



15941 - UV emission line spectra of $z \sim 0.3-0.4$ Lyman continuum emitters a key reference to uncover the sources of cosmic reionization

Cycle: 27, Proposal Category: GO

(UV Initiative)

(Availability Mode: SUPPORTED)

INVESTIGATORS

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VISITS

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(1) J0925+1403	STIS/CCD STIS/NUV-MAMA	3	09-Jun-2022 10:00:43.0	yes
02	(2) J1152+3400	STIS/CCD STIS/NUV-MAMA	3	09-Jun-2022 10:00:44.0	yes

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
03	(3) J1333+6246	STIS/CCD STIS/NUV-MAMA	4	09-Jun-2022 10:00:46.0	yes
04	(4) J1442-0209	STIS/CCD STIS/NUV-MAMA	3	09-Jun-2022 10:00:47.0	yes
05	(5) J1503+3644	STIS/CCD STIS/NUV-MAMA	4	09-Jun-2022 10:00:49.0	yes
06	(6) J0901+2119	STIS/CCD STIS/NUV-MAMA	5	09-Jun-2022 10:00:51.0	yes
07	(7) J1011+1947	STIS/CCD STIS/NUV-MAMA	5	09-Jun-2022 10:00:53.0	yes
08	(8) J1243+4646	STIS/CCD STIS/NUV-MAMA	5	09-Jun-2022 10:00:55.0	yes
09	(9) J1248+4259	STIS/CCD STIS/NUV-MAMA	5	09-Jun-2022 10:00:57.0	yes
10	(10) J1256+4509	STIS/CCD STIS/NUV-MAMA	5	09-Jun-2022 10:00:59.0	yes
11	(10) J1256+4509	STIS/CCD STIS/NUV-MAMA	2	09-Jun-2022 10:01:00.0	yes

44 Total Orbits Used

ABSTRACT

Few UV templates of low- z star-forming galaxies covering all major UV emission lines between 1200 and 2000 Ang (i.e. Lyman-alpha, HeII, CIV, CIII], OIII], and others) exist and most importantly only one for galaxies with known Lyman continuum (LyC) leakage. Selecting for high [OIII]/[OII] optical line ratios and compactness, a breakthrough in the identification of Lyman continuum emitting galaxies has recently been achieved with COS/HST. Indeed, Izotov et al. (2016ab, 2018ab) have found eleven strongly star-forming galaxies at $z \sim 0.3-0.4$ with escape fractions $f_{\text{esc}} = 2-72\%$, which currently represent the best analogs of the sources of cosmic reionization. It is proposed to obtain full UV spectra of all the known $z \sim 0.3-0.4$ LyC emitters with STIS/HST. The emission line measurements will allow to address a variety of important questions regarding the consistency between UV and optical diagnostic diagrams, the behavior of CIII] emission in low metallicity galaxies, the hardness of the ionizing

spectrum of the LyC emitters, their ionizing photon production, the use of UV emission lines as an indirect indication for LyC escape, and others. The proposed observations will provide for the first time empirical UV emission line spectra of a sample of confirmed Lyman continuum emitters, which are rare at low redshift but whose properties are very similar to those of common high- z star-forming galaxies. Obtaining rest-UV spectra of known Lyman continuum emitters is both crucial and urgent in the quest for the understanding of cosmic reionization and its sources, and for upcoming studies with the JWST and the largest ground-based facilities.

