



12471 - The Bottom of the Iceberg: Faint $z \sim 2$ Galaxies and the Enrichment of the IGM

Cycle: 19, Proposal Category: GO
(Availability Mode: SUPPORTED)

INVESTIGATORS

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Ms. Anna Williams (CoI)	University of Wisconsin - Madison	williams@astro.wisc.edu

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) Q0100+13	WFC3/IR	1	14-Nov-2012 21:01:38.0	yes
16	(1) Q0100+13	WFC3/IR	1	14-Nov-2012 21:01:45.0	yes
02	(2) HS0105+1619	WFC3/IR	1	14-Nov-2012 21:01:51.0	yes
17	(2) HS0105+1619	WFC3/IR	1	14-Nov-2012 21:01:56.0	yes
03	(3) Q0142-10	WFC3/IR	1	14-Nov-2012 21:02:01.0	yes
18	(3) Q0142-10	WFC3/IR	1	14-Nov-2012 21:02:06.0	yes

Proposal 12471 (STScI Edit Number: 3, Created: Wednesday, November 14, 2012 9:04:05 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>
04	(4) Q0207-003	WFC3/IR	1	14-Nov-2012 21:02:11.0	yes
19	(4) Q0207-003	WFC3/IR	1	14-Nov-2012 21:02:16.0	yes
05	(5) Q0449-1645	WFC3/IR	1	14-Nov-2012 21:02:21.0	yes
20	(5) Q0449-1645	WFC3/IR	1	14-Nov-2012 21:02:26.0	yes
06	(6) Q0821+3107	WFC3/IR	1	14-Nov-2012 21:02:30.0	yes
21	(6) Q0821+3107	WFC3/IR	1	14-Nov-2012 21:02:35.0	yes
07	(7) Q1009+29	WFC3/IR	1	14-Nov-2012 21:02:39.0	yes
22	(7) Q1009+29	WFC3/IR	1	14-Nov-2012 21:02:44.0	yes
08	(8) Q1217+490	WFC3/IR	1	14-Nov-2012 21:02:49.0	yes
23	(8) Q1217+490	WFC3/IR	1	14-Nov-2012 21:02:53.0	yes
09	(9) Q1442+2931	WFC3/IR	1	14-Nov-2012 21:02:58.0	yes
24	(9) Q1442+2931	WFC3/IR	1	14-Nov-2012 21:03:02.0	yes
10	(10) Q1549+1919	WFC3/IR	1	14-Nov-2012 21:03:07.0	yes
25	(10) Q1549+1919	WFC3/IR	1	14-Nov-2012 21:03:12.0	yes
11	(11) HS1603+3820	WFC3/IR	1	14-Nov-2012 21:03:16.0	yes
26	(11) HS1603+3820	WFC3/IR	1	14-Nov-2012 21:03:21.0	yes
12	(12) Q1623-KP77	WFC3/IR	1	14-Nov-2012 21:03:25.0	yes
27	(12) Q1623-KP77	WFC3/IR	1	14-Nov-2012 21:03:30.0	yes
13	(13) Q1700+64	WFC3/IR	1	14-Nov-2012 21:03:35.0	yes
28	(13) Q1700+64	WFC3/IR	1	14-Nov-2012 21:03:39.0	yes
14	(14) Q2206-199	WFC3/IR	1	14-Nov-2012 21:03:44.0	yes
29	(14) Q2206-199	WFC3/IR	1	14-Nov-2012 21:03:48.0	yes
15	(15) Q2343+12	WFC3/IR	1	14-Nov-2012 21:03:52.0	yes
30	(15) Q2343+12	WFC3/IR	1	14-Nov-2012 21:03:57.0	yes

30 Total Orbits Used

ABSTRACT

Galaxies at $z \sim 2-3$ formed stars rapidly and expelled large quantities of gas to great distances via powerful galactic outflows. Much has been learned about interactions between star-forming galaxies and the IGM from our joint galaxy/QSO survey in which high quality spectra of bright QSOs are used to sample the gas around foreground galaxies. With this proposal we extend that survey to large numbers of significantly fainter galaxies, via a spectroscopic WFC3/IR grism survey of 15 QSO fields and their surrounding foreground galaxies. This survey takes advantage of the grism's optimal sensitivity to high equivalent width emission lines from compact sources. It will encompass ~ 1500 galaxies at $1.5 < z < 2.3$, 1000 of which are fainter than the current survey limit and $2/3$ of which do not appear in our photometric catalogs because of incompleteness. In only 30 orbits (and in a single step, rather than through the construction of an HST-based photometric catalog followed by spectroscopy) this sample will increase the number of spectroscopically confirmed galaxies near QSO sightlines by up to a factor of ~ 6 , and will allow a study of the impact of these numerous faint galaxies on the IGM. The grism data will also provide spatially resolved measurements of the sizes of the line emitting regions, for studies of the relationship between the star formation rate density and the strength of galactic outflows, for the first time at $z \sim 2$. Thus the survey will address two outstanding problems in the study of galactic outflows at high redshift: the lack of dynamic range in mass, luminosity and metallicity in the sample, and the lack of spatially resolved measurements of line emission.

OBSERVING DESCRIPTION

This program provides grism spectra of galaxies in the foregrounds of 15 well-known QSOs. Each pointing is centered on the QSO, with two visits per QSO field. Each visit consists of one orbit. In this orbit we obtain 2 dithered exposures with WFC3/G141 along with short direct images in F140W taken at the same position, which are necessary for wavelength calibration. We schedule the two orbits on each target as two different visits, with the roll angle of the second visit set to differ from that of the first visit by at least 20 degrees. We set ORIENT 20 TO 160 from the previous visit to the target, but ORIENT -20 TO -160 is also acceptable. The purpose of using different roll angles for the two orbits is to improve our ability to account for contamination by overlapping spectra; our primary purpose is to detect large numbers of faint objects, and having two sets of data with different contamination properties will make the overall contamination easier to determine.

There are no special requirements regarding scheduling, and we place no orientation requirements on the first visit to each field.

Each visit follows the pattern

direct, grism, offset, direct, grism

We use POS-TARG offsets to enable rejection of hot/bad pixels and to improve sampling of the PSF. The pattern is:

POS-TARG: (0,0) (1.355,0.424)

pixels: (0,0) (10.0,3.5)

This is a larger version of the first half of the standard WFC3-IR-DITHER-BOX-MIN pattern, which has only 1-2 pixel offsets between pointings. As some bad pixels come in clumps we prefer a slightly larger pattern. No attempt is made to dither over the "dead spot", as large dithers introduce large differential distortion. We use the same dither pattern for both visits to each field, since the differing orientations will ensure that spectra of the same objects fall on different pixels.

Proposal 12471 - Visit 01 - The Bottom of the Iceberg: Faint z~2 Galaxies and the Enrichment of the IGM

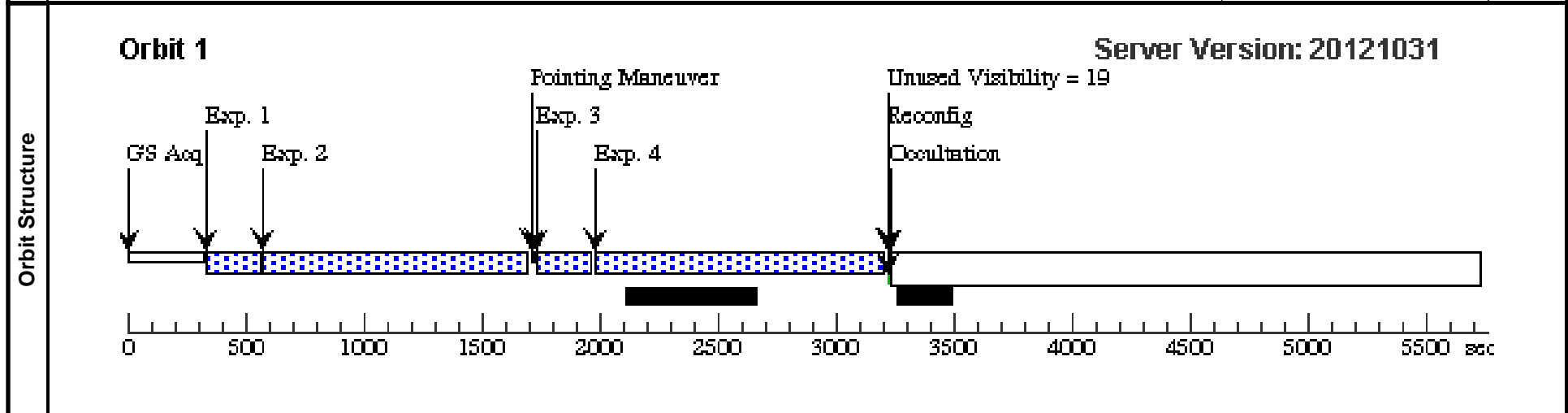
Thu Nov 15 02:04:06 GMT 2012

Visit	Proposal 12471, Visit 01, completed Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: (none)
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Diagnostics	(Visit 01) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE (Visit 01) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE
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Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(1)</td> <td>Q0100+13</td> <td>RA: 01 03 11.2700 (15.7969583d) Dec: +13 16 18.20 (13.27172d) Equinox: J2000</td> <td></td> <td>V=25.0+/-1</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(1)	Q0100+13	RA: 01 03 11.2700 (15.7969583d) Dec: +13 16 18.20 (13.27172d) Equinox: J2000		V=25.0+/-1	Reference Frame: ICRS
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous								
(1)	Q0100+13	RA: 01 03 11.2700 (15.7969583d) Dec: +13 16 18.20 (13.27172d) Equinox: J2000		V=25.0+/-1	Reference Frame: ICRS								

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(1) Q0100+13	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 0.0,null		[==>]	[1]
	2		(1) Q0100+13	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S100	SAME POS AS 1		[==>]	[1]
	3		(1) Q0100+13	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 1.355,0. 424		[==>]	[1]
	4		(1) Q0100+13	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=13; SAMP-SEQ=SPAR S100	SAME POS AS 3		[==>]	[1]



Proposal 12471 - Visit 16 - The Bottom of the Iceberg: Faint z~2 Galaxies and the Enrichment of the IGM

Thu Nov 15 02:04:08 GMT 2012

Visit
Proposal 12471, Visit 16, completed
Diagnostic Status: Warning
 Scientific Instruments: WFC3/IR
 Special Requirements: ORIENT 20D TO 160D FROM 01
Comments: We specify Orient from Visit 1 by 20D to 160D. Orient from Visit 1 by -20D to -160D is also acceptable.

