



# 15939 - The stellar populations of gas-rich absorbing galaxies detected with VLT/MUSE and ALMA: the essential link to the baryon cycle

Cycle: 27, Proposal Category: GO

(Availability Mode: SUPPORTED)

## INVESTIGATORS

<i>Name</i>	<i>Institution</i>	<i>E-Mail</i>
<b>Dr. Celine Peroux (PI) (ESA Member) (Contact)</b>	<b>European Southern Observatory - Germany</b>	<b>cperoux@eso.org</b>
Dr. Varsha Purushottam Kulkarni (CoI) (AdminUS PI)	University of South Carolina	kulkarni@sc.edu
Ramona Augustin (CoI)	Space Telescope Science Institute	raugustin@stsci.edu
Dr. Hadi Rahmani (CoI) (ESA Member)	Laboratoire d'Astrophysique de Marseille	hadi.rahmani@gmail.com
Ms. Anne Klitsch (CoI) (ESA Member)	European Southern Observatory - Germany	aklitsch@eso.org
Aleksandra Hamanowicz (CoI) (ESA Member)	European Southern Observatory - Germany	ahamanow@eso.org
Prof. Max Pettini (CoI) (ESA Member)	University of Cambridge	pettini@ast.cam.ac.uk
Prof. Donald G. York (CoI)	University of Chicago	don@astro.uchicago.edu
Dr. Martin A. Zwaan (CoI) (ESA Member)	European Southern Observatory - Germany	mzwaan@eso.org
Dr. Glenn G. Kacprzak (CoI)	Swinburne University of Technology	gkacprzak@astro.swin.edu.au
Dr. Andrew J. Fox (CoI) (ESA Member)	Space Telescope Science Institute - ESA	afox@stsci.edu
Prof. Jay Christopher Howk (CoI)	University of Notre Dame	jhowk@nd.edu
Prof. Matthew James Hayes (CoI) (ESA Member)	Stockholm University	matthew@astro.su.se
Dr. Susan Kassin (CoI)	Space Telescope Science Institute	kassin@stsci.edu
Dr. Dylan Nelson (CoI) (ESA Member)	Max-Planck-Institut für Astrophysik	dnelson@mpa-garching.mpg.de
Dr. Harald Kuntschner (CoI) (ESA Member)	European Southern Observatory - Germany	hkuntsch@eso.org

## VISITS

Proposal 15939 (STScI Edit Number: 0, Created: Tuesday, September 29, 2020 at 1:00:46 PM Eastern Standard Time) - 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>
01	(1) J0152-2001	WFC3/UVIS	2	29-Sep-2020 14:00:25.0	yes
21	(1) J0152-2001	WFC3/UVIS	1	29-Sep-2020 14:00:26.0	yes
02	(2) Q0420+0127	WFC3/UVIS	2	29-Sep-2020 14:00:27.0	yes
03	(3) J1130-1449	WFC3/UVIS	2	29-Sep-2020 14:00:28.0	yes
04	(4) J1211+1030	WFC3/UVIS	1	29-Sep-2020 14:00:28.0	yes
05	(5) Q1229-021	WFC3/UVIS	1	29-Sep-2020 14:00:29.0	yes
06	(6) J2131-1207	WFC3/UVIS	2	29-Sep-2020 14:00:30.0	yes
22	(6) J2131-1207	WFC3/UVIS	2	29-Sep-2020 14:00:31.0	yes
07	(7) Q0138-0005	WFC3/UVIS	1	29-Sep-2020 14:00:31.0	yes
19	(7) Q0138-0005	WFC3/UVIS	1	29-Sep-2020 14:00:32.0	yes
20	(7) Q0138-0005	WFC3/IR	1	29-Sep-2020 14:00:32.0	yes
08	(8) Q0152+0023	WFC3/UVIS	3	29-Sep-2020 14:00:33.0	yes
09	(9) Q0454+039	WFC3/UVIS	1	29-Sep-2020 14:00:34.0	yes
10	(10) Q0454-220	WFC3/UVIS	2	29-Sep-2020 14:00:35.0	yes
11	(11) Q1110+0048	WFC3/UVIS	3	29-Sep-2020 14:00:37.0	yes
18	(11) Q1110+0048	WFC3/UVIS	1	29-Sep-2020 14:00:38.0	yes
12	(12) Q1342-0035	WFC3/UVIS	3	29-Sep-2020 14:00:39.0	yes
13	(13) Q1345-0023	WFC3/UVIS	3	29-Sep-2020 14:00:40.0	yes
14	(14) Q1431-0050	WFC3/UVIS	3	29-Sep-2020 14:00:41.0	yes
15	(15) Q1515+0410	WFC3/UVIS	3	29-Sep-2020 14:00:43.0	yes
16	(16) Q1554-203	WFC3/IR WFC3/UVIS	3	29-Sep-2020 14:00:44.0	yes
17	(17) Q2353-0028	WFC3/UVIS	3	29-Sep-2020 14:00:46.0	yes

44 Total Orbits Used

## **ABSTRACT**

The physical processes by which the gas is accreted onto galaxies, transformed into stars and then expelled from galaxies are of paramount importance to galaxy evolution studies. Observationally constraining each of these baryon components in the same systems is however extremely challenging. Absorption lines detected against background quasars offer the most compelling way to study the cold gas in the circumgalactic medium (CGM). We have selected a unique sample of 17 VLT/MUSE quasar fields, comprising 40  $z < 0.85$  absorbers and 120 associated galaxies, some of which are also detected in CO with ALMA. These absorbers have measured  $N(\text{H I})$ , absorption and emission metallicities and reconstructed 3D kinematics. An additional sample of 200  $z < 1.2$  galaxies have MgII coverage from quasar spectroscopy. Only the powerful combination of high spatial resolution and UV coverage offered by HST will permit to characterise the stellar content of these objects. Therefore, we propose a 40-orbit 3-band UVIS and IR WFC3 imaging campaign to measure their stellar mass, dust content, age of their stellar population, constrain their resolved morphology and large-scale environment. Only the proposed observations will allow us to establish a complete census of the condensed baryons in these systems, to characterise the dynamical structure of the galaxy groups and filaments and to quantify the CGM metal enrichment as a function of stellar mass. Together, these data will provide fresh clues on the baryon cycle, a key component of galaxy formation and evolution.

## **OBSERVING DESCRIPTION**

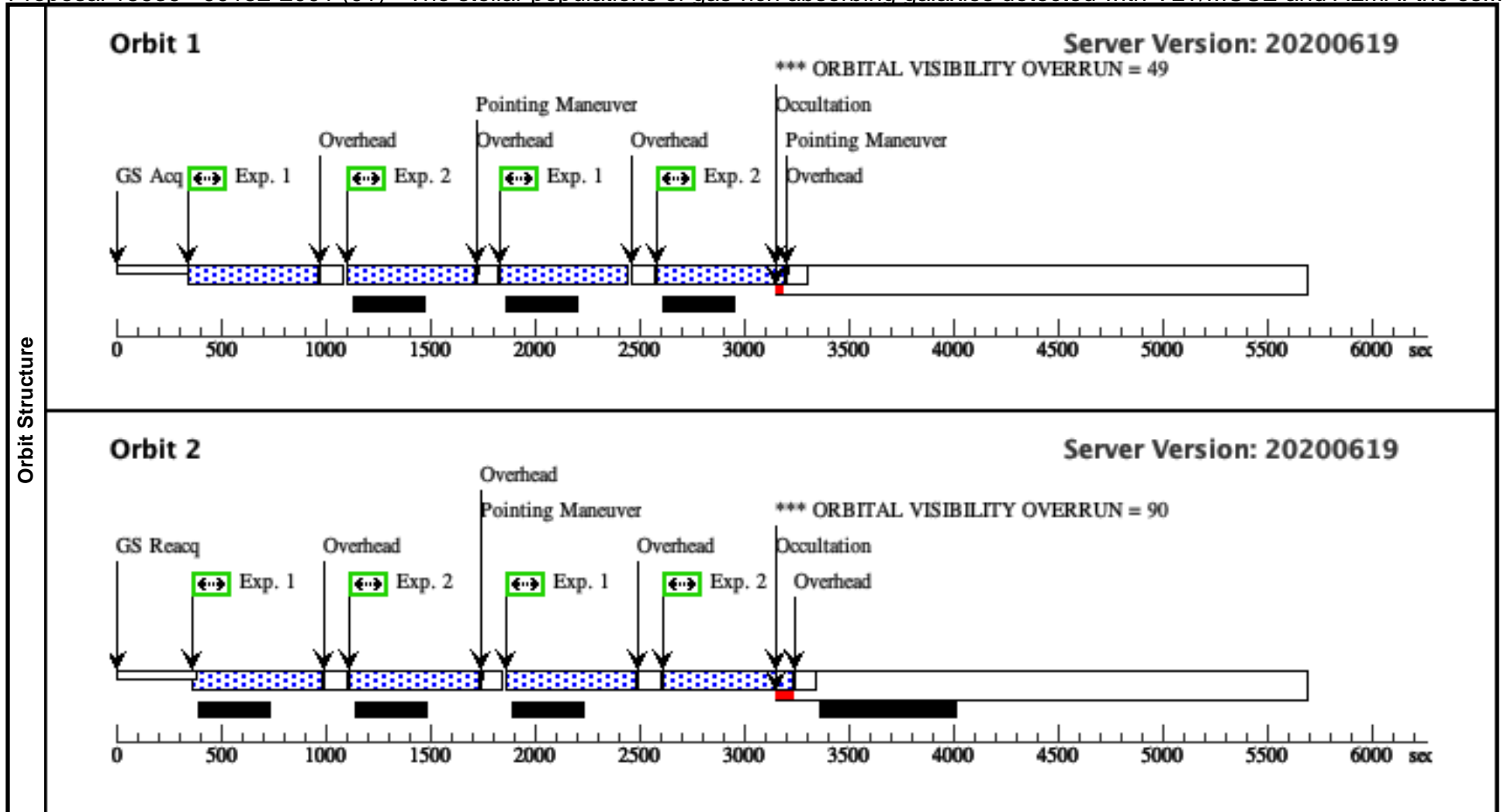
We are observing the faint galaxy counterparts to known absorbers towards the bright targeted quasars. We will measure their magnitudes to determine their stellar masses via SED fitting.

The orientations of our observations are chosen such that the faint galaxies are not obstructed by the quasar PSF diffraction spikes.

Proposal 15939 - J0152-2001 (01) - The stellar populations of gas-rich absorbing galaxies detected with VLT/MUSE and ALMA: the es...

Tue Sep 29 18:00:46 GMT 2020

<b>Visit</b>	<b>Proposal 15939, J0152-2001 (01), failed</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 325D TO 345 D; ORIENT 55D TO 75 D; ORIENT 145D TO 165 D; ORIENT 235D TO 255 D <i>Comments: The science goal is to observe the faint galaxies in the quasar field that are connected to two known absorbers at <math>z=0.38</math> and <math>z=0.78</math>. We choose the orientation such that the closest of those galaxies are not obstructed by the diffraction spikes in the quasar PSF.</i>									
	<b>Diagnosics</b> (J0152-2001 (01)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (J0152-2001 (01)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>	<b>Secondary Pattern</b>	<b>Exposures</b>						
	(1)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112 Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false		(1-2)						
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(1)	J0152-2001	RA: 01 52 27.3400 (28.1139167d) Dec: -20 01 7.10 (-20.01864d) Equinox: J2000		V=17.4	Reference Frame: ICRS				
<i>Comments:                  Category=GALAXY                  Description=[OSO]</i>										
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time (Total)/[Actual Dur.]</b>	<b>Orbit</b>
	1	F336W	(1) J0152-2001	WFC3/UVIS, ACCUM, UVIS1	F336W	FLASH=10		Pattern 1, Exps 1-2 in J0152-2001 (01) (1)	500 Secs (2364 Secs)	
									[==>587.0 Secs (Pattern 1)]	[1]
									[==>587.0 Secs (Pattern 2)]	
									[==>595.0 Secs (Pattern 3)]	[2]
									[==>595.0 Secs (Pattern 4)]	
2	F475W	(1) J0152-2001	WFC3/UVIS, ACCUM, UVIS1	F475W				Pattern 1, Exps 1-2 in J0152-2001 (01) (1)	500 Secs (2364 Secs)	
									[==>587.0 Secs (Pattern 1)]	[1]
									[==>587.0 Secs (Pattern 2)]	
									[==>595.0 Secs (Pattern 3)]	[2]
									[==>595.0 Secs (Pattern 4)]	

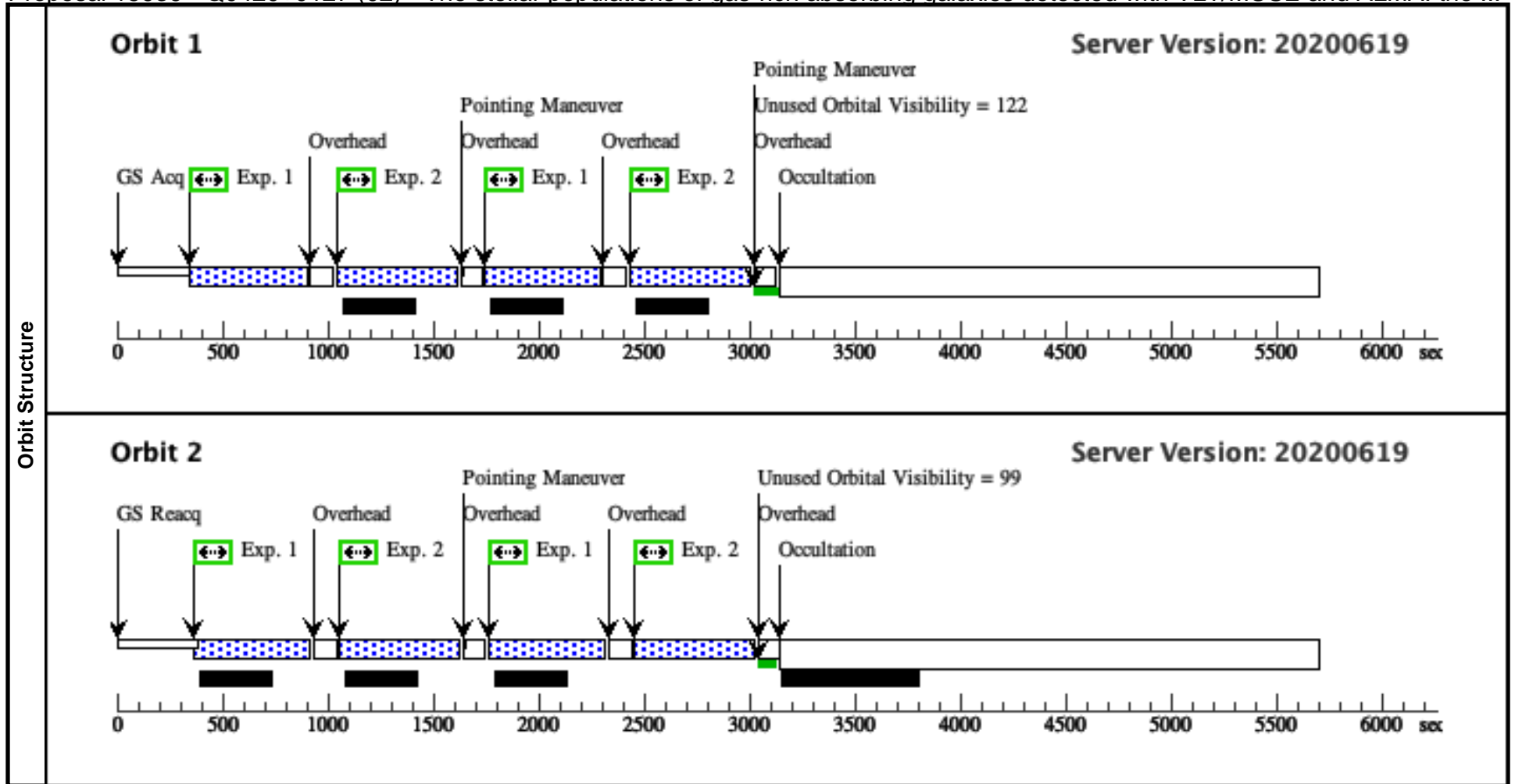


<b>Visit</b>	<b>Proposal 15939, J0152-2001 (21)</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 325D TO 345 D; ORIENT 55D TO 75 D; ORIENT 145D TO 165 D; ORIENT 235D TO 255 D <i>Comments: The science goal is to observe the faint galaxies in the quasar field that are connected to two known absorbers at <math>z=0.38</math> and <math>z=0.78</math>. We choose the orientation such that the closest of those galaxies are not obstructed by the diffraction spikes in the quasar PSF.</i>									
	<b>Patterns</b>	#	Primary Pattern	Secondary Pattern	Exposures					
	(3)	Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-2)					
<b>Fixed Targets</b>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	J0152-2001	RA: 01 52 27.3400 (28.1139167d) Dec: -20 01 7.10 (-20.01864d) Equinox: J2000		V=17.4	Reference Frame: ICRS				
	<i>Comments:</i> Category=GALAXY Description=[OSO]									
<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F336W	(1) J0152-2001	WFC3/UVIS, ACCUM, UVIS1	F336W	FLASH=10		Pattern 3, Exps 1-2 in J0152-2001 (21) (3)	500 Secs (1148 Secs) [=>574.0 Secs (Pattern 1)] [=>574.0 Secs (Pattern 2)]	[1]
	2	F475W	(1) J0152-2001	WFC3/UVIS, ACCUM, UVIS1	F475W			Pattern 3, Exps 1-2 in J0152-2001 (21) (3)	500 Secs (1148 Secs) [=>574.0 Secs (Pattern 1)] [=>574.0 Secs (Pattern 2)]	[1]
<b>Orbit Structure</b>	<div style="display: flex; justify-content: space-between;"> <span><b>Orbit 1</b></span> <span><b>Server Version: 20200619</b></span> </div> <p>The diagram illustrates the orbit structure over a 6000-second period. Key events include:</p> <ul style="list-style-type: none"> <li><b>GS Acq:</b> Green box at approximately 400s.</li> <li><b>Exp. 1:</b> Blue hatched boxes at approximately 600s and 2400s.</li> <li><b>Exp. 2:</b> Blue hatched boxes at approximately 1000s and 2600s.</li> <li><b>Overhead:</b> Indicated by vertical arrows at various points.</li> <li><b>Pointing Maneuver:</b> Indicated by a vertical arrow at approximately 1700s.</li> <li><b>Occultation:</b> Indicated by a vertical arrow at approximately 3200s.</li> <li><b>Unused Orbital Visibility = 3:</b> A note indicating the remaining time after occultation.</li> </ul>									

Proposal 15939 - Q0420+0127 (02) - The stellar populations of gas-rich absorbing galaxies detected with VLT/MUSE and ALMA: the ...

