



16245 - Mapping Lyman alpha and ionization in the leakiest galaxies

Cycle: 28, Proposal Category: GO

(UV Initiative)

(Availability Mode: SUPPORTED)

INVESTIGATORS

<i>Name</i>	<i>Institution</i>
Prof. Goeran Oestlin (PI) (ESA Member) (Contact)	Stockholm University
Dr. Angela Adamo (CoI) (ESA Member)	Stockholm University
Dr. Arjan Bik (CoI) (ESA Member)	Stockholm University
Prof. John Chisholm (CoI) (AdminUSPI)	University of Texas at Austin
Prof. Matthew James Hayes (CoI) (ESA Member)	Stockholm University
Dr. Daniel Kunth (CoI) (ESA Member)	CNRS, Institut d'Astrophysique de Paris
Dr. Jens Melinder (CoI) (ESA Member)	Stockholm University
Armin Rasekh (CoI) (ESA Member)	Stockholm University
Dr. Axel Runnholm (CoI) (ESA Member)	Stockholm University
Prof. Daniel Schaerer (CoI) (ESA Member)	University of Geneva, Department of Astronomy
Prof. Anne Verhamme (CoI) (ESA Member)	University of Geneva, Department of Astronomy

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>
10	(1) SDSS-J124300.62+464650.5	ACS/SBC	2	07-Jun-2024 17:00:20.0	yes
11	(1) SDSS-J124300.62+464650.5	ACS/SBC	2	07-Jun-2024 17:00:20.0	yes
12	(1) SDSS-J124300.62+464650.5	ACS/SBC	2	07-Jun-2024 17:00:21.0	yes
13	(1) SDSS-J124300.62+464650.5	ACS/SBC	2	07-Jun-2024 17:00:21.0	yes
14	(1) SDSS-J124300.62+464650.5	ACS/SBC	2	07-Jun-2024 17:00:22.0	yes

Proposal 16245 (STScI Edit Number: 7, Created: Friday, June 7, 2024 at 4:00:33 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>
15	(1) SDSS-J124300.62+464650.5	WFC3/UVIS	2	07-Jun-2024 17:00:23.0	yes
16	(1) SDSS-J124300.62+464650.5	WFC3/IR WFC3/UVIS	2	07-Jun-2024 17:00:24.0	yes
17	(1) SDSS-J124300.62+464650.5	ACS/WFC	2	07-Jun-2024 17:00:25.0	yes
18	(1) SDSS-J124300.62+464650.5	ACS/WFC	2	07-Jun-2024 17:00:25.0	yes
22	(3) SDSS-J115448.85+244333.0	ACS/SBC	2	07-Jun-2024 17:00:26.0	yes
23	(3) SDSS-J115448.85+244333.0	ACS/SBC	1	07-Jun-2024 17:00:26.0	yes
24	(2) SDSS-J125644.15+450917.1	ACS/SBC	2	07-Jun-2024 17:00:27.0	yes
25	(2) SDSS-J125644.15+450917.1	ACS/SBC	1	07-Jun-2024 17:00:27.0	yes
26	(3) SDSS-J115448.85+244333.0	WFC3/IR WFC3/UVIS	3	07-Jun-2024 17:00:28.0	yes
30	(2) SDSS-J125644.15+450917.1	WFC3/IR WFC3/UVIS	3	07-Jun-2024 17:00:30.0	yes
29	(3) SDSS-J115448.85+244333.0	ACS/WFC	2	07-Jun-2024 17:00:31.0	yes
Z9	(3) SDSS-J115448.85+244333.0	ACS/WFC	1	07-Jun-2024 17:00:31.0	yes
28	(2) SDSS-J125644.15+450917.1	ACS/WFC	2	07-Jun-2024 17:00:32.0	yes
Z8	(1) SDSS-J124300.62+464650.5	ACS/WFC	1	07-Jun-2024 17:00:33.0	yes

36 Total Orbits Used

ABSTRACT

Understanding cosmic reionization, and how galaxies contributed to it, is a very active field in extragalactic research. Since directly detecting the ionizing Lyman continuum (LyC) from galaxies in the epoch of reionization (EoR) is impossible, much attention has been given to the study of the conditions for LyC escape in low redshift (z) analogs with properties akin to those expected for galaxies in the EoR. Recently many LyC leaking galaxies have been identified in the low- z universe with HST/COS, and the strategy of selecting emission line galaxies with high ionization, as revealed by their [OIII]/[OII] ratios, has been particularly successful. The Lyman alpha (Ly α) emission line from hydrogen is another vital probe of the high- z universe and is extensively used to find galaxies and determine their redshifts. Being a resonant line, the observability of Ly α is very sensitive to the amount of neutral hydrogen in the interstellar medium (ISM) and it has been found that Ly α emission is often dominated by large

halos, likely formed by resonant scattering.

Here we propose an imaging study of the Ly α and ionized gas emission in three low- z galaxies with the highest (38-72%) known LyC escape fractions. We will investigate the existence of Ly α halos, and map the ionization structure of the ISM, to investigate conditions for LyC escape and how isotropic it is.

In addition, for the source with highest escape fraction, its slightly higher redshift makes direct imaging of the LyC feasible. This rare opportunity means that the spatial distribution of the ionizing radiation and its escape fraction can be mapped and related to the local ionization level and dust content.

OBSERVING DESCRIPTION

ACS/SBC observations: In order to ensure a low detector temperature (and hence acceptable dark current level) throughout each visit, each visit is limited to no more than 2 orbits duration. For the same reason we ask the schedulers to make sure that the SBC was not used 5 hours prior to each of our SBC visits. For one target (j1243+46) we take observations in F125LP, F140LP, F150LP and F165LP, and for the other two targets we will observe in F140LP and F165LP only. The F165LP observations, which are most sensitive to dark current, are always confined to the first orbit in a visit. The F125LP observations, which are affected by geocoronal emission, are obtained in the parts of orbits when HST is in earth shadow.

WFC3/UVIS: All exposures use post-flash to reach a minimum of 19 e/pix, and are, since the targets are small, to be obtained in the UVIS2-C1K1C aperture in order to limit CTI losses. All exposures are dithered with offsets large enough to mitigate droplets and allow subpixel PSF sampling.

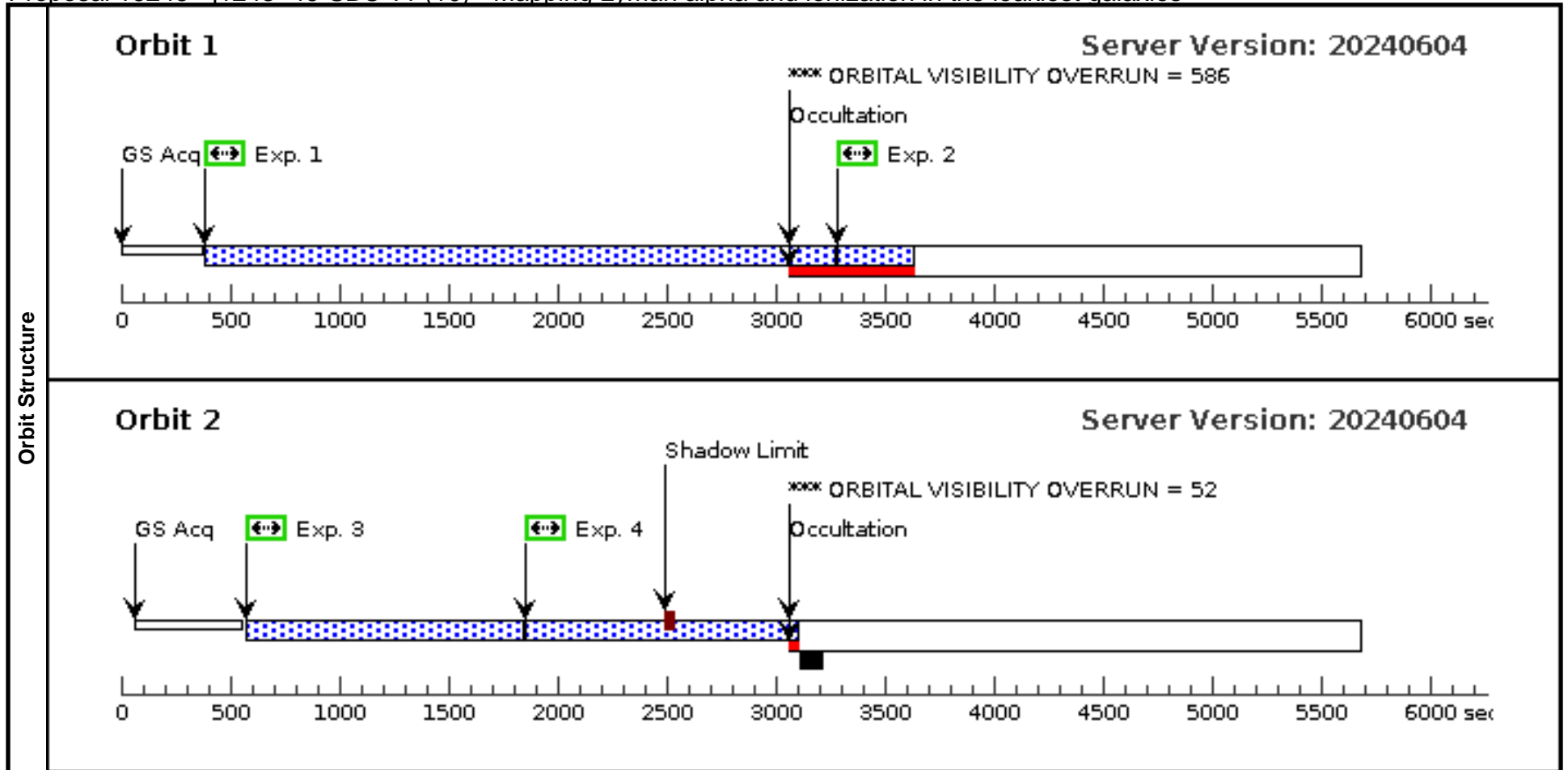
WFC3/IR: these observations are contained in the same visits as UVIS, and employ 4 dithered exposures to sample the PSF, and to mitigate defects and self persistence.

ACS/WFC Ramp observations target the redshifted emission lines [OII]3727, H-beta, [OIII]5007 and H-alpha. Dithers are designed to sample the PSF and mitigate artefacts but kept small due to the limited field of view of the ramp apertures.

Proposal 16245 - j1243+46-SBC-v1 (10) - Mapping Lyman alpha and ionization in the leakiest galaxies

Fri Jun 07 21:00:33 GMT 2024

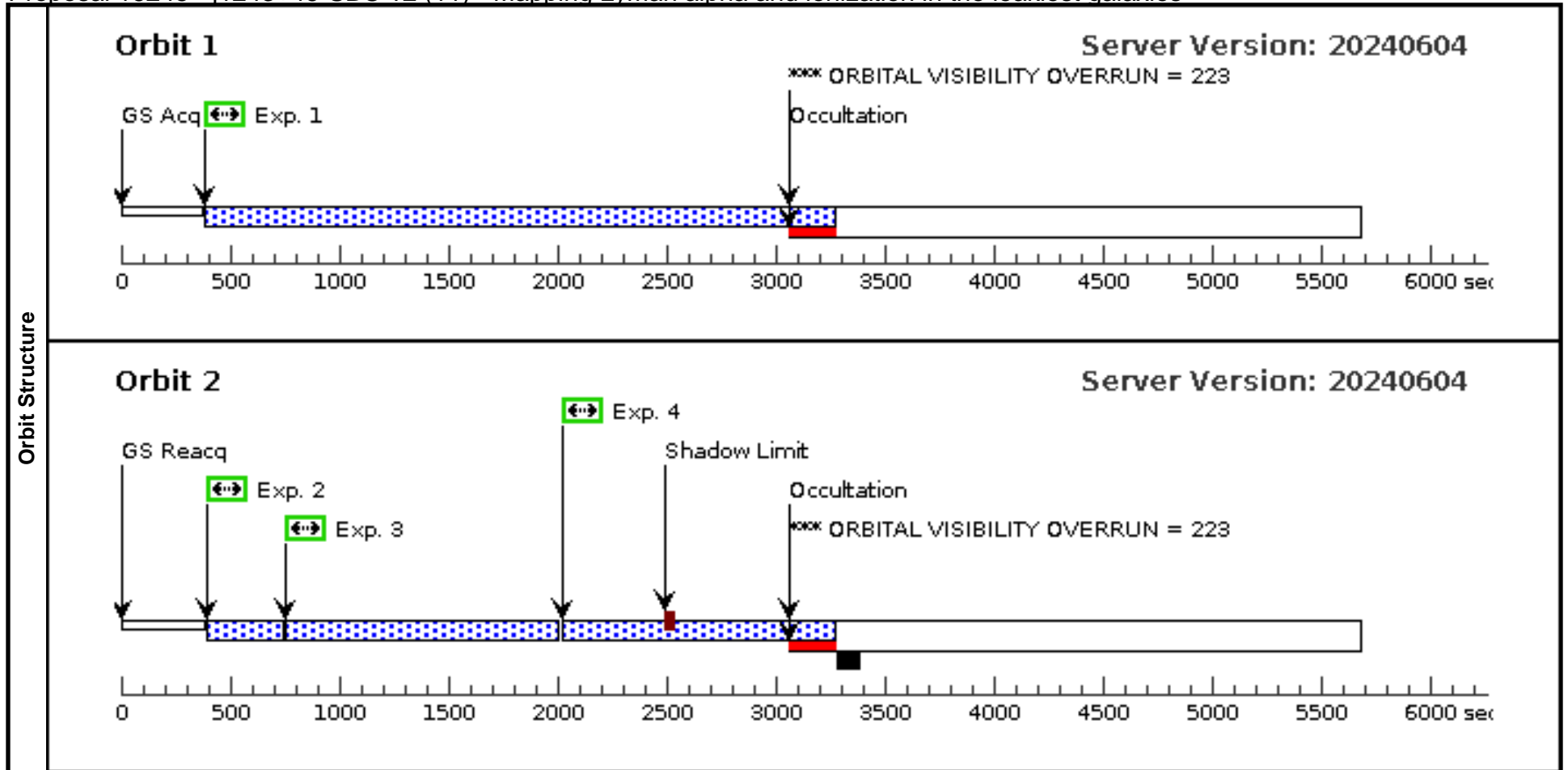
Visit	<p>Proposal 16245, j1243+46-SBC-v1 (10), completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: ACS/SBC</p> <p>Special Requirements: (none)</p> <p><i>Comments: Message to the schedulers: Please make sure that ACS/SBC was not used (and that the high voltage was turned off) during the past 5 hours prior to this visit. This reason for this request is to ensure that the SBC detector is cool at the start of the visit, and to maintain the temperature at <25 C for the duration of the visit, so that the dark current does not ramp up to unacceptable levels.</i></p>									
	<p>(j1243+46-SBC-v1 (10)) Warning (Orbit Planner): GS ACQ SCENARIO REQUESTED INCONSISTENT WITH VISIT GYRO MODE</p> <p>(j1243+46-SBC-v1 (10)) Warning (Orbit Planner): GS ACQ SCENARIO REQUESTED INCONSISTENT WITH VISIT GYRO MODE</p> <p>(j1243+46-SBC-v1 (10)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p> <p>(j1243+46-SBC-v1 (10)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN</p> <p>(Exposure 1 (j1243+46-SBC-v1 (10)) special requirements) Warning (Form): The specified GS Acq Scenario is not in the current list of valid scenarios.</p> <p>(Exposure 3 (j1243+46-SBC-v1 (10)) special requirements) Warning (Form): The specified GS Acq Scenario is not in the current list of valid scenarios.</p>									
Diagnosics										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	SDSS- J124300.62+464650.5	RA: 12 43 0.6360 (190.7526500d) Dec: +46 46 50.59 (46.78072d) Equinox: J2000		V=21.48+/-0.04 GALEX FUV = 21.31 mag (AB)	Reference Frame: NED				
<p><i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i></p> <p><i>z=0.43</i></p> <p><i>Category=GALAXY</i></p> <p><i>Description=[STARBURST]</i></p> <p><i>Extended=YES</i></p>										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(1452034)	(1) SDSS-J124300.6 2+464650.5	ACS/SBC, ACCUM, SBC	F165LP		GS ACQ SCENARI O BASE1B3		2821 Secs (2821 Secs)	
									[==>]	[1]
	2	(1452017)	(1) SDSS-J124300.6 2+464650.5	ACS/SBC, ACCUM, SBC	F150LP				300 Secs (300 Secs)	
									[==>]	[1]
	3	(1452015)	(1) SDSS-J124300.6 2+464650.5	ACS/SBC, ACCUM, SBC	F125LP		SHADOW; NEW OBSET FULL ACQ;	GS ACQ SCENARI O BASE1B3	1200 Secs (1200 Secs)	
								[==>]	[2]	
4	(1452035)	(1) SDSS-J124300.6 2+464650.5	ACS/SBC, ACCUM, SBC	F140LP				1200 Secs (1200 Secs)		
								[==>]	[2]	