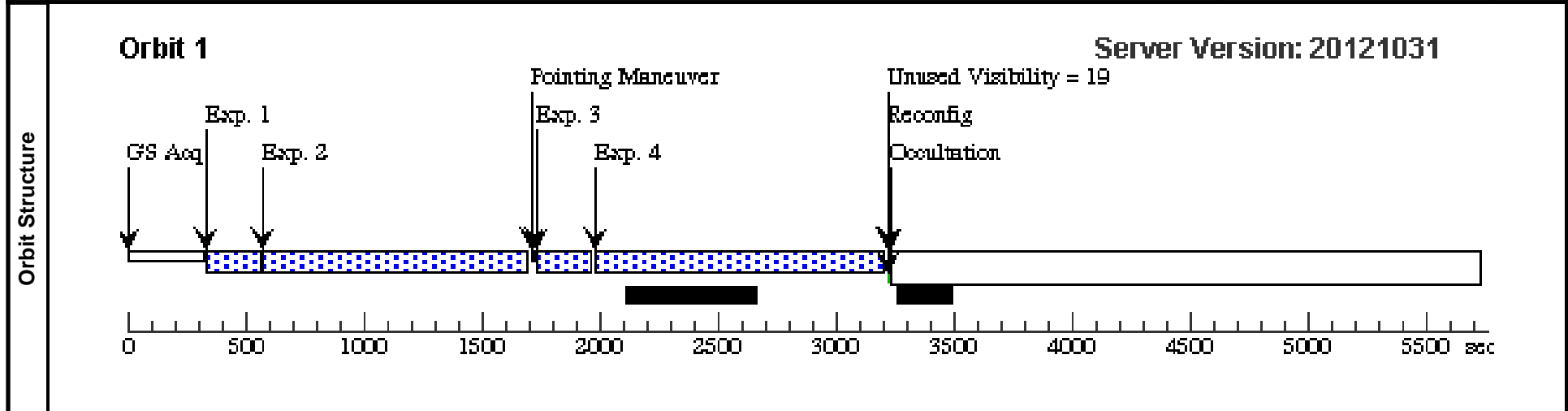
Diagnostics
 (Visit 16) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE
 (Visit 16) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	Q0100+13	RA: 01 03 11.2700 (15.7969583d) Dec: +13 16 18.20 (13.27172d) Equinox: J2000		V=25.0+/-1	Reference Frame: ICRS

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	(1) Q0100+13	(1) Q0100+13	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 0.0,null		[==>]	[1]
2	(1) Q0100+13	(1) Q0100+13	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S100	SAME POS AS 1		[==>]	[1]
3	(1) Q0100+13	(1) Q0100+13	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 1.355,0. 424		[==>]	[1]
4	(1) Q0100+13	(1) Q0100+13	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=13; SAMP-SEQ=SPAR S100	SAME POS AS 3		[==>]	[1]



Proposal 12471 - Visit 02 - The Bottom of the Iceberg: Faint z~2 Galaxies and the Enrichment of the IGM

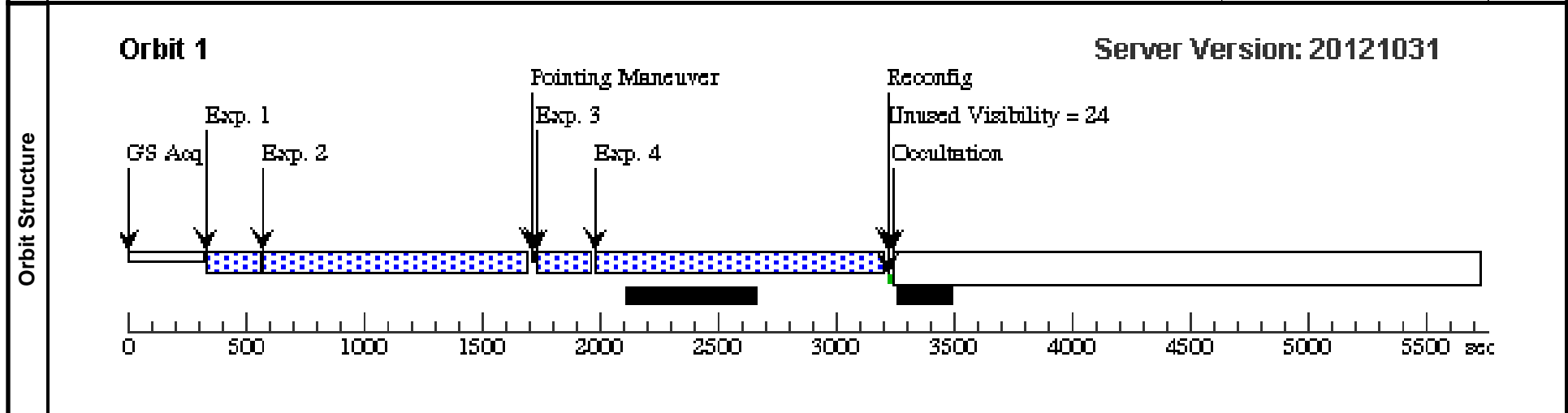
Thu Nov 15 02:04:09 GMT 2012

Visit	Proposal 12471, Visit 02, completed Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: (none)
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Diagnostics	(Visit 02) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE (Visit 02) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE
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Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(2)</td> <td>HS0105+1619</td> <td>RA: 01 08 6.4000 (17.0266667d) Dec: +16 35 50.00 (16.59722d) Equinox: J2000</td> <td></td> <td>V=25.0+/-1</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(2)	HS0105+1619	RA: 01 08 6.4000 (17.0266667d) Dec: +16 35 50.00 (16.59722d) Equinox: J2000		V=25.0+/-1	Reference Frame: ICRS
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous								
(2)	HS0105+1619	RA: 01 08 6.4000 (17.0266667d) Dec: +16 35 50.00 (16.59722d) Equinox: J2000		V=25.0+/-1	Reference Frame: ICRS								

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(2) HS0105+1619	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 0.0,null		[==>]	[1]
	2		(2) HS0105+1619	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S100	SAME POS AS 1		[==>]	[1]
	3		(2) HS0105+1619	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 1.355,0. 424		[==>]	[1]
	4		(2) HS0105+1619	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=13; SAMP-SEQ=SPAR S100	SAME POS AS 3		[==>]	[1]



Proposal 12471 - Visit 17 - The Bottom of the Iceberg: Faint z~2 Galaxies and the Enrichment of the IGM

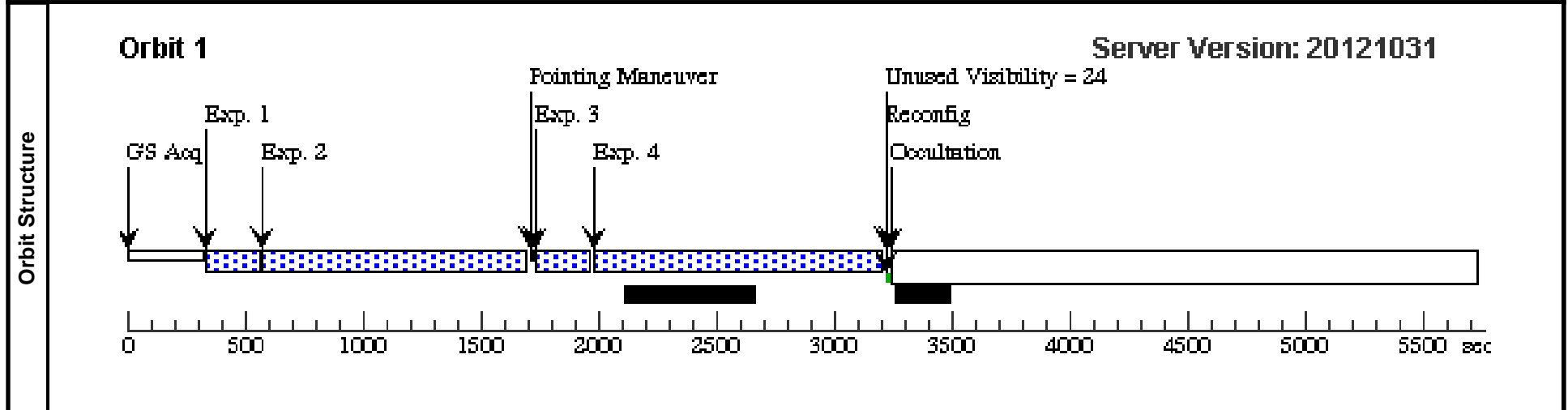
Thu Nov 15 02:04:10 GMT 2012

Visit	<p>Proposal 12471, Visit 17, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/IR</p> <p>Special Requirements: ORIENT 20D TO 160D FROM 02</p> <p><i>Comments: We specify Orient from Visit 2 by 20D to 160D. Orient from Visit 2 by -20D to -160D is also acceptable.</i></p>
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Diagnostics	<p>(Visit 17) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE</p> <p>(Visit 17) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE</p>
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Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(2)</td> <td>HS0105+1619</td> <td>RA: 01 08 6.4000 (17.0266667d) Dec: +16 35 50.00 (16.59722d) Equinox: J2000</td> <td></td> <td>V=25.0+/-1</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(2)	HS0105+1619	RA: 01 08 6.4000 (17.0266667d) Dec: +16 35 50.00 (16.59722d) Equinox: J2000		V=25.0+/-1	Reference Frame: ICRS
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous								
(2)	HS0105+1619	RA: 01 08 6.4000 (17.0266667d) Dec: +16 35 50.00 (16.59722d) Equinox: J2000		V=25.0+/-1	Reference Frame: ICRS								

Exposures	<table border="1"> <thead> <tr> <th>#</th> <th>Label</th> <th>Target</th> <th>Config,Mode,Aperture</th> <th>Spectral Els.</th> <th>Opt. Params.</th> <th>Special Reqs.</th> <th>Groups</th> <th>Exp. Time/[Actual Dur.]</th> <th>Orbit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>(2)</td> <td>HS0105+1619</td> <td>WFC3/IR, MULTIACCUM, IR</td> <td>F140W</td> <td>NSAMP=5; SAMP-SEQ=SPAR S50</td> <td>POS TARG 0.0,null</td> <td></td> <td>[==>]</td> <td>[1]</td> </tr> <tr> <td>2</td> <td>(2)</td> <td>HS0105+1619</td> <td>WFC3/IR, MULTIACCUM, GRISM1024</td> <td>G141</td> <td>NSAMP=12; SAMP-SEQ=SPAR S100</td> <td>SAME POS AS 1</td> <td></td> <td>[==>]</td> <td>[1]</td> </tr> <tr> <td>3</td> <td>(2)</td> <td>HS0105+1619</td> <td>WFC3/IR, MULTIACCUM, IR</td> <td>F140W</td> <td>NSAMP=5; SAMP-SEQ=SPAR S50</td> <td>POS TARG 1.355,0. 424</td> <td></td> <td>[==>]</td> <td>[1]</td> </tr> <tr> <td>4</td> <td>(2)</td> <td>HS0105+1619</td> <td>WFC3/IR, MULTIACCUM, GRISM1024</td> <td>G141</td> <td>NSAMP=13; SAMP-SEQ=SPAR S100</td> <td>SAME POS AS 3</td> <td></td> <td>[==>]</td> <td>[1]</td> </tr> </tbody> </table>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	1	(2)	HS0105+1619	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 0.0,null		[==>]	[1]	2	(2)	HS0105+1619	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S100	SAME POS AS 1		[==>]	[1]	3	(2)	HS0105+1619	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 1.355,0. 424		[==>]	[1]	4	(2)	HS0105+1619	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=13; SAMP-SEQ=SPAR S100	SAME POS AS 3		[==>]	[1]
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit																																										
1	(2)	HS0105+1619	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 0.0,null		[==>]	[1]																																										
2	(2)	HS0105+1619	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S100	SAME POS AS 1		[==>]	[1]																																										
3	(2)	HS0105+1619	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 1.355,0. 424		[==>]	[1]																																										
4	(2)	HS0105+1619	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=13; SAMP-SEQ=SPAR S100	SAME POS AS 3		[==>]	[1]																																										



Proposal 12471 - Visit 03 - The Bottom of the Iceberg: Faint z~2 Galaxies and the Enrichment of the IGM

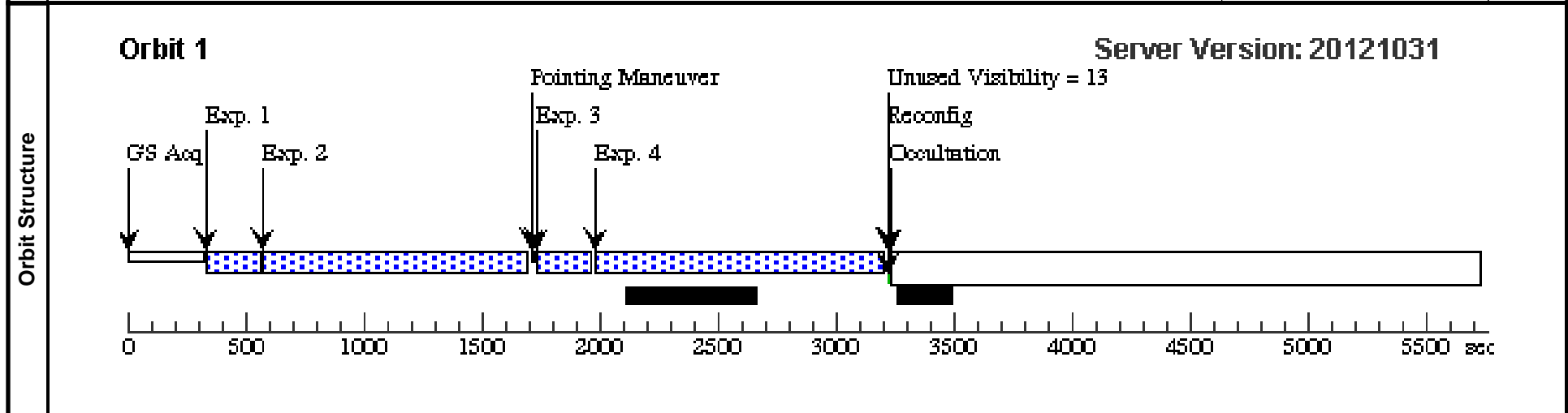
Thu Nov 15 02:04:11 GMT 2012

Visit	Proposal 12471, Visit 03, completed Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: (none)
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Diagnostics	(Visit 03) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE (Visit 03) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE
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Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(3)</td> <td>Q0142-10</td> <td>RA: 01 45 16.6000 (26.3191667d) Dec: -09 45 17.00 (-9.75472d) Equinox: J2000</td> <td></td> <td>V=25.0+/-1</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(3)	Q0142-10	RA: 01 45 16.6000 (26.3191667d) Dec: -09 45 17.00 (-9.75472d) Equinox: J2000		V=25.0+/-1	Reference Frame: ICRS
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous								
(3)	Q0142-10	RA: 01 45 16.6000 (26.3191667d) Dec: -09 45 17.00 (-9.75472d) Equinox: J2000		V=25.0+/-1	Reference Frame: ICRS								