Tue Sep 29 18:00:47 GMT 2020

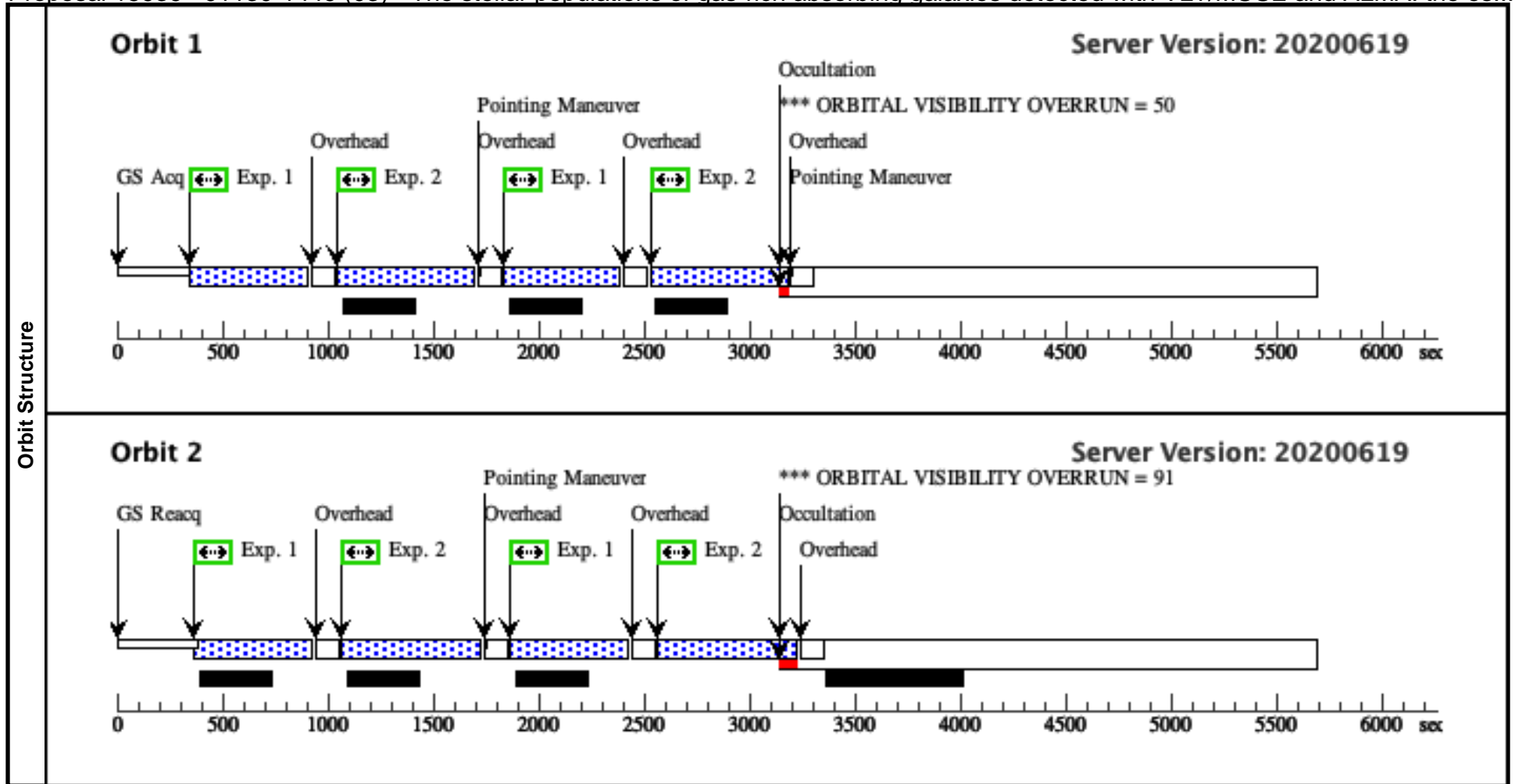
<b>Visit</b>	<b>Proposal 15939, Q0420+0127 (02), implementation</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 36D TO 46 D; ORIENT 216D TO 226 D; ORIENT 126D TO 136 D; ORIENT 306D TO 316 D <i>Comments: The science goal is to observe the faint galaxies in the quasar field that are connected to a known absorbers at z=0.63. We choose the orientation such that the closest of those galaxies are not obstructed by the diffraction spikes in the quasar PSF.</i>										
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			<b>Exposures</b>	
(1)		Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112		Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false					(1-2)		
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>	<b>Miscellaneous</b>			
	(2)	Q0420+0127	RA: 04 23 15.8000 (65.8158333d) Dec: -01 20 33.07 (-1.34252d) Equinox: J2000				V=17	Reference Frame: ICRS			
<i>Comments: Category=GALAXY Description=[OSO]</i>											
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time (Total)/[Actual Dur.]</b>		<b>Orbit</b>
	1	F336W	(2) Q0420+0127	WFC3/UVIS, ACCUM, UVIS1	F336W	FLASH=10		Pattern 1, Exps 1-2 in Q0420+0127 (02) (1)	500 Secs (2122 Secs)		
										[==>527.0 Secs (Pattern 1)]	[1]
										[==>527.0 Secs (Pattern 2)]	
										[==>534.0 Secs (Pattern 3)]	[2]
										[==>534.0 Secs (Pattern 4)]	
2	F475W	(2) Q0420+0127	WFC3/UVIS, ACCUM, UVIS1	F475W				Pattern 1, Exps 1-2 in Q0420+0127 (02) (1)	500 Secs (2216 Secs)		
									[==>554.0 Secs (Pattern 1)]	[1]	
									[==>554.0 Secs (Pattern 2)]		
									[==>554.0 Secs (Pattern 3)]	[2]	
									[==>554.0 Secs (Pattern 4)]		



Proposal 15939 - J1130-1449 (03) - The stellar populations of gas-rich absorbing galaxies detected with VLT/MUSE and ALMA: the es...

Tue Sep 29 18:00:47 GMT 2020

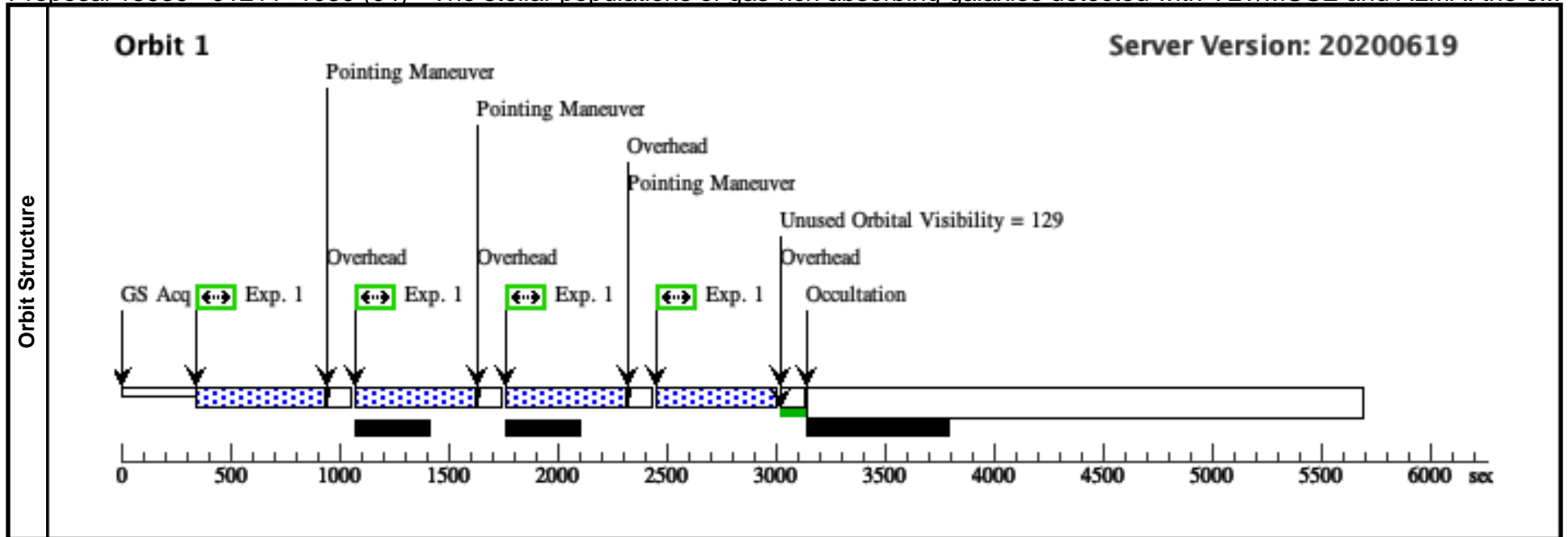
<b>Visit</b>	<b>Proposal 15939, J1130-1449 (03), completed</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 25D TO 35 D; ORIENT 115D TO 125 D; ORIENT 205D TO 215 D; ORIENT 295D TO 305 D <i>Comments: The science goal is to observe the faint galaxies in the quasar field that are connected to three known absorbers at <math>z=0.31</math>, <math>z=0.32</math> and <math>z=0.19</math>. We choose the orientation such that the closest of those galaxies are not obstructed by the diffraction spikes in the quasar PSF.</i>									
	(J1130-1449 (03)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (J1130-1449 (03)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
<b>Diagnosics</b>										
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>	<b>Secondary Pattern</b>	<b>Exposures</b>						
	(1)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112	Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false		(1-2)					
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(3)	J1130-1449	RA: 11 30 7.0400 (172.5293333d) Dec: -14 49 27.40 (-14.82428d) Equinox: J2000		V=16.9	Reference Frame: ICRS				
<i>Comments:                  Category=GALAXY                  Description=[OSO]</i>										
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time (Total)/[Actual Dur.]</b>	<b>Orbit</b>
	1	F336W	(3) J1130-1449	WFC3/UVIS, ACCUM, UVIS1	F336W	FLASH=10		Pattern 1, Exps 1-2 in J1130-1449 (03) (1)	500 Secs (2152 Secs)	
									[==>534.0 Secs (Pattern 1)]	[1]
									[==>534.0 Secs (Pattern 2)]	
									[==>542.0 Secs (Pattern 3)]	[2]
									[==>542.0 Secs (Pattern 4)]	
2	F438W	(3) J1130-1449	WFC3/UVIS, ACCUM, UVIS1	F438W	FLASH=7			Pattern 1, Exps 1-2 in J1130-1449 (03) (1)	600 Secs (2552 Secs)	
									[==>634.0 Secs (Pattern 1)]	[1]
									[==>634.0 Secs (Pattern 2)]	
									[==>642.0 Secs (Pattern 3)]	[2]
									[==>642.0 Secs (Pattern 4)]	



Proposal 15939 - J1211+1030 (04) - The stellar populations of gas-rich absorbing galaxies detected with VLT/MUSE and ALMA: the e...

Tue Sep 29 18:00:47 GMT 2020

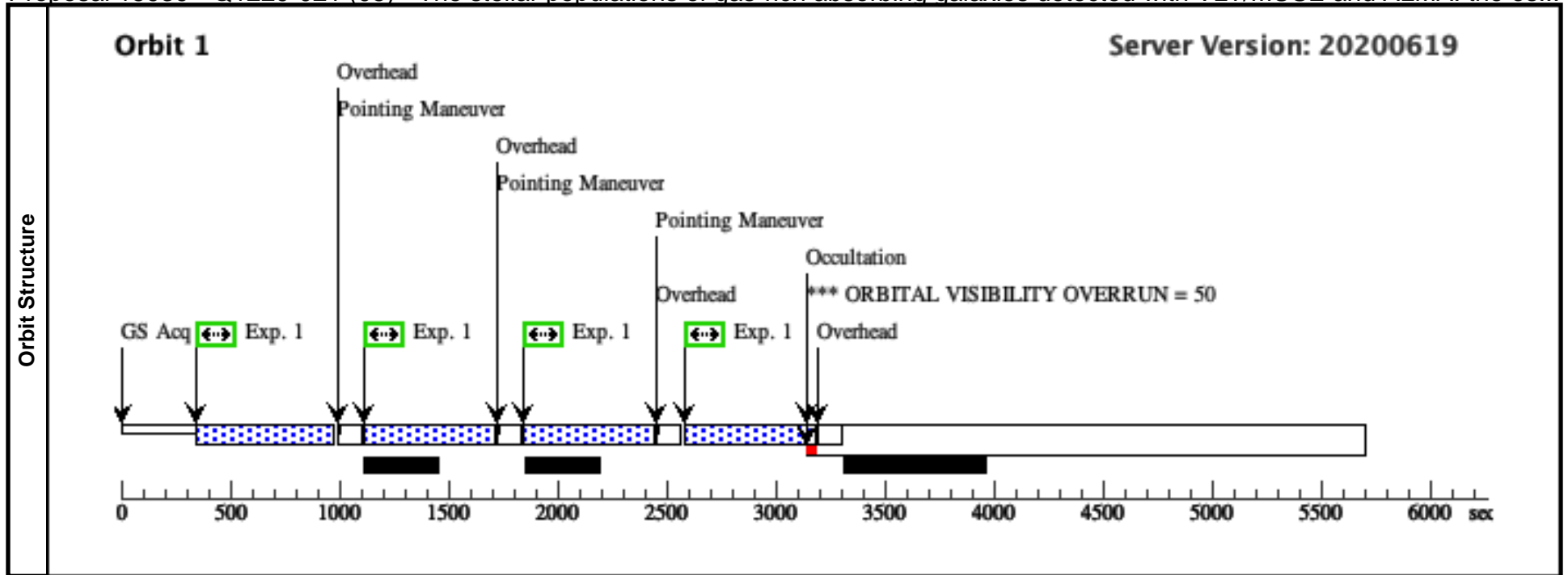
<b>Visit</b>	<b>Proposal 15939, J1211+1030 (04), implementation</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 38D TO 48 D; ORIENT 128D TO 138 D; ORIENT 218D TO 228 D; ORIENT 308D TO 318 D Comments: <i>The science goal is to observe the faint galaxies in the quasar field that are connected to two known absorbers at <math>z=0.39</math> and <math>z=0.63</math>. We choose the orientation such that the closest of those galaxies are not obstructed by the diffraction spikes in the quasar PSF.</i>										
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			<b>Exposures</b>	
(1)		Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112		Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false					(1)		
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>	<b>Miscellaneous</b>			
	(4)	J1211+1030	RA: 12 11 40.5900 (182.9191250d) Dec: +10 30 2.00 (10.50056d) Equinox: J2000				V=18.37	Reference Frame: ICRS			
Comments: Category=GALAXY Description=[OSO]											
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time (Total)/[Actual Dur.]</b>		<b>Orbit</b>
	1	F336W	(4) J1211+1030	WFC3/UVIS, ACCUM, UVIS1	F336W	FLASH=10		Pattern 1, Exps 1-1 in J1211+1030 (04) (1)	500 Secs (2224 Secs) [==>556 Secs (Pattern 1)] [==>556 Secs (Pattern 2)] [==>556 Secs (Pattern 3)] [==>556 Secs (Pattern 4)]		[1]



Proposal 15939 - Q1229-021 (05) - The stellar populations of gas-rich absorbing galaxies detected with VLT/MUSE and ALMA: the es...