Proposal 16245 - j1243+46-SBC-v2 (11) - Mapping Lyman alpha and ionization in the leakiest galaxies

Fri Jun 07 21:00:33 GMT 2024

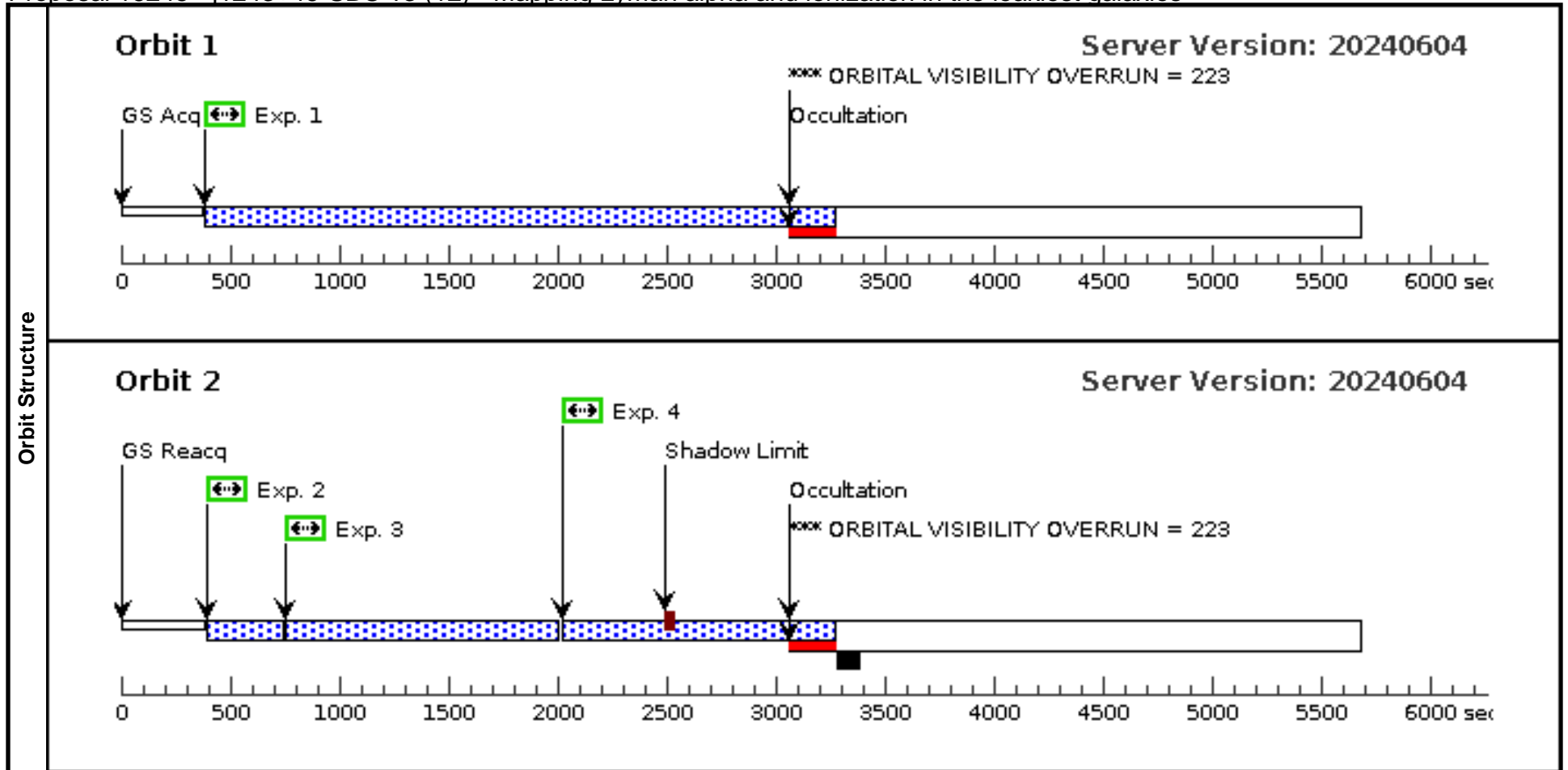
Visit	Proposal 16245, j1243+46-SBC-v2 (11), completed Diagnostic Status: Warning Scientific Instruments: ACS/SBC Special Requirements: SAME ORIENT AS 10; AFTER 10 BY 6 H TO 100 D <i>Comments: Message to the schedulers: Please make sure that ACS/SBC was not used (and that the high voltage was turned off) during the past 5 hours prior to this visit. This reason for this request is to ensure that the SBC detector is cool at the start of the visit, and to maintain the temperature at <25 C for the duration of the visit, so that the dark current does not ramp up to unacceptable levels.</i>																																																										
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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>SDSS-J124300.62+464650.5</td> <td>RA: 12 43 0.6360 (190.7526500d) Dec: +46 46 50.59 (46.78072d) Equinox: J2000</td> <td></td> <td>V=21.48+/-0.04 GALEX FUV = 21.31 mag (AB)</td> <td>Reference Frame: NED</td> </tr> </tbody> </table> <p><i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i> <i>z=0.43</i> <i>Category=GALAXY</i> <i>Description=[STARBURST]</i> <i>Extended=YES</i></p>										#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(1)	SDSS-J124300.62+464650.5	RA: 12 43 0.6360 (190.7526500d) Dec: +46 46 50.59 (46.78072d) Equinox: J2000		V=21.48+/-0.04 GALEX FUV = 21.31 mag (AB)	Reference Frame: NED																																					
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Proposal 16245 - j1243+46-SBC-v3 (12) - Mapping Lyman alpha and ionization in the leakiest galaxies

Fri Jun 07 21:00:33 GMT 2024

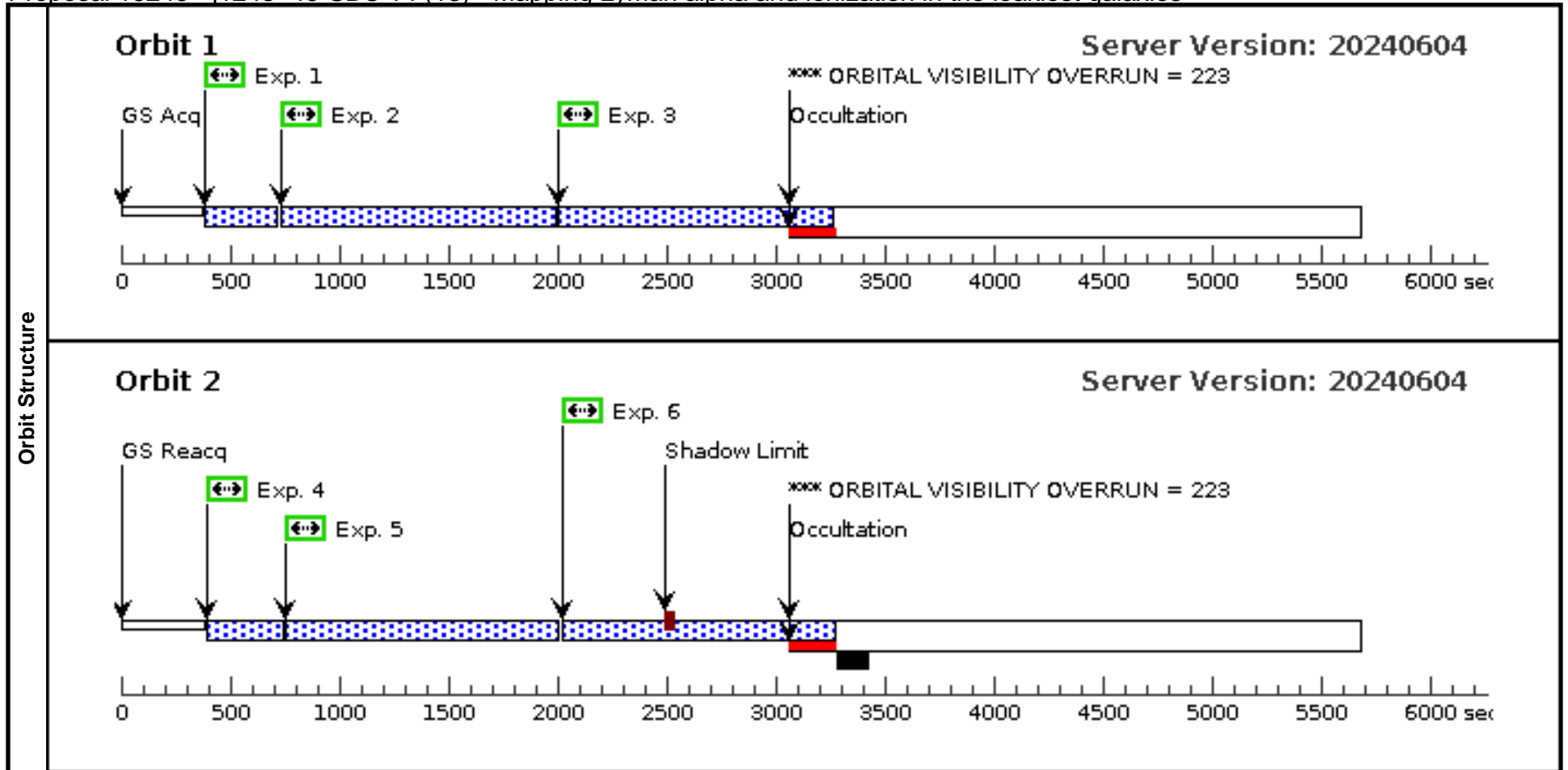
Visit	Proposal 16245, j1243+46-SBC-v3 (12), completed Diagnostic Status: Warning Scientific Instruments: ACS/SBC Special Requirements: SAME ORIENT AS 10; AFTER 11 BY 6 H TO 100 D <i>Comments: Message to the schedulers: Please make sure that ACS/SBC was not used (and that the high voltage was turned off) during the past 5 hours prior to this visit. This reason for this request is to ensure that the SBC detector is cool at the start of the visit, and to maintain the temperature at <25 C for the duration of the visit, so that the dark current does not ramp up to unacceptable levels.</i>																																																						
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Proposal 16245 - j1243+46-SBC-v4 (13) - Mapping Lyman alpha and ionization in the leakiest galaxies