OBSERVING DESCRIPTION

We aim at observing all the confirmed $z \sim 0.3 - 0.4$ LyC emitters discovered recently with the HST. This amounts to 11 sources, out of which one was already recently observed with STIS. The galaxies were selected for their high ratio $O32 > 5$, compactness, and strong emission lines. Their measured LyC escape fractions vary between 1.4 and 72 %, stellar masses between $1e8$ and 3×10^9 M_{sun} . The physical properties of the rare low- z sources selected here are very similar to those of typical star-forming galaxies observed at $z > 6$. They are thus the best known low- z analogs of the sources of cosmic reionization. At $z \sim 0.3 - 0.4$ the UV lines of interest here (primarily C iv 1550, He ii 1640, O iii] 1661,1666, C iii] 1907,1909) are at 2000 - 2800 Å, a range which is in principle observable with the NUV channel of COS or with STIS. STIS observations are preferred for this spectral range, since the NUV channel of COS is not well calibrated, STIS is more sensitive in the 1700 - 3200 Å domain, and has no spectral gaps. The goal is to obtain spatially integrated flux measurements for the emission lines. A low spectral resolution ($R \sim 750$) is thus sufficient. The G230L (MAMA) has a higher throughput than the G230LB (CCD) at < 2800 Å. Since most lines (C iv 1550, He ii 1640, O iii] 1661,1666) are at observed wavelengths 2000 - 2160 Å and C iii] 1907,1909 is likely the strongest, we prefer G230L (MAMA), even for the highest- z sources. The targets are very compact (by selection), both from ground-based imaging (SDSS) and from the COS NUV acquisition images, where the UV half-light radii are < 250 pc for all sources. The UV surface brightness profiles have exponential scale heights of 0.6 - 1.75 kpc, corresponding to 0.13 - 0.40 arcsec. Observations with the 0.5 arcsec slit will thus capture most of the emission line flux, even if it was somewhat more extended than the UV continuum. The wider slit (2 arcsec) is not optimal because it would degrade the spectral resolution and reduce the contrast of narrow nebular lines against the continuum, making them harder to detect. The exposure time was determined to reach a $S/N=3$ for weak lines of $EW_{\text{rest}} = 1 - 1.5$ Å, which will also place strong constraints on the emission lines in case of non-detection. C iii] 1908 equivalent widths of 5 - 15 Å are not uncommon in normal star-forming galaxies with low metallicities. The other targeted lines (C iv 1550, He ii 1640, and O iii] 1666) are normally weaker. We used the STIS ETC with as input the known continuum flux (determined from the observed UV/optical SEDs based on COS, SDSS spectra, and/or GALEX photometry at 2000 Å rest-frame. We adopted the extended object option with 0.4 arcsec in diameter. The acquisition time is calculated to obtain $SNR=40$ and adopting the surface brightness $g/0.4^{**2}$, where g is the SDSS g apparent magnitude. The science exposure is calculated to obtain $SNR=5$ for C iii] 1907,1909 line adopting its extent along the spectral and spatial axes of 15 pix and 20 pix, respectively. Then

Proposal 15941 (STScI Edit Number: 1, Created: Thursday, June 9, 2022 at 9:01:01 AM Eastern Standard Time) - Overview