Tue Sep 29 18:00:47 GMT 2020

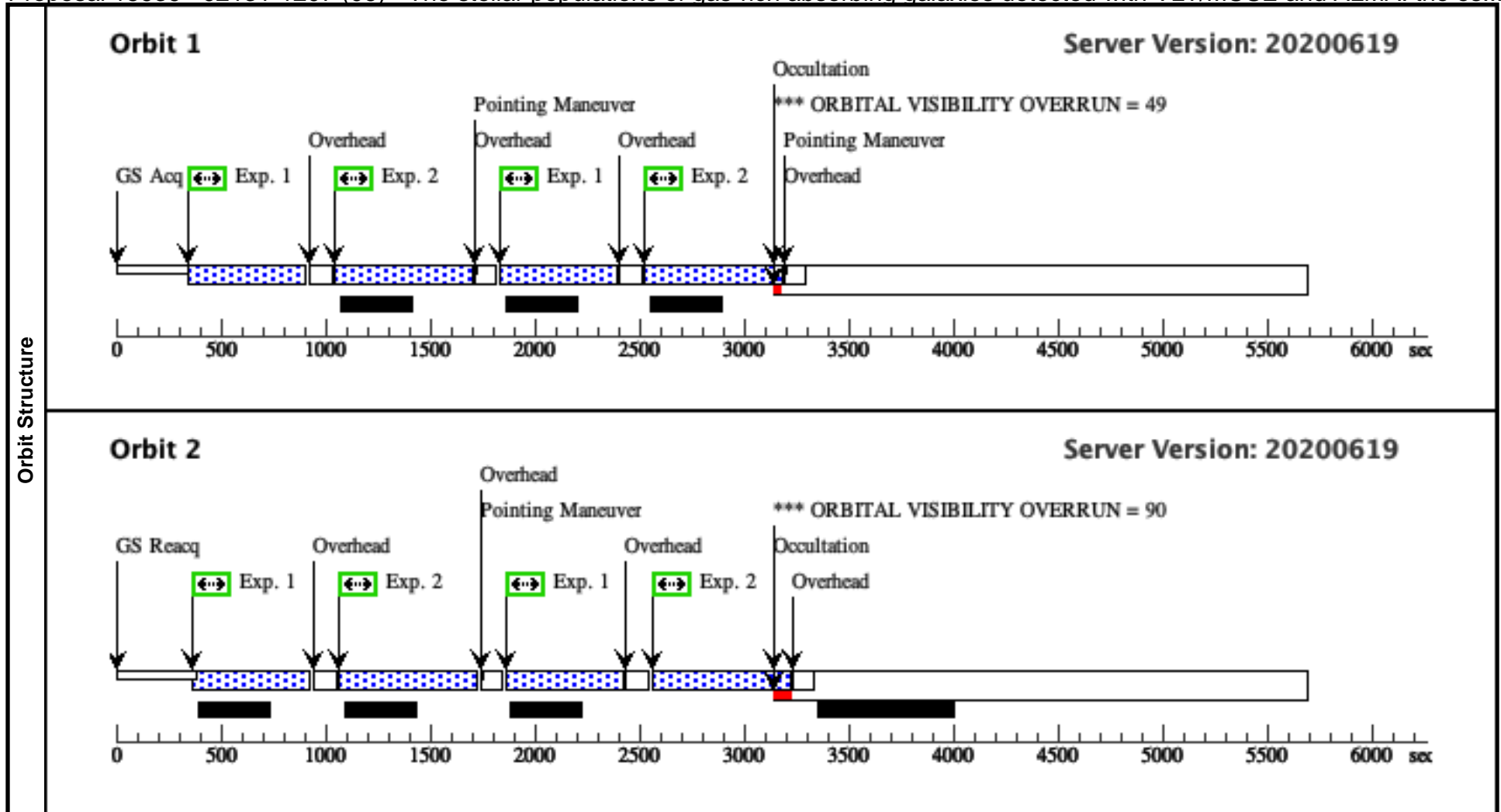
<b>Visit</b>	<b>Proposal 15939, Q1229-021 (05), completed</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 36D TO 46 D; ORIENT 126D TO 136 D; ORIENT 216D TO 226 D; ORIENT 306D TO 316 D <i>Comments: The science goal is to observe the faint galaxies in the quasar field that are connected to a known absorbers at z=0.39. We choose the orientation such that the closest of those galaxies are not obstructed by the diffraction spikes in the quasar PSF.</i>									
	(Q1229-021 (05)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
<b>Diagnosics</b>										
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>	<b>Secondary Pattern</b>	<b>Exposures</b>						
	(1)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112	Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false		(1)					
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(5)	Q1229-021	RA: 12 32 0.0100 (188.0000417d) Dec: -02 24 4.80 (-2.40133d) Equinox: J2000		V=17.06	Reference Frame: ICRS				
<i>Comments:                  Category=GALAXY                  Description=[QSO]</i>										
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time (Total)/[Actual Dur.]</b>	<b>Orbit</b>
	1	F336W	(5) Q1229-021	WFC3/UVIS, ACCUM, UVIS1	F336W	FLASH=10		Pattern 1, Exps 1-1 in Q1229-021 (05) (1)	500 Secs (2396 Secs) [==>599.0 Secs (Pattern 1)] [==>599.0 Secs (Pattern 2)] [==>599.0 Secs (Pattern 3)] [==>599.0 Secs (Pattern 4)]	[1]



Proposal 15939 - J2131-1207 (06) - The stellar populations of gas-rich absorbing galaxies detected with VLT/MUSE and ALMA: the es...

Tue Sep 29 18:00:47 GMT 2020

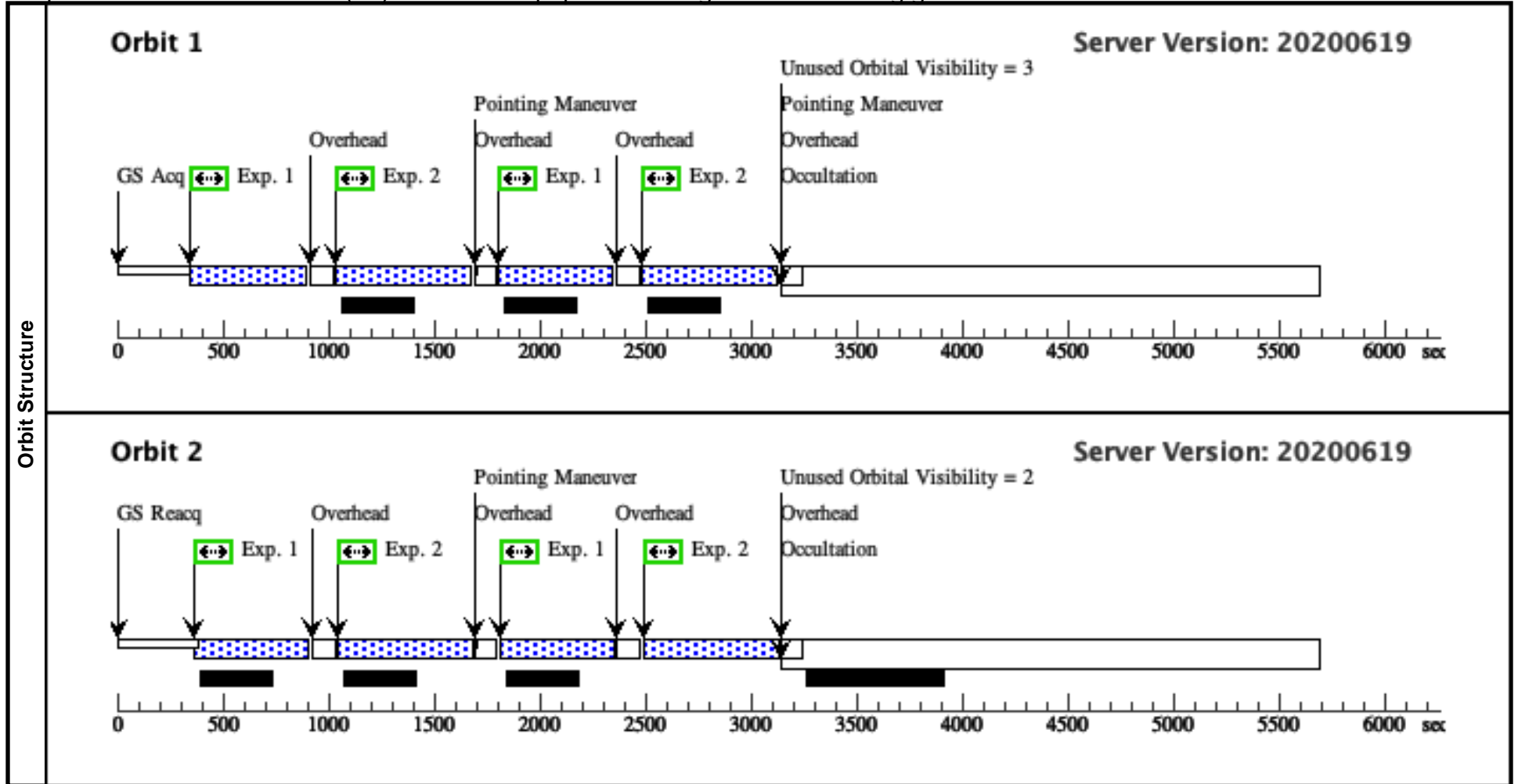
<b>Visit</b>	<p><b>Proposal 15939, J2131-1207 (06), failed</b></p> <p><b>Diagnostic Status: Warning</b></p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: ORIENT 356D TO 6 D; ORIENT 86D TO 96 D; ORIENT 176D TO 186 D; ORIENT 266D TO 276 D</p> <p><i>Comments: The science goal is to observe the faint galaxies in the quasar field that are connected to a known absorbers at z=0.43. We choose the orientation such that the closest of those galaxies are not obstructed by the diffraction spikes in the quasar PSF.</i></p>									
	<p>(J2131-1207 (06)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p> <p>(J2131-1207 (06)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p>									
<b>Diagnosics</b>										
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>	<b>Secondary Pattern</b>	<b>Exposures</b>						
	(1)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112	Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false		(1-2)					
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(6)	J2131-1207	RA: 21 31 35.2600 (322.8969167d) Dec: -12 07 4.80 (-12.11800d) Equinox: J2000		V=16.11	Reference Frame: ICRS				
<p><i>Comments:</i>                  Category=GALAXY                  Description=[OSO]</p>										
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time (Total)/[Actual Dur.]</b>	<b>Orbit</b>
	1	F336W	(6) J2131-1207	WFC3/UVIS, ACCUM, UVIS1	F336W	FLASH=10		Pattern 1, Exps 1-2 in J2131-1207 (06) (1)	500 Secs (2156 Secs)	
									[==>535.0 Secs (Pattern 1)]	[1]
									[==>535.0 Secs (Pattern 2)]	
									[==>543.0 Secs (Pattern 3)]	[2]
									[==>543.0 Secs (Pattern 4)]	
2	F475W	(6) J2131-1207	WFC3/UVIS, ACCUM, UVIS1	F475W				Pattern 1, Exps 1-2 in J2131-1207 (06) (1)	600 Secs (2556 Secs)	
									[==>635.0 Secs (Pattern 1)]	[1]
									[==>635.0 Secs (Pattern 2)]	
									[==>643.0 Secs (Pattern 3)]	[2]
									[==>643.0 Secs (Pattern 4)]	



Proposal 15939 - J2131-1207 (22) - The stellar populations of gas-rich absorbing galaxies detected with VLT/MUSE and ALMA: the es...

Tue Sep 29 18:00:47 GMT 2020

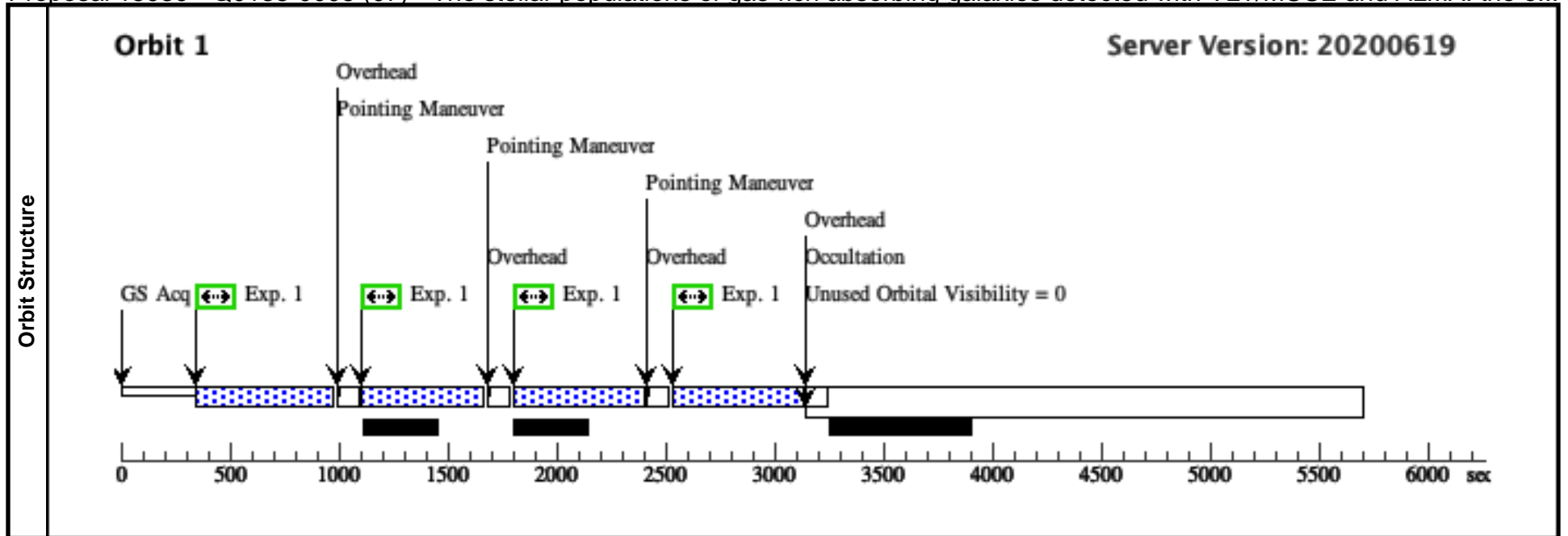
<b>Visit</b>	<b>Proposal 15939, J2131-1207 (22)</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 356D TO 6 D; ORIENT 86D TO 96 D; ORIENT 176D TO 186 D; ORIENT 266D TO 276 D <i>Comments: The science goal is to observe the faint galaxies in the quasar field that are connected to a known absorbers at z=0.43. We choose the orientation such that the closest of those galaxies are not obstructed by the diffraction spikes in the quasar PSF.</i>											
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			<b>Exposures</b>		
(1)		Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112		Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false					(1-2)			
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>	<b>Miscellaneous</b>				
	(6)	J2131-1207	RA: 21 31 35.2600 (322.8969167d) Dec: -12 07 4.80 (-12.11800d) Equinox: J2000				V=16.11	Reference Frame: ICRS				
<i>Comments: Category=GALAXY Description=[OSO]</i>												
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time (Total)/[Actual Dur.]</b>		<b>Orbit</b>	
	1	F336W	(6) J2131-1207	WFC3/UVIS, ACCUM, UVIS1	F336W	FLASH=10		Pattern 1, Exps 1-2 in J2131-1207 (22) (1)	500 Secs (2084 Secs)			
									[==>522.0 Secs (Pattern 1)]		[1]	
									[==>522.0 Secs (Pattern 2)]			
									[==>520.0 Secs (Pattern 3)]		[2]	
									[==>520.0 Secs (Pattern 4)]			
2	F475W	(6) J2131-1207	WFC3/UVIS, ACCUM, UVIS1	F475W			Pattern 1, Exps 1-2 in J2131-1207 (22) (1)	600 Secs (2484 Secs)				
								[==>622.0 Secs (Pattern 1)]		[1]		
								[==>622.0 Secs (Pattern 2)]				
								[==>620.0 Secs (Pattern 3)]		[2]		
								[==>620.0 Secs (Pattern 4)]				



Proposal 15939 - Q0138-0005 (07) - The stellar populations of gas-rich absorbing galaxies detected with VLT/MUSE and ALMA: the e...