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(3) Q0142-10	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 0.0,null		[==>]	[1]
	2		(3) Q0142-10	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S100	SAME POS AS 1		[==>]	[1]
	3		(3) Q0142-10	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 1.355,0. 424		[==>]	[1]
	4		(3) Q0142-10	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=13; SAMP-SEQ=SPAR S100	SAME POS AS 3		[==>]	[1]



Proposal 12471 - Visit 18 - The Bottom of the Iceberg: Faint z~2 Galaxies and the Enrichment of the IGM

Thu Nov 15 02:04:12 GMT 2012

Visit	Proposal 12471, Visit 18, completed Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: ORIENT 20D TO 160D FROM 03 Comments: We specify Orient from Visit 3 by 20D to 160D. Orient from Visit 3 by -20D to -160D is also acceptable.									
	(Visit 18) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE (Visit 18) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	Q0142-10	RA: 01 45 16.6000 (26.3191667d) Dec: -09 45 17.00 (-9.75472d) Equinox: J2000		V=25.0+/-1	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(3) Q0142-10	(3) Q0142-10	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 0.0,null		[==>]	[1]
	2	(3) Q0142-10	(3) Q0142-10	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S100	SAME POS AS 1		[==>]	[1]
	3	(3) Q0142-10	(3) Q0142-10	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 1.355,0. 424		[==>]	[1]
	4	(3) Q0142-10	(3) Q0142-10	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=13; SAMP-SEQ=SPAR S100	SAME POS AS 3		[==>]	[1]
Orbit Structure	<p>Orbit 1 Server Version: 20121031</p> <p>Timeline labels: GS Acq, Exp. 1, Exp. 2, Pointing Maneuver, Exp. 3, Exp. 4, Reconfig, Unused Visibility = 13, Occultation.</p> <p>X-axis: 0, 500, 1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000, 5500 sec</p>									
	<p>Unused Visibility = 13</p> <p>Occultation</p>									

Proposal 12471 - Visit 04 - The Bottom of the Iceberg: Faint z~2 Galaxies and the Enrichment of the IGM

Thu Nov 15 02:04:12 GMT 2012

Visit	Proposal 12471, Visit 04, scheduling Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: (none)									
	(Visit 04) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE (Visit 04) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(4)	Q0207-003	RA: 02 09 50.7100 (32.4612917d) Dec: -00 05 6.50 (-.08514d) Equinox: J2000		V=25.0+/-1	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(4) Q0207-003	(4) Q0207-003	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 0.0,null; GS ACQ SCENARI O BASE1B3		[==>]	[1]
	2	(4) Q0207-003	(4) Q0207-003	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S100	SAME POS AS 1		[==>]	[1]
	3	(4) Q0207-003	(4) Q0207-003	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 1.355,0. 424		[==>]	[1]
	4	(4) Q0207-003	(4) Q0207-003	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=13; SAMP-SEQ=SPAR S100	SAME POS AS 3		[==>]	[1]
Orbit Structure	<p>Orbit 1 Server Version: 20121031</p> <p>The diagram illustrates the orbit structure over a 5500-second period. It shows the timing of various activities: GS Acq (0s), four exposures (Exp. 1-4) at approximately 300s, 500s, 1800s, and 2000s, a pointing maneuver at 1700s, a reconfiguration at 3200s, and an occultation at 3300s. A shaded area between 300s and 3200s is labeled 'Unused Visibility = 9'. The x-axis is marked in 500-second increments.</p>									
	<p>Unused Visibility = 9</p>									

Proposal 12471 - Visit 19 - The Bottom of the Iceberg: Faint z~2 Galaxies and the Enrichment of the IGM

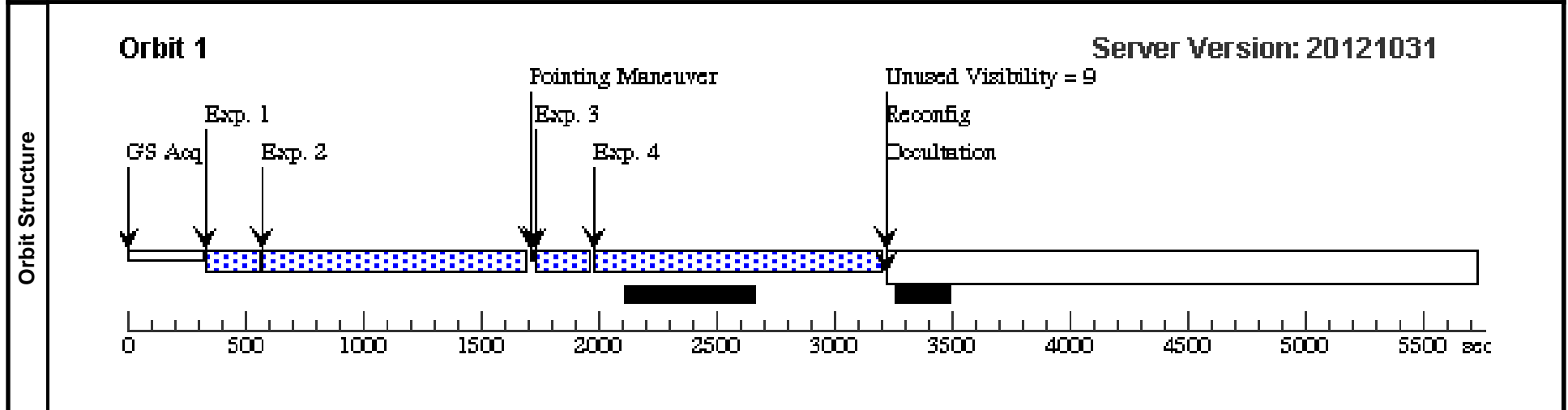
Thu Nov 15 02:04:13 GMT 2012

Visit	<p>Proposal 12471, Visit 19, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/IR</p> <p>Special Requirements: ORIENT 20D TO 160D FROM 04</p> <p><i>Comments: We specify Orient from Visit 4 by 20D to 160D. Orient from Visit 4 by -20D to -160D is also acceptable.</i></p>
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Diagnostics	<p>(Visit 19) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE</p> <p>(Visit 19) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE</p>
--------------------	---

Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(4)</td> <td>Q0207-003</td> <td>RA: 02 09 50.7100 (32.4612917d) Dec: -00 05 6.50 (-.08514d) Equinox: J2000</td> <td></td> <td>V=25.0+/-1</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(4)	Q0207-003	RA: 02 09 50.7100 (32.4612917d) Dec: -00 05 6.50 (-.08514d) Equinox: J2000		V=25.0+/-1	Reference Frame: ICRS
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous								
(4)	Q0207-003	RA: 02 09 50.7100 (32.4612917d) Dec: -00 05 6.50 (-.08514d) Equinox: J2000		V=25.0+/-1	Reference Frame: ICRS								

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(4) Q0207-003	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 0.0,null		[==>]	[1]
	2		(4) Q0207-003	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S100	SAME POS AS 1		[==>]	[1]
	3		(4) Q0207-003	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 1.355,0. 424		[==>]	[1]
	4		(4) Q0207-003	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=13; SAMP-SEQ=SPAR S100	SAME POS AS 3		[==>]	[1]



Proposal 12471 - Visit 05 - The Bottom of the Iceberg: Faint z~2 Galaxies and the Enrichment of the IGM

Thu Nov 15 02:04:14 GMT 2012

Visit	Proposal 12471, Visit 05, completed Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: (none)									
	(Visit 05) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE (Visit 05) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(5)	Q0449-1645	RA: 04 52 14.3000 (73.0595833d) Dec: -16 40 16.20 (-16.67117d) Equinox: J2000		V=25.0+/-1	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(5) Q0449-1645	(5) Q0449-1645	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 0.0,null		[==>]	[1]
	2	(5) Q0449-1645	(5) Q0449-1645	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S100	SAME POS AS 1		[==>]	[1]
	3	(5) Q0449-1645	(5) Q0449-1645	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 1.355,0.424		[==>]	[1]
	4	(5) Q0449-1645	(5) Q0449-1645	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=13; SAMP-SEQ=SPAR S100	SAME POS AS 3		[==>]	[1]
Orbit Structure	<p>Orbit 1 Server Version: 20121031</p> <p>The diagram illustrates the orbit structure over a 5500-second period. It shows the sequence of exposures (Exp. 1, 2, 3, 4) and other events like GS Acq, Pointing Maneuver, Reconfig, and Occultation. A shaded area between 300s and 3200s indicates a period of 'Unused Visibility = 24'.</p>									
	<p>Timeline labels: GS Acq, Exp. 1, Exp. 2, Pointing Maneuver, Exp. 3, Exp. 4, Reconfig, Occultation, Unused Visibility = 24.</p> <p>X-axis: 0, 500, 1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000, 5500 sec</p>									

Proposal 12471 - Visit 20 - The Bottom of the Iceberg: Faint z~2 Galaxies and the Enrichment of the IGM

Thu Nov 15 02:04:15 GMT 2012

Visit	Proposal 12471, Visit 20, completed Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: ORIENT 20D TO 160D FROM 05 Comments: We specify Orient from Visit 5 by 20D to 160D. Orient from Visit 5 by -20D to -160D is also acceptable.									
	(Visit 20) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE (Visit 20) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(5)	Q0449-1645	RA: 04 52 14.3000 (73.0595833d) Dec: -16 40 16.20 (-16.67117d) Equinox: J2000		V=25.0+/-1	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(5) Q0449-1645	(5) Q0449-1645	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 0.0,null		[==>]	[1]
	2	(5) Q0449-1645	(5) Q0449-1645	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S100	SAME POS AS 1		[==>]	[1]
	3	(5) Q0449-1645	(5) Q0449-1645	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 1.355,0.424		[==>]	[1]
	4	(5) Q0449-1645	(5) Q0449-1645	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=13; SAMP-SEQ=SPAR S100	SAME POS AS 3		[==>]	[1]
Orbit Structure	<p>Orbit 1 Server Version: 20121031</p> <p>Timeline labels: GS Acq, Exp. 1, Exp. 2, Pointing Maneuver, Exp. 3, Exp. 4, Reconfig, Unused Visibility = 24, Occultation.</p> <p>X-axis: 0, 500, 1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000, 5500 sec</p>									

Proposal 12471 - Visit 06 - The Bottom of the Iceberg: Faint z~2 Galaxies and the Enrichment of the IGM