Fri Jun 07 21:00:33 GMT 2024

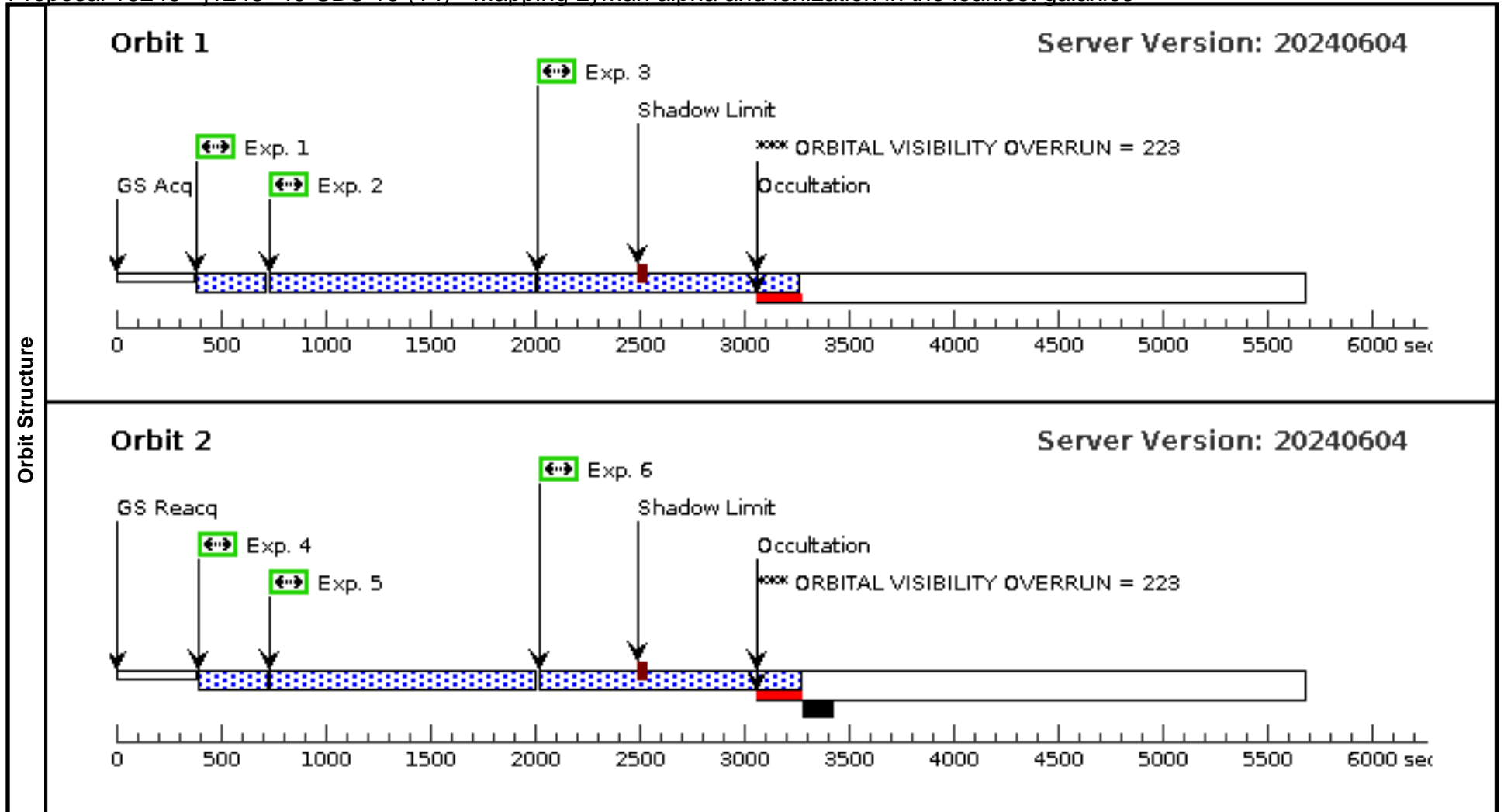
Visit	Proposal 16245, j1243+46-SBC-v4 (13), completed Diagnostic Status: Warning Scientific Instruments: ACS/SBC Special Requirements: SAME ORIENT AS 10; AFTER 12 BY 6 H TO 100 D <i>Comments: Message to the schedulers: Please make sure that ACS/SBC was not used (and that the high voltage was turned off) during the past 5 hours prior to this visit. This reason for this request is to ensure that the SBC detector is cool at the start of the visit, and to maintain the temperature at <25 C for the duration of the visit, so that the dark current does not ramp up to unacceptable levels.</i>																																																																										
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Proposal 16245 - j1243+46-SBC-v5 (14) - Mapping Lyman alpha and ionization in the leakiest galaxies

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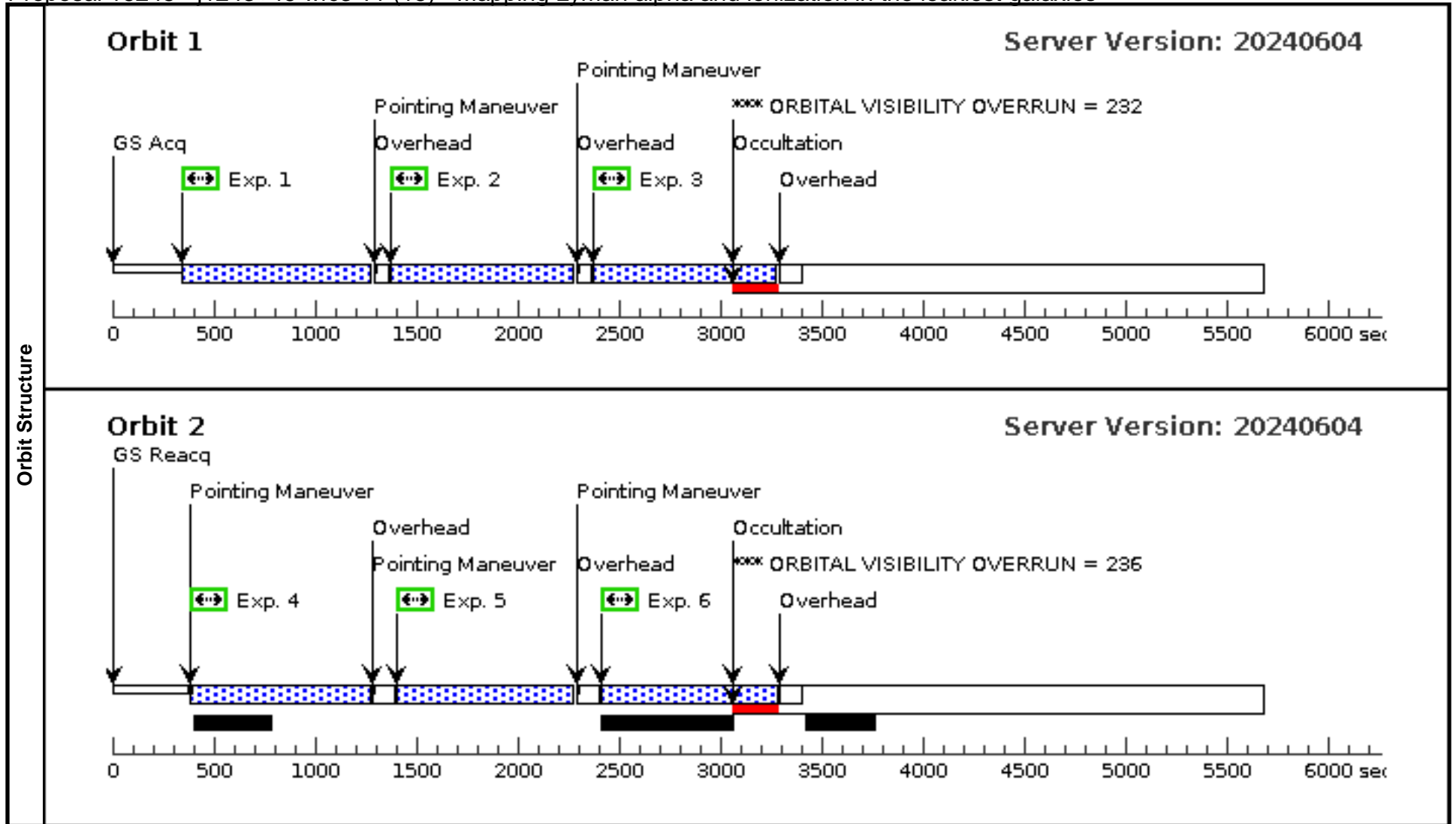
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Proposal 16245 - j1243+46 wfc3-v1 (15) - Mapping Lyman alpha and ionization in the leakiest galaxies

Fri Jun 07 21:00:33 GMT 2024

Visit	Proposal 16245, j1243+46 wfc3-v1 (15), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none) <i>Comments: UVIS/F225W and F845M flash levels set to obtain a background of 19-20 e/pix</i>																																																																										
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2		(1) SDSS-J124300.62+464650.5	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F225W	FLASH=15	POS TARG 2.799,2.785		905 Secs (905 Secs) [==>]	[1]																																																																		
3		(1) SDSS-J124300.62+464650.5	WFC3/UVIS, ACCUM, UVIS2-C1K1C-CTE	F225W	FLASH=15	POS TARG -2.799,-2.785		906 Secs (906 Secs) [==>]	[1]																																																																		
4		(1) SDSS-J124300.62+464650.5	WFC3/UVIS, ACCUM, UVIS2-C1K1C-CTE	F845M	FLASH=9	SAME POS AS 1		872 Secs (872 Secs) [==>]	[2]																																																																		
5		(1) SDSS-J124300.62+464650.5	WFC3/UVIS, ACCUM, UVIS2-C1K1C-CTE	F845M	FLASH=9	SAME POS AS 2		872 Secs (872 Secs) [==>]	[2]																																																																		
6		(1) SDSS-J124300.62+464650.5	WFC3/UVIS, ACCUM, UVIS2-C1K1C-CTE	F845M	FLASH=9	SAME POS AS 3		873 Secs (873 Secs) [==>]	[2]																																																																		



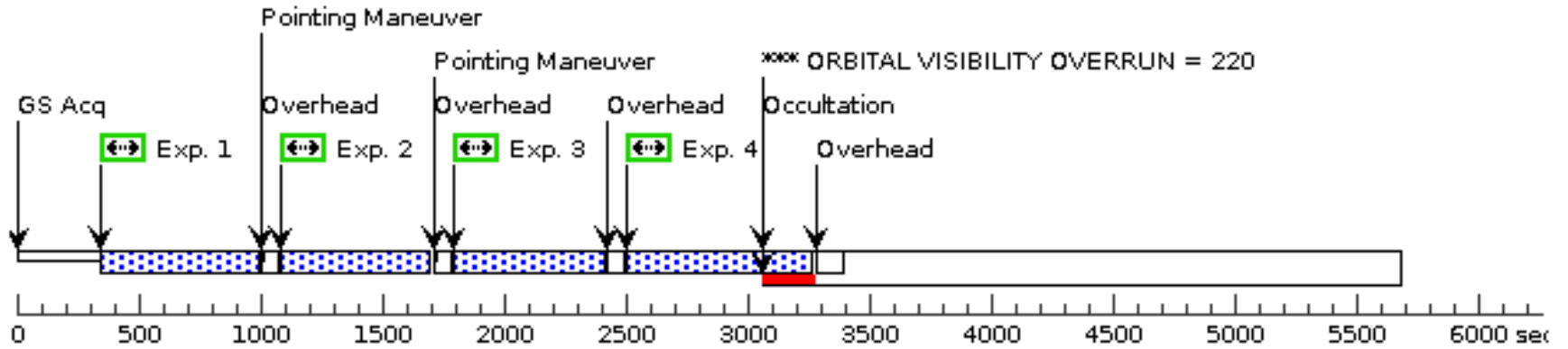
Proposal 16245 - j1243+46 wfc3-v2 (16) - Mapping Lyman alpha and ionization in the leakiest galaxies

Fri Jun 07 21:00:33 GMT 2024

Visit	Proposal 16245, j1243+46 wfc3-v2 (16), completed Diagnostic Status: Warning Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none) <i>Comments: UVIS/F438W, UVIS/F621M and IR/F140W flash levels set to obtain a background of 19-20 e/pix</i>																																																																																																																		
	Diagnosics (j1243+46 wfc3-v2 (16)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (j1243+46 wfc3-v2 (16)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (j1243+46 wfc3-v2 (16)) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE (Exposure 4 (j1243+46 wfc3-v2 (16))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 5 (j1243+46 wfc3-v2 (16))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 6 (j1243+46 wfc3-v2 (16))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser																																																																																																																		
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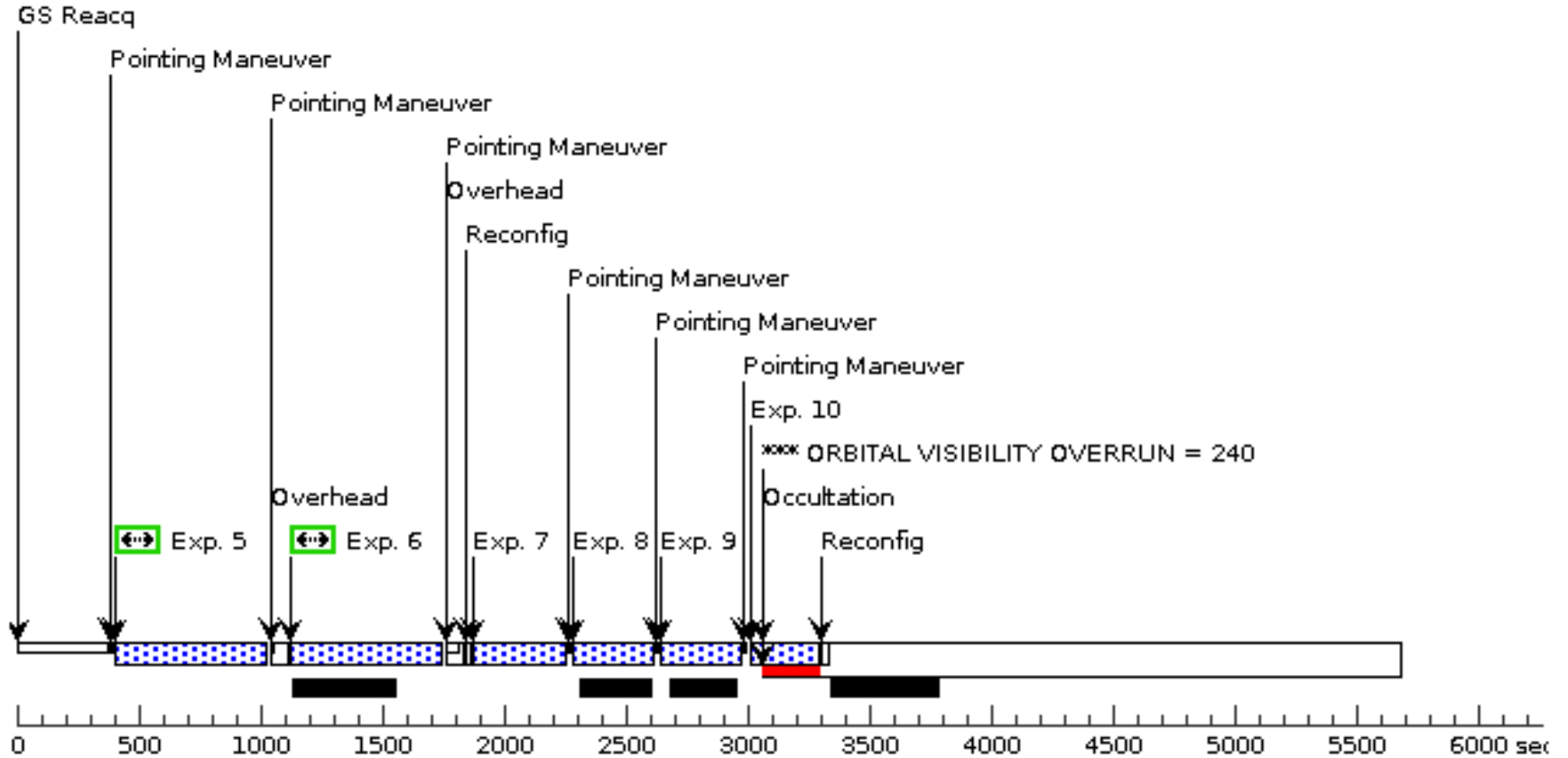
Orbit 1