Tue Sep 29 18:00:47 GMT 2020

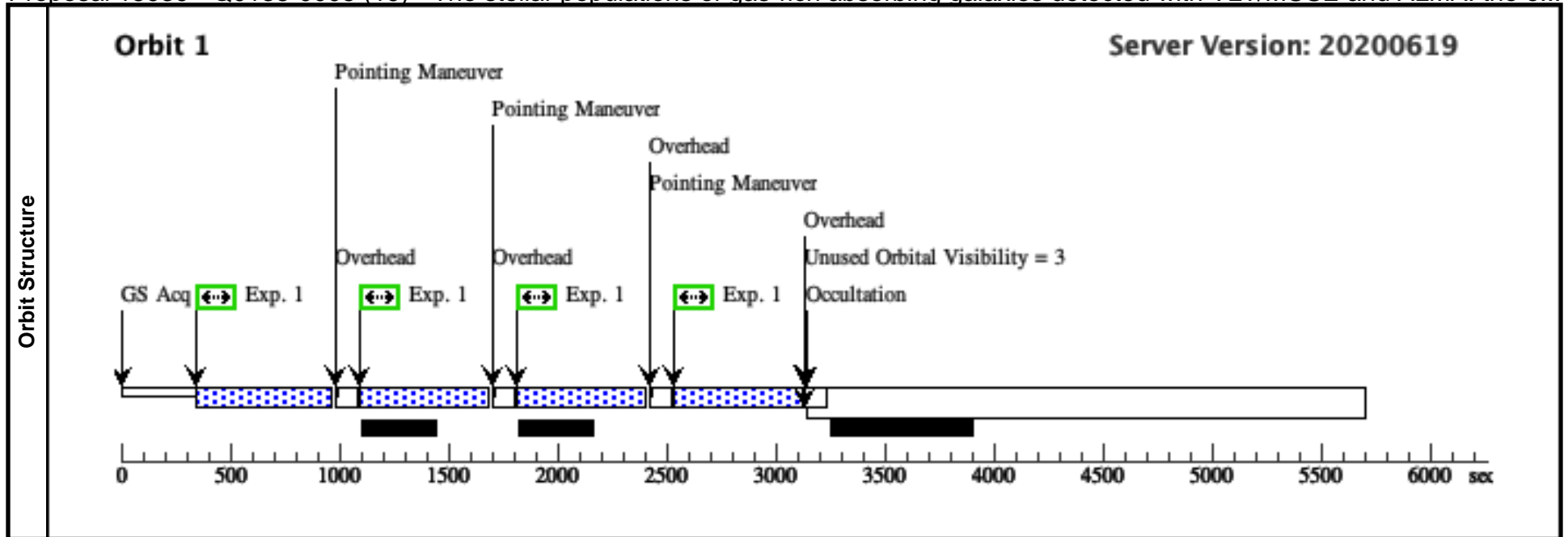
<b>Visit</b>	<b>Proposal 15939, Q0138-0005 (07), scheduling</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 50D TO 72 D; ORIENT 140D TO 162 D; ORIENT 230D TO 252 D; ORIENT 320D TO 342 D Comments: <i>The science goal is to observe the faint galaxies in the quasar field that are connected to a known absorbers at z=0.78. We choose the orientation such that the closest of those galaxies are not obstructed by the diffraction spikes in the quasar PSF.</i>										
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			<b>Exposures</b>	
(1)		Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112		Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false					(1)		
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>		<b>Miscellaneous</b>		
	(7)	Q0138-0005	RA: 01 38 25.4980 (24.6062417d) Dec: -00 05 33.97 (-.09277d) Equinox: J2000				V=18.76		Reference Frame: ICRS		
Comments: Category=GALAXY Description=[OSO]											
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time (Total)/[Actual Dur.]</b>		<b>Orbit</b>
	1	F475W	(7) Q0138-0005	WFC3/UVIS, ACCUM, UVIS1	F475W			Pattern 1, Exps 1-1 in Q0138-0005 (07) (1)	600 Secs (2367 Secs) [==>(Pattern 1)] [==>567.0 Secs (Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]



Proposal 15939 - Q0138-0005 (19) - The stellar populations of gas-rich absorbing galaxies detected with VLT/MUSE and ALMA: the e...

Tue Sep 29 18:00:47 GMT 2020

<b>Visit</b>	<b>Proposal 15939, Q0138-0005 (19), scheduling</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 50D TO 72 D; ORIENT 140D TO 162 D; ORIENT 230D TO 252 D; ORIENT 320D TO 342 D <i>Comments: The science goal is to observe the faint galaxies in the quasar field that are connected to a known absorbers at z=0.78. We choose the orientation such that the closest of those galaxies are not obstructed by the diffraction spikes in the quasar PSF.</i>										
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>				<b>Secondary Pattern</b>			<b>Exposures</b>	
(1)		Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112		Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false					(1)		
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>		<b>Targ. Coord. Corrections</b>		<b>Fluxes</b>		<b>Miscellaneous</b>		
	(7)	Q0138-0005	RA: 01 38 25.4980 (24.6062417d) Dec: -00 05 33.97 (-.09277d) Equinox: J2000				V=18.76		Reference Frame: ICRS		
<i>Comments: Category=GALAXY Description=[OSO]</i>											
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time (Total)/[Actual Dur.]</b>		<b>Orbit</b>
	1	F625W	(7) Q0138-0005	WFC3/UVIS, ACCUM, UVIS1	F625W			Pattern 1, Exps 1-1 in Q0138-0005 (19) (1)	500 Secs (2364 Secs) [==>591.0 Secs (Pattern 1)] [==>591.0 Secs (Pattern 2)] [==>591.0 Secs (Pattern 3)] [==>591.0 Secs (Pattern 4)]		[1]



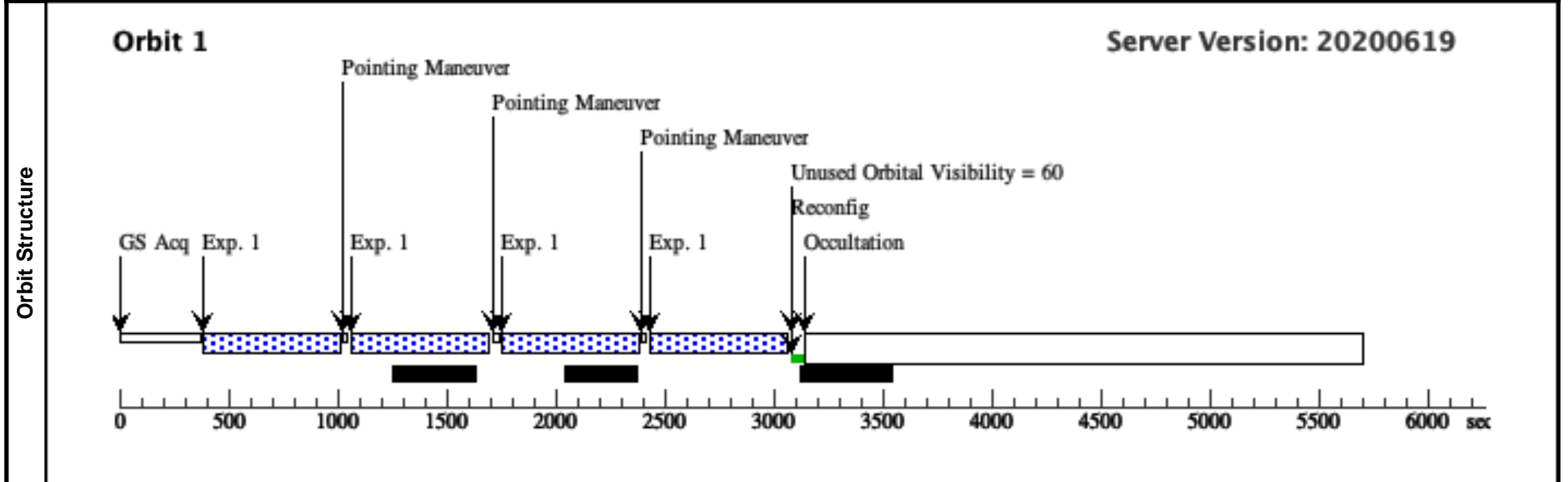
<b>Visit</b>	<b>Proposal 15939, Q0138-0005 (20), scheduling</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: ORIENT 50D TO 72 D; ORIENT 140D TO 162 D; ORIENT 230D TO 252 D; ORIENT 320D TO 342 D Comments: <i>The science goal is to observe the faint galaxies in the quasar field that are connected to a known absorbers at z=0.78. We choose the orientation such that the closest of those galaxies are not obstructed by the diffraction spikes in the quasar PSF.</i>		

<b>Patterns</b>	#	<b>Primary Pattern</b>	<b>Secondary Pattern</b>	<b>Exposures</b>
	(2)	Pattern Type=WFC3-IR-DITHER-BOX-UVIS Purpose=DITHER Number Of Points=4 Point Spacing=23.02 Line Spacing=35.212	Coordinate Frame=POS-TARG Pattern Orientation=0.713 Angle Between Sides=89.287 Center Pattern=true	(1)

<b>Fixed Targets</b>	#	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>
	(7)	Q0138-0005	RA: 01 38 25.4980 (24.6062417d) Dec: -00 05 33.97 (-.09277d) Equinox: J2000		V=18.76	Reference Frame: ICRS

Comments:  
Category=GALAXY  
Description=[QSO]

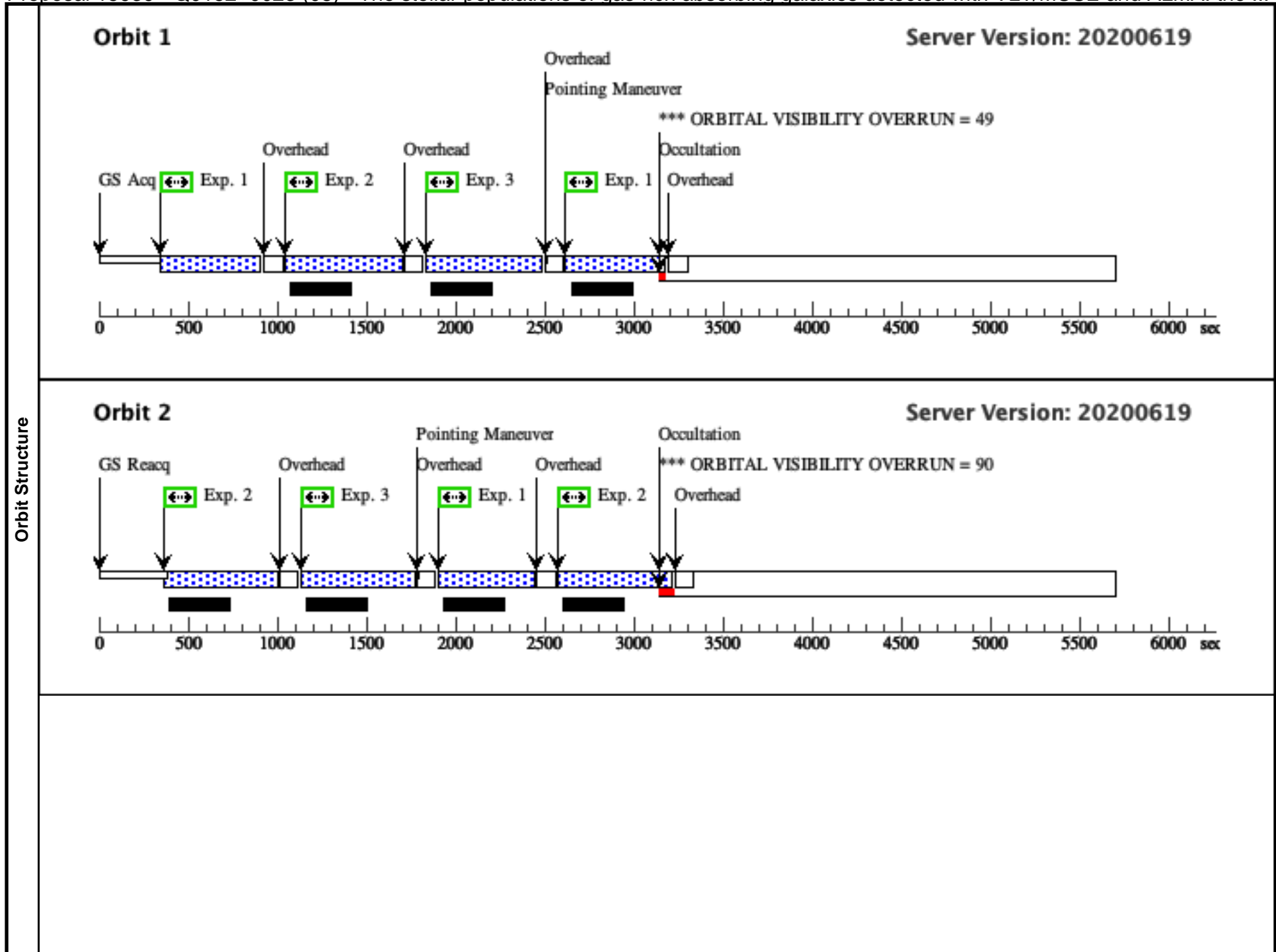
<b>Exposures</b>	#	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time (Total)/[Actual Dur.]</b>	<b>Orbit</b>
	1	F105W	(7) Q0138-0005	WFC3/IR, MULTIACCUM, IR	F105W	SAMP-SEQ=SPARS 50; NSAMP=13		Pattern 2, Exps 1-1 in Q0138-0005 (20) (2)	602.937703 Secs (2411.751 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]

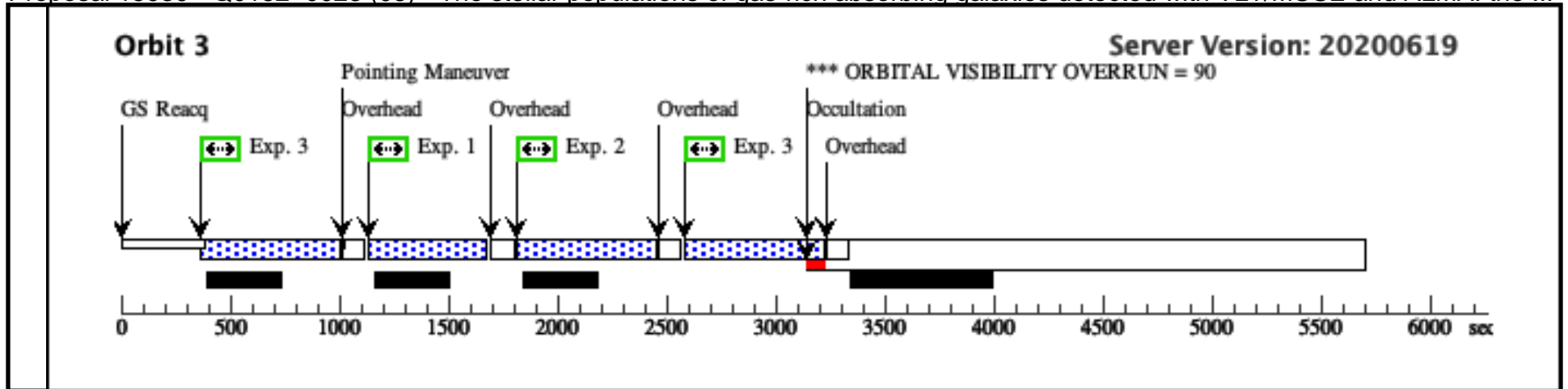


Proposal 15939 - Q0152+0023 (08) - The stellar populations of gas-rich absorbing galaxies detected with VLT/MUSE and ALMA: the ...