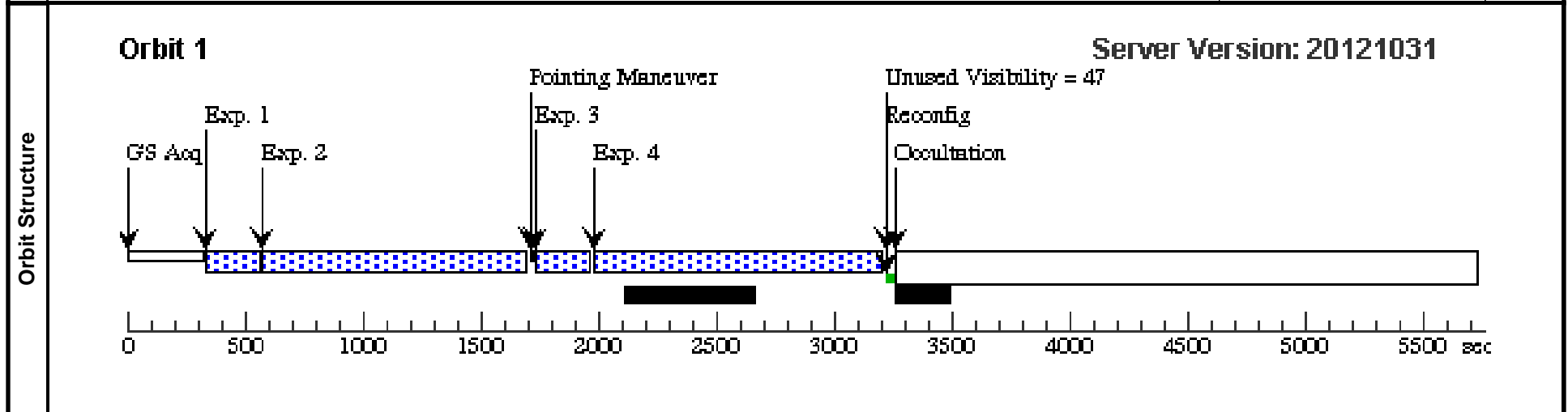
Thu Nov 15 02:04:16 GMT 2012

Visit	Proposal 12471, Visit 06, completed Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: (none)
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Diagnostics	(Visit 06) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE (Visit 06) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE
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Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(6)</td> <td>Q0821+3107</td> <td>RA: 08 21 7.6200 (125.2817500d) Dec: +31 07 51.17 (31.13088d) Equinox: J2000</td> <td></td> <td>V=25.0+/-1</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(6)	Q0821+3107	RA: 08 21 7.6200 (125.2817500d) Dec: +31 07 51.17 (31.13088d) Equinox: J2000		V=25.0+/-1	Reference Frame: ICRS
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous								
(6)	Q0821+3107	RA: 08 21 7.6200 (125.2817500d) Dec: +31 07 51.17 (31.13088d) Equinox: J2000		V=25.0+/-1	Reference Frame: ICRS								

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(6) Q0821+3107	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 0.0,null		[==>]	[1]
	2		(6) Q0821+3107	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S100	SAME POS AS 1		[==>]	[1]
	3		(6) Q0821+3107	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 1.355,0. 424		[==>]	[1]
	4		(6) Q0821+3107	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=13; SAMP-SEQ=SPAR S100	SAME POS AS 3		[==>]	[1]



Proposal 12471 - Visit 21 - The Bottom of the Iceberg: Faint z~2 Galaxies and the Enrichment of the IGM

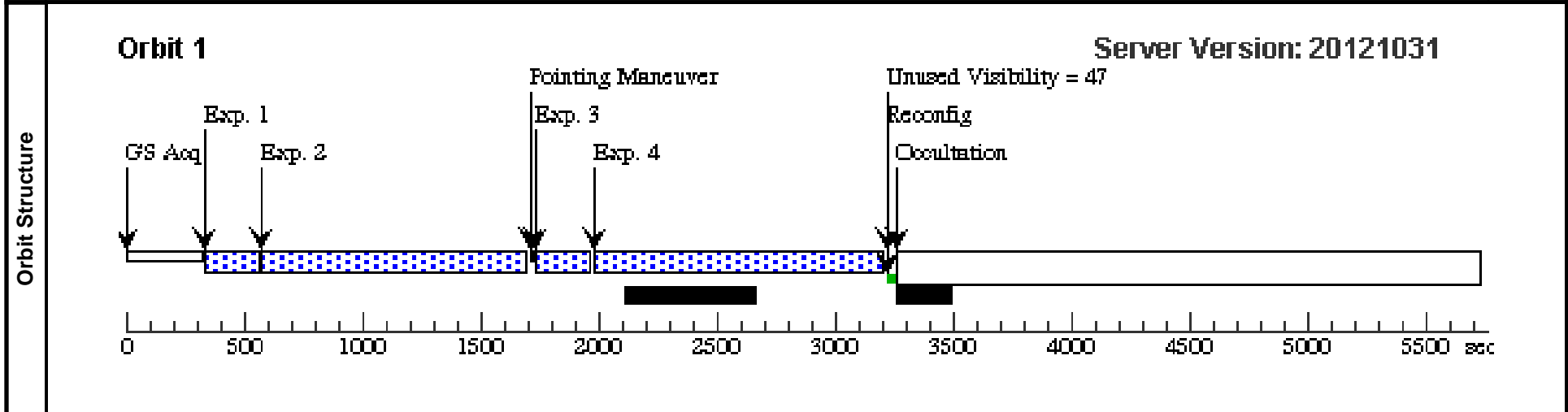
Thu Nov 15 02:04:17 GMT 2012

Visit	<p>Proposal 12471, Visit 21, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/IR</p> <p>Special Requirements: ORIENT 20D TO 160D FROM 06</p> <p><i>Comments: We specify Orient from Visit 6 by 20D to 160D. Orient from Visit 6 by -20D to -160D is also acceptable.</i></p>
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Diagnostics	<p>(Visit 21) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE</p> <p>(Visit 21) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE</p>
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Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(6)</td> <td>Q0821+3107</td> <td>RA: 08 21 7.6200 (125.2817500d) Dec: +31 07 51.17 (31.13088d) Equinox: J2000</td> <td></td> <td>V=25.0+/-1</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(6)	Q0821+3107	RA: 08 21 7.6200 (125.2817500d) Dec: +31 07 51.17 (31.13088d) Equinox: J2000		V=25.0+/-1	Reference Frame: ICRS
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous								
(6)	Q0821+3107	RA: 08 21 7.6200 (125.2817500d) Dec: +31 07 51.17 (31.13088d) Equinox: J2000		V=25.0+/-1	Reference Frame: ICRS								

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(6) Q0821+3107	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 0.0,null		[==>]	[1]
	2		(6) Q0821+3107	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S100	SAME POS AS 1		[==>]	[1]
	3		(6) Q0821+3107	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 1.355,0. 424		[==>]	[1]
	4		(6) Q0821+3107	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=13; SAMP-SEQ=SPAR S100	SAME POS AS 3		[==>]	[1]



Proposal 12471 - Visit 07 - The Bottom of the Iceberg: Faint z~2 Galaxies and the Enrichment of the IGM

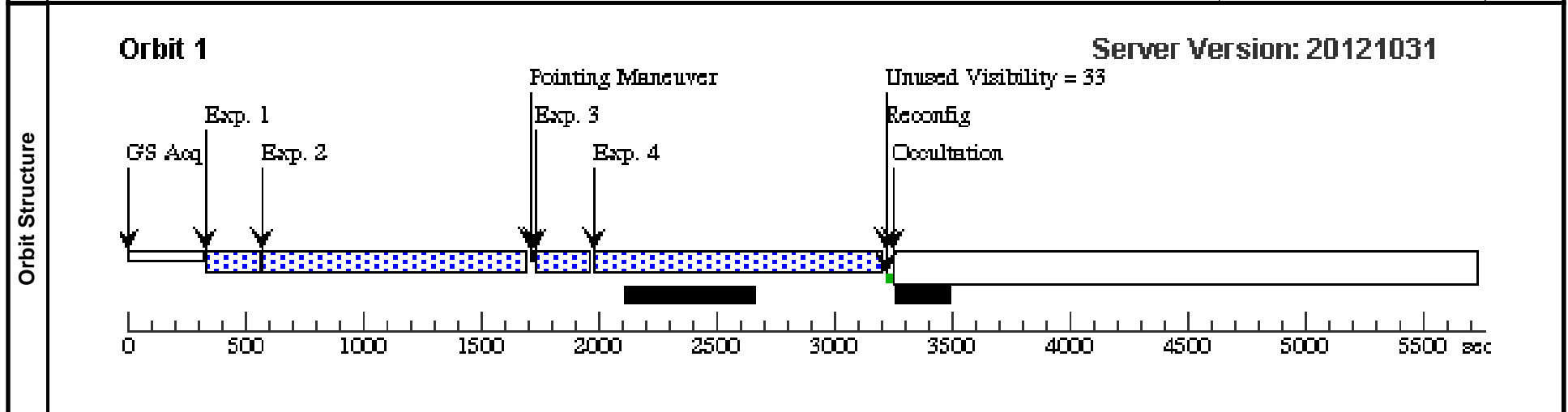
Thu Nov 15 02:04:18 GMT 2012

Visit	Proposal 12471, Visit 07, scheduled Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: (none)
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Diagnostics	(Visit 07) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE (Visit 07) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE
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Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(7)</td> <td>Q1009+29</td> <td>RA: 10 11 55.6000 (152.9816667d) Dec: +29 41 41.70 (29.69492d) Equinox: J2000</td> <td></td> <td>V=25.0+/-1</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(7)	Q1009+29	RA: 10 11 55.6000 (152.9816667d) Dec: +29 41 41.70 (29.69492d) Equinox: J2000		V=25.0+/-1	Reference Frame: ICRS
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous								
(7)	Q1009+29	RA: 10 11 55.6000 (152.9816667d) Dec: +29 41 41.70 (29.69492d) Equinox: J2000		V=25.0+/-1	Reference Frame: ICRS								

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(7) Q1009+29	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 0.0,null		[==>]	[1]
	2		(7) Q1009+29	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S100	SAME POS AS 1		[==>]	[1]
	3		(7) Q1009+29	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 1.355,0. 424		[==>]	[1]
	4		(7) Q1009+29	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=13; SAMP-SEQ=SPAR S100	SAME POS AS 3		[==>]	[1]



Proposal 12471 - Visit 22 - The Bottom of the Iceberg: Faint z~2 Galaxies and the Enrichment of the IGM

Thu Nov 15 02:04:19 GMT 2012

Visit	Proposal 12471, Visit 22, completed Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: ORIENT 20D TO 160D FROM 07 <i>Comments: We specify Orient from Visit 7 by 20D to 160D. Orient from Visit 7 by -20D to -160D is also acceptable.</i>									
	(Visit 22) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE (Visit 22) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(7)	Q1009+29	RA: 10 11 55.6000 (152.9816667d) Dec: +29 41 41.70 (29.69492d) Equinox: J2000		V=25.0+/-1	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(7) Q1009+29	(7) Q1009+29	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 0.0,null		[==>]	[1]
	2	(7) Q1009+29	(7) Q1009+29	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S100	SAME POS AS 1		[==>]	[1]
	3	(7) Q1009+29	(7) Q1009+29	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 1.355,0. 424		[==>]	[1]
	4	(7) Q1009+29	(7) Q1009+29	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=13; SAMP-SEQ=SPAR S100	SAME POS AS 3		[==>]	[1]
Orbit Structure	<p>Orbit 1 Server Version: 20121031</p> <p>Timeline labels: GS Acq, Exp. 1, Exp. 2, Pointing Maneuver, Exp. 3, Exp. 4, Reconfig, Unused Visibility = 33, Occultation.</p> <p>Time axis: 0, 500, 1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000, 5500 sec</p>									

Proposal 12471 - Visit 08 - The Bottom of the Iceberg: Faint z~2 Galaxies and the Enrichment of the IGM