Server Version: 20240604



Orbit Structure

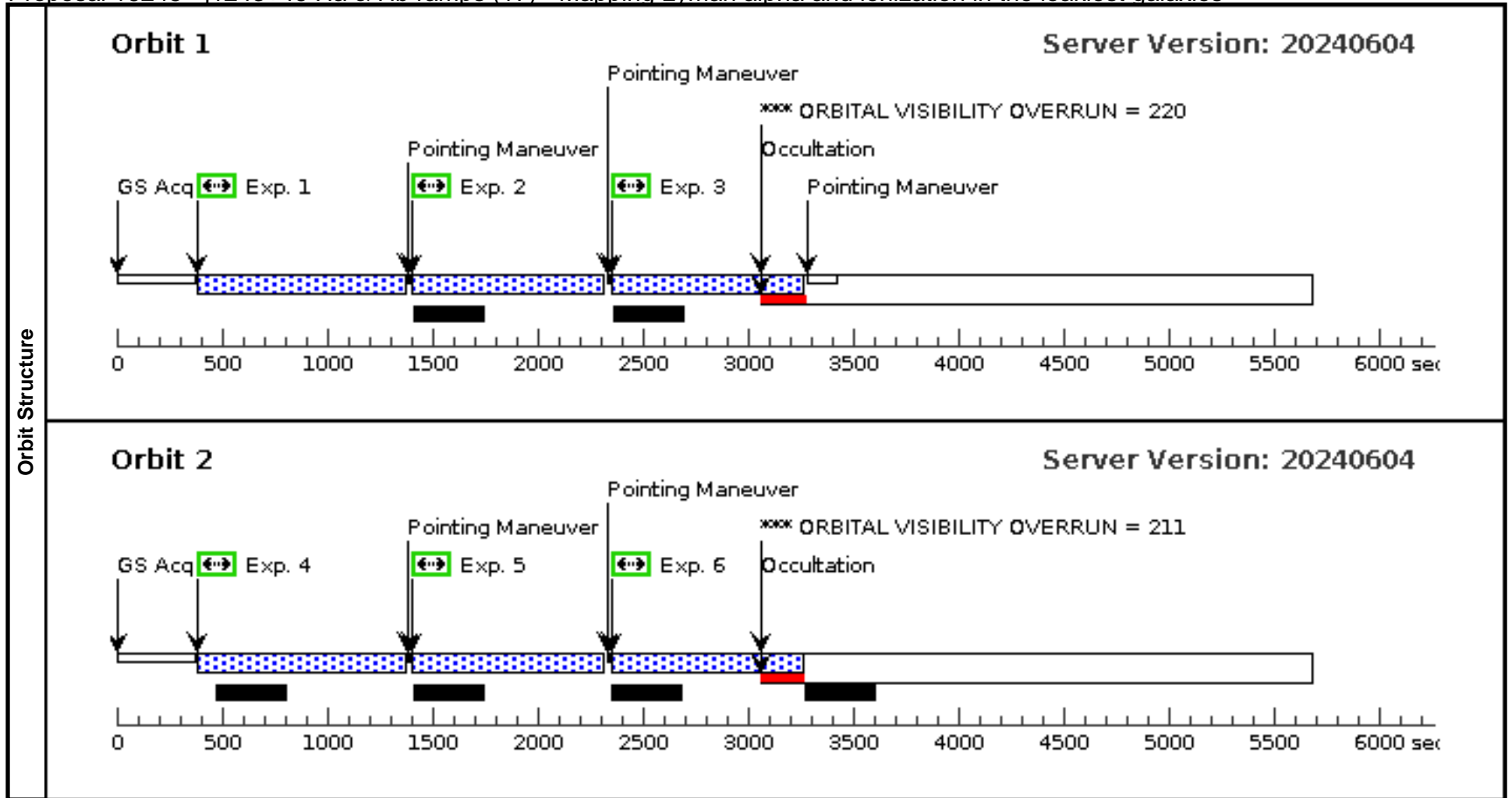
Orbit 2



Proposal 16245 - j1243+46 Ha & Hb ramps (17) - Mapping Lyman alpha and ionization in the leakiest galaxies

Fri Jun 07 21:00:33 GMT 2024

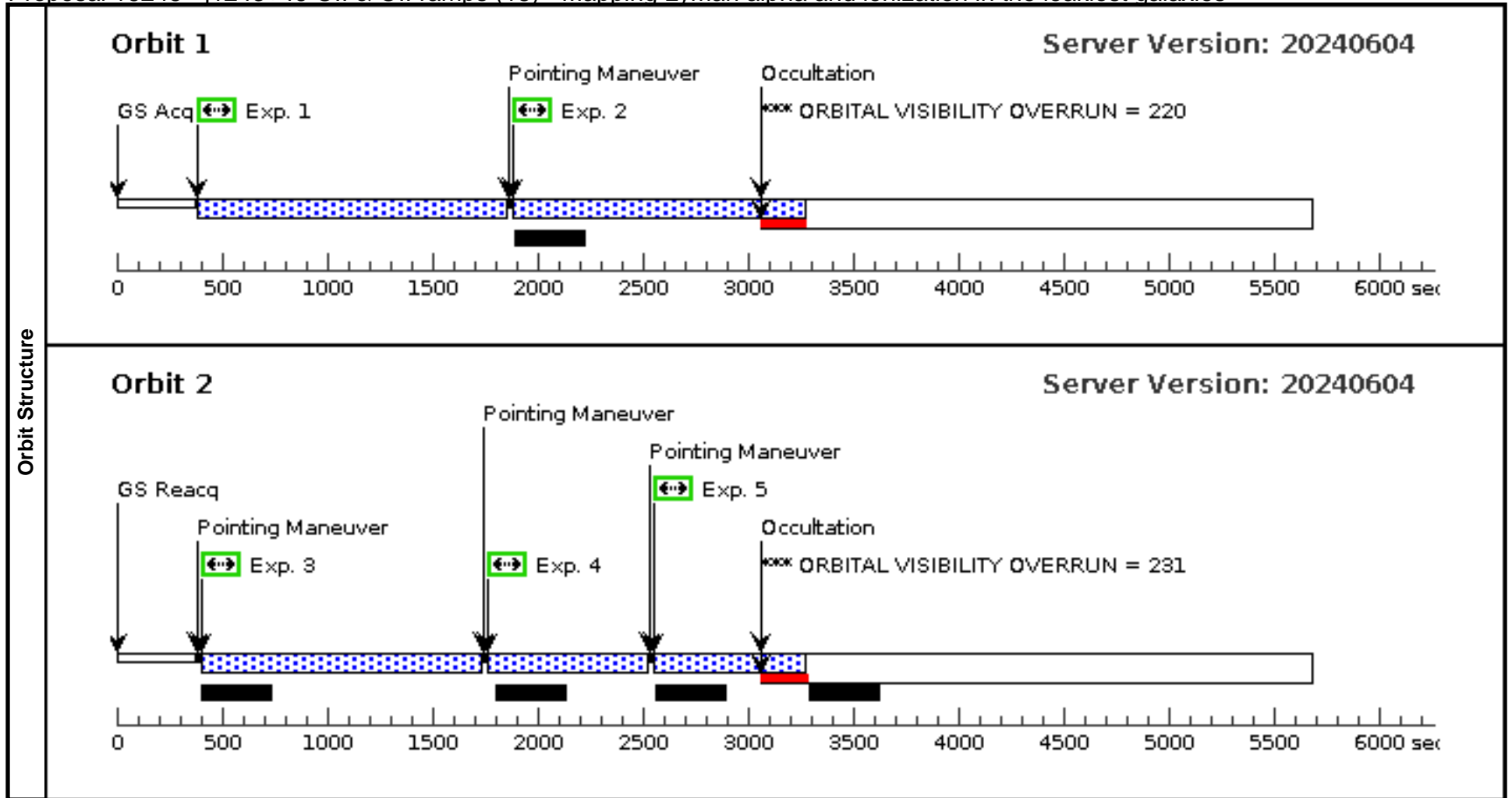
Visit	Proposal 16245, j1243+46 Ha & Hb ramps (17), completed Diagnostic Status: Warning Scientific Instruments: ACS/WFC Special Requirements: (none) <i>Comments: Ramp filter observations of H-alpha and H-beta</i>																																																																											
	Diagnosics (j1243+46 Ha & Hb ramps (17)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (j1243+46 Ha & Hb ramps (17)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (H-alpha (17.002)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp filters as central wavelengths & transmission efficiencies vary within the apertures. (H-alpha (17.003)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp filters as central wavelengths & transmission efficiencies vary within the apertures. (H-beta (17.005)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp filters as central wavelengths & transmission efficiencies vary within the apertures. (H-beta (17.006)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp filters as central wavelengths & transmission efficiencies vary within the apertures.																																																																											
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Proposal 16245 - j1243+46 OII & OII ramps (18) - Mapping Lyman alpha and ionization in the leakiest galaxies

Fri Jun 07 21:00:33 GMT 2024

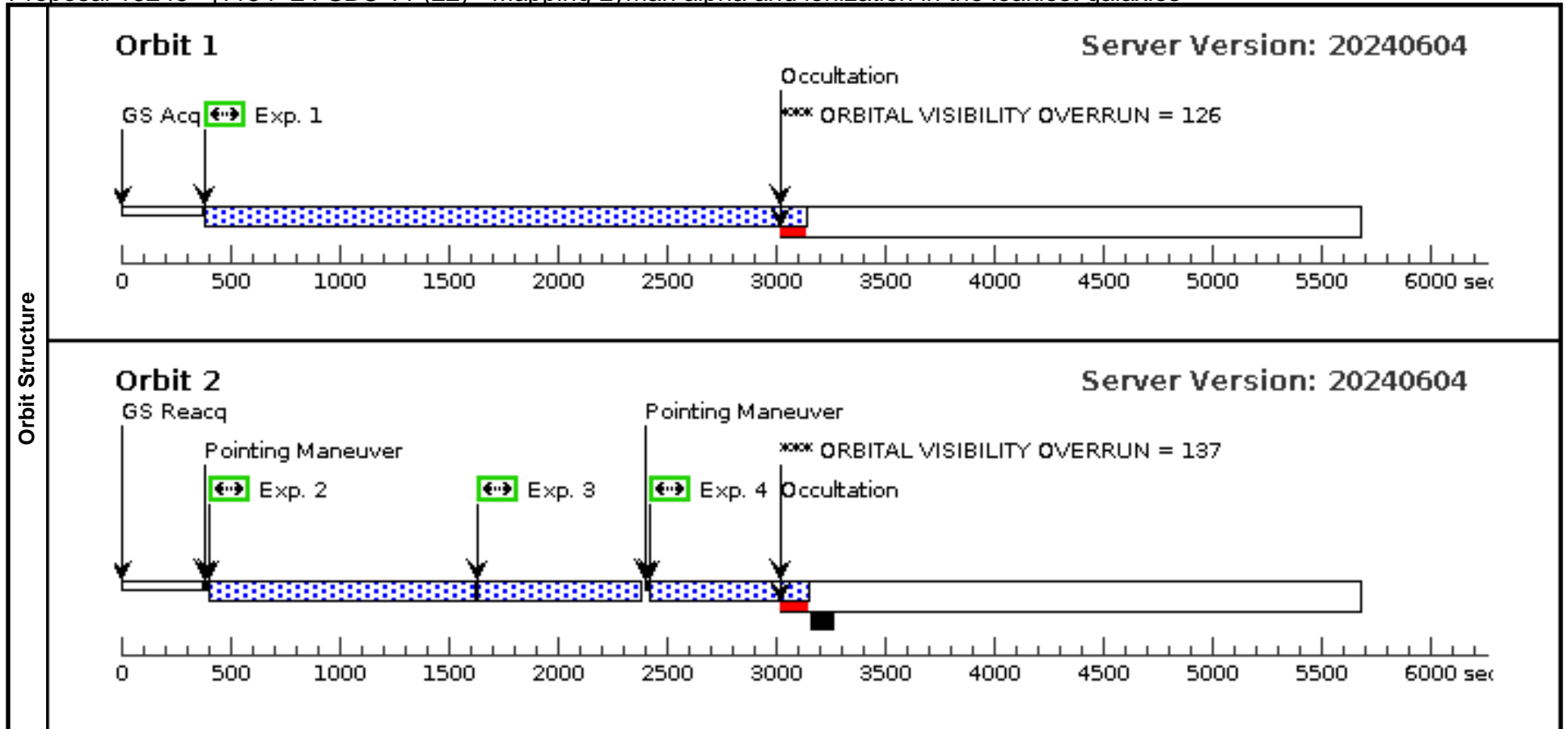
Visit	Proposal 16245, j1243+46 OII & OII ramps (18), failed Diagnostic Status: Warning Scientific Instruments: ACS/WFC Special Requirements: (none) <i>Comments: ramp filter observations of [OII] and [OIII]</i>																																																																				
	Diagnosics (j1243+46 OII & OII ramps (18)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (j1243+46 OII & OII ramps (18)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN ([OII] (18.002)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp filters as central wavelengths & transmission efficiencies vary within the apertures. ([OII] (18.003)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp filters as central wavelengths & transmission efficiencies vary within the apertures. ([OIII] (18.005)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp filters as central wavelengths & transmission efficiencies vary within the apertures.																																																																				
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Proposal 16245 - j1154+24 SBC-v1 (22) - Mapping Lyman alpha and ionization in the leakiest galaxies