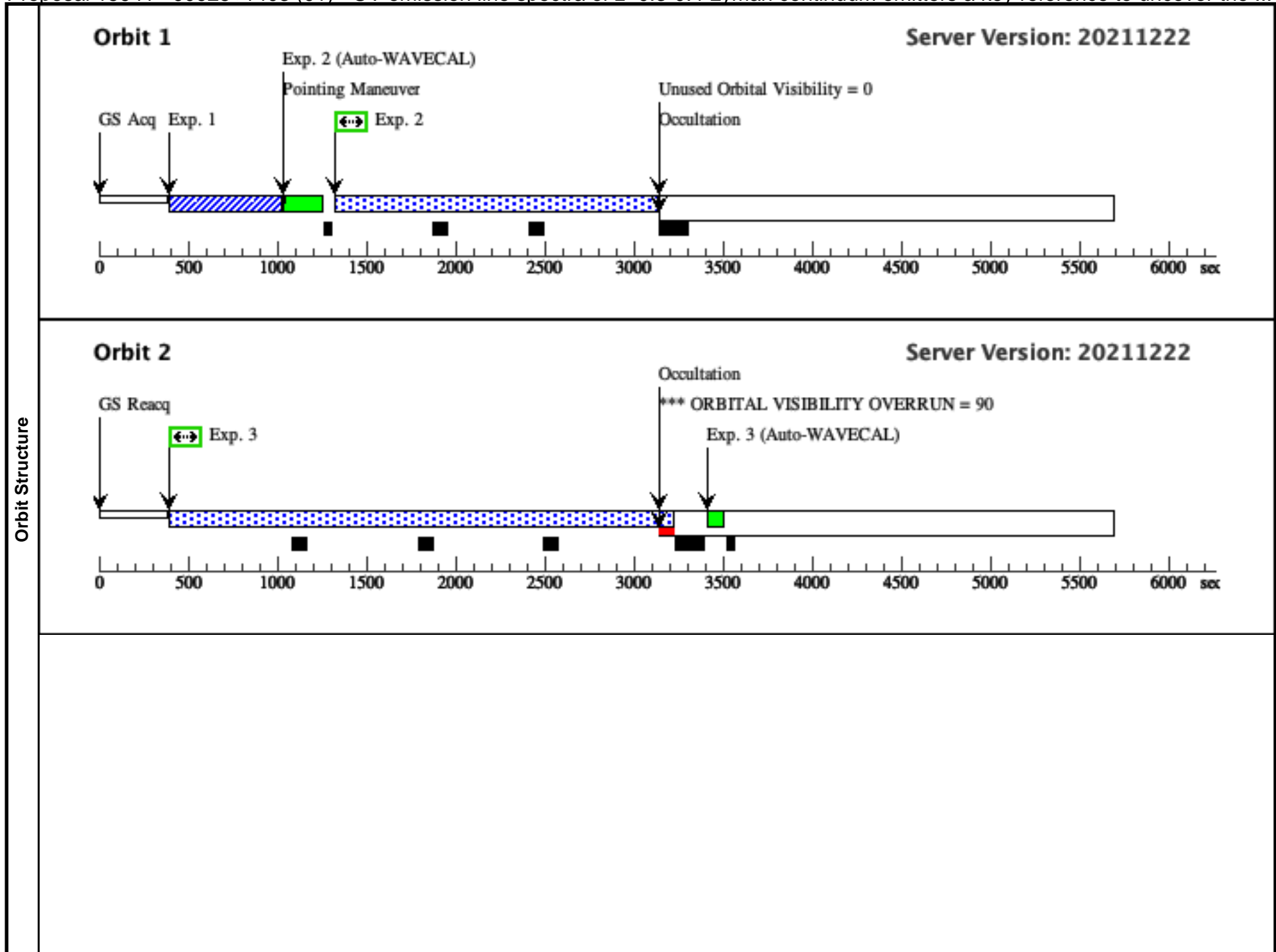
SNR=5 in the line would correspond to SNR in the continuum of $5/\sqrt{15 \times 20} \sim 0.2$. The total required time corresponds to 3-5 orbits per source. The sources are sufficiently bright and compact for standard target acquisition with short overheads. The total request amounts to 42 orbits for 10 targets. The recent STIS observations of one of the faintest $z \sim 0.3 - 0.4$ LyC emitters, J1154+2443, using the same settings as the proposed ones and with a similar exposure time (4 orbits), confirms the feasibility of the present observation.

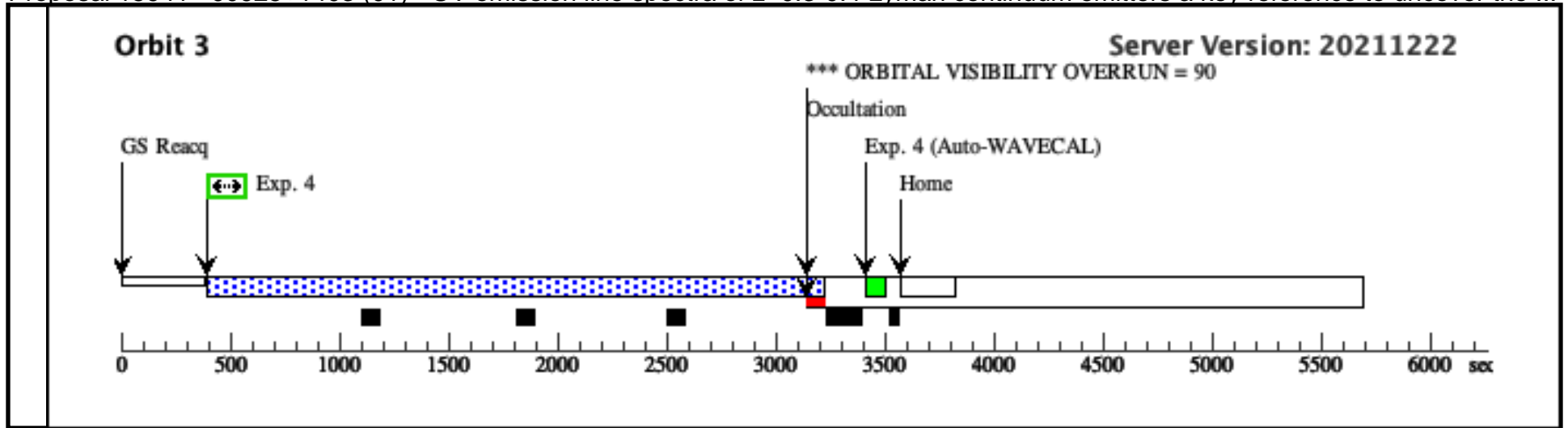
Our observations do not require repeated visits to the same galaxy and do not require constraints on the HST orientation. Therefore, operating HST in reduced gyro mode would likely affect our program a little, slightly increasing the time for acquisition and slightly reducing the time for science observations.

