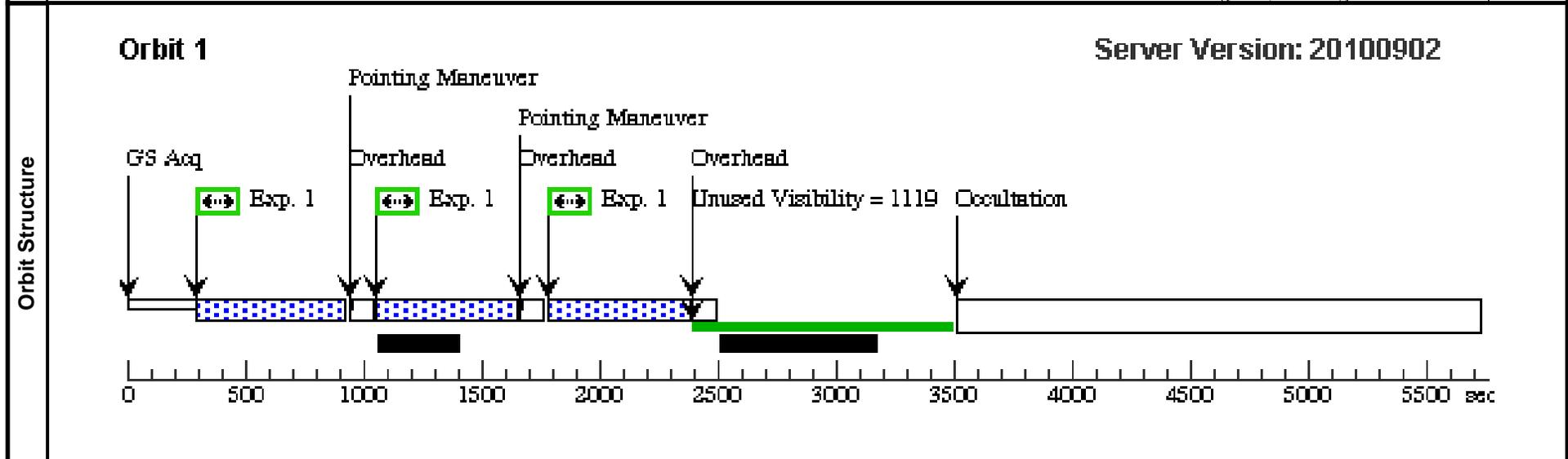
Fri Jan 21 02:16:36 GMT 2011

Visit	Proposal 12229, Visit 19, scheduling		
	Diagnostic Status: No Diagnostics		
	Scientific Instruments: WFC3/UVIS		
	Special Requirements: (none)		

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=MOSAIC Number Of Points=3 Point Spacing=2.4 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85.754 Angle Between Sides= Center Pattern=true	(1)

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(131)	NGC4041	RA: 12 02 12.1700 (180.5507083d) Dec: +62 08 14.20 (62.13728d) Equinox: J2000		V=12.1	Reference Frame: ICRS
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>						

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(131) NGC4041	WFC3/UVIS, ACCUM, UVIS-FIX	F336W			Pattern 1, Exps 1-1 in Visit 19 (1)	600 Secs	
									[=>(Pattern 1)]	
									[=>(Pattern 2)]	[1]
									[=>(Pattern 3)]	



Proposal 12229 - Visit 20 - HST U-band Survey of Star Clusters in Nearby Star-Forming Galaxies

Fri Jan 21 02:16:37 GMT 2011

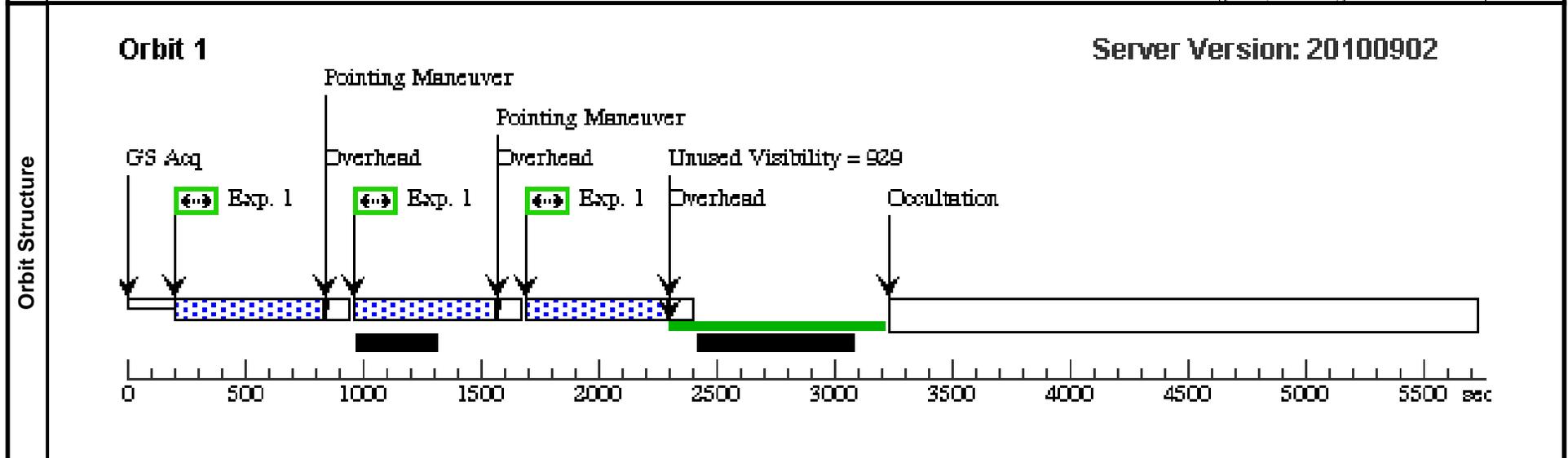
Visit	Proposal 12229, Visit 20, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)		
--------------	--	--	--