Fri Jun 07 21:00:34 GMT 2024

Visit	<p>Proposal 16245, j1154+24 SBC-v1 (22), completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: ACS/SBC</p> <p>Special Requirements: (none)</p> <p><i>Comments: Message to the schedulers: Please make sure that ACS/SBC was not used (and that the high voltage was turned off) during the past 5 hours prior to this visit. This reason for this request is to ensure that the SBC detector is cool at the start of the visit, and to maintain the temperature at <25 C for the duration of the visit, so that the dark current does not ramp up to unacceptable levels.</i></p>										
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Diagnosics											
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
	(3)	SDSS-J115448.85+244333.0	RA: 11 54 48.8520 (178.7035500d) Dec: +24 43 33.13 (24.72587d) Equinox: J2000		V=21.77+/-0.05 GALEX FUV = 21.1 mag (AB)	Reference Frame: NED					
<p><i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i></p> <p><i>Category=GALAXY</i></p> <p><i>Description=[STARBURST]</i></p> <p><i>Extended=YES</i></p>											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	(1452026)	(3) SDSS-J115448.85+244333.0	ACS/SBC, ACCUM, SBC	F165LP				2693 Secs (2693 Secs)		
									[==>]	[1]	
	2	(1452026)	(3) SDSS-J115448.85+244333.0	ACS/SBC, ACCUM, SBC	F165LP		POS TARG -0.2873, -0.2860			1197 Secs (1197 Secs)	
									[==>]	[2]	
	3	(1452024)	(3) SDSS-J115448.85+244333.0	ACS/SBC, ACCUM, SBC	F140LP			SAME POS AS 2		700 Secs (700 Secs)	
								[==>]	[2]		
4	(1452024)	(3) SDSS-J115448.85+244333.0	ACS/SBC, ACCUM, SBC	F140LP			SAME POS AS 1		700 Secs (700 Secs)		
								[==>]	[2]		



Proposal 16245 - j1154+24 SBC-v2 (23) - Mapping Lyman alpha and ionization in the leakiest galaxies

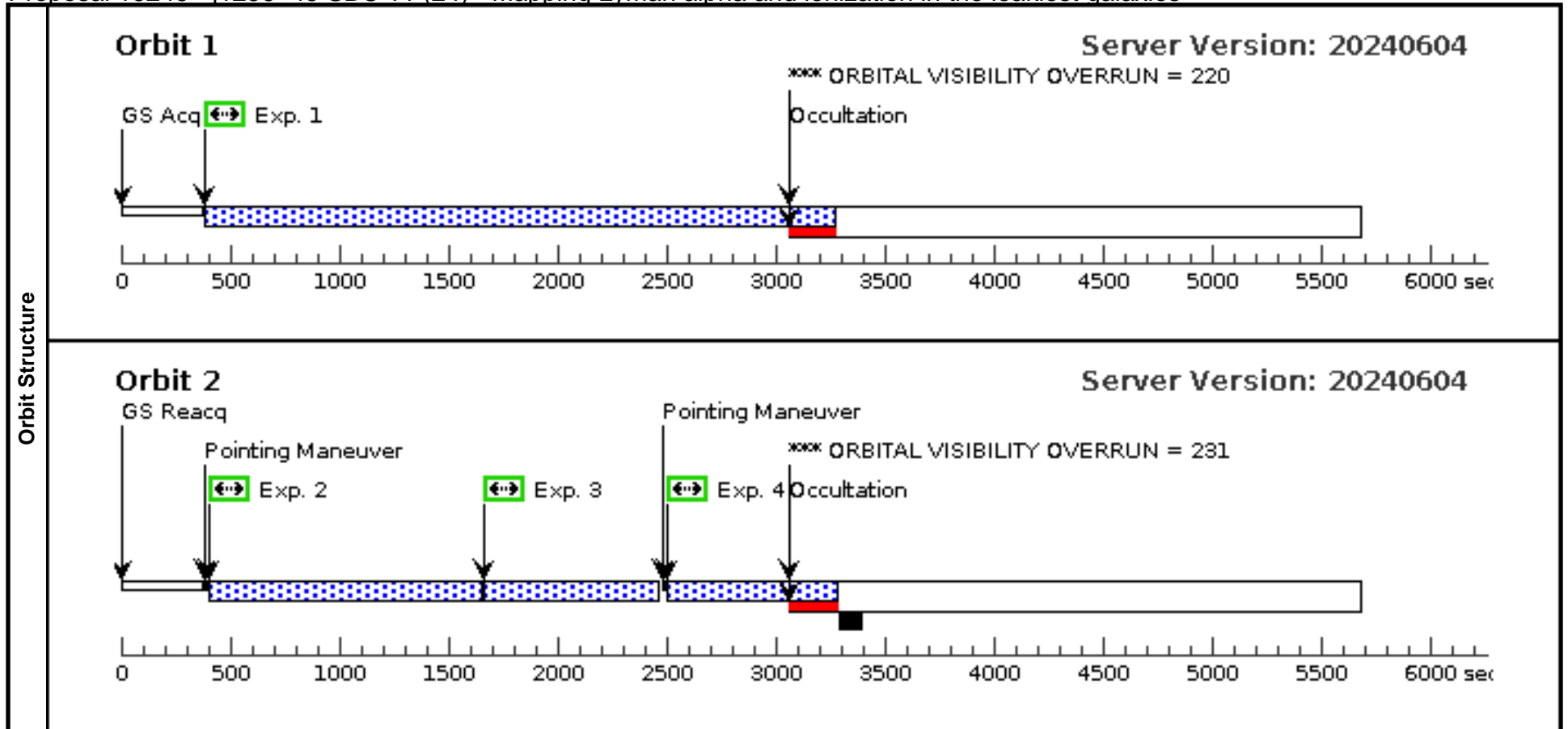
Fri Jun 07 21:00:34 GMT 2024

Visit	Proposal 16245, j1154+24 SBC-v2 (23), completed Diagnostic Status: Warning Scientific Instruments: ACS/SBC Special Requirements: (none) <i>Comments: Message to the schedulers: Please make sure that ACS/SBC was not used (and that the high voltage was turned off) during the past 5 hours prior to this visit. This reason for this request is to ensure that the SBC detector is cool at the start of the visit, and to maintain the temperature at <25 C for the duration of the visit, so that the dark current does not ramp up to unacceptable levels.</i>																								
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	<p>Orbit 1 Server Version: 20240604</p> <p>GS Acq ↔ Exp. 1</p> <p>Occultation</p> <p>ORBITAL VISIBILITY OVERRUN = 126</p> <p>0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec</p>																								

Proposal 16245 - j1256+45 SBC-v1 (24) - Mapping Lyman alpha and ionization in the leakiest galaxies

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Proposal 16245 - j1256+45 SBC-v2 (25) - Mapping Lyman alpha and ionization in the leakiest galaxies

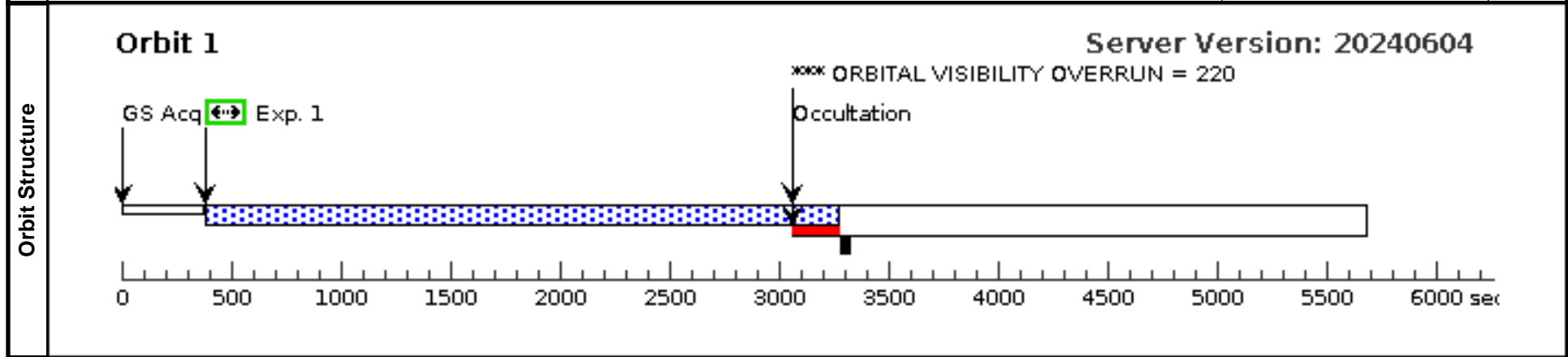
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Visit	<p>Proposal 16245, j1256+45 SBC-v2 (25), completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: ACS/SBC</p> <p>Special Requirements: (none)</p> <p><i>Comments: Message to the schedulers: Please make sure that ACS/SBC was not used (and that the high voltage was turned off) during the past 5 hours prior to this visit. This reason for this request is to ensure that the SBC detector is cool at the start of the visit, and to maintain the temperature at <25 C for the duration of the visit, so that the dark current does not ramp up to unacceptable levels.</i></p>
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(2)	SDSS-J125644.15+450917.1	RA: 12 56 44.1528 (194.1839700d) Dec: +45 09 17.21 (45.15478d) Equinox: J2000		V=21.22+/-0.05 GALEX FUV = 21.66 mag (AB)	Reference Frame: NED								

Exposures	<table border="1"> <thead> <tr> <th>#</th> <th>Label (ETC Run)</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 (Total)/[Actual Dur.]</th> <th>Orbit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>(1452021)</td> <td>(2) SDSS-J125644.15+450917.1</td> <td>ACS/SBC, ACCUM, SBC</td> <td>F165LP</td> <td></td> <td>POS TARG -0.5662, -0.5945</td> <td></td> <td>2821 Secs (2821 Secs) [==>]</td> <td>[1]</td> </tr> </tbody> </table>	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	1	(1452021)	(2) SDSS-J125644.15+450917.1	ACS/SBC, ACCUM, SBC	F165LP		POS TARG -0.5662, -0.5945		2821 Secs (2821 Secs) [==>]	[1]
	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit											
1	(1452021)	(2) SDSS-J125644.15+450917.1	ACS/SBC, ACCUM, SBC	F165LP		POS TARG -0.5662, -0.5945		2821 Secs (2821 Secs) [==>]	[1]												

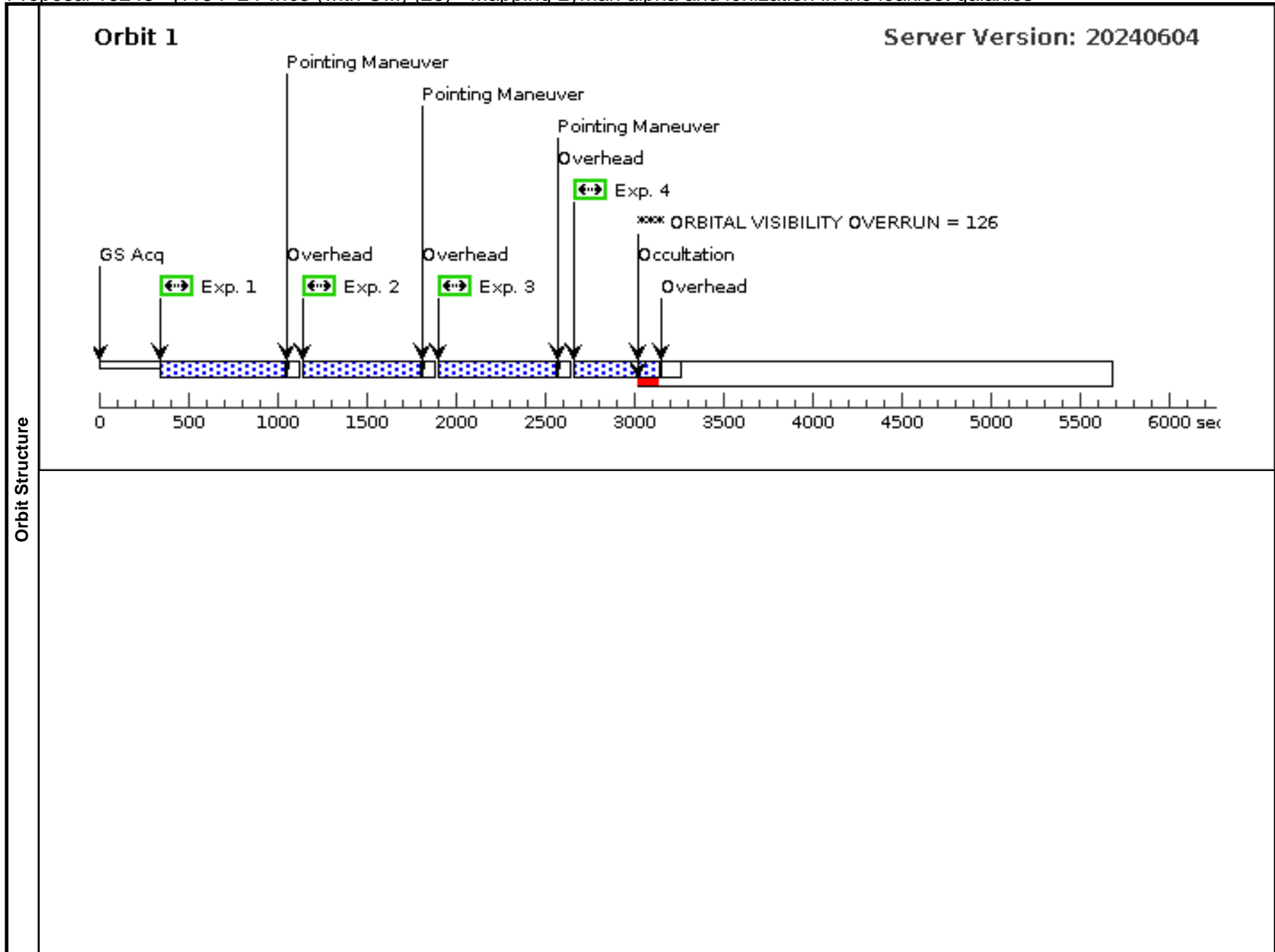


Proposal 16245 - j1154+24 wfc3 (with OIII) (26) - Mapping Lyman alpha and ionization in the leakiest galaxies