Proposal 15941 - J0925+1403 (01) - UV emission line spectra of z~0.3-0.4 Lyman continuum emitters a key reference to uncover the ...

Thu Jun 09 14:01:01 GMT 2022

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	2	J0925+1403 (STIS.sp.13 66572)	(1) J0925+1403	STIS/NUV-MAMA, TIME-TAG, 52X0.5	G230L 2376 A	BUFFER-TIME=53 0.0			1800.0 Secs (1771 Secs) [==>1771.0 Secs]	[1]
	3	J0925+1403 (STIS.sp.13 66572)	(1) J0925+1403	STIS/NUV-MAMA, TIME-TAG, 52X0.5	G230L 2376 A	BUFFER-TIME=70 0			3200.0 Secs (2819 Secs) [==>2819.0 Secs]	[2]
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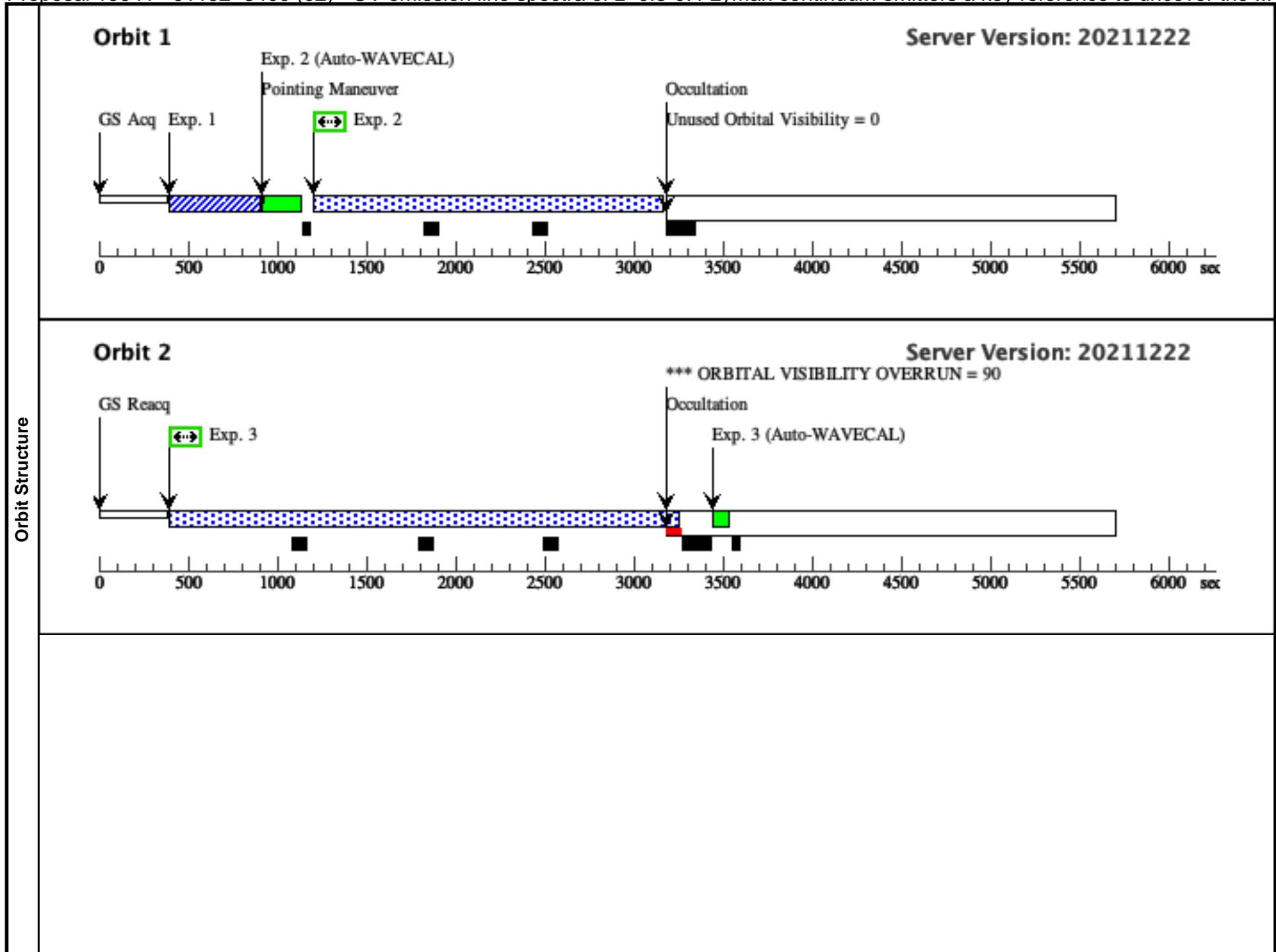