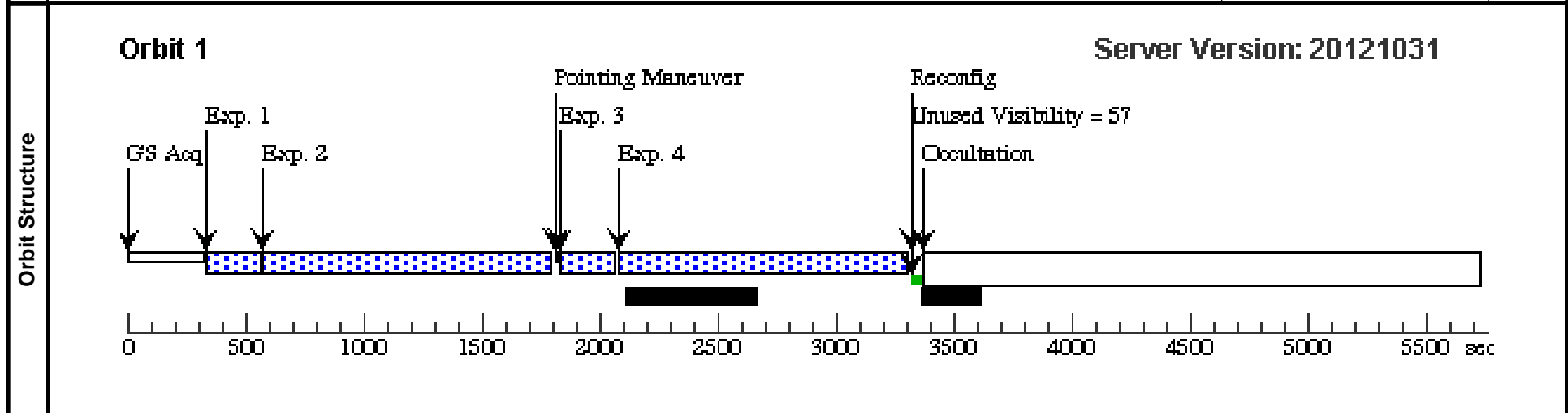
Thu Nov 15 02:04:19 GMT 2012

Visit	Proposal 12471, Visit 08, completed Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: (none)
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Diagnostics	(Visit 08) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE (Visit 08) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE
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Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(8)</td> <td>Q1217+490</td> <td>RA: 12 19 30.8500 (184.8785417d) Dec: +49 40 51.20 (49.68089d) Equinox: J2000</td> <td></td> <td>V=25.0+/-1</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(8)	Q1217+490	RA: 12 19 30.8500 (184.8785417d) Dec: +49 40 51.20 (49.68089d) Equinox: J2000		V=25.0+/-1	Reference Frame: ICRS
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous								
(8)	Q1217+490	RA: 12 19 30.8500 (184.8785417d) Dec: +49 40 51.20 (49.68089d) Equinox: J2000		V=25.0+/-1	Reference Frame: ICRS								

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(8) Q1217+490	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 0.0,null		[==>]	[1]
	2		(8) Q1217+490	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=13; SAMP-SEQ=SPAR S100	SAME POS AS 1		[==>]	[1]
	3		(8) Q1217+490	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 1.355,0. 424		[==>]	[1]
	4		(8) Q1217+490	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=13; SAMP-SEQ=SPAR S100	SAME POS AS 3		[==>]	[1]



Proposal 12471 - Visit 23 - The Bottom of the Iceberg: Faint z~2 Galaxies and the Enrichment of the IGM

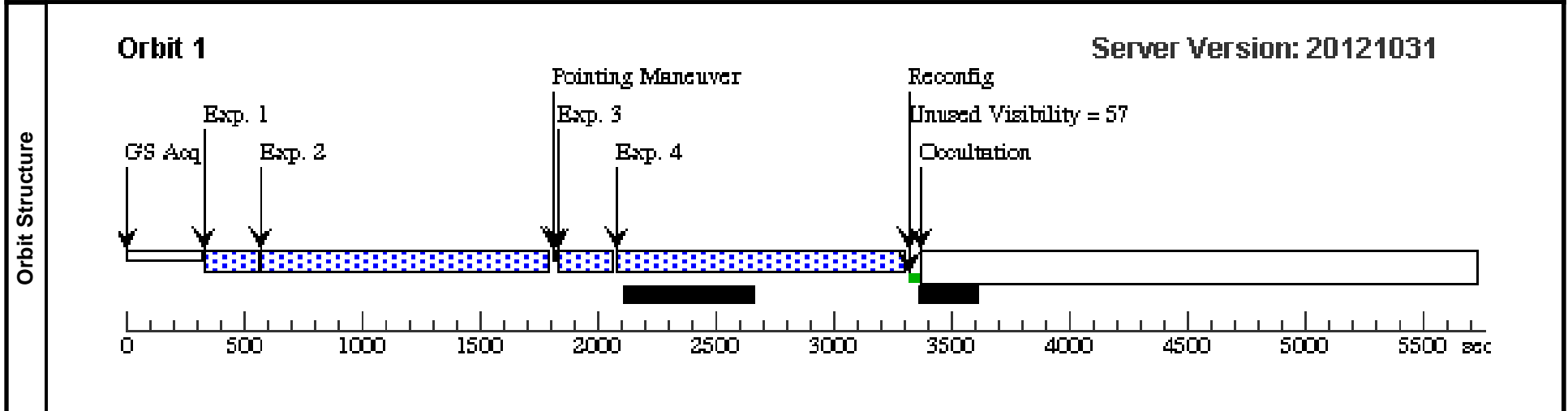
Thu Nov 15 02:04:20 GMT 2012

Visit	<p>Proposal 12471, Visit 23, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/IR</p> <p>Special Requirements: ORIENT 20D TO 160D FROM 08</p> <p><i>Comments: We specify Orient from Visit 8 by 20D to 160D. Orient from Visit 8 by -20D to -160D is also acceptable.</i></p>
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Diagnostics	<p>(Visit 23) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE</p> <p>(Visit 23) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE</p>
--------------------	---

Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(8)</td> <td>Q1217+490</td> <td>RA: 12 19 30.8500 (184.8785417d) Dec: +49 40 51.20 (49.68089d) Equinox: J2000</td> <td></td> <td>V=25.0+/-1</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(8)	Q1217+490	RA: 12 19 30.8500 (184.8785417d) Dec: +49 40 51.20 (49.68089d) Equinox: J2000		V=25.0+/-1	Reference Frame: ICRS
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous								
(8)	Q1217+490	RA: 12 19 30.8500 (184.8785417d) Dec: +49 40 51.20 (49.68089d) Equinox: J2000		V=25.0+/-1	Reference Frame: ICRS								

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(8) Q1217+490	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 0.0,null		[==>]	[1]
	2		(8) Q1217+490	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=13; SAMP-SEQ=SPAR S100	SAME POS AS 1		[==>]	[1]
	3		(8) Q1217+490	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 1.355,0. 424		[==>]	[1]
4		(8) Q1217+490	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=13; SAMP-SEQ=SPAR S100	SAME POS AS 3		[==>]	[1]	



Proposal 12471 - Visit 09 - The Bottom of the Iceberg: Faint z~2 Galaxies and the Enrichment of the IGM

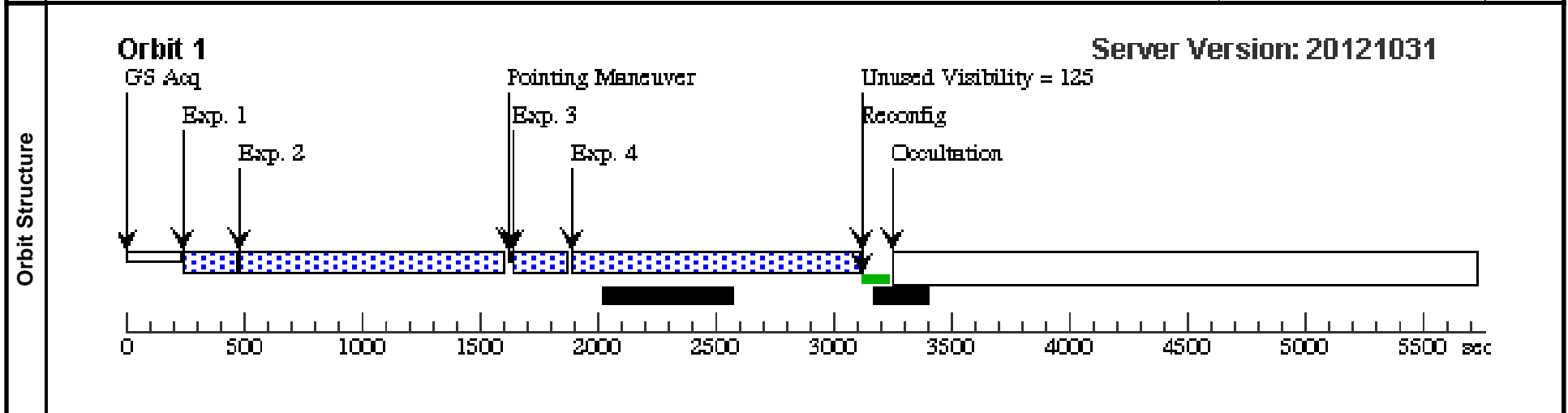
Thu Nov 15 02:04:21 GMT 2012

Visit	Proposal 12471, Visit 09, completed Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: (none)
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Diagnostics	(Visit 09) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE (Visit 09) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE
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Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(9)</td> <td>Q1442+2931</td> <td> RA: 14 44 53.6700 (221.2236250d) Dec: +29 19 5.60 (29.31822d) Equinox: J2000 </td> <td></td> <td>V=25.0+/-1</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(9)	Q1442+2931	RA: 14 44 53.6700 (221.2236250d) Dec: +29 19 5.60 (29.31822d) Equinox: J2000		V=25.0+/-1	Reference Frame: ICRS
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous								
(9)	Q1442+2931	RA: 14 44 53.6700 (221.2236250d) Dec: +29 19 5.60 (29.31822d) Equinox: J2000		V=25.0+/-1	Reference Frame: ICRS								

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(9) Q1442+2931	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 0.0,null; GS ACQ SCENARI O SINGLE		[==>]	[1]
	2		(9) Q1442+2931	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S100	SAME POS AS 1		[==>]	[1]
	3		(9) Q1442+2931	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 1.355,0. 424		[==>]	[1]
	4		(9) Q1442+2931	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=13; SAMP-SEQ=SPAR S100	SAME POS AS 3		[==>]	[1]



Proposal 12471 - Visit 24 - The Bottom of the Iceberg: Faint z~2 Galaxies and the Enrichment of the IGM

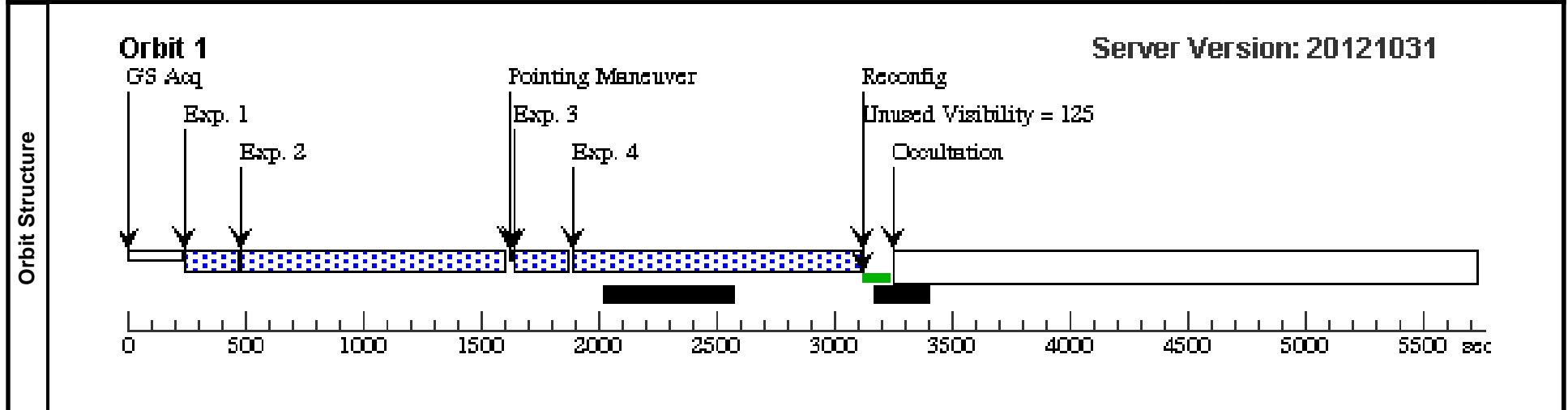
Thu Nov 15 02:04:22 GMT 2012

Visit	<p>Proposal 12471, Visit 24, scheduling</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/IR</p> <p>Special Requirements: ORIENT 20D TO 160D FROM 09</p> <p><i>Comments: We specify Orient from Visit 9 by 20D to 160D. Orient from Visit 9 by -20D to -160D is also acceptable.</i></p>
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Diagnostics	<p>(Visit 24) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE</p> <p>(Visit 24) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE</p>
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Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(9)</td> <td>Q1442+2931</td> <td>RA: 14 44 53.6700 (221.2236250d) Dec: +29 19 5.60 (29.31822d) Equinox: J2000</td> <td></td> <td>V=25.0+/-1</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(9)	Q1442+2931	RA: 14 44 53.6700 (221.2236250d) Dec: +29 19 5.60 (29.31822d) Equinox: J2000		V=25.0+/-1	Reference Frame: ICRS
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous								
(9)	Q1442+2931	RA: 14 44 53.6700 (221.2236250d) Dec: +29 19 5.60 (29.31822d) Equinox: J2000		V=25.0+/-1	Reference Frame: ICRS								