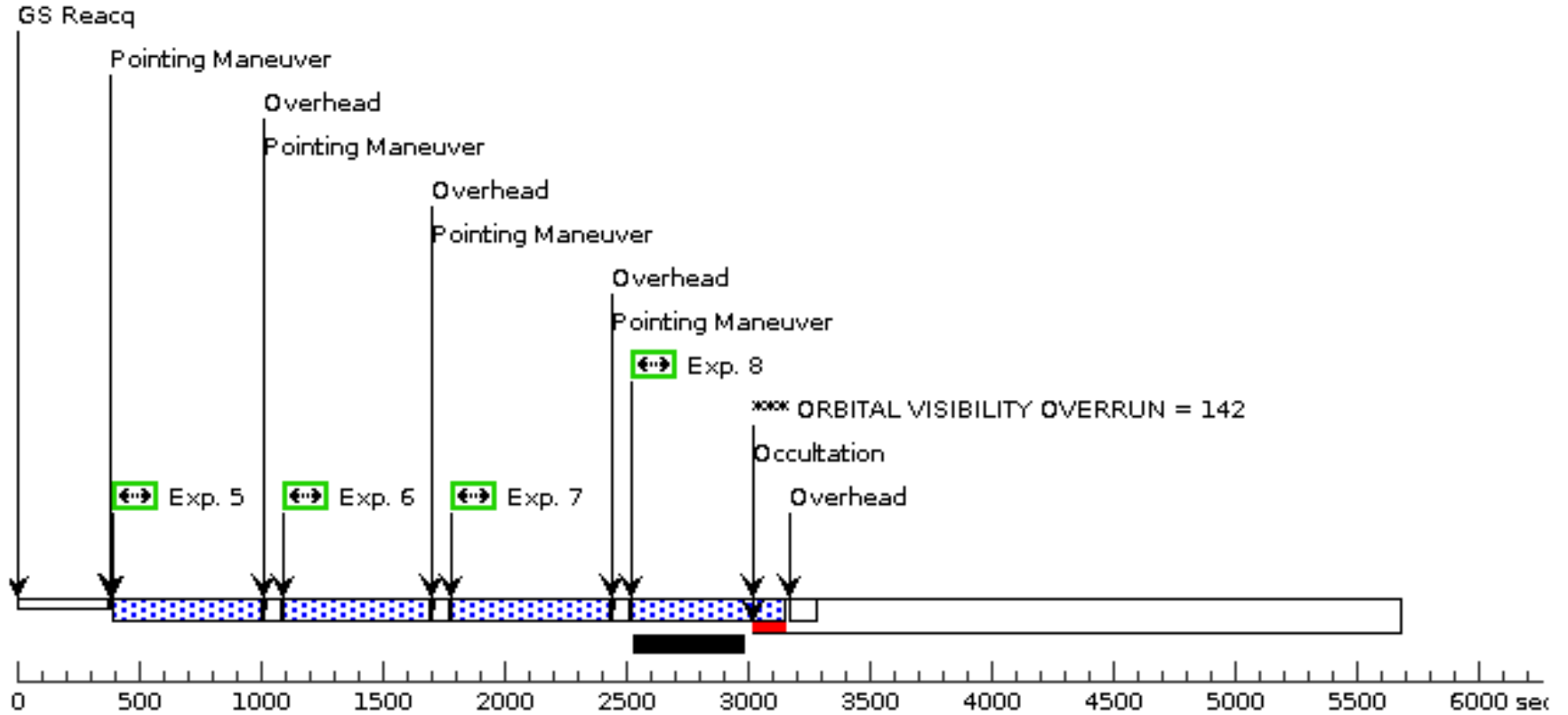
Visit	Proposal 16245, j1154+24 wfc3 (with OIII) (26), completed Fri Jun 07 21:00:34 GMT 2024 Diagnostic Status: Warning Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none) <i>Comments: broad band continuum + OIII + IR flash levels set to obtain a background of 19-20 e/pix</i>																
	Diagnostics	(j1154+24 wfc3 (with OIII) (26)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (j1154+24 wfc3 (with OIII) (26)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (j1154+24 wfc3 (with OIII) (26)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (j1154+24 wfc3 (with OIII) (26)) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE (j1154+24 wfc3 (with OIII) (26)) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE (Exposure 8 (j1154+24 wfc3 (with OIII) (26))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser															
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>SDSS- J115448.85+244333.0</td> <td>RA: 11 54 48.8520 (178.7035500d) Dec: +24 43 33.13 (24.72587d) Equinox: J2000</td> <td></td> <td>V=21.77+/-0.05 GALEX FUV = 21.1 mag (AB)</td> <td>Reference Frame: NED</td> </tr> </tbody> </table>					#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(3)	SDSS- J115448.85+244333.0	RA: 11 54 48.8520 (178.7035500d) Dec: +24 43 33.13 (24.72587d) Equinox: J2000		V=21.77+/-0.05 GALEX FUV = 21.1 mag (AB)
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous											
(3)	SDSS- J115448.85+244333.0	RA: 11 54 48.8520 (178.7035500d) Dec: +24 43 33.13 (24.72587d) Equinox: J2000		V=21.77+/-0.05 GALEX FUV = 21.1 mag (AB)	Reference Frame: NED												
<i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i> Category=GALAXY Description=[STARBURST] Extended=YES																	

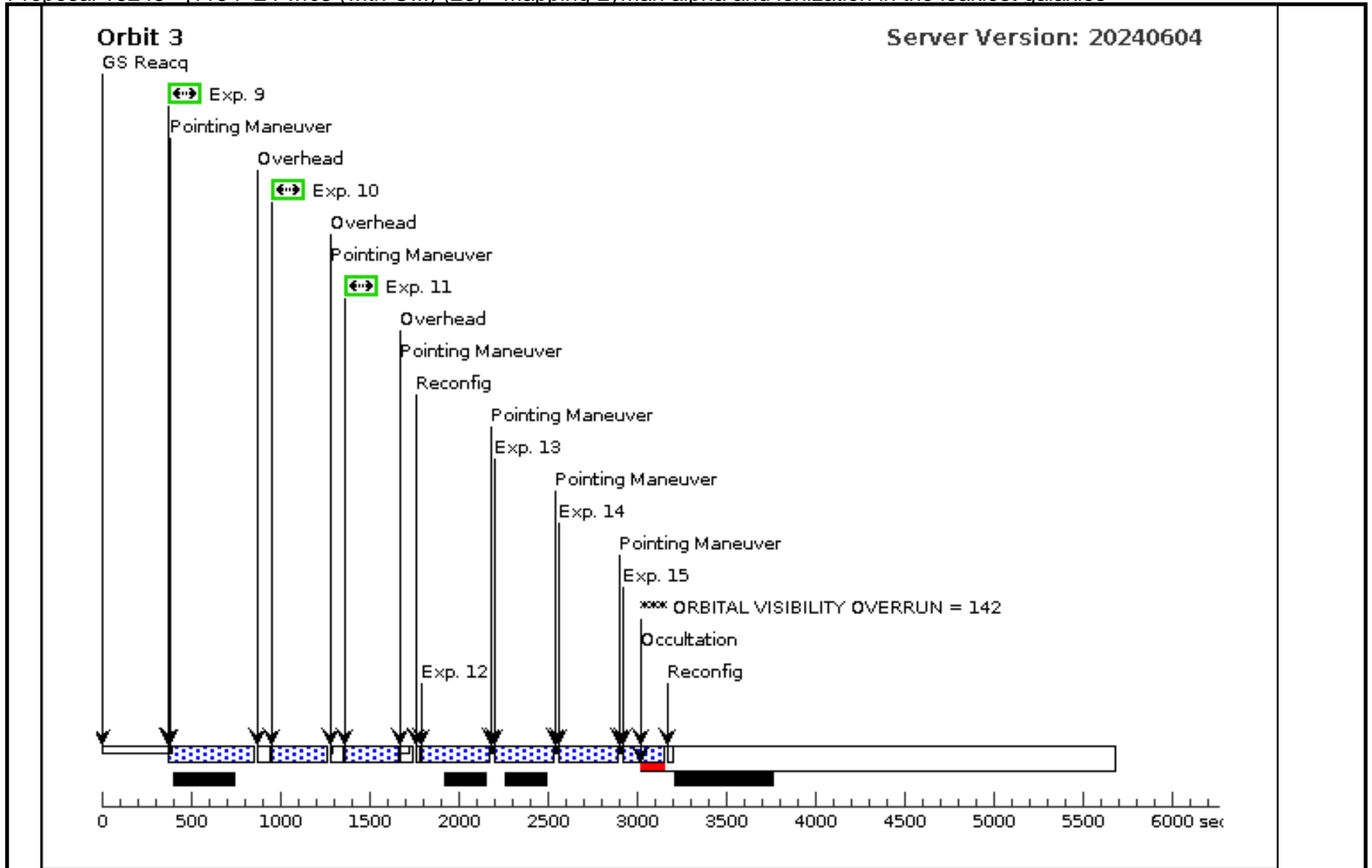
Proposal 16245 - j1154+24 wfc3 (with OIII) (26) - Mapping Lyman alpha and ionization in the leakiest galaxies

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(3) SDSS-J115448.8 5+244333.0	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F225W	FLASH=16			670 Secs (670 Secs) [==>]	[1]
	2		(3) SDSS-J115448.8 5+244333.0	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F225W	FLASH=16	POS TARG -2.799,- 2.785		665 Secs (665 Secs) [==>]	[1]
	3		(3) SDSS-J115448.8 5+244333.0	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F225W	FLASH=16	POS TARG 2.799,2. 785		665 Secs (665 Secs) [==>]	[1]
	4		(3) SDSS-J115448.8 5+244333.0	WFC3/UVIS, ACCUM, UVIS2-C1K1C-CTE	F775W	FLASH=8	POS TARG 2.806,2. 792		458 Secs (458 Secs) [==>]	[1]
	5		(3) SDSS-J115448.8 5+244333.0	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F438W	FLASH=12	SAME POS AS 1		600 Secs (600 Secs) [==>]	[2]
	6		(3) SDSS-J115448.8 5+244333.0	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F438W	FLASH=12	SAME POS AS 4		600 Secs (600 Secs) [==>]	[2]
	7		(3) SDSS-J115448.8 5+244333.0	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	FLASH=8	SAME POS AS 1		632 Secs (632 Secs) [==>]	[2]
	8		(3) SDSS-J115448.8 5+244333.0	WFC3/UVIS, ACCUM, UVIS2-C1K1C-CTE	F621M	FLASH=8	SAME POS AS 4		630 Secs (630 Secs) [==>]	[2]
	9		(3) SDSS-J115448.8 5+244333.0	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F775W	FLASH=8	SAME POS AS 1		461 Secs (461 Secs) [==>]	[3]
	10		(3) SDSS-J115448.8 5+244333.0	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F680N	FLASH=16	SAME POS AS 1		300 Secs (300 Secs) [==>]	[3]
	11		(3) SDSS-J115448.8 5+244333.0	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F680N	FLASH=16	SAME POS AS 4		300 Secs (300 Secs) [==>]	[3]
	12		(3) SDSS-J115448.8 5+244333.0	WFC3/IR, MULTIACCUM, IR	F140W	SAMP-SEQ=STEP5 0; NSAMP=12			349.232932 Secs (349.233 Secs) [==>]	[3]
	13		(3) SDSS-J115448.8 5+244333.0	WFC3/IR, MULTIACCUM, IR	F140W	SAMP-SEQ=STEP5 0; NSAMP=11	POS TARG 0.9788,1 .1495		299.232481 Secs (299.232 Secs) [==>]	[3]
	14		(3) SDSS-J115448.8 5+244333.0	WFC3/IR, MULTIACCUM, IR	F140W	SAMP-SEQ=STEP5 0; NSAMP=11	POS TARG 1.5525,0 .3328		299.232481 Secs (299.232 Secs) [==>]	[3]
15		(3) SDSS-J115448.8 5+244333.0	WFC3/IR, MULTIACCUM, IR	F140W	SAMP-SEQ=STEP5 0; NSAMP=9	POS TARG -0.9113, 0.8773		199.231579 Secs (199.232 Secs) [==>]	[3]	