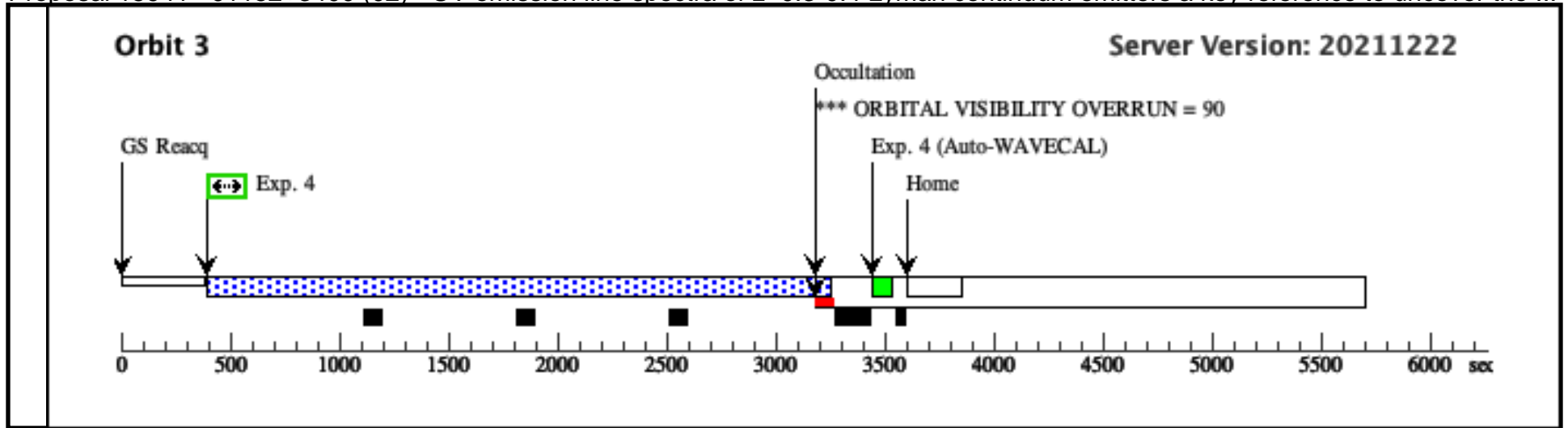


Proposal 15941 - J1152+3400 (02) - UV emission line spectra of z~0.3-0.4 Lyman continuum emitters a key reference to uncover the ...

Thu Jun 09 14:01:01 GMT 2022

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Diagnosics										
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	(2)	J1152+3400	RA: 11 52 4.8800 (178.0203333d) Dec: +34 00 49.88 (34.01386d) Equinox: J2000	Redshift: 0.3417	V=20.28+/-0.05 FUV=20.66+/-0.30, NUV=20.38+/-0.17, frest(1909)=0.8e-16 erg s-1 cm-2 A-1 in the continuum	Reference Frame: ICRS				
Comments: Category=GALAXY Description=[DWARF COMPACT, EMISSION LINE NEBULA, STAR FORMING REGION, STARBURST] Extended=NO										
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	3	J1152+3400 (STIS.sp.13 66571)	(2) J1152+3400	STIS/NUV-MAMA, TIME-TAG, 52X0.5	G230L 2376 A	BUFFER-TIME=70 0			3200.0 Secs (2850 Secs) [==>2850.0 Secs]	[2]
	4	J1152+3400 (STIS.sp.13 66571)	(2) J1152+3400	STIS/NUV-MAMA, TIME-TAG, 52X0.5	G230L 2376 A	BUFFER-TIME=70 0			3200.0 Secs (2827 Secs) [==>2827.0 Secs]	[3]