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(9) Q1442+2931	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 0.0,null; GS ACQ SCENARI O SINGLE		[==>]	[1]
	2		(9) Q1442+2931	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S100	SAME POS AS 1		[==>]	[1]
	3		(9) Q1442+2931	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 1.355,0. 424		[==>]	[1]
	4		(9) Q1442+2931	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=13; SAMP-SEQ=SPAR S100	SAME POS AS 3		[==>]	[1]



Proposal 12471 - Visit 10 - The Bottom of the Iceberg: Faint z~2 Galaxies and the Enrichment of the IGM

Thu Nov 15 02:04:23 GMT 2012

Visit	Proposal 12471, Visit 10, completed Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: (none)									
	(Visit 10) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE (Visit 10) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(10)	Q1549+1919	RA: 15 51 52.5000 (237.9687500d) Dec: +19 11 4.30 (19.18453d) Equinox: J2000		V=25.0+/-1	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(10) Q1549+1919	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 0.0,null		[==>]	[1]
	2		(10) Q1549+1919	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S100	SAME POS AS 1		[==>]	[1]
	3		(10) Q1549+1919	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 1.355,0. 424		[==>]	[1]
	4		(10) Q1549+1919	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=13; SAMP-SEQ=SPAR S100	SAME POS AS 3		[==>]	[1]
Orbit Structure	<p>Orbit 1 Server Version: 20121031</p> <p>The diagram shows a timeline for Orbit 1. Key events include GS Acq at ~100s, Exp. 1 at ~300s, Exp. 2 at ~500s, Pointing Maneuver at ~1700s, Exp. 3 at ~1800s, Exp. 4 at ~2000s, Reconfig at ~3200s, Occultation at ~3300s, and Unused Visibility = 24 at ~3400s. A blue checkered bar indicates the observation period from ~300s to ~3200s. A black bar indicates the occultation period from ~3300s to ~3400s. The x-axis is labeled 'sec' and ranges from 0 to 5500.</p>									
	<p>Timeline labels: GS Acq, Exp. 1, Exp. 2, Pointing Maneuver, Exp. 3, Exp. 4, Reconfig, Occultation, Unused Visibility = 24.</p>									

Proposal 12471 - Visit 25 - The Bottom of the Iceberg: Faint z~2 Galaxies and the Enrichment of the IGM

Thu Nov 15 02:04:24 GMT 2012

Visit
Proposal 12471, Visit 25, completed
Diagnostic Status: Warning
 Scientific Instruments: WFC3/IR
 Special Requirements: ORIENT 20D TO 160D FROM 10
Comments: We specify Orient from Visit 10 by 20D to 160D. Orient from Visit 10 by -20D to -160D is also acceptable.

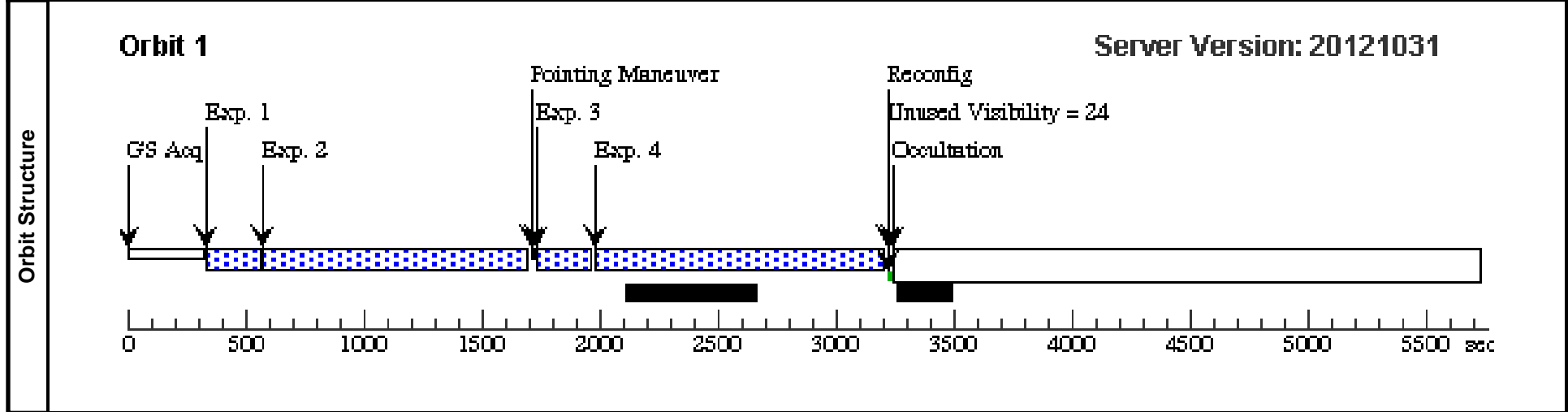
Diagnostics
 (Visit 25) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE
 (Visit 25) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(10)	Q1549+1919	RA: 15 51 52.5000 (237.9687500d) Dec: +19 11 4.30 (19.18453d) Equinox: J2000		V=25.0+/-1	Reference Frame: ICRS

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	(10) Q1549+1919	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 0.0,null	[==>]	[1]		
2	(10) Q1549+1919	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S100	SAME POS AS 1	[==>]	[1]		
3	(10) Q1549+1919	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 1.355,0. 424	[==>]	[1]		
4	(10) Q1549+1919	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=13; SAMP-SEQ=SPAR S100	SAME POS AS 3	[==>]	[1]		



Proposal 12471 - Visit 11 - The Bottom of the Iceberg: Faint z~2 Galaxies and the Enrichment of the IGM

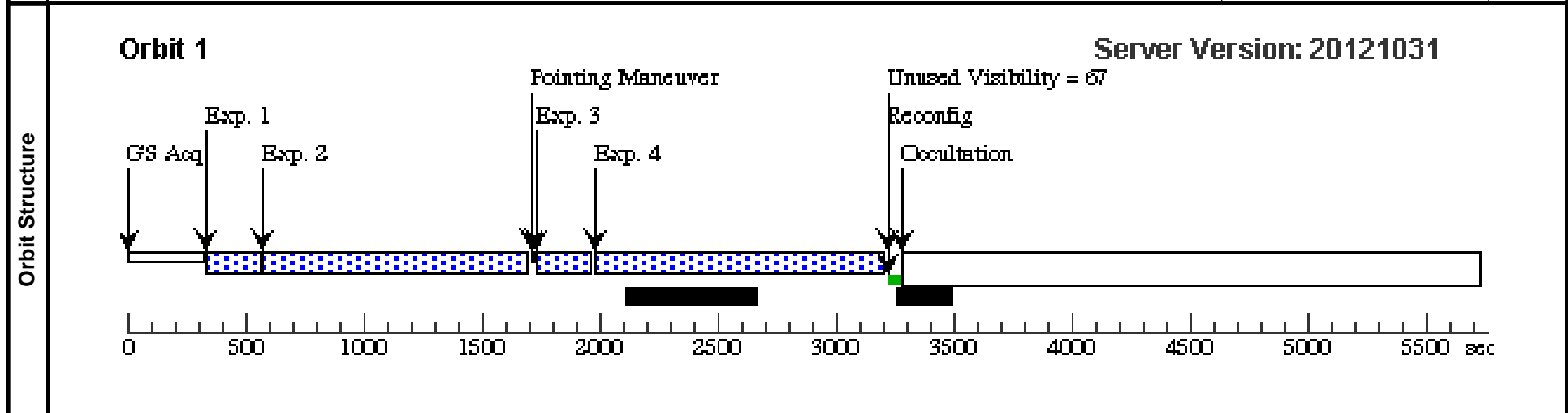
Thu Nov 15 02:04:24 GMT 2012

Visit	Proposal 12471, Visit 11, completed Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: (none)
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Diagnostics	(Visit 11) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE (Visit 11) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE
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Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(11)</td> <td>HS1603+3820</td> <td>RA: 16 04 55.3800 (241.2307500d) Dec: +38 12 1.80 (38.20050d) Equinox: J2000</td> <td></td> <td>V=25.0+/-1</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(11)	HS1603+3820	RA: 16 04 55.3800 (241.2307500d) Dec: +38 12 1.80 (38.20050d) Equinox: J2000		V=25.0+/-1	Reference Frame: ICRS
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous								
(11)	HS1603+3820	RA: 16 04 55.3800 (241.2307500d) Dec: +38 12 1.80 (38.20050d) Equinox: J2000		V=25.0+/-1	Reference Frame: ICRS								

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(11) HS1603+3820	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 0.0,null		[==>]	[1]
	2		(11) HS1603+3820	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S100	SAME POS AS 1		[==>]	[1]
	3		(11) HS1603+3820	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 1.355,0. 424		[==>]	[1]
	4		(11) HS1603+3820	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=13; SAMP-SEQ=SPAR S100	SAME POS AS 3		[==>]	[1]



Proposal 12471 - Visit 26 - The Bottom of the Iceberg: Faint z~2 Galaxies and the Enrichment of the IGM

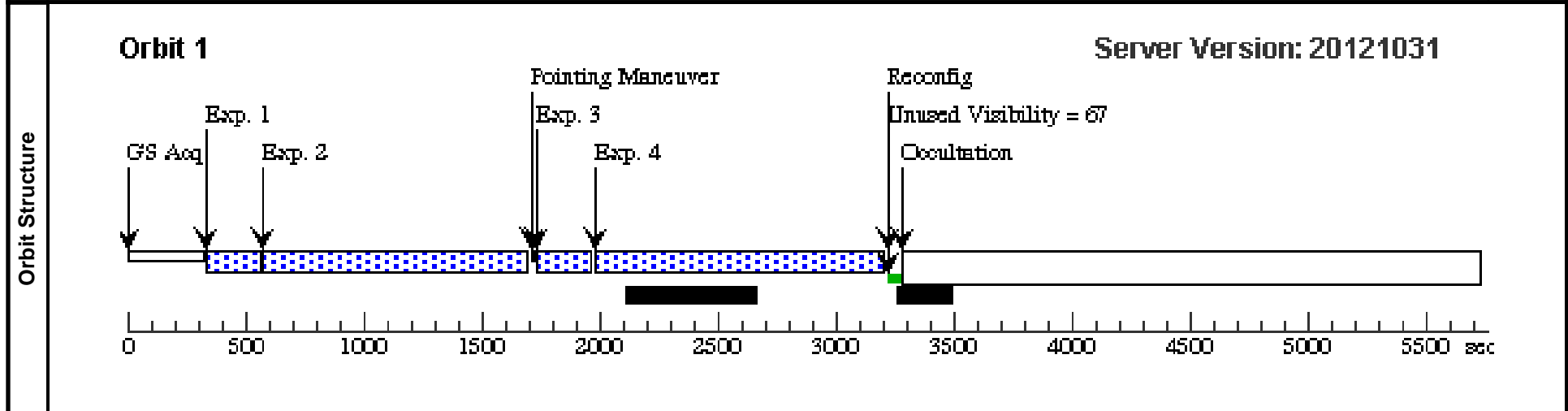
Thu Nov 15 02:04:25 GMT 2012

Visit
Proposal 12471, Visit 26, completed
Diagnostic Status: Warning
 Scientific Instruments: WFC3/IR
 Special Requirements: ORIENT 20D TO 160D FROM 11
Comments: We specify Orient from Visit 11 by 20D to 160D. Orient from Visit 11 by -20D to -160D is also acceptable.