Orbit 2



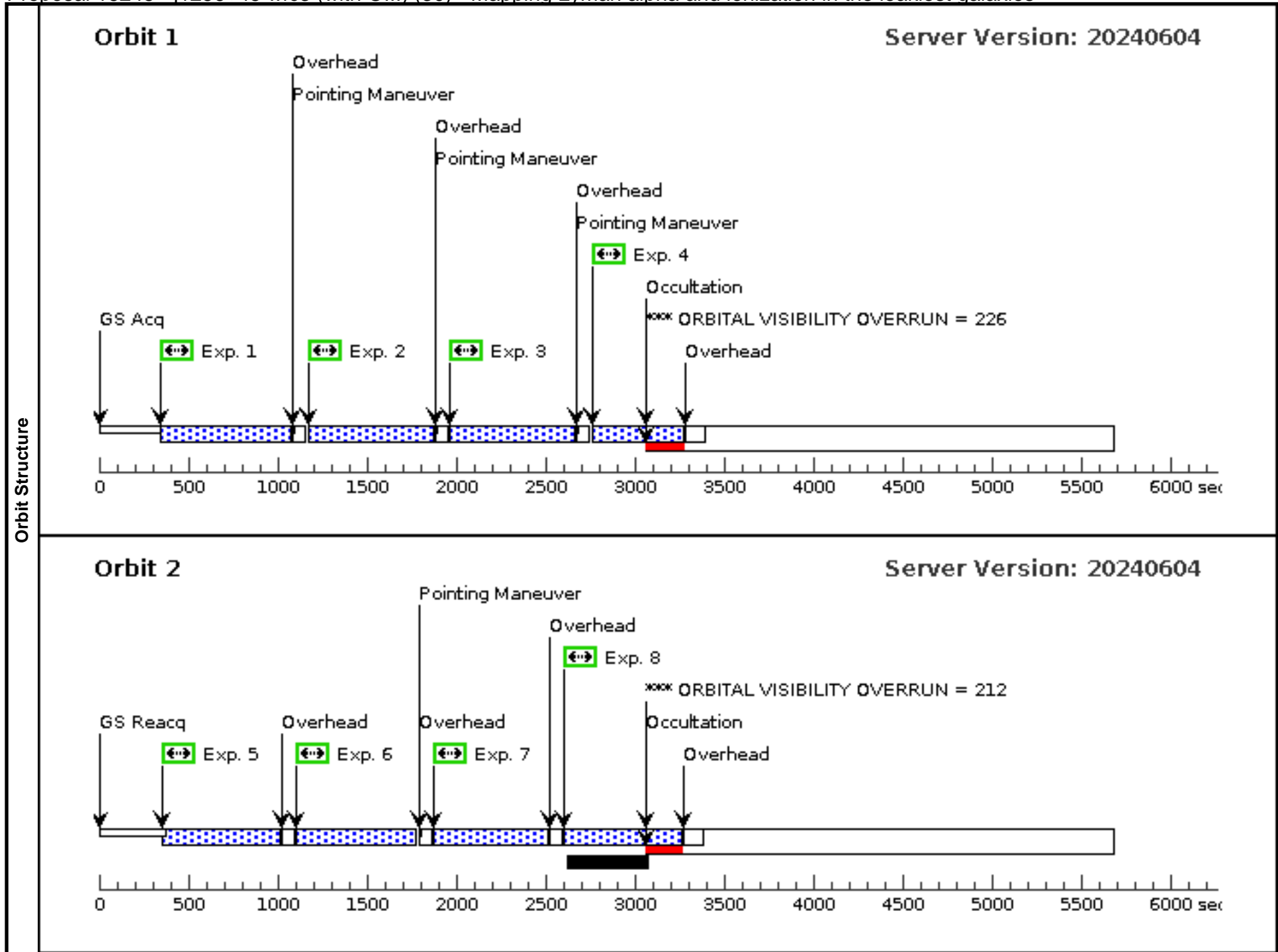


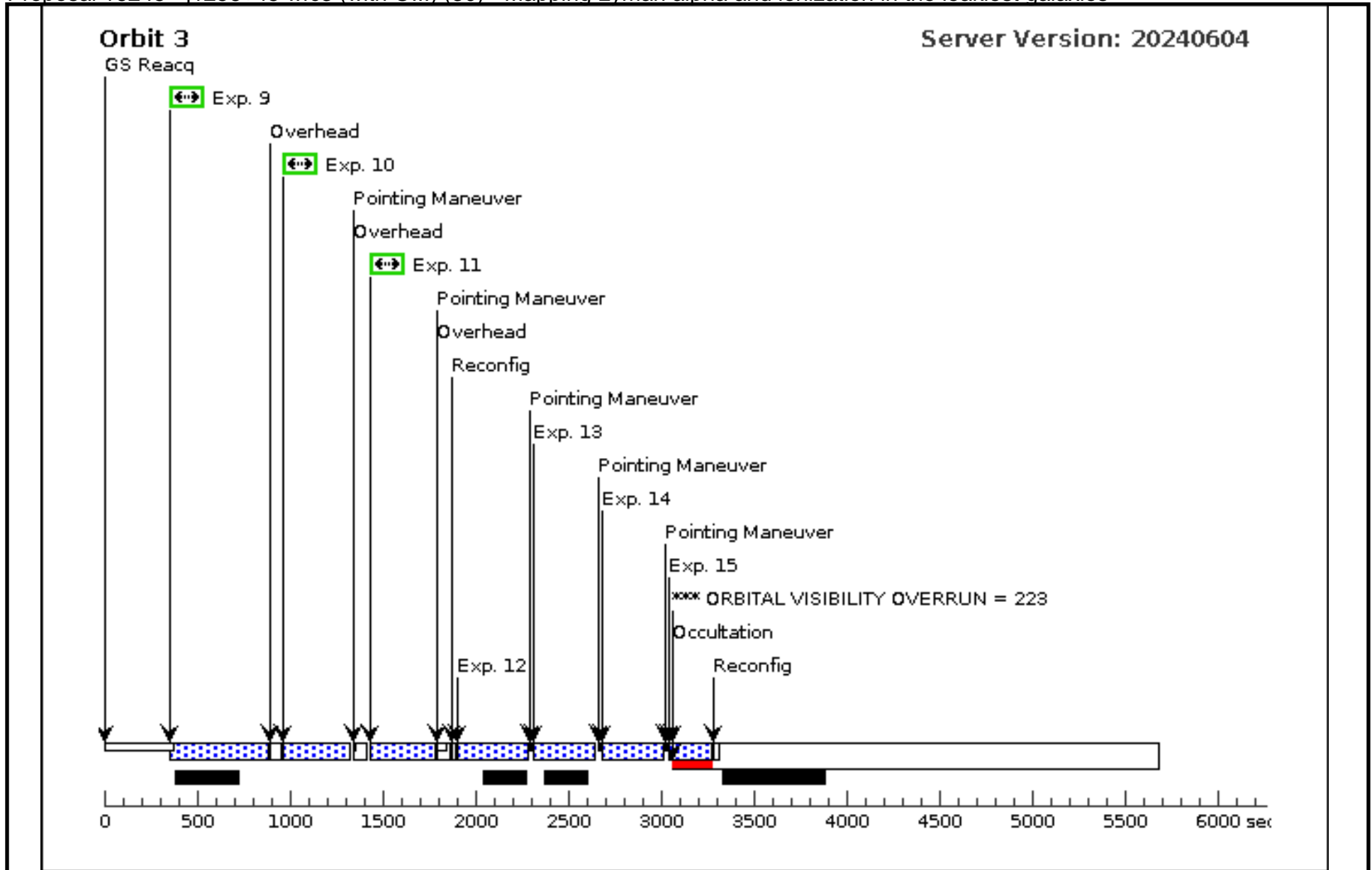
Proposal 16245 - j1256+45 wfc3 (with OIII) (30) - Mapping Lyman alpha and ionization in the leakiest galaxies

Visit	Proposal 16245, j1256+45 wfc3 (with OIII) (30), completed Fri Jun 07 21:00:34 GMT 2024 Diagnostic Status: Warning Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none) <i>Comments: broad band continuum + OIII + IR flash levels set to obtain a background of 19-20 e/pix</i>																
	Diagnostics	(j1256+45 wfc3 (with OIII) (30)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (j1256+45 wfc3 (with OIII) (30)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (j1256+45 wfc3 (with OIII) (30)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (j1256+45 wfc3 (with OIII) (30)) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE (j1256+45 wfc3 (with OIII) (30)) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE (j1256+45 wfc3 (with OIII) (30)) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE (j1256+45 wfc3 (with OIII) (30)) Warning (Orbit Planner): SAME POS MAY NOT BE APPROPRIATE (Exposure 4 (j1256+45 wfc3 (with OIII) (30))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser															
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>SDSS- J125644.15+450917.1</td> <td>RA: 12 56 44.1528 (194.1839700d) Dec: +45 09 17.21 (45.15478d) Equinox: J2000</td> <td></td> <td>V=21.22+/-0.05 GALEX FUV = 21.66 mag (AB)</td> <td>Reference Frame: NED</td> </tr> </tbody> </table>					#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(2)	SDSS- J125644.15+450917.1	RA: 12 56 44.1528 (194.1839700d) Dec: +45 09 17.21 (45.15478d) Equinox: J2000		V=21.22+/-0.05 GALEX FUV = 21.66 mag (AB)
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous											
(2)	SDSS- J125644.15+450917.1	RA: 12 56 44.1528 (194.1839700d) Dec: +45 09 17.21 (45.15478d) Equinox: J2000		V=21.22+/-0.05 GALEX FUV = 21.66 mag (AB)	Reference Frame: NED												
<i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i> Category=GALAXY Description=[STARBURST] Extended=YES																	

Proposal 16245 - j1256+45 wfc3 (with OIII) (30) - Mapping Lyman alpha and ionization in the leakiest galaxies

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
Exposures	1	(2) SDSS-J125644.1 5+450917.1	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F225W	FLASH=16			700 Secs (700 Secs)	[1]	
	2	(2) SDSS-J125644.1 5+450917.1	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F225W	FLASH=16	POS TARG -2.799,- 2.785		700 Secs (700 Secs)	[1]	
	3	(2) SDSS-J125644.1 5+450917.1	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F225W	FLASH=16	POS TARG 2.799,2. 785		700 Secs (700 Secs)	[1]	
	4	(2) SDSS-J125644.1 5+450917.1	WFC3/UVIS, ACCUM, UVIS2-C1K1C-CTE	F775W	FLASH=7	POS TARG 2.806,2. 792		492 Secs (492 Secs)	[1]	
	5	(2) SDSS-J125644.1 5+450917.1	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F621M	FLASH=8	SAME POS AS 4		641 Secs (641 Secs)	[2]	
	6	(2) SDSS-J125644.1 5+450917.1	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F438W	FLASH=12	SAME POS AS 4		640 Secs (640 Secs)	[2]	
	7	(2) SDSS-J125644.1 5+450917.1	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F438W	FLASH=12	SAME POS AS 1		640 Secs (640 Secs)	[2]	
	8	(2) SDSS-J125644.1 5+450917.1	WFC3/UVIS, ACCUM, UVIS2-C1K1C-CTE	F621M	FLASH=8	SAME POS AS 1		641 Secs (641 Secs)	[2]	
	9	(2) SDSS-J125644.1 5+450917.1	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F775W	FLASH=7	SAME POS AS 1		502 Secs (502 Secs)	[3]	
	10	(2) SDSS-J125644.1 5+450917.1	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F680N	FLASH=16	SAME POS AS 1		350 Secs (350 Secs)	[3]	
	11	(2) SDSS-J125644.1 5+450917.1	WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB	F680N	FLASH=16	SAME POS AS 4		350 Secs (350 Secs)	[3]	
	12	(2) SDSS-J125644.1 5+450917.1	WFC3/IR, MULTIACCUM, IR	F140W	SAMP-SEQ=STEP5 0; NSAMP=12			349.232932 Secs (349.233 Secs)	[3]	
	13	(2) SDSS-J125644.1 5+450917.1	WFC3/IR, MULTIACCUM, IR	F140W	SAMP-SEQ=STEP5 0; NSAMP=11	POS TARG 0.9788,1 .1495		299.232481 Secs (299.232 Secs)	[3]	
	14	(2) SDSS-J125644.1 5+450917.1	WFC3/IR, MULTIACCUM, IR	F140W	SAMP-SEQ=STEP5 0; NSAMP=11	POS TARG 1.5525,0 .3328		299.232481 Secs (299.232 Secs)	[3]	
	15	(2) SDSS-J125644.1 5+450917.1	WFC3/IR, MULTIACCUM, IR	F140W	SAMP-SEQ=STEP5 0; NSAMP=9	POS TARG -0.9113, 0.8773		199.231579 Secs (199.232 Secs)	[3]	

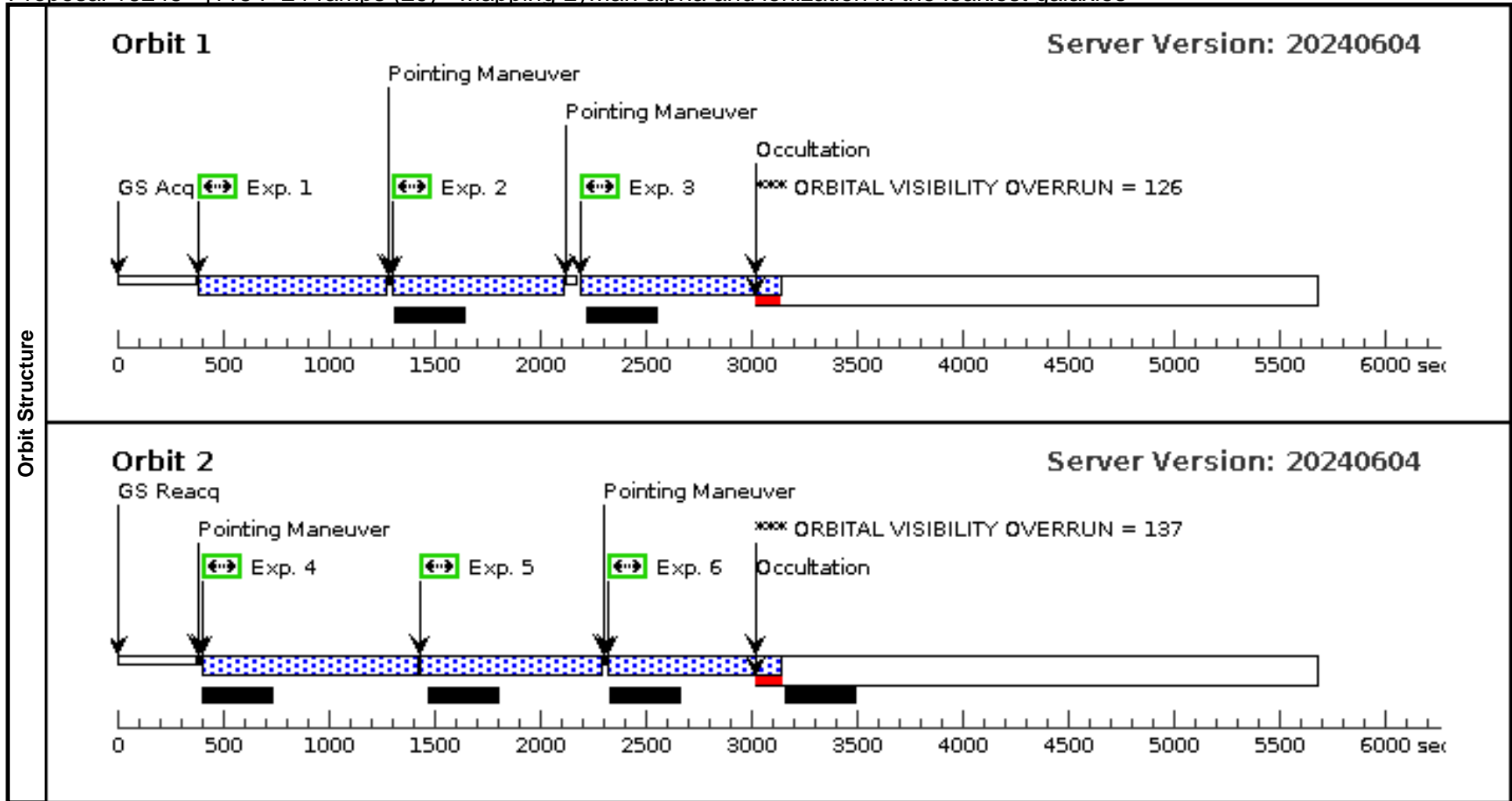




Proposal 16245 - j1154+24 ramps (29) - Mapping Lyman alpha and ionization in the leakiest galaxies

Fri Jun 07 21:00:34 GMT 2024

Visit	Proposal 16245, j1154+24 ramps (29), failed Diagnostic Status: Warning Scientific Instruments: ACS/WFC Special Requirements: (none) <i>Comments: Ramp filter observations of H-alpha, H-beta and [OII]</i> <i>No OIII</i>																																																																										
	Diagnosics (j1154+24 ramps (29)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (j1154+24 ramps (29)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (H-alpha (29.002)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp filters as central wavelengths & transmission efficiencies vary within the apertures. ([OII] (29.004)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp filters as central wavelengths & transmission efficiencies vary within the apertures. (H-beta (29.005)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp filters as central wavelengths & transmission efficiencies vary within the apertures.																																																																										
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(3)	SDSS-J115448.85+244333.0	RA: 11 54 48.8520 (178.7035500d) Dec: +24 43 33.13 (24.72587d) Equinox: J2000		V=21.77+/-0.05 GALEX FUV = 21.1 mag (AB)	Reference Frame: NED																																																																						
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#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit																																																																		
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Proposal 16245 - j1154+24 ramps, partial repeat of 29 (Z9) - Mapping Lyman alpha and ionization in the leakiest galaxies

Fri Jun 07 21:00:34 GMT 2024

Visit
Proposal 16245, j1154+24 ramps, partial repeat of 29 (Z9), implementation
Diagnostic Status: Warning
 Scientific Instruments: ACS/WFC
 Special Requirements: (none)
 Comments: Ramp filter observations of H-alpha and [OII]
 Repeat of first failed orbit in visit 29 following HOPR 92624

Diagnostics
 (j1154+24 ramps, partial repeat of 29 (Z9)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN
 (H-alpha (Z9.002)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp filters as central wavelengths & transmission efficiencies vary within the apertures.