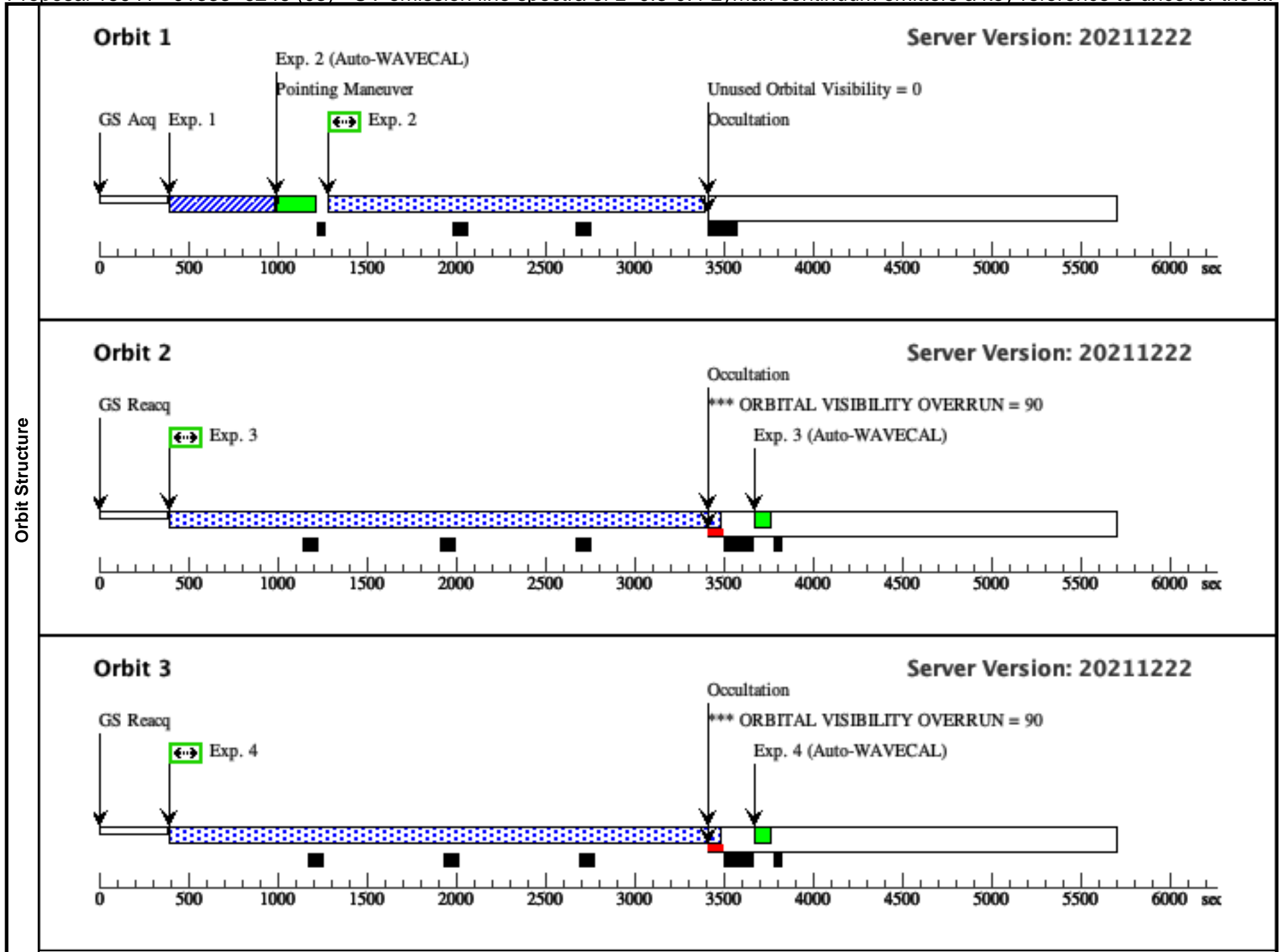


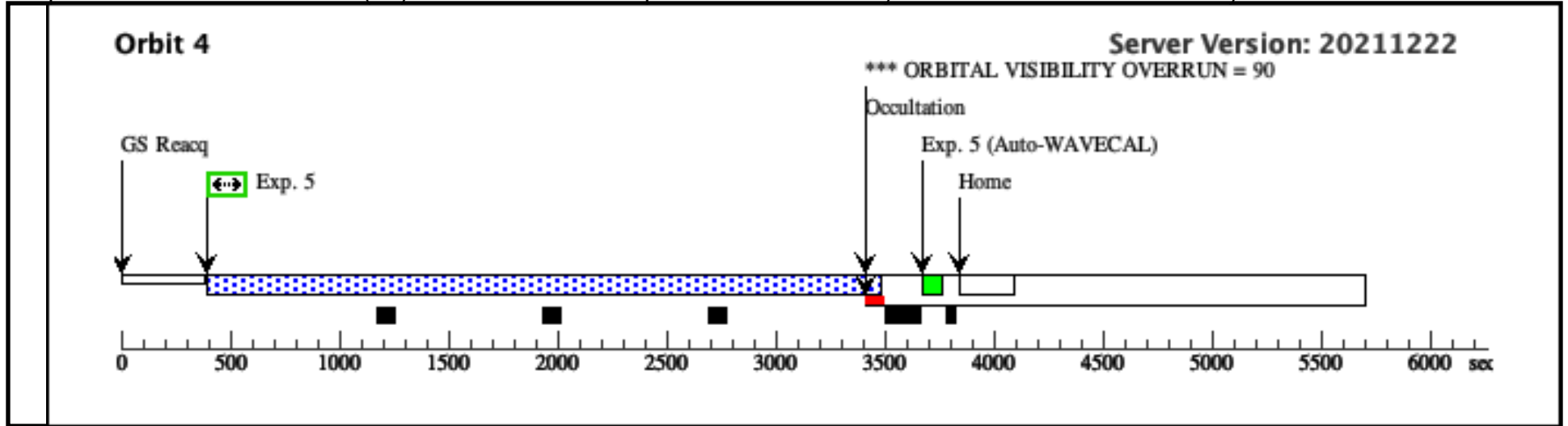


Proposal 15941 - J1333+6246 (03) - UV emission line spectra of z~0.3-0.4 Lyman continuum emitters a key reference to uncover the ...

Thu Jun 09 14:01:01 GMT 2022

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Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(3)</td> <td>J1333+6246</td> <td>RA: 13 33 3.9600 (203.2665000d) Dec: +62 46 3.78 (62.76772d) Equinox: J2000</td> <td>Redshift: 0.3181</td> <td>V=20.62+/-0.05 FUV=20.72+/-0.17, NUV=20.97+/-0.17, frest(1909)=0.6e-16 erg s-1 cm-2 A-1 in the continuum</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments:</i> Category=GALAXY Description=[DWARF COMPACT, EMISSION LINE NEBULA, STAR FORMING REGION, STARBURST] Extended=NO</p>										#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(3)	J1333+6246	RA: 13 33 3.9600 (203.2665000d) Dec: +62 46 3.78 (62.76772d) Equinox: J2000	Redshift: 0.3181	V=20.62+/-0.05 FUV=20.72+/-0.17, NUV=20.97+/-0.17, frest(1909)=0.6e-16 erg s-1 cm-2 A-1 in the continuum	Reference Frame: ICRS																																																