Tue Sep 29 18:00:47 GMT 2020

<b>Visit</b>	<b>Proposal 15939, Q0152+0023 (08), implementation</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 110D TO 130 D; ORIENT 20D TO 40 D; ORIENT 200D TO 220 D; ORIENT 290D TO 310 D <i>Comments: The science goal is to observe the faint galaxies in the quasar field that are connected to a known absorbers at z=0.48. We choose the orientation such that the closest of those galaxies are not obstructed by the diffraction spikes in the quasar PSF.</i>									
	<b>Diagnosics</b> (Q0152+0023 (08)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Q0152+0023 (08)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Q0152+0023 (08)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>		<b>Secondary Pattern</b>	<b>Exposures</b>					
	(1)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112		Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false	(1-3)					
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(8)	Q0152+0023	RA: 01 52 49.6870 (28.2070292d) Dec: +00 23 14.60 (.38739d) Equinox: J2000		V=17.87	Reference Frame: ICRS				
<i>Comments:                  Category=GALAXY                  Description=[QSO]</i>										
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time (Total)/[Actual Dur.]</b>	<b>Orbit</b>
	1	F336W	(8) Q0152+0023	WFC3/UVIS, ACCUM, UVIS1	F336W	FLASH=10		Pattern 1, Exps 1-3 in Q0152+0023 (08) (1)	500 Secs (2106 Secs)	
									[==>535.0 Secs (Pattern 1)]	[1]
									[==>535.0 Secs (Pattern 2)]	
									[==>518.0 Secs (Pattern 3)]	[2]
									[==>518.0 Secs (Pattern 4)]	[3]
	2	F475W	(8) Q0152+0023	WFC3/UVIS, ACCUM, UVIS1	F475W			Pattern 1, Exps 1-3 in Q0152+0023 (08) (1)	600 Secs (2489 Secs)	
									[==>635.0 Secs (Pattern 1)]	[1]
									[==>618.0 Secs (Pattern 2)]	[2]
									[==>618.0 Secs (Pattern 3)]	[3]
								[==>618.0 Secs (Pattern 4)]		
3	F814W	(8) Q0152+0023	WFC3/UVIS, ACCUM, UVIS1	F814W				Pattern 1, Exps 1-3 in Q0152+0023 (08) (1)	600 Secs (2489 Secs)	
								[==>635.0 Secs (Pattern 1)]	[1]	
								[==>618.0 Secs (Pattern 2)]	[2]	
								[==>618.0 Secs (Pattern 3)]	[3]	
								[==>618.0 Secs (Pattern 4)]		

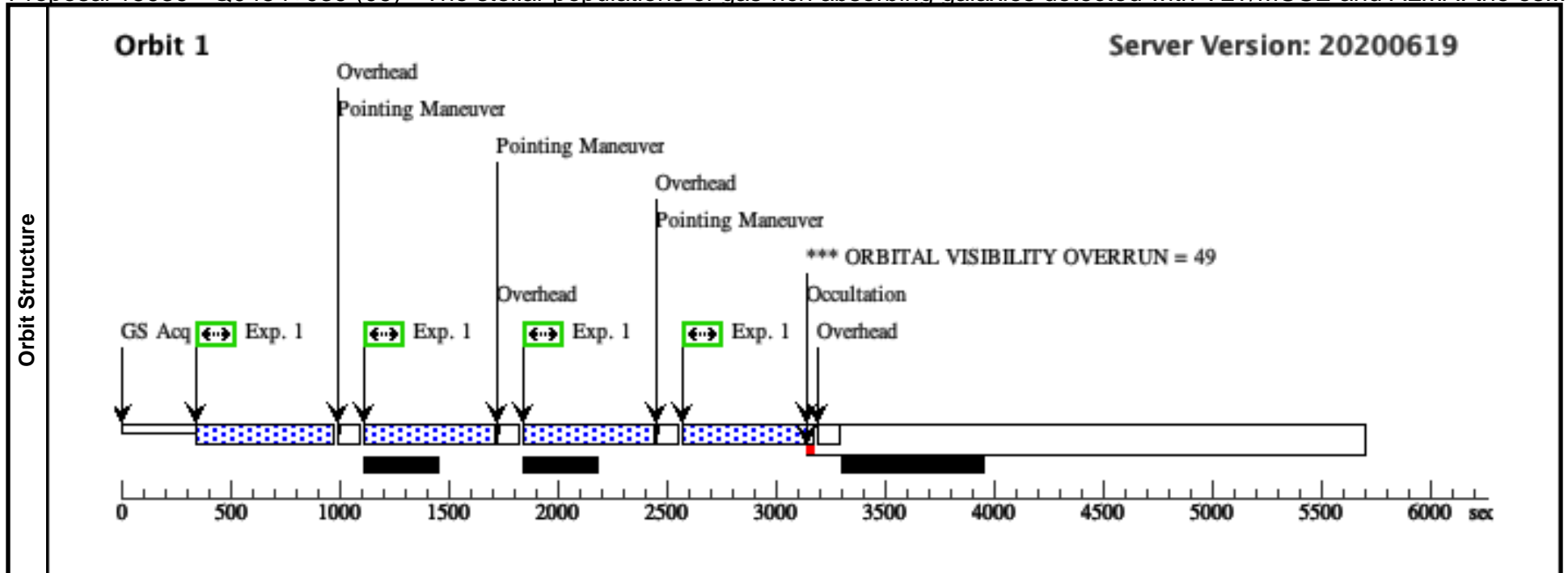




Proposal 15939 - Q0454+039 (09) - The stellar populations of gas-rich absorbing galaxies detected with VLT/MUSE and ALMA: the es...

Tue Sep 29 18:00:47 GMT 2020

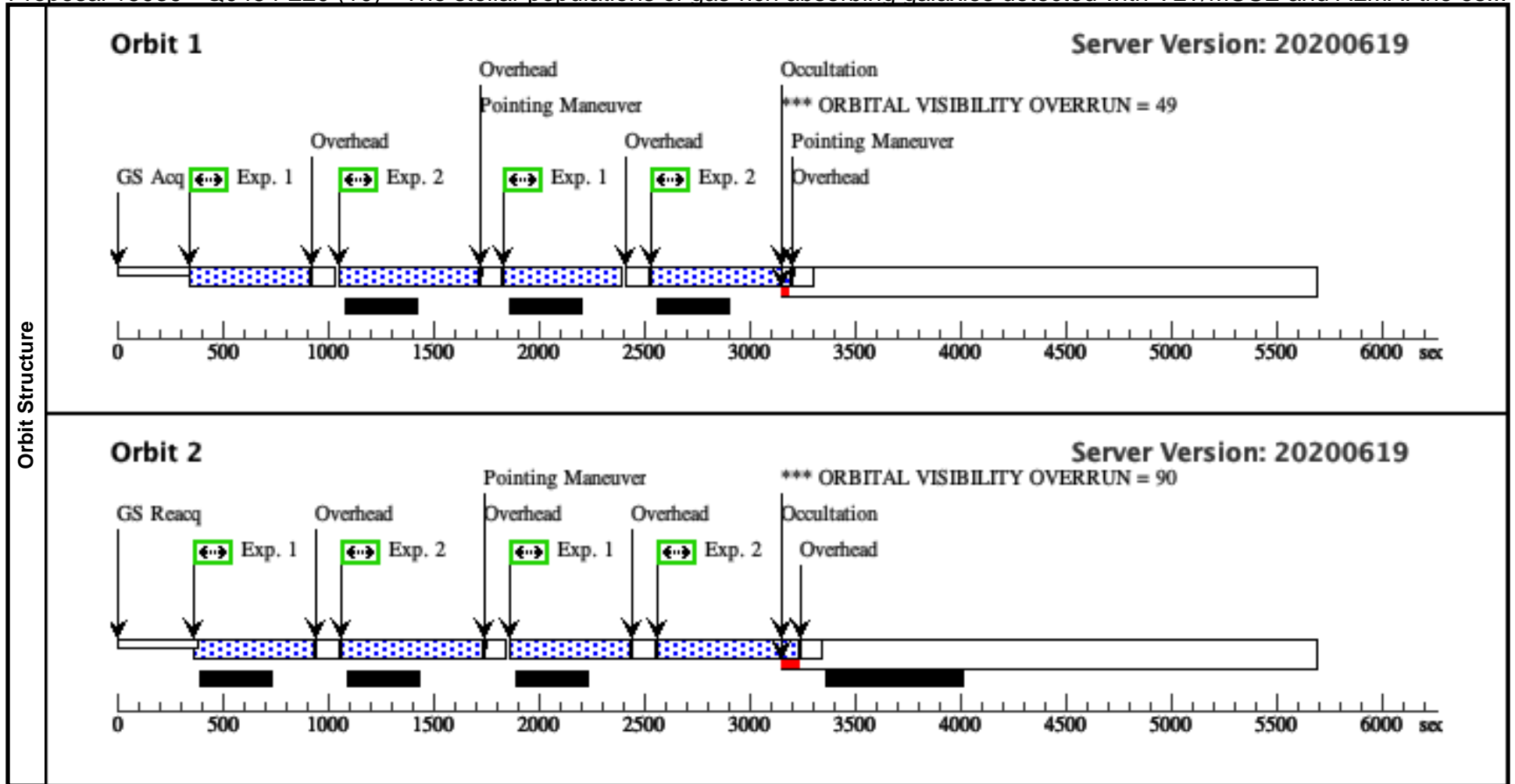
<b>Visit</b>	<b>Proposal 15939, Q0454+039 (09), implementation</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 36D TO 46 D; ORIENT 126D TO 136 D; ORIENT 216D TO 226 D; ORIENT 306D TO 316 D <i>Comments: The science goal is to observe the faint galaxies in the quasar field that are connected to two known absorbers at <math>z=0.86</math> and <math>z=1.15</math>. We choose the orientation such that the closest of those galaxies are not obstructed by the diffraction spikes in the quasar PSF.</i>									
	(Q0454+039 (09)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
<b>Diagnosics</b>										
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>	<b>Secondary Pattern</b>	<b>Exposures</b>						
	(1)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112	Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false		(1)					
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(9)	Q0454+039	RA: 04 56 47.1740 (74.1965583d) Dec: +04 00 52.94 (4.01471d) Equinox: J2000		V=16.53	Reference Frame: ICRS				
<i>Comments:                  Category=GALAXY                  Description=[QSO]</i>										
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time (Total)/[Actual Dur.]</b>	<b>Orbit</b>
	1	F625W	(9) Q0454+039	WFC3/UVIS, ACCUM, UVIS1	F625W			Pattern 1, Exps 1-1 in Q0454+039 (09) (1)	500 Secs (2416 Secs) [==>604.0 Secs (Pattern 1)] [==>604.0 Secs (Pattern 2)] [==>604.0 Secs (Pattern 3)] [==>604.0 Secs (Pattern 4)]	[1]



Proposal 15939 - Q0454-220 (10) - The stellar populations of gas-rich absorbing galaxies detected with VLT/MUSE and ALMA: the es...

Tue Sep 29 18:00:47 GMT 2020

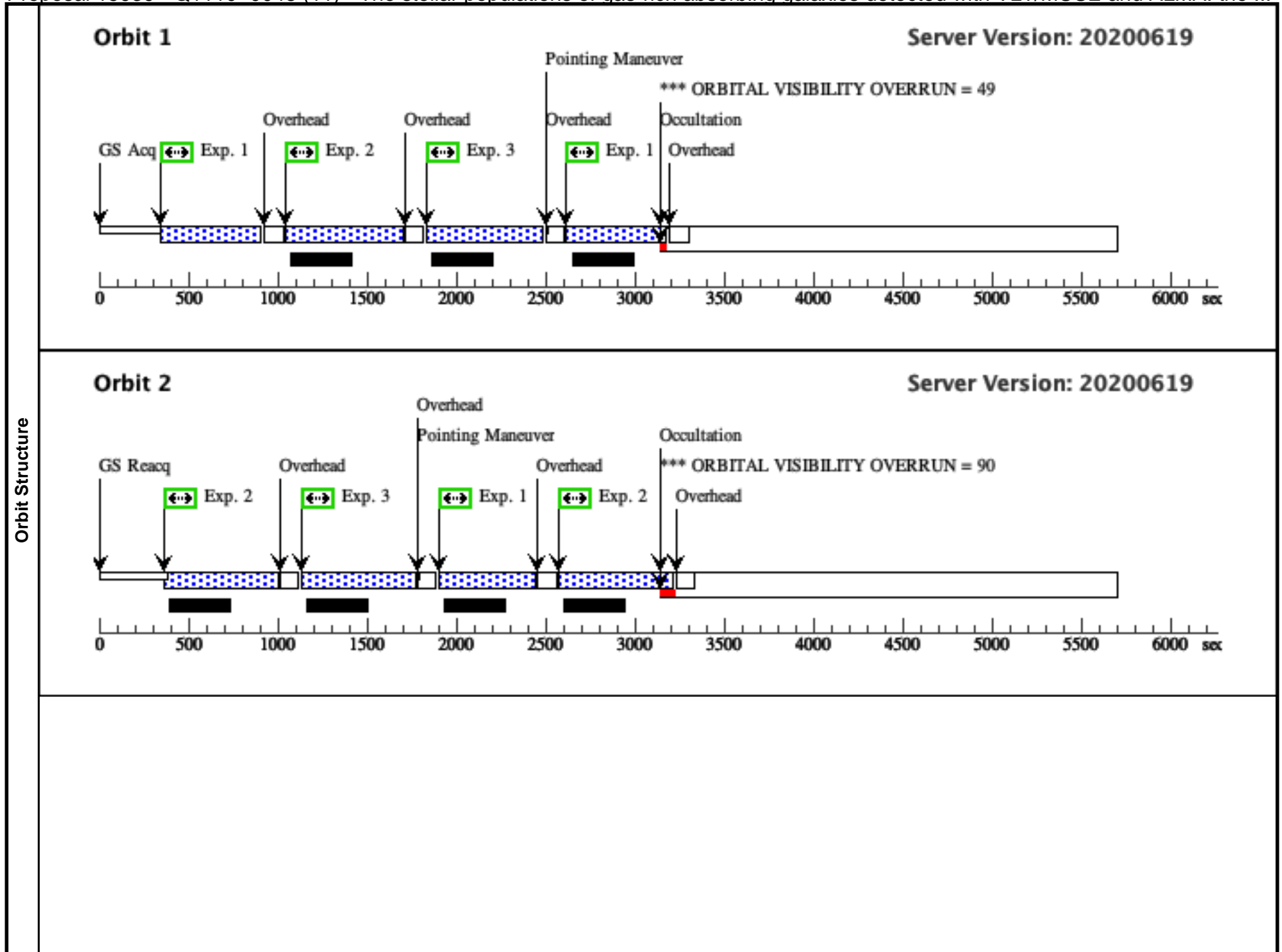
<b>Visit</b>	<b>Proposal 15939, Q0454-220 (10), completed</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 66D TO 76 D; ORIENT 156D TO 166 D; ORIENT 246D TO 256 D; ORIENT 336D TO 346 D <i>Comments: The science goal is to observe the faint galaxies in the quasar field that are connected to two known absorbers at <math>z=0.47</math> and <math>z=0.48</math>. We choose the orientation such that the closest of those galaxies are not obstructed by the diffraction spikes in the quasar PSF.</i>									
	(Q0454-220 (10)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Q0454-220 (10)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
<b>Diagnosics</b>										
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>	<b>Secondary Pattern</b>	<b>Exposures</b>						
	(1)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112	Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false		(1-2)					
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(10)	Q0454-220	RA: 04 56 8.9270 (74.0371958d) Dec: -21 59 9.60 (-21.98600d) Equinox: J2000		V=16.1	Reference Frame: ICRS				
<i>Comments: Category=GALAXY Description=[QSO]</i>										
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time (Total)/[Actual Dur.]</b>	<b>Orbit</b>
	1	F336W	(10) Q0454-220	WFC3/UVIS, ACCUM, UVIS1	F336W	FLASH=10		Pattern 1, Exps 1-2 in Q0454-220 (10) (1)	500 Secs (2164 Secs)	
									[==>537.0 Secs (Pattern 1)]	[1]
									[==>537.0 Secs (Pattern 2)]	
									[==>545.0 Secs (Pattern 3)]	[2]
									[==>545.0 Secs (Pattern 4)]	
2	F475W	(10) Q0454-220	WFC3/UVIS, ACCUM, UVIS1	F475W				Pattern 1, Exps 1-2 in Q0454-220 (10) (1)	600 Secs (2564 Secs)	
									[==>637.0 Secs (Pattern 1)]	[1]
									[==>637.0 Secs (Pattern 2)]	
									[==>645.0 Secs (Pattern 3)]	[2]
									[==>645.0 Secs (Pattern 4)]	

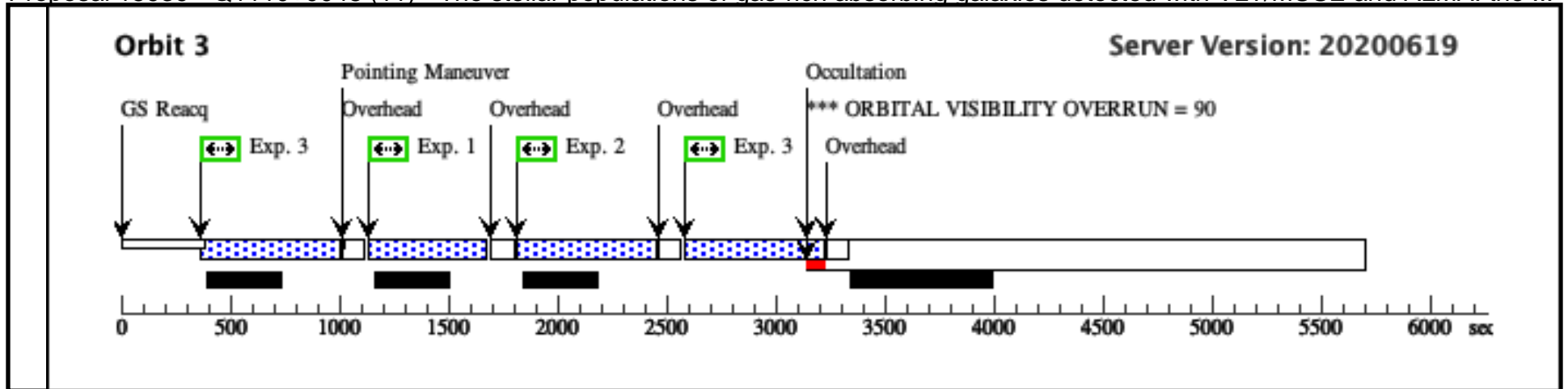


Proposal 15939 - Q1110+0048 (11) - The stellar populations of gas-rich absorbing galaxies detected with VLT/MUSE and ALMA: the ...