Diagnostics
 (Visit 26) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE
 (Visit 26) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(11)	HS1603+3820	RA: 16 04 55.3800 (241.2307500d) Dec: +38 12 1.80 (38.20050d) Equinox: J2000		V=25.0+/-1	Reference Frame: ICRS

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1		(11) HS1603+3820	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 0.0,null		[==>]	[1]
2		(11) HS1603+3820	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S100	SAME POS AS 1		[==>]	[1]
3		(11) HS1603+3820	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 1.355,0. 424		[==>]	[1]
4		(11) HS1603+3820	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=13; SAMP-SEQ=SPAR S100	SAME POS AS 3		[==>]	[1]



Proposal 12471 - Visit 12 - The Bottom of the Iceberg: Faint z~2 Galaxies and the Enrichment of the IGM

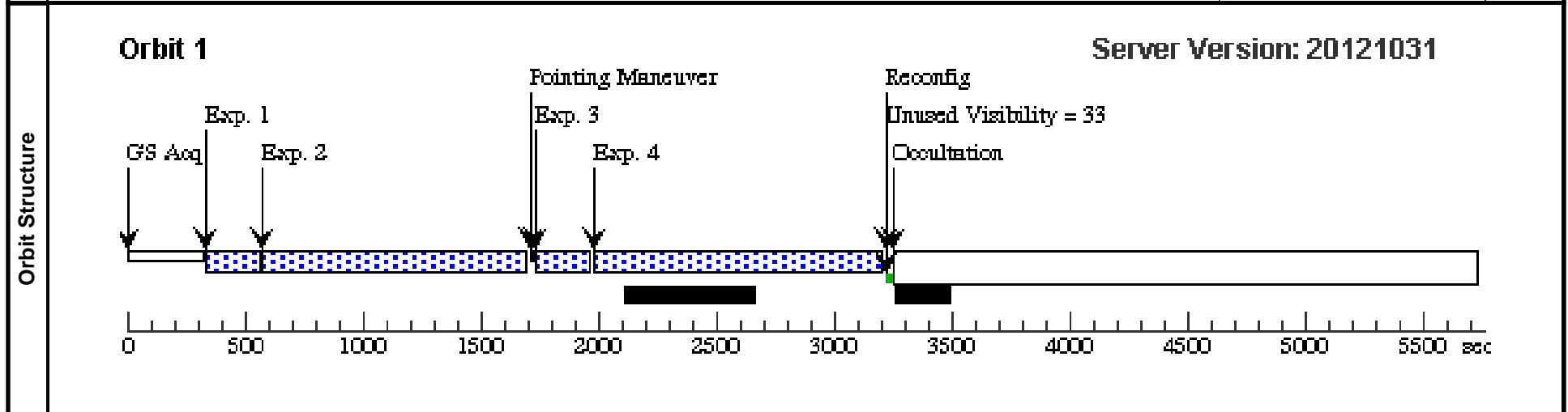
Thu Nov 15 02:04:26 GMT 2012

Visit	Proposal 12471, Visit 12, completed Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: (none)
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Diagnostics	(Visit 12) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE (Visit 12) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE
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Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(12)</td> <td>Q1623-KP77</td> <td>RA: 16 25 48.8300 (246.4534583d) Dec: +26 46 58.80 (26.78300d) Equinox: J2000</td> <td></td> <td>V=25.0+/-1</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(12)	Q1623-KP77	RA: 16 25 48.8300 (246.4534583d) Dec: +26 46 58.80 (26.78300d) Equinox: J2000		V=25.0+/-1	Reference Frame: ICRS
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous								
(12)	Q1623-KP77	RA: 16 25 48.8300 (246.4534583d) Dec: +26 46 58.80 (26.78300d) Equinox: J2000		V=25.0+/-1	Reference Frame: ICRS								

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(12) Q1623-KP77	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 0.0,null		[==>]	[1]
	2		(12) Q1623-KP77	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S100	SAME POS AS 1		[==>]	[1]
	3		(12) Q1623-KP77	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 1.355,0. 424		[==>]	[1]
	4		(12) Q1623-KP77	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=13; SAMP-SEQ=SPAR S100	SAME POS AS 3		[==>]	[1]



Proposal 12471 - Visit 27 - The Bottom of the Iceberg: Faint z~2 Galaxies and the Enrichment of the IGM

Thu Nov 15 02:04:27 GMT 2012

Visit
Proposal 12471, Visit 27, completed
Diagnostic Status: Warning
 Scientific Instruments: WFC3/IR
 Special Requirements: ORIENT 20D TO 160D FROM 12
Comments: We specify Orient from Visit 12 by 20D to 160D. Orient from Visit 12 by -20D to -160D is also acceptable.

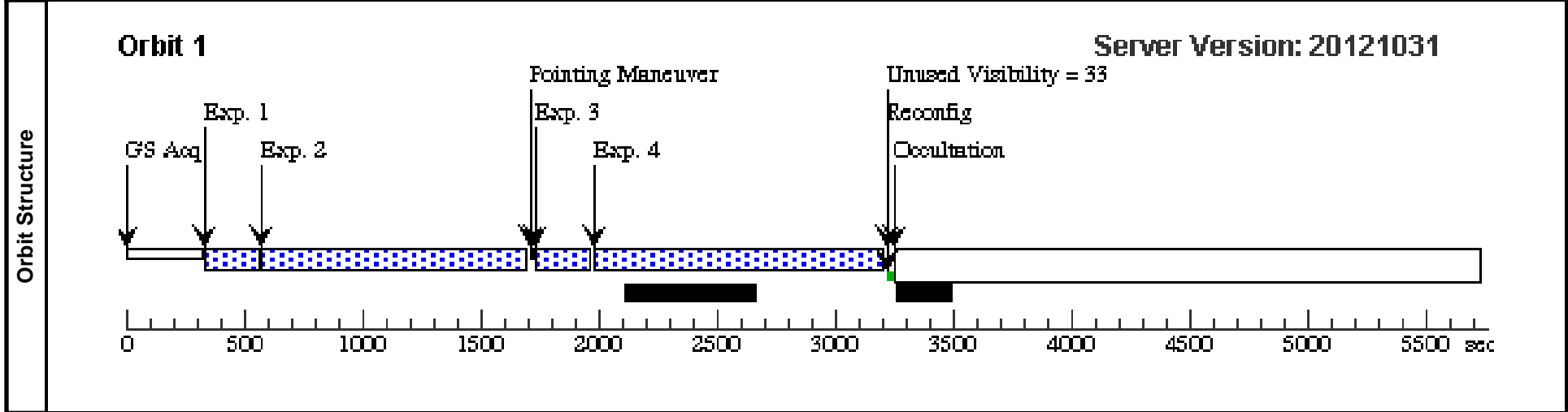
Diagnostics
 (Visit 27) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE
 (Visit 27) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(12)	Q1623-KP77	RA: 16 25 48.8300 (246.4534583d) Dec: +26 46 58.80 (26.78300d) Equinox: J2000		V=25.0+/-1	Reference Frame: ICRS

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	(12) Q1623-KP77		WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 0.0,null		[==>]	[1]
2	(12) Q1623-KP77		WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S100	SAME POS AS 1		[==>]	[1]
3	(12) Q1623-KP77		WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 1.355,0. 424		[==>]	[1]
4	(12) Q1623-KP77		WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=13; SAMP-SEQ=SPAR S100	SAME POS AS 3		[==>]	[1]



Proposal 12471 - Visit 13 - The Bottom of the Iceberg: Faint z~2 Galaxies and the Enrichment of the IGM

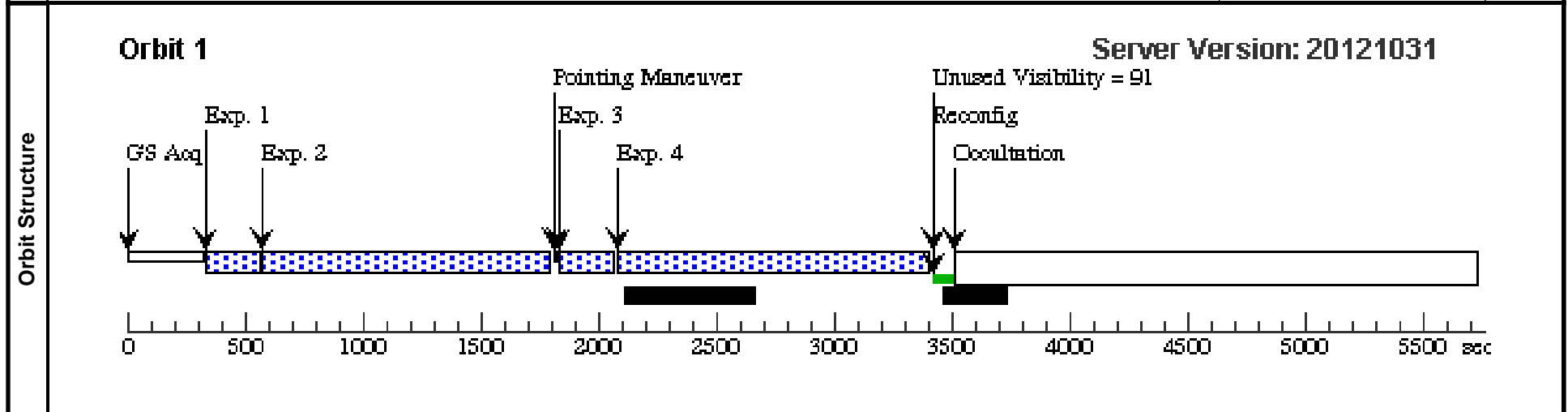
Thu Nov 15 02:04:28 GMT 2012

Visit	Proposal 12471, Visit 13, completed Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: (none)
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Diagnostics	(Visit 13) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE (Visit 13) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE
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Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(13)</td> <td>Q1700+64</td> <td>RA: 17 01 0.6000 (255.2525000d) Dec: +64 12 9.40 (64.20261d) Equinox: J2000</td> <td></td> <td>V=25.0+/-1</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(13)	Q1700+64	RA: 17 01 0.6000 (255.2525000d) Dec: +64 12 9.40 (64.20261d) Equinox: J2000		V=25.0+/-1	Reference Frame: ICRS
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous								
(13)	Q1700+64	RA: 17 01 0.6000 (255.2525000d) Dec: +64 12 9.40 (64.20261d) Equinox: J2000		V=25.0+/-1	Reference Frame: ICRS								

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(13) Q1700+64	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 0.0,null		[==>]	[1]
	2		(13) Q1700+64	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=13; SAMP-SEQ=SPAR S100	SAME POS AS 1		[==>]	[1]
	3		(13) Q1700+64	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 1.355,0. 424		[==>]	[1]
	4		(13) Q1700+64	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=14; SAMP-SEQ=SPAR S100	SAME POS AS 3		[==>]	[1]

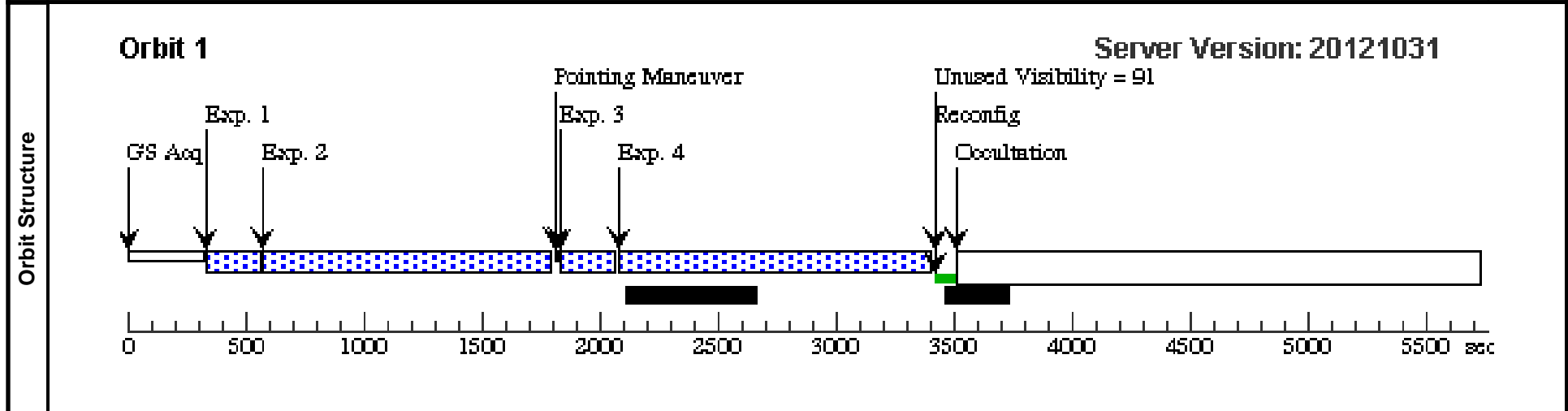


Visit	<p>Proposal 12471, Visit 28, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/IR</p> <p>Special Requirements: ORIENT 20D TO 160D FROM 13</p> <p><i>Comments: We specify Orient from Visit 13 by 20D to 160D. Orient from Visit 13 by -20D to -160D is also acceptable.</i></p>
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Diagnostics	<p>(Visit 28) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE</p> <p>(Visit 28) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE</p>
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Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(13)</td> <td>Q1700+64</td> <td>RA: 17 01 0.6000 (255.2525000d) Dec: +64 12 9.40 (64.20261d) Equinox: J2000</td> <td></td> <td>V=25.0+/-1</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(13)	Q1700+64	RA: 17 01 0.6000 (255.2525000d) Dec: +64 12 9.40 (64.20261d) Equinox: J2000		V=25.0+/-1	Reference Frame: ICRS
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous								
(13)	Q1700+64	RA: 17 01 0.6000 (255.2525000d) Dec: +64 12 9.40 (64.20261d) Equinox: J2000		V=25.0+/-1	Reference Frame: ICRS								