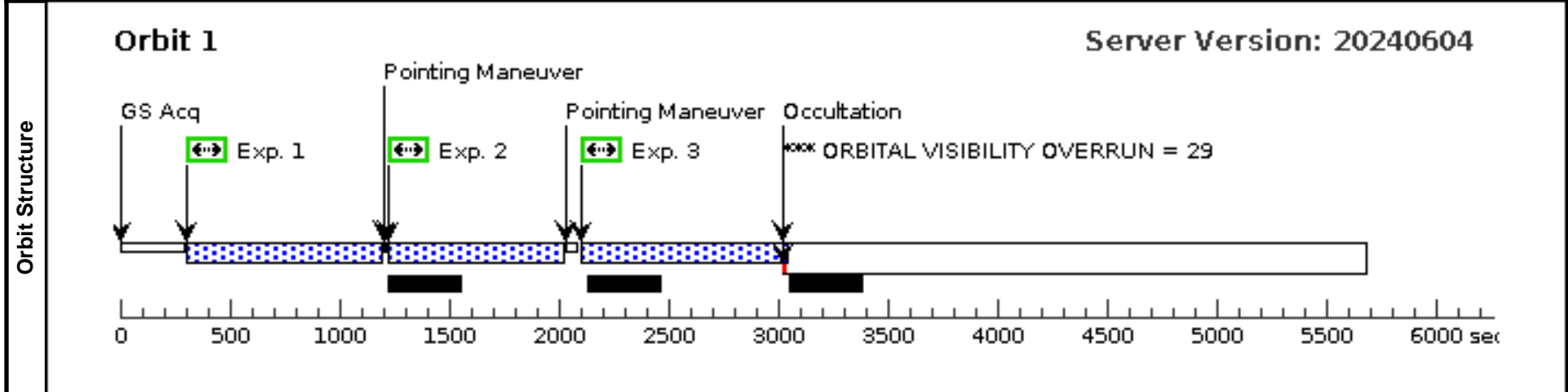
Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(3)	SDSS- J115448.85+244333.0	RA: 11 54 48.8520 (178.7035500d) Dec: +24 43 33.13 (24.72587d) Equinox: J2000		V=21.77+/-0.05 GALEX FUV = 21.1 mag (AB)	Reference Frame: NED

Comments: This object was generated by the targetselector and retrieved from the NED database.
 Category=GALAXY
 Description=[STARBURST]
 Extended=YES

Exposures

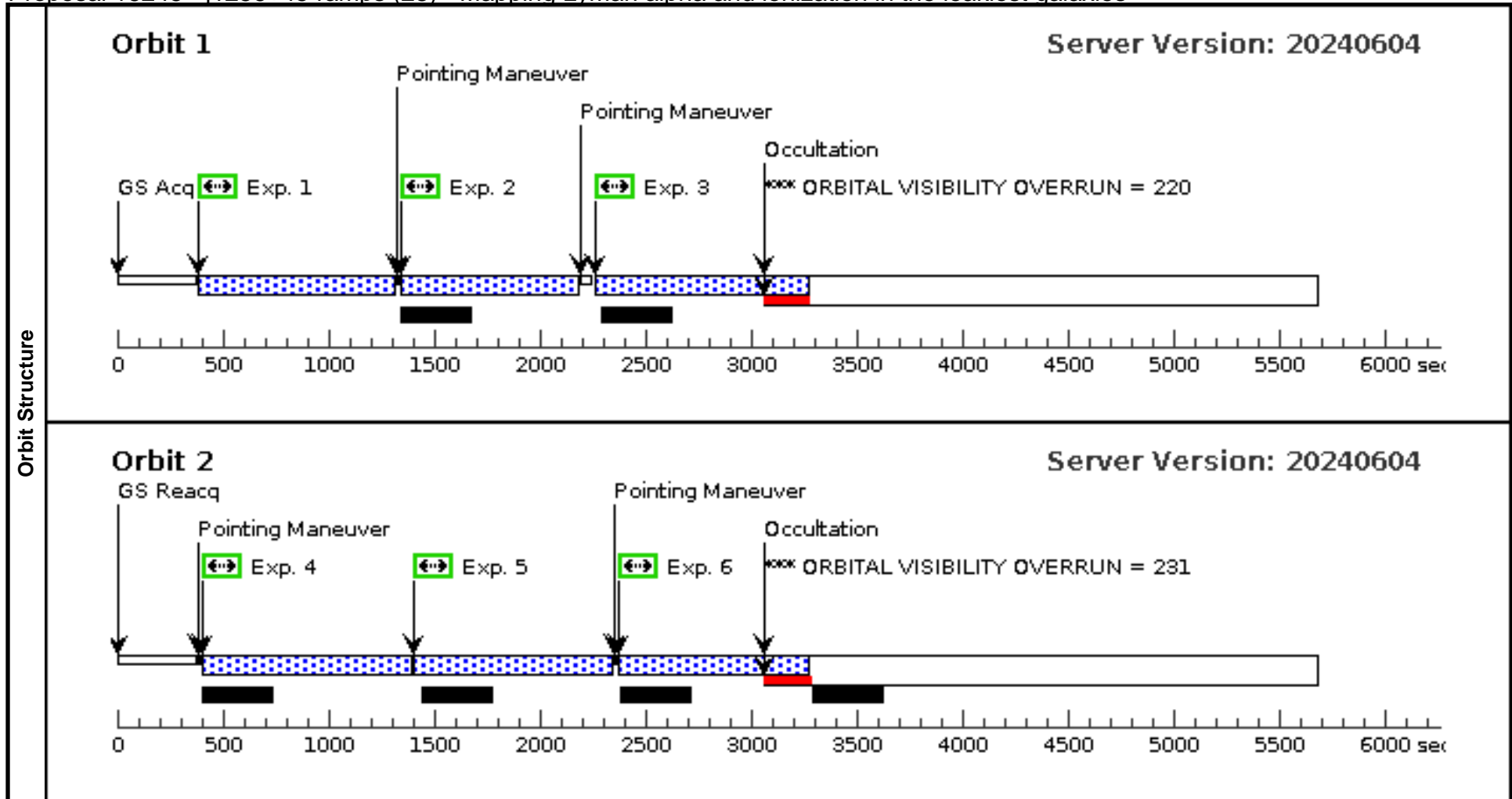
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	H-alpha	(3) SDSS-J115448.8 5+244333.0	ACS/WFC, ACCUM, WFC2-ORAMP	FR931N 8987 A		GS ACQ SCENARI O SINGLE		680 Secs (680 Secs) [==>]	[1]
2	H-alpha	(3) SDSS-J115448.8 5+244333.0	ACS/WFC, ACCUM, WFC2-ORAMP	FR931N 8987 A		POS TARG 0.2219,0 .2189		680 Secs (680 Secs) [==>]	[1]
3	[OII]	(3) SDSS-J115448.8 5+244333.0	ACS/WFC, ACCUM, WFC2-MRAMP	FR505N 5104 A				794 Secs (794 Secs) [==>]	[1]



Proposal 16245 - j1256+45 ramps (28) - Mapping Lyman alpha and ionization in the leakiest galaxies

Fri Jun 07 21:00:34 GMT 2024

Visit	Proposal 16245, j1256+45 ramps (28), completed Diagnostic Status: Warning Scientific Instruments: ACS/WFC Special Requirements: (none) <i>Comments: Ramp filter observations of H-alpha, H-beta and [OII]</i> <i>No OIII</i>									
	Diagnosics (j1256+45 ramps (28)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (j1256+45 ramps (28)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (H-alpha (28.002)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp filters as central wavelengths & transmission efficiencies vary within the apertures. ([OII] (28.004)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp filters as central wavelengths & transmission efficiencies vary within the apertures. (H-beta (28.005)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp filters as central wavelengths & transmission efficiencies vary within the apertures.									
Fixed Targets	# Name Target Coordinates Targ. Coord. Corrections Fluxes Miscellaneous	(2) SDSS- J125644.15+450917.1 RA: 12 56 44.1528 (194.1839700d) Dec: +45 09 17.21 (45.15478d) Equinox: J2000 V=21.22+/-0.05 Reference Frame: NED GALEX FUV = 21.66 mag (AB)								
	<i>Comments: This object was generated by the targetselector and retrieved from the NED database.</i> Category=GALAXY Description=[STARBURST] Extended=YES									
Exposures	# Label Target Config,Mode,Aperture Spectral Els. Opt. Params. Special Reqs. Groups Exp. Time (Total)/[Actual Dur.] Orbit	1 H-alpha (2) SDSS-J125644.1 5+450917.1 ACS/WFC, ACCUM, WFC1-IRAMP FR853N 8882 A 720 Secs (720 Secs) [==>] [1]								
	2 H-alpha (2) SDSS-J125644.1 5+450917.1 ACS/WFC, ACCUM, WFC1-IRAMP FR853N POS TARG 0.2219,0 8882 A .2189 720 Secs (720 Secs) [==>] [1]									
	3 [OII] (2) SDSS-J125644.1 5+450917.1 ACS/WFC, ACCUM, WFC1-MRAMP FR505N 5045 A 861 Secs (861 Secs) [==>] [1]									
	4 [OII] (2) SDSS-J125644.1 5+450917.1 ACS/WFC, ACCUM, WFC1-MRAMP FR505N POS TARG 0.2219,0 5045 A .2189 862 Secs (862 Secs) [==>] [2]									
	5 H-beta (2) SDSS-J125644.1 5+450917.1 ACS/WFC, ACCUM, WFC1-MRAMP FR656N POS TARG 0.2219,0 6579 A .2189 780 Secs (780 Secs) [==>] [2]									
	6 H-beta (2) SDSS-J125644.1 5+450917.1 ACS/WFC, ACCUM, WFC1-MRAMP FR656N 6579 A 780 Secs (780 Secs) [==>] [2]									



Proposal 16245 - HOPR 18 (Z8) - Mapping Lyman alpha and ionization in the leakiest galaxies

Fri Jun 07 21:00:34 GMT 2024

Visit	Proposal 16245, HOPR 18 (Z8), completed Diagnostic Status: Warning Scientific Instruments: ACS/WFC Special Requirements: (none) <i>Comments: ramp filter observations of [OII] and [OIII]</i>
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Diagnostics	(HOPR 18 (Z8)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN ([OII] (Z8.001)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp filters as central wavelengths & transmission efficiencies vary within the apertures. ([OIII] (Z8.003)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp filters as central wavelengths & transmission efficiencies vary within the apertures.
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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>SDSS-J124300.62+464650.5</td> <td>RA: 12 43 0.6360 (190.7526500d) Dec: +46 46 50.59 (46.78072d) Equinox: J2000</td> <td></td> <td>V=21.48+/-0.04 GALEX FUV = 21.31 mag (AB)</td> <td>Reference Frame: NED</td> </tr> </tbody> </table> <p><i>Comments: This object was generated by the targetselector and retrieved from the NED database. z=0.43 Category=GALAXY Description=[STARBURST] Extended=YES</i></p>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(1)	SDSS-J124300.62+464650.5	RA: 12 43 0.6360 (190.7526500d) Dec: +46 46 50.59 (46.78072d) Equinox: J2000		V=21.48+/-0.04 GALEX FUV = 21.31 mag (AB)	Reference Frame: NED
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous							
(1)	SDSS-J124300.62+464650.5	RA: 12 43 0.6360 (190.7526500d) Dec: +46 46 50.59 (46.78072d) Equinox: J2000		V=21.48+/-0.04 GALEX FUV = 21.31 mag (AB)	Reference Frame: NED								

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	[OII]	(1) SDSS-J124300.6 2+464650.5	ACS/WFC, ACCUM, WFC1-IRAMP	FR551N 5338 A		POS TARG -0.2137, -0.2108		1179 Secs (1179 Secs) [==>]	[1]
2	[OIII]	(1) SDSS-J124300.6 2+464650.5	ACS/WFC, ACCUM, WFC1-IRAMP	FR716N 7170 A				575 Secs (575 Secs) [==>]	[1]
3	[OIII]	(1) SDSS-J124300.6 2+464650.5	ACS/WFC, ACCUM, WFC1-IRAMP	FR716N 7170 A		POS TARG 0.2219,0 .2189		575 Secs (575 Secs) [==>]	[1]