Tue Sep 29 18:00:47 GMT 2020

<b>Visit</b>	<b>Proposal 15939, Q1110+0048 (11), failed</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none) <i>Comments: The science goal is to observe the faint galaxies in the quasar field that are connected to a known absorbers at <math>z=0.74</math>.</i>									
	<b>Diagnosics</b> (Q1110+0048 (11)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Q1110+0048 (11)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Q1110+0048 (11)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>		<b>Secondary Pattern</b>	<b>Exposures</b>					
	(1)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112	Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false		(1-3)					
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(11)	Q1110+0048	RA: 11 10 55.0000 (167.7291667d) Dec: +00 48 54.40 (.81511d) Equinox: J2000		V=18.68	Reference Frame: ICRS				
<i>Comments:</i> Category=GALAXY Description=[OSQ]										
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time (Total)/[Actual Dur.]</b>	<b>Orbit</b>
	1	F336W	(11) Q1110+0048	WFC3/UVIS, ACCUM, UVIS1	F336W	FLASH=10		Pattern 1, Exps 1-3 in Q1110+0048 (11) (1)	500 Secs (2106 Secs)	
									[==>535.0 Secs (Pattern 1)]	[1]
									[==>535.0 Secs (Pattern 2)]	[2]
									[==>518.0 Secs (Pattern 3)]	[3]
									[==>518.0 Secs (Pattern 4)]	[3]
	2	F475W	(11) Q1110+0048	WFC3/UVIS, ACCUM, UVIS1	F475W			Pattern 1, Exps 1-3 in Q1110+0048 (11) (1)	600 Secs (2489 Secs)	
									[==>635.0 Secs (Pattern 1)]	[1]
									[==>618.0 Secs (Pattern 2)]	[2]
									[==>618.0 Secs (Pattern 3)]	[3]
									[==>618.0 Secs (Pattern 4)]	[3]
	3	F814W	(11) Q1110+0048	WFC3/UVIS, ACCUM, UVIS1	F814W			Pattern 1, Exps 1-3 in Q1110+0048 (11) (1)	600 Secs (2489 Secs)	
									[==>635.0 Secs (Pattern 1)]	[1]
								[==>618.0 Secs (Pattern 2)]	[2]	
								[==>618.0 Secs (Pattern 3)]	[3]	
								[==>618.0 Secs (Pattern 4)]	[3]	



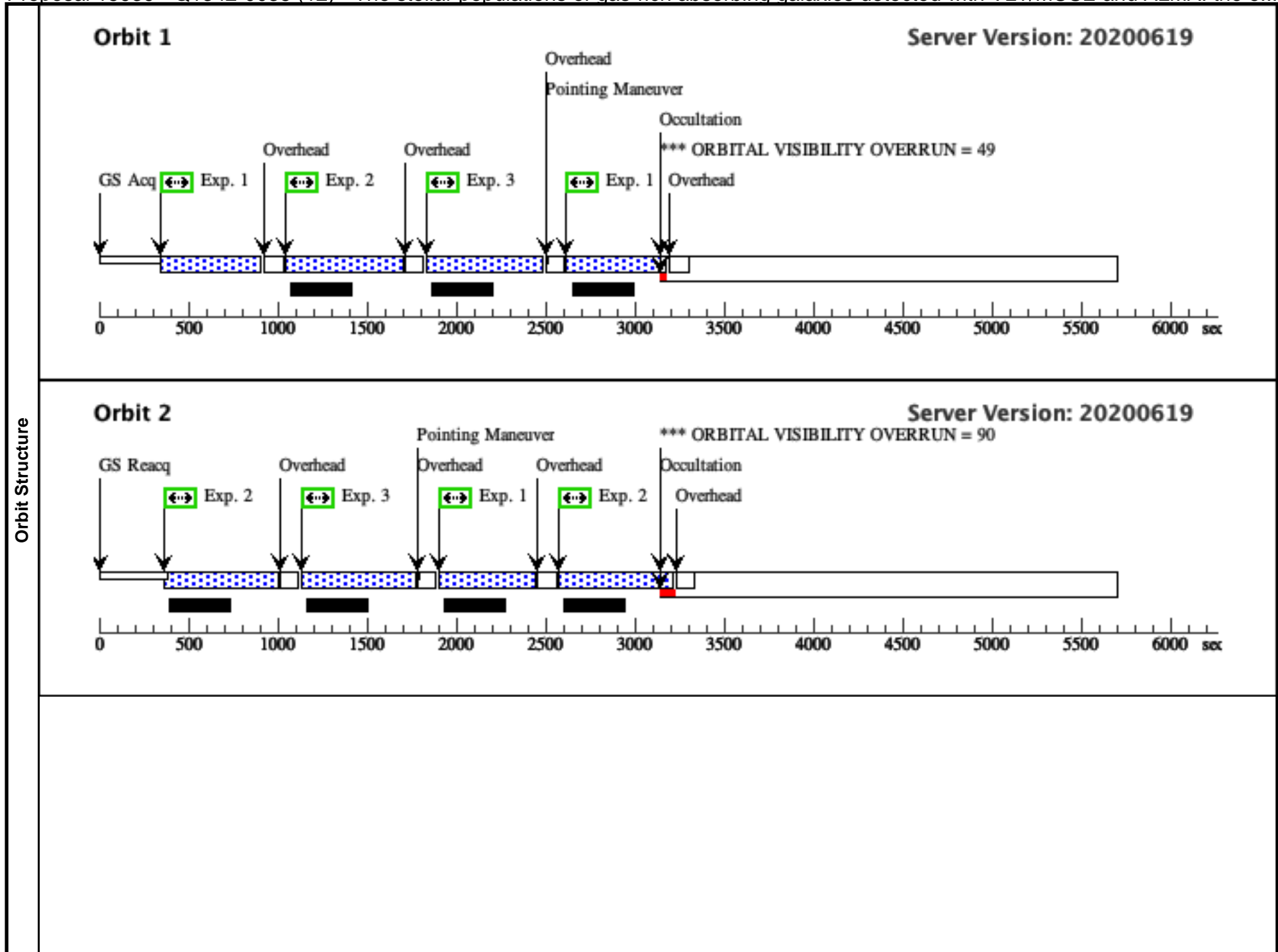


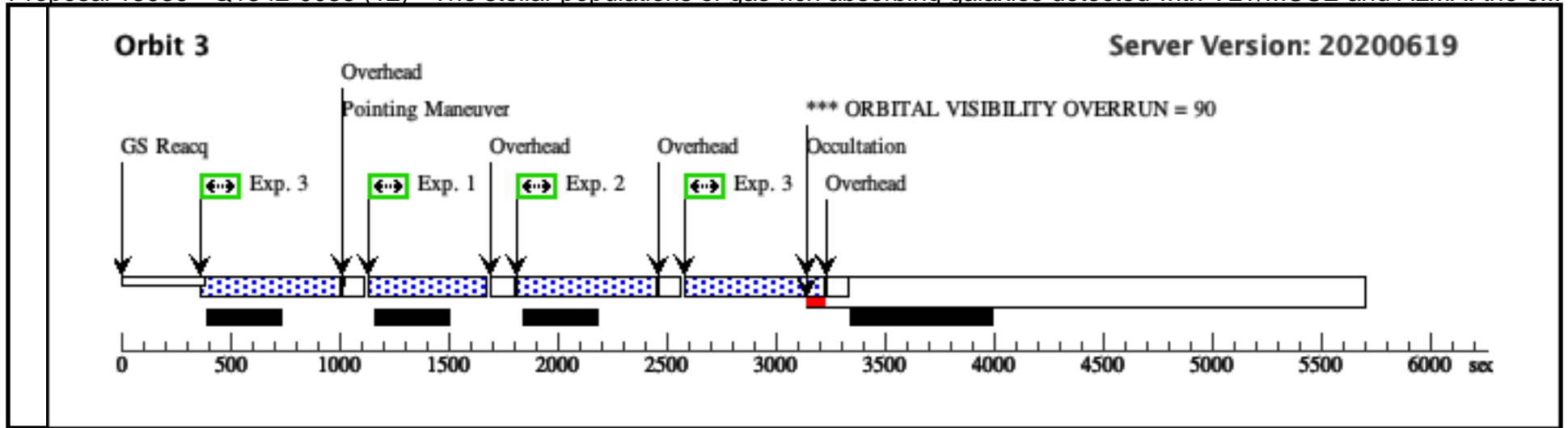
<b>Visit</b>	<b>Proposal 15939, Q1110+0048 (18), scheduling</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none) <i>Comments: The science goal is to observe the faint galaxies in the quasar field that are connected to a known absorbers at <math>z=0.74</math>.</i>									
	<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>	<b>Secondary Pattern</b>	<b>Exposures</b>					
	(3)	Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(3)					
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(11)	Q1110+0048	RA: 11 10 55.0000 (167.7291667d) Dec: +00 48 54.40 (.81511d) Equinox: J2000		V=18.68	Reference Frame: ICRS				
	<i>Comments:</i> Category=GALAXY Description=[OSO]									
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time (Total)/[Actual Dur.]</b>	<b>Orbit</b>
	1	F336W	(11) Q1110+0048	WFC3/UVIS, ACCUM, UVIS1	F336W	FLASH=10			500 Secs (576 Secs)	
									[=>576.0 Secs]	[1]
	2	F814W	(11) Q1110+0048	WFC3/UVIS, ACCUM, UVIS1	F814W				600 Secs (579 Secs)	
								[=>579.0 Secs]	[1]	
3	F475W	(11) Q1110+0048	WFC3/UVIS, ACCUM, UVIS1	F475W				Pattern 3, Exps 3-3 i n Q1110+0048 (18) ( 3)	600 Secs (1158 Secs)	
								[=>579.0 Secs (Pattern 1)]		
								[=>579.0 Secs (Pattern 2)]	[1]	
<b>Orbit Structure</b>	<b>Orbit 1</b>									
	<p style="text-align: right;"><b>Server Version: 20200619</b></p>									

Proposal 15939 - Q1342-0035 (12) - The stellar populations of gas-rich absorbing galaxies detected with VLT/MUSE and ALMA: the e...

Tue Sep 29 18:00:47 GMT 2020

<b>Visit</b>	<b>Proposal 15939, Q1342-0035 (12), completed</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 4D TO 24 D; ORIENT 94D TO 114 D; ORIENT 184D TO 204 D; ORIENT 274D TO 294 D <i>Comments: The science goal is to observe the faint galaxies in the quasar field that are connected to a known absorbers at z=0.54. We choose the orientation such that the closest of those galaxies are not obstructed by the diffraction spikes in the quasar PSF.</i>									
	<b>Diagnosics</b> (Q1342-0035 (12)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Q1342-0035 (12)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Q1342-0035 (12)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>		<b>Secondary Pattern</b>	<b>Exposures</b>					
	(1)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112	Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false		(1-3)					
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(12)	Q1342-0035	RA: 13 42 46.2360 (205.6926500d) Dec: -00 35 44.27 (-.59563d) Equinox: J2000		V=18.3	Reference Frame: ICRS				
<i>Comments:                  Category=GALAXY                  Description=[QSO]</i>										
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time (Total)/[Actual Dur.]</b>	<b>Orbit</b>
	1	F336W	(12) Q1342-0035	WFC3/UVIS, ACCUM, UVIS1	F336W	FLASH=10		Pattern 1, Exps 1-3 in Q1342-0035 (12) (1)	500 Secs (2106 Secs)	
									[==>535.0 Secs (Pattern 1)]	[1]
									[==>535.0 Secs (Pattern 2)]	[2]
									[==>518.0 Secs (Pattern 3)]	[3]
									[==>518.0 Secs (Pattern 4)]	[3]
	2	F475W	(12) Q1342-0035	WFC3/UVIS, ACCUM, UVIS1	F475W			Pattern 1, Exps 1-3 in Q1342-0035 (12) (1)	600 Secs (2489 Secs)	
									[==>635.0 Secs (Pattern 1)]	[1]
									[==>618.0 Secs (Pattern 2)]	[2]
									[==>618.0 Secs (Pattern 3)]	[3]
								[==>618.0 Secs (Pattern 4)]	[3]	
3	F814W	(12) Q1342-0035	WFC3/UVIS, ACCUM, UVIS1	F814W				Pattern 1, Exps 1-3 in Q1342-0035 (12) (1)	600 Secs (2489 Secs)	
								[==>635.0 Secs (Pattern 1)]	[1]	
								[==>618.0 Secs (Pattern 2)]	[2]	
								[==>618.0 Secs (Pattern 3)]	[3]	
								[==>618.0 Secs (Pattern 4)]	[3]	

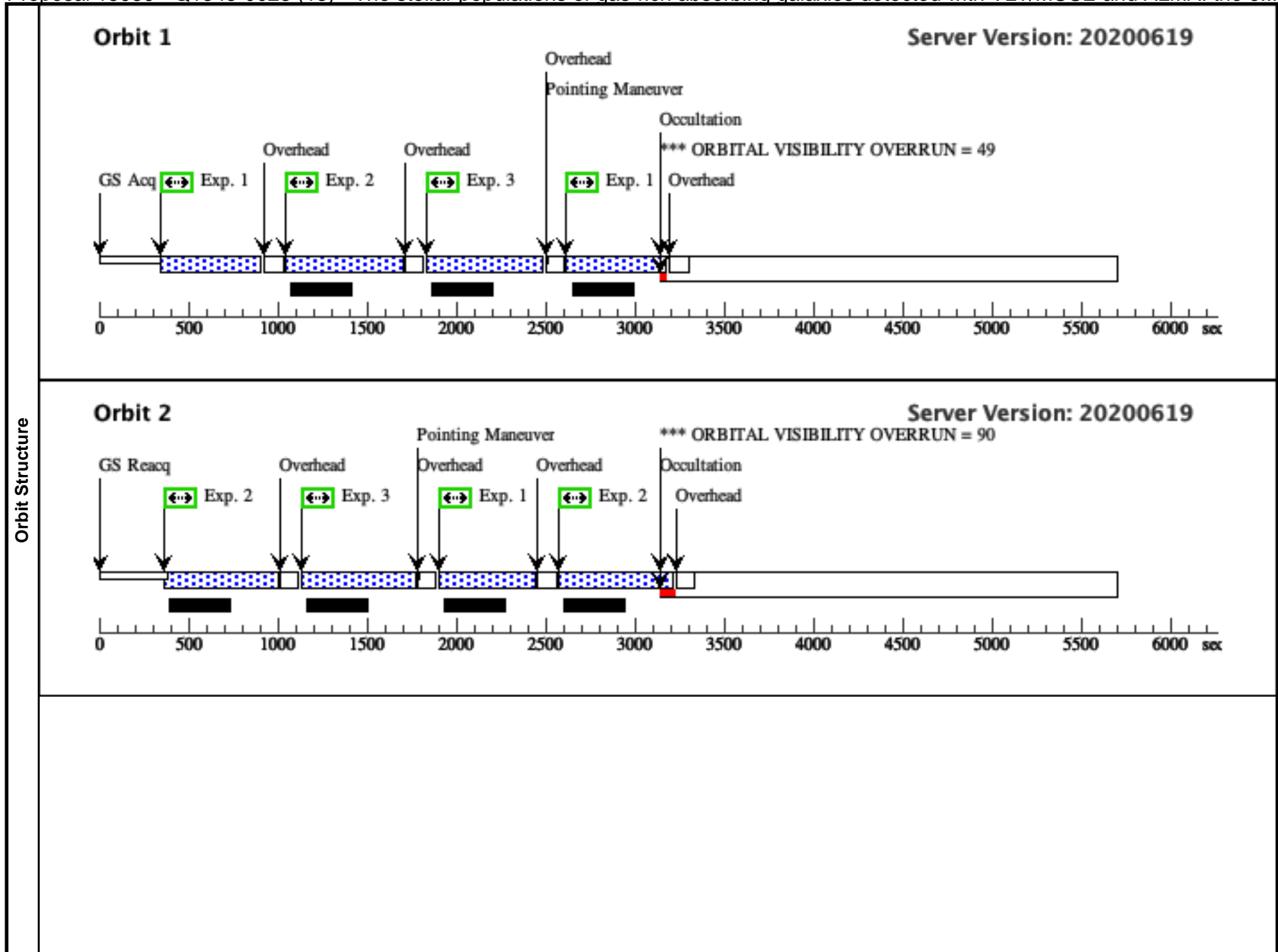


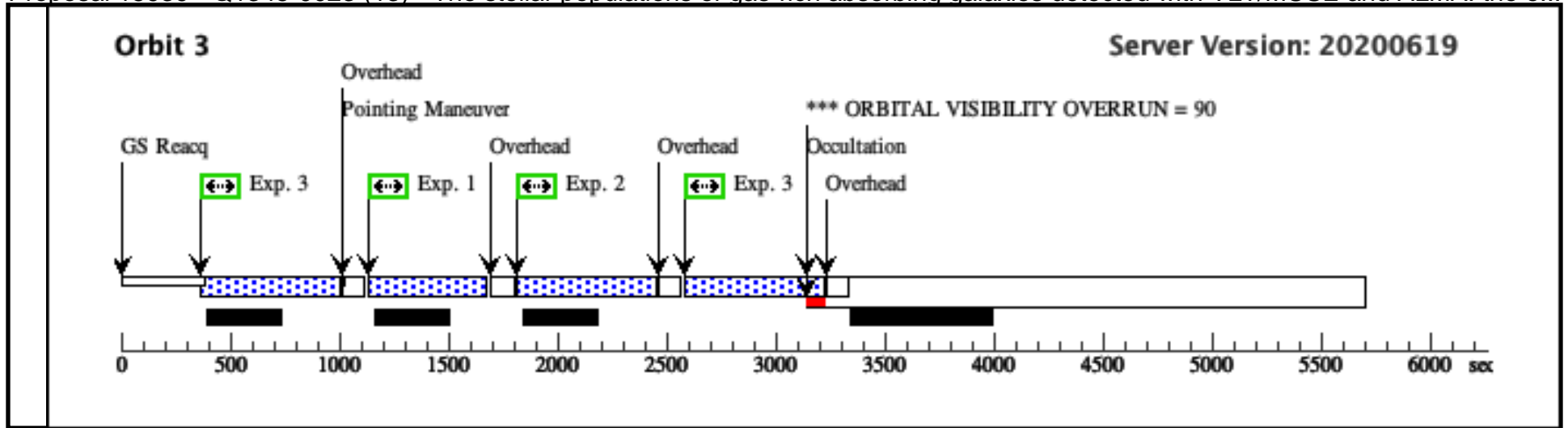


Proposal 15939 - Q1345-0023 (13) - The stellar populations of gas-rich absorbing galaxies detected with VLT/MUSE and ALMA: the e...