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(13) Q1700+64	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 0.0,null		[==>]	[1]
	2		(13) Q1700+64	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=13; SAMP-SEQ=SPAR S100	SAME POS AS 1		[==>]	[1]
	3		(13) Q1700+64	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 1.355,0. 424		[==>]	[1]
	4		(13) Q1700+64	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=14; SAMP-SEQ=SPAR S100	SAME POS AS 3		[==>]	[1]



Proposal 12471 - Visit 14 - The Bottom of the Iceberg: Faint z~2 Galaxies and the Enrichment of the IGM

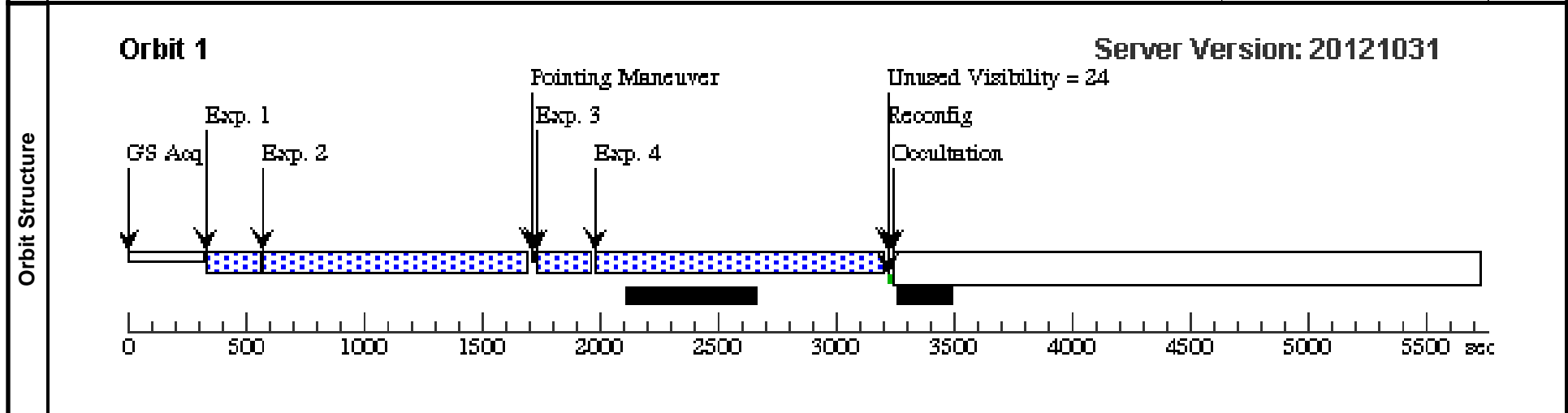
Thu Nov 15 02:04:29 GMT 2012

Visit	Proposal 12471, Visit 14, completed Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: (none)
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Diagnostics	(Visit 14) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE (Visit 14) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE
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Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(14)</td> <td>Q2206-199</td> <td>RA: 22 08 52.1000 (332.2170833d) Dec: -19 43 59.70 (-19.73325d) Equinox: J2000</td> <td></td> <td>V=25.0+/-1</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(14)	Q2206-199	RA: 22 08 52.1000 (332.2170833d) Dec: -19 43 59.70 (-19.73325d) Equinox: J2000		V=25.0+/-1	Reference Frame: ICRS
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous								
(14)	Q2206-199	RA: 22 08 52.1000 (332.2170833d) Dec: -19 43 59.70 (-19.73325d) Equinox: J2000		V=25.0+/-1	Reference Frame: ICRS								

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(14) Q2206-199	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 0.0,null		[==>]	[1]
	2		(14) Q2206-199	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S100	SAME POS AS 1		[==>]	[1]
	3		(14) Q2206-199	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 1.355,0.424		[==>]	[1]
	4		(14) Q2206-199	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=13; SAMP-SEQ=SPAR S100	SAME POS AS 3		[==>]	[1]



Proposal 12471 - Visit 29 - The Bottom of the Iceberg: Faint z~2 Galaxies and the Enrichment of the IGM

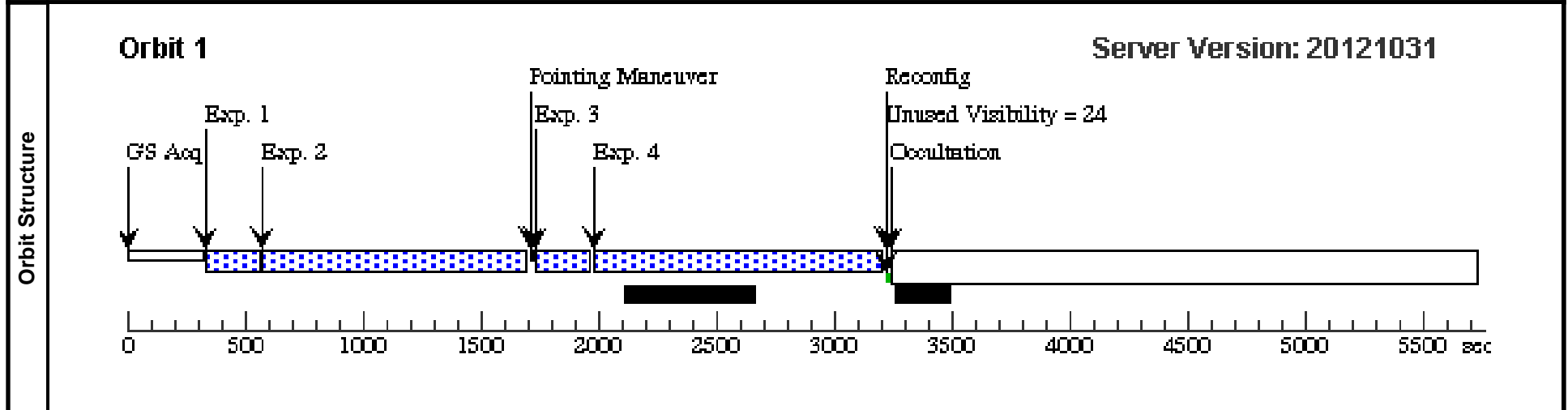
Thu Nov 15 02:04:30 GMT 2012

Visit	<p>Proposal 12471, Visit 29, scheduled</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/IR</p> <p>Special Requirements: ORIENT 20D TO 160D FROM 14</p> <p><i>Comments: We specify Orient from Visit 14 by 20D to 160D. Orient from Visit 14 by -20D to -160D is also acceptable.</i></p>
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Diagnostics	<p>(Visit 29) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE</p> <p>(Visit 29) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE</p>
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Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(14)</td> <td>Q2206-199</td> <td>RA: 22 08 52.1000 (332.2170833d) Dec: -19 43 59.70 (-19.73325d) Equinox: J2000</td> <td></td> <td>V=25.0+/-1</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(14)	Q2206-199	RA: 22 08 52.1000 (332.2170833d) Dec: -19 43 59.70 (-19.73325d) Equinox: J2000		V=25.0+/-1	Reference Frame: ICRS
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous								
(14)	Q2206-199	RA: 22 08 52.1000 (332.2170833d) Dec: -19 43 59.70 (-19.73325d) Equinox: J2000		V=25.0+/-1	Reference Frame: ICRS								

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(14) Q2206-199	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 0.0,null		[==>]	[1]
	2		(14) Q2206-199	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S100	SAME POS AS 1		[==>]	[1]
	3		(14) Q2206-199	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 1.355,0. 424		[==>]	[1]
	4		(14) Q2206-199	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=13; SAMP-SEQ=SPAR S100	SAME POS AS 3		[==>]	[1]



Proposal 12471 - Visit 15 - The Bottom of the Iceberg: Faint z~2 Galaxies and the Enrichment of the IGM

Thu Nov 15 02:04:31 GMT 2012

Visit	Proposal 12471, Visit 15, completed Diagnostic Status: Warning Scientific Instruments: WFC3/IR Special Requirements: (none)									
	(Visit 15) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE (Visit 15) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections			Fluxes	Miscellaneous		
	(15)	Q2343+12	RA: 23 46 28.3000 (356.6179167d) Dec: +12 48 57.80 (12.81606d) Equinox: J2000				V=25.0+/-1	Reference Frame: ICRS		
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(15) Q2343+12	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 0.0,null		[==>]	[1]
	2		(15) Q2343+12	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S100	SAME POS AS 1		[==>]	[1]
	3		(15) Q2343+12	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 1.355,0. 424		[==>]	[1]
	4		(15) Q2343+12	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=13; SAMP-SEQ=SPAR S100	SAME POS AS 3		[==>]	[1]
Orbit Structure	<p>Orbit 1 Server Version: 20121031</p> <p>The diagram illustrates the sequence of events for Orbit 1. It starts with GS Acq at 0 seconds. Exposure 1 (Exp. 1) begins at approximately 300 seconds, followed by Exposure 2 (Exp. 2) at 500 seconds. A Pointing Maneuver occurs at approximately 1700 seconds, after which Exposure 3 (Exp. 3) starts at 1800 seconds and Exposure 4 (Exp. 4) at 2000 seconds. A Reconfig event occurs at approximately 3200 seconds, followed by an Occultation at 3300 seconds. A shaded region from approximately 300 seconds to 3200 seconds is labeled 'Unused Visibility = 19'. The timeline ends at 5500 seconds.</p>									
	<p>Timeline labels: GS Acq, Exp. 1, Exp. 2, Pointing Maneuver, Exp. 3, Exp. 4, Reconfig, Occultation, Unused Visibility = 19. X-axis: 0, 500, 1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000, 5500 sec.</p>									

Proposal 12471 - Visit 30 - The Bottom of the Iceberg: Faint z~2 Galaxies and the Enrichment of the IGM

Thu Nov 15 02:04:32 GMT 2012

Visit	<p>Proposal 12471, Visit 30, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/IR</p> <p>Special Requirements: ORIENT 20D TO 160D FROM 15</p> <p><i>Comments: We specify Orient from Visit 15 by 20D to 160D. Orient from Visit 15 by -20D to -160D is also acceptable.</i></p>
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Diagnostics	<p>(Visit 30) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE</p> <p>(Visit 30) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE</p>
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Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(15)</td> <td>Q2343+12</td> <td>RA: 23 46 28.3000 (356.6179167d) Dec: +12 48 57.80 (12.81606d) Equinox: J2000</td> <td></td> <td>V=25.0+/-1</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(15)	Q2343+12	RA: 23 46 28.3000 (356.6179167d) Dec: +12 48 57.80 (12.81606d) Equinox: J2000		V=25.0+/-1	Reference Frame: ICRS
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous								
(15)	Q2343+12	RA: 23 46 28.3000 (356.6179167d) Dec: +12 48 57.80 (12.81606d) Equinox: J2000		V=25.0+/-1	Reference Frame: ICRS								

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(15) Q2343+12	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 0.0,null		[==>]	[1]
	2		(15) Q2343+12	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=12; SAMP-SEQ=SPAR S100	SAME POS AS 1		[==>]	[1]
	3		(15) Q2343+12	WFC3/IR, MULTIACCUM, IR	F140W	NSAMP=5; SAMP-SEQ=SPAR S50	POS TARG 1.355,0. 424		[==>]	[1]
	4		(15) Q2343+12	WFC3/IR, MULTIACCUM, GRISM1024	G141	NSAMP=13; SAMP-SEQ=SPAR S100	SAME POS AS 3		[==>]	[1]