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=MOSAIC Number Of Points=3 Point Spacing=2.4 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=85.754 Angle Between Sides= Center Pattern=true		(1)

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(133)	NGC5806	RA: 15 00 0.4800 (225.0020000d) Dec: +01 53 28.80 (1.89133d) Equinox: J2000		V=11.7	Reference Frame: ICRS

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(133) NGC5806	WFC3/UVIS, ACCUM, UVIS-FIX	F336W		GS ACQ SCENARI O SINGLE	Pattern 1, Exps 1-1 i n Visit 20 (1)	600 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]



Proposal 12229 - Visit 21 - HST U-band Survey of Star Clusters in Nearby Star-Forming Galaxies

Fri Jan 21 02:16:37 GMT 2011

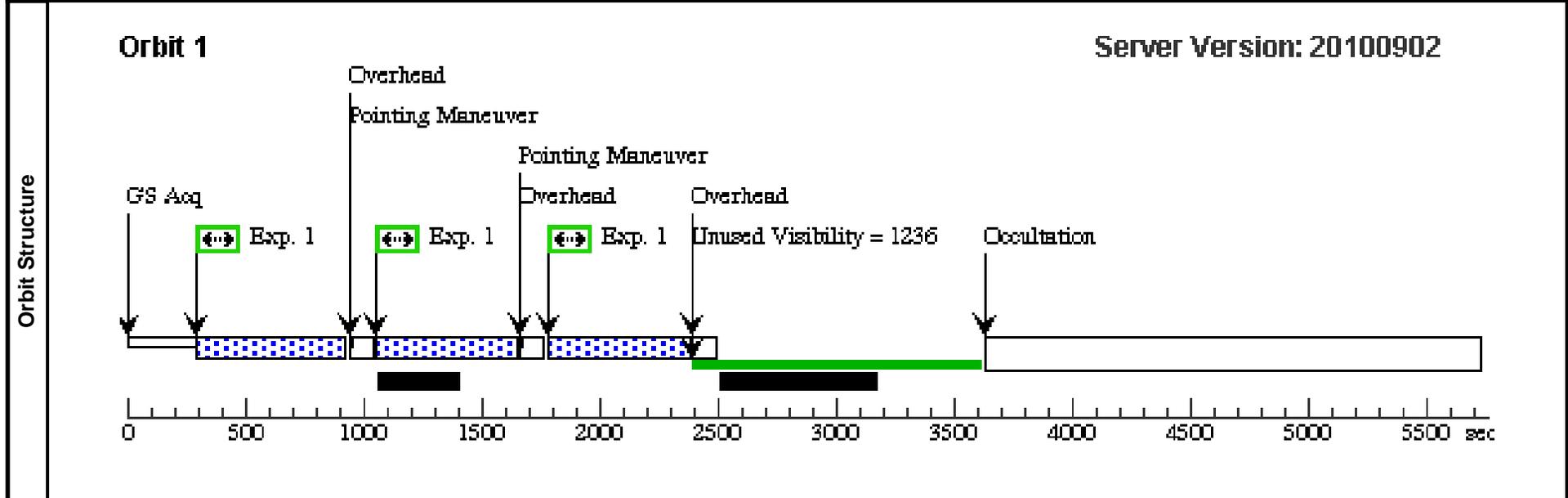
Visit	Proposal 12229, Visit 21, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)		
--------------	--	--	--

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=MOSAIC Number Of Points=3 Point Spacing=2.4 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=85.754 Angle Between Sides= Center Pattern=true		(1)

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(134)	NGC6217	RA: 16 32 39.2200 (248.1634167d) Dec: +78 11 53.60 (78.19822d) Equinox: J2000		V=11.79	Reference Frame: ICRS

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(134) NGC6217	WFC3/UVIS, ACCUM, UVIS-FIX	F336W				Pattern 1, Exps 1-1 i n Visit 21 (1)	600 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]



Proposal 12229 - Visit 22 - HST U-band Survey of Star Clusters in Nearby Star-Forming Galaxies

Fri Jan 21 02:16:37 GMT 2011

Visit	Proposal 12229, Visit 22, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none)		
--------------	--	--	--

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(1)	Pattern Type=WFC3-UVIS-MOS-DITH-LINE Purpose=MOSAIC Number Of Points=3 Point Spacing=2.4 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=85.754 Angle Between Sides= Center Pattern=true		(1)

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(135)	NGC7424	RA: 22 57 18.8000 (344.3283333d) Dec: -41 04 25.50 (-41.07375d) Equinox: J2000		V=10.38	Reference Frame: ICRS

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(135) NGC7424	WFC3/UVIS, ACCUM, UVIS-FIX	F336W				Pattern 1, Exps 1-1 i n Visit 22 (1)	600 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]