Tue Sep 29 18:00:47 GMT 2020

<b>Visit</b>	<b>Proposal 15939, Q1345-0023 (13), implementation</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 60D TO 80 D; ORIENT 150D TO 170 D; ORIENT 240D TO 260 D; ORIENT 330D TO 350 D <i>Comments: The science goal is to observe the faint galaxies in the quasar field that are connected to a known absorbers at z=0.61. We choose the orientation such that the closest of those galaxies are not obstructed by the diffraction spikes in the quasar PSF.</i>									
	<b>Diagnosics</b> (Q1345-0023 (13)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Q1345-0023 (13)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Q1345-0023 (13)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>		<b>Secondary Pattern</b>	<b>Exposures</b>					
	(1)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112	Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false		(1-3)					
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(13)	Q1345-0023	RA: 13 45 47.8200 (206.4492500d) Dec: -00 23 23.86 (-.38996d) Equinox: J2000		V=17.6	Reference Frame: ICRS				
<i>Comments:                  Category=GALAXY                  Description=[QSO]</i>										
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time (Total)/[Actual Dur.]</b>	<b>Orbit</b>
	1	F336W	(13) Q1345-0023	WFC3/UVIS, ACCUM, UVIS1	F336W	FLASH=10		Pattern 1, Exps 1-3 in Q1345-0023 (13) (1)	500 Secs (2106 Secs)	
									[==>535.0 Secs (Pattern 1)]	[1]
									[==>535.0 Secs (Pattern 2)]	[2]
									[==>518.0 Secs (Pattern 3)]	[3]
									[==>518.0 Secs (Pattern 4)]	[3]
	2	F475W	(13) Q1345-0023	WFC3/UVIS, ACCUM, UVIS1	F475W			Pattern 1, Exps 1-3 in Q1345-0023 (13) (1)	600 Secs (2489 Secs)	
									[==>635.0 Secs (Pattern 1)]	[1]
									[==>618.0 Secs (Pattern 2)]	[2]
									[==>618.0 Secs (Pattern 3)]	[3]
									[==>618.0 Secs (Pattern 4)]	[3]
	3	F814W	(13) Q1345-0023	WFC3/UVIS, ACCUM, UVIS1	F814W			Pattern 1, Exps 1-3 in Q1345-0023 (13) (1)	600 Secs (2489 Secs)	
									[==>635.0 Secs (Pattern 1)]	[1]
								[==>618.0 Secs (Pattern 2)]	[2]	
								[==>618.0 Secs (Pattern 3)]	[3]	
								[==>618.0 Secs (Pattern 4)]	[3]	

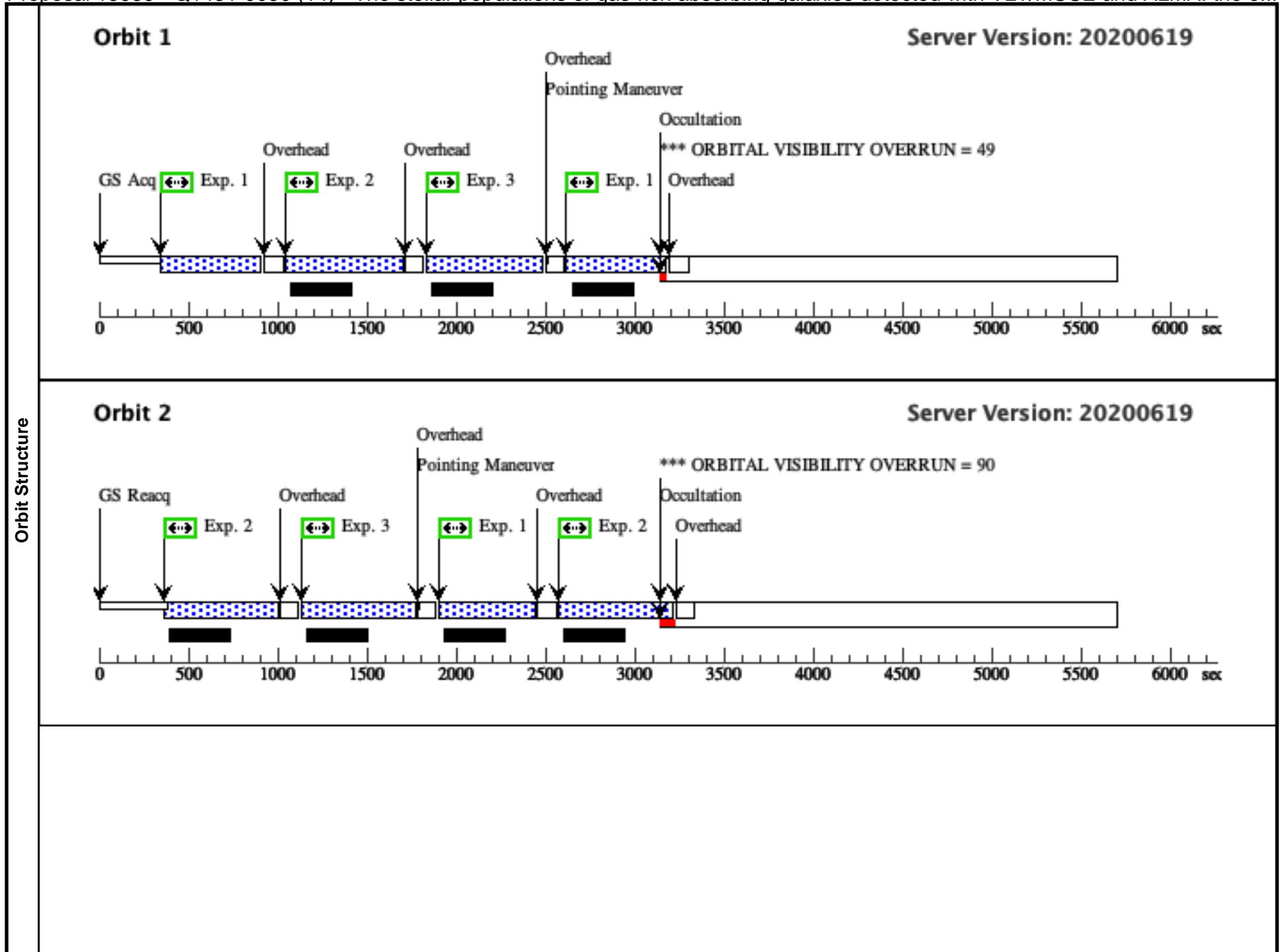


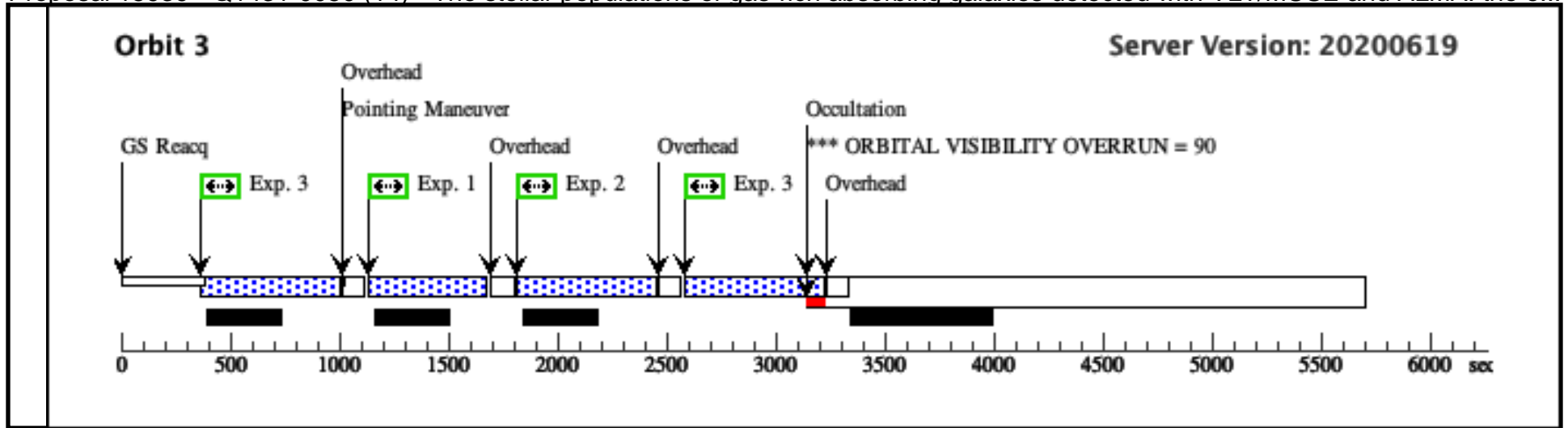


Proposal 15939 - Q1431-0050 (14) - The stellar populations of gas-rich absorbing galaxies detected with VLT/MUSE and ALMA: the e...

Tue Sep 29 18:00:48 GMT 2020

<b>Visit</b>	<b>Proposal 15939, Q1431-0050 (14), completed</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: WFC3/UVIS Special Requirements: ORIENT 15D TO 35 D; ORIENT 105D TO 125 D; ORIENT 285D TO 305 D; ORIENT 195D TO 215 D <i>Comments: The science goal is to observe the faint galaxies in the quasar field that are connected to two known absorbers at <math>z=0.61</math> and <math>z=0.69</math>. We choose the orientation such that the closest of those galaxies are not obstructed by the diffraction spikes in the quasar PSF.</i>									
	<b>Diagnosics</b> (Q1431-0050 (14)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Q1431-0050 (14)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Q1431-0050 (14)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>		<b>Secondary Pattern</b>	<b>Exposures</b>					
	(1)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112	Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false		(1-3)					
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(14)	Q1431-0050	RA: 14 31 43.7420 (217.9322583d) Dec: -00 50 12.48 (-.83680d) Equinox: J2000		V=18.23	Reference Frame: ICRS				
<i>Comments:                  Category=GALAXY                  Description=[QSO]</i>										
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time (Total)/[Actual Dur.]</b>	<b>Orbit</b>
	1	F336W	(14) Q1431-0050	WFC3/UVIS, ACCUM, UVIS1	F336W	FLASH=10		Pattern 1, Exps 1-3 in Q1431-0050 (14) (1)	500 Secs (2106 Secs)	
									[==>535.0 Secs (Pattern 1)]	[1]
									[==>535.0 Secs (Pattern 2)]	[2]
									[==>518.0 Secs (Pattern 3)]	[3]
									[==>518.0 Secs (Pattern 4)]	[3]
	2	F475W	(14) Q1431-0050	WFC3/UVIS, ACCUM, UVIS1	F475W			Pattern 1, Exps 1-3 in Q1431-0050 (14) (1)	600 Secs (2489 Secs)	
									[==>635.0 Secs (Pattern 1)]	[1]
									[==>618.0 Secs (Pattern 2)]	[2]
									[==>618.0 Secs (Pattern 3)]	[3]
								[==>618.0 Secs (Pattern 4)]	[3]	
3	F814W	(14) Q1431-0050	WFC3/UVIS, ACCUM, UVIS1	F814W				Pattern 1, Exps 1-3 in Q1431-0050 (14) (1)	600 Secs (2489 Secs)	
								[==>635.0 Secs (Pattern 1)]	[1]	
								[==>618.0 Secs (Pattern 2)]	[2]	
								[==>618.0 Secs (Pattern 3)]	[3]	
								[==>618.0 Secs (Pattern 4)]	[3]	

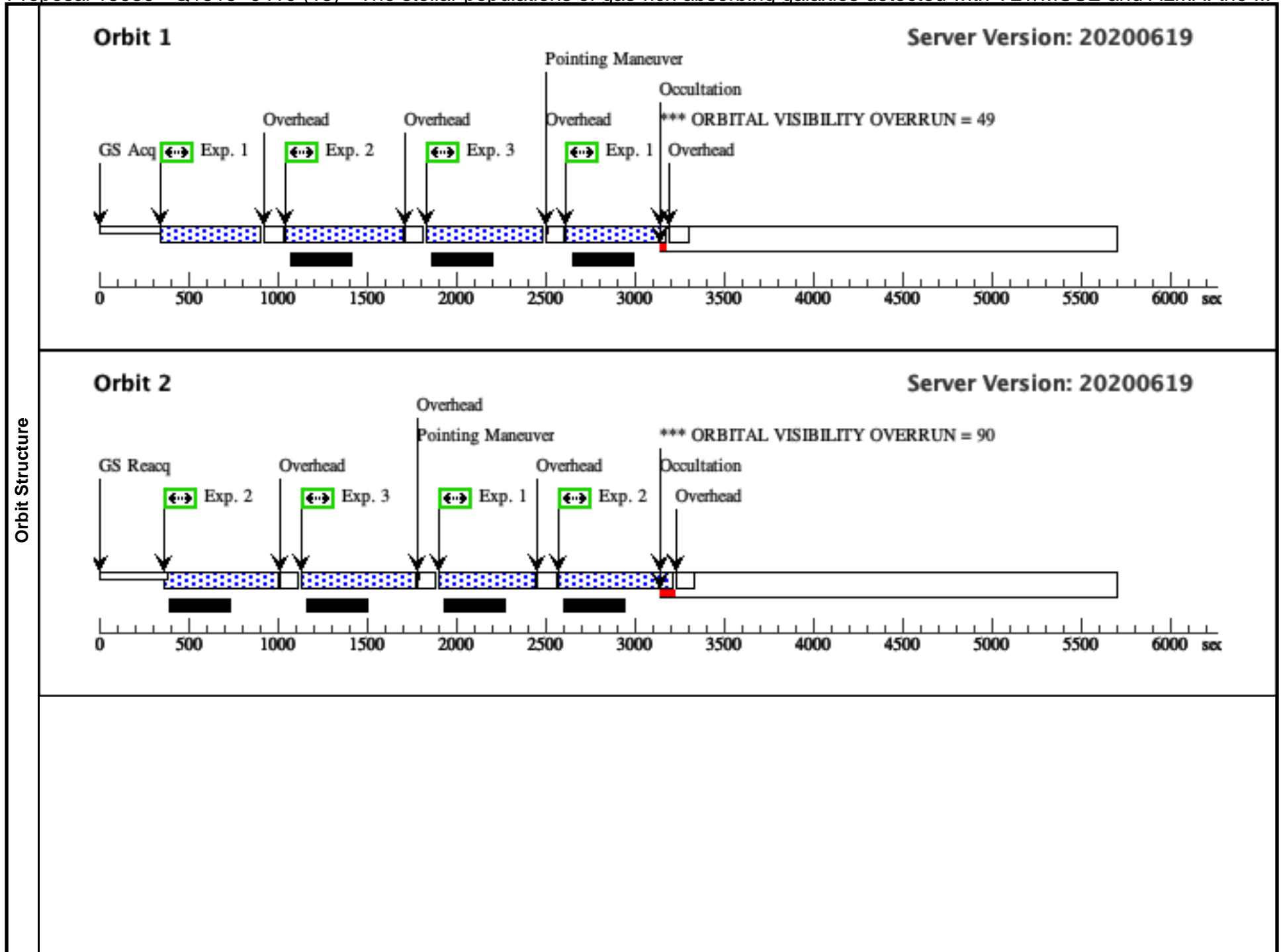


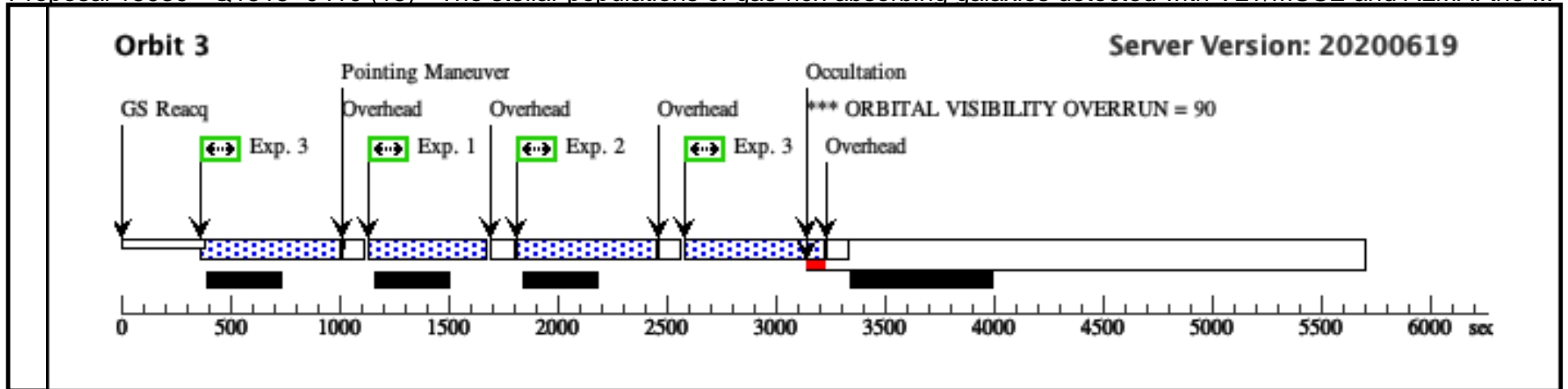


Proposal 15939 - Q1515+0410 (15) - The stellar populations of gas-rich absorbing galaxies detected with VLT/MUSE and ALMA: the ...

Tue Sep 29 18:00:48 GMT 2020

<b>Visit</b>	<b>Proposal 15939, Q1515+0410 (15), completed</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none) <i>Comments: The science goal is to observe the faint galaxies in the quasar field that are connected to a known absorbers at <math>z=0.56</math>.</i>									
	<b>Diagnosics</b> (Q1515+0410 (15)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Q1515+0410 (15)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Q1515+0410 (15)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>			<b>Secondary Pattern</b>		<b>Exposures</b>			
	(1)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112			Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false		(1-3)			
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(15)	Q1515+0410	RA: 15 15 5.1200 (228.7713333d) Dec: +04 10 12.10 (4.17003d) Equinox: J2000		V=18.59	Reference Frame: ICRS				
<i>Comments:</i> Category=GALAXY Description=[OSQ]										
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time (Total)/[Actual Dur.]</b>	<b>Orbit</b>
	1	F336W	(15) Q1515+0410	WFC3/UVIS, ACCUM, UVIS1	F336W	FLASH=10		Pattern 1, Exps 1-3 in Q1515+0410 (15) (1)	500 Secs (2106 Secs)	
									[==>535.0 Secs (Pattern 1)]	[1]
									[==>535.0 Secs (Pattern 2)]	[2]
									[==>518.0 Secs (Pattern 3)]	[3]
									[==>518.0 Secs (Pattern 4)]	[3]
	2	F475W	(15) Q1515+0410	WFC3/UVIS, ACCUM, UVIS1	F475W			Pattern 1, Exps 1-3 in Q1515+0410 (15) (1)	600 Secs (2489 Secs)	
									[==>635.0 Secs (Pattern 1)]	[1]
									[==>618.0 Secs (Pattern 2)]	[2]
									[==>618.0 Secs (Pattern 3)]	[3]
									[==>618.0 Secs (Pattern 4)]	[3]
	3	F814W	(15) Q1515+0410	WFC3/UVIS, ACCUM, UVIS1	F814W			Pattern 1, Exps 1-3 in Q1515+0410 (15) (1)	600 Secs (2489 Secs)	
									[==>635.0 Secs (Pattern 1)]	[1]
								[==>618.0 Secs (Pattern 2)]	[2]	
								[==>618.0 Secs (Pattern 3)]	[3]	
								[==>618.0 Secs (Pattern 4)]	[3]	





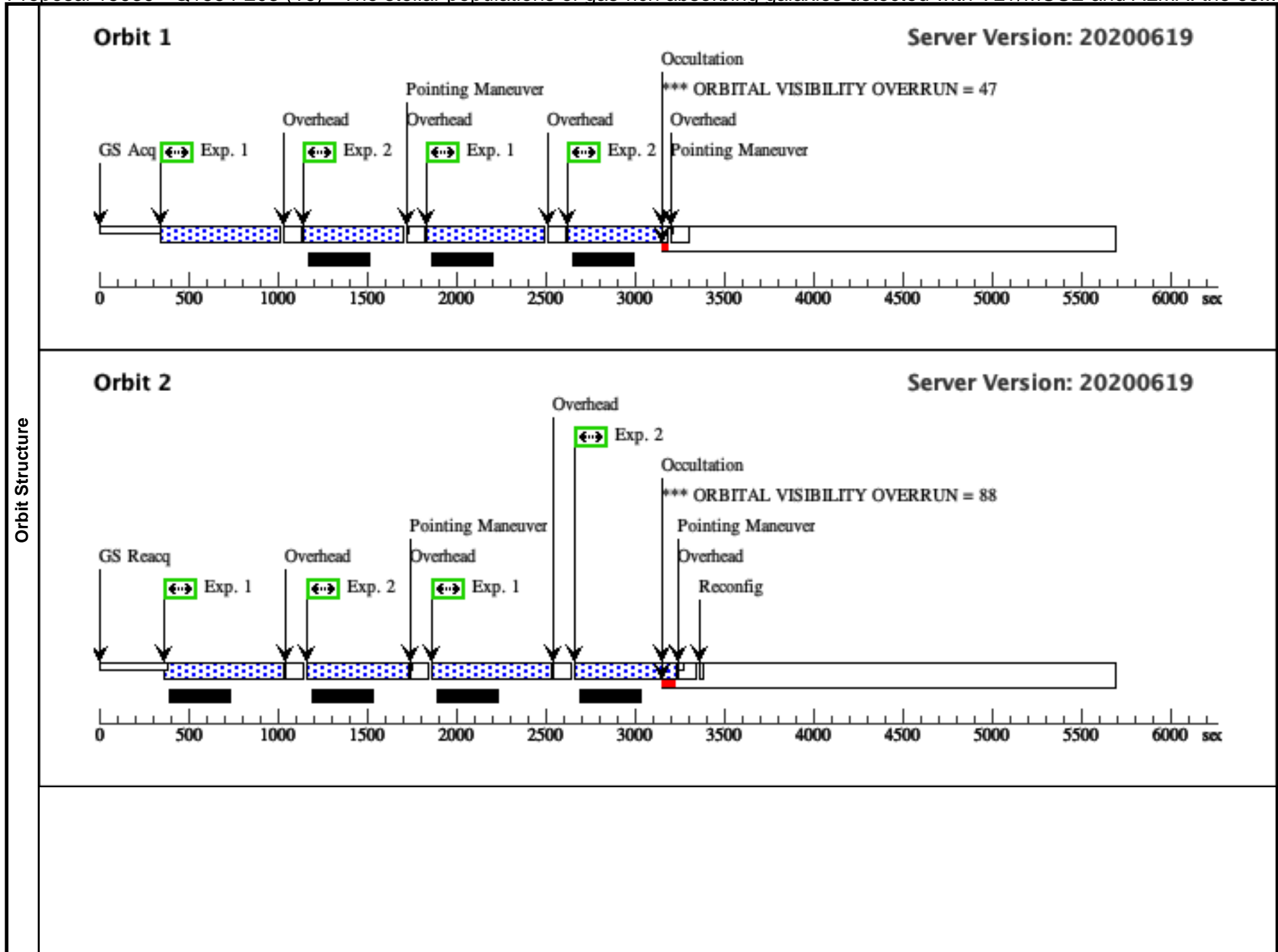
Proposal 15939 - Q1554-203 (16) - The stellar populations of gas-rich absorbing galaxies detected with VLT/MUSE and ALMA: the es...

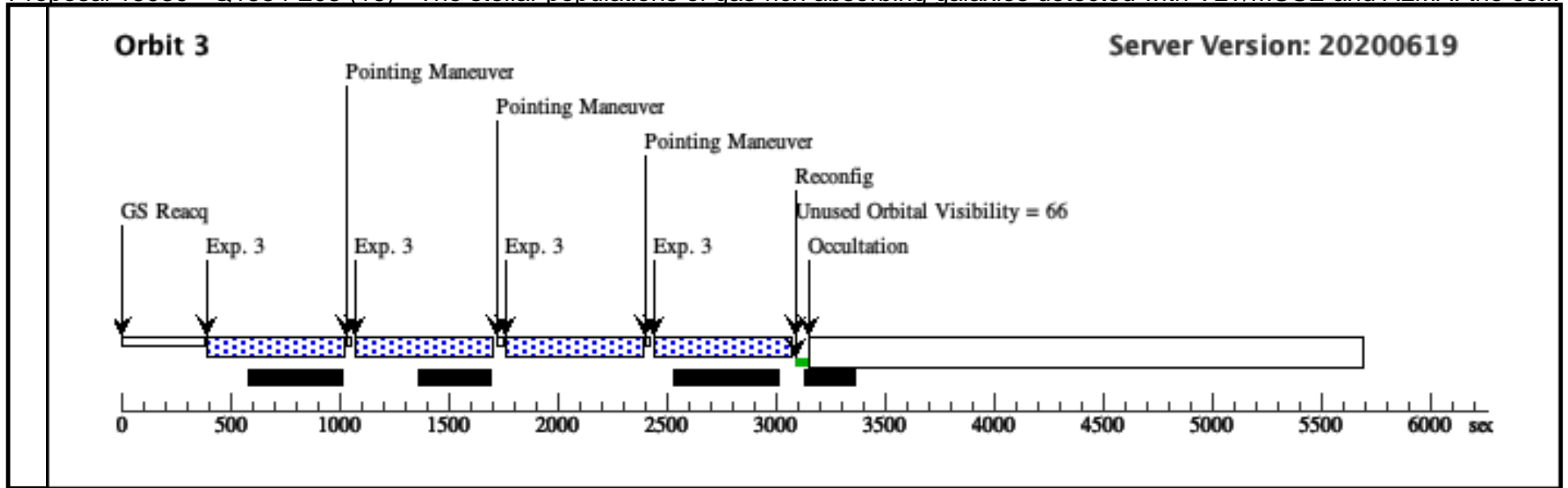
Tue Sep 29 18:00:48 GMT 2020

<b>Visit</b>	<b>Proposal 15939, Q1554-203 (16), completed</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: ORIENT 70D TO 90 D; ORIENT 160D TO 180 D; ORIENT 250D TO 270 D; ORIENT 340D TO 360 D <i>Comments: The science goal is to observe the faint galaxies in the quasar field that are connected to a known absorbers at <math>z=0.79</math>. We choose the orientation such that the closest of those galaxies are not obstructed by the diffraction spikes in the quasar PSF.</i>					
	<b>Diagnosics</b> (Q1554-203 (16)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Q1554-203 (16)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN					
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>	<b>Secondary Pattern</b>	<b>Exposures</b>		
	(1)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112 Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false		(1-2)		
(2)	Pattern Type=WFC3-IR-DITHER-BOX-UVIS Purpose=DITHER Number Of Points=4 Point Spacing=23.02 Line Spacing=35.212 Coordinate Frame=POS-TARG Pattern Orientation=0.713 Angle Between Sides=89.287 Center Pattern=true		(3)			
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>
	(16)	Q1554-203	RA: 15 57 21.1800 (239.3382500d) Dec: -20 29 12.10 (-20.48669d) Equinox: J2000		V=19.2	Reference Frame: ICRS
<i>Comments:                  Category=GALAXY                  Description=[QSO]</i>						

Proposal 15939 - Q1554-203 (16) - The stellar populations of gas-rich absorbing galaxies detected with VLT/MUSE and ALMA: the es...

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	F475W	(16) Q1554-203	WFC3/UVIS, ACCUM, UVIS1	F475W				Pattern 1, Exps 1-2 in Q1554-203 (16) (1)	600 Secs (2576 Secs)	
									[==>640.0 Secs (Pattern 1)]	[1]	
									[==>640.0 Secs (Pattern 2)]	[2]	
									[==>648.0 Secs (Pattern 3)]		
									[==>648.0 Secs (Pattern 4)]		
2	F625W	(16) Q1554-203	WFC3/UVIS, ACCUM, UVIS1	F625W				Pattern 1, Exps 1-2 in Q1554-203 (16) (1)	500 Secs (2176 Secs)		
									[==>540.0 Secs (Pattern 1)]	[1]	
									[==>540.0 Secs (Pattern 2)]	[2]	
									[==>548.0 Secs (Pattern 3)]		
									[==>548.0 Secs (Pattern 4)]		
3	F105W	(16) Q1554-203	WFC3/IR, MULTIACCUM, IR	F105W		NSAMP=13; SAMP-SEQ=SPAR S50		Pattern 2, Exps 3-3 in Q1554-203 (16) (2)	602.937703 Secs (2411.751 Secs)		
									[==>(Pattern 1)]	[3]	
									[==>(Pattern 2)]		
									[==>(Pattern 3)]		
									[==>(Pattern 4)]		





Proposal 15939 - Q2353-0028 (17) - The stellar populations of gas-rich absorbing galaxies detected with VLT/MUSE and ALMA: the e...

Tue Sep 29 18:00:48 GMT 2020

<b>Visit</b>	Proposal 15939, Q2353-0028 (17), completed <b>Diagnostic Status: Warning</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none) <i>Comments: The science goal is to observe the faint galaxies in the quasar field that are connected to a known absorbers at <math>z=0.60</math>.</i>									
	(Q2353-0028 (17)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Q2353-0028 (17)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Q2353-0028 (17)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN									
<b>Diagnosics</b>										
<b>Patterns</b>	<b>#</b>	<b>Primary Pattern</b>	<b>Secondary Pattern</b>		<b>Exposures</b>					
	(1)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112 Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false			(1-3)					
<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>	<b>Miscellaneous</b>				
	(17)	Q2353-0028	RA: 23 53 21.6140 (358.3400583d) Dec: -00 28 41.66 (-.47824d) Equinox: J2000		V=18.13	Reference Frame: ICRS				
<i>Comments: Category=GALAXY Description=[OSO]</i>										
<b>Exposures</b>	<b>#</b>	<b>Label</b>	<b>Target</b>	<b>Config,Mode,Aperture</b>	<b>Spectral Els.</b>	<b>Opt. Params.</b>	<b>Special Reqs.</b>	<b>Groups</b>	<b>Exp. Time (Total)/[Actual Dur.]</b>	<b>Orbit</b>
	1	F336W	(17) Q2353-0028	WFC3/UVIS, ACCUM, UVIS1	F336W	FLASH=10		Pattern 1, Exps 1-3 in Q2353-0028 (17) (1)	500 Secs (2106 Secs)	
									[==>535.0 Secs (Pattern 1)]	[1]
									[==>535.0 Secs (Pattern 2)]	[2]
									[==>518.0 Secs (Pattern 3)]	[3]
									[==>518.0 Secs (Pattern 4)]	[3]
	2	F475W	(17) Q2353-0028	WFC3/UVIS, ACCUM, UVIS1	F475W			Pattern 1, Exps 1-3 in Q2353-0028 (17) (1)	600 Secs (2489 Secs)	
									[==>635.0 Secs (Pattern 1)]	[1]
									[==>618.0 Secs (Pattern 2)]	[2]
									[==>618.0 Secs (Pattern 3)]	[3]
									[==>618.0 Secs (Pattern 4)]	[3]
	3	F814W	(17) Q2353-0028	WFC3/UVIS, ACCUM, UVIS1	F814W			Pattern 1, Exps 1-3 in Q2353-0028 (17) (1)	600 Secs (2489 Secs)	
									[==>635.0 Secs (Pattern 1)]	[1]
								[==>618.0 Secs (Pattern 2)]	[2]	
								[==>618.0 Secs (Pattern 3)]	[3]	
								[==>618.0 Secs (Pattern 4)]	[3]	