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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>J1333+6246 ACQ (STIS.ta.136 6552)</td> <td>(3) J1333+6246</td> <td>STIS/CCD, ACQ, F28X50LP</td> <td>MIRROR</td> <td>ACQTYPE=POINT</td> <td></td> <td></td> <td>90.0 Secs (90 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>2</td> <td>J1333+6246 (STIS.sp.13 66570)</td> <td>(3) J1333+6246</td> <td>STIS/NUV-MAMA, TIME-TAG, 52X0.5</td> <td>G230L 2376 A</td> <td>BUFFER-TIME=68 0</td> <td></td> <td></td> <td>1800.0 Secs (2073 Secs) [==>2073.0 Secs]</td> <td>[1]</td> </tr> <tr> <td>3</td> <td>J1333+6246 (STIS.sp.13 66570)</td> <td>(3) J1333+6246</td> <td>STIS/NUV-MAMA, TIME-TAG, 52X0.5</td> <td>G230L 2376 A</td> <td>BUFFER-TIME=76 0</td> <td></td> <td></td> <td>3200.0 Secs (3081 Secs) [==>3081.0 Secs]</td> <td>[2]</td> </tr> <tr> <td>4</td> <td>J1333+6246 (STIS.sp.13 66570)</td> <td>(3) J1333+6246</td> <td>STIS/NUV-MAMA, TIME-TAG, 52X0.5</td> <td>G230L 2376 A</td> <td>BUFFER-TIME=76 0</td> <td></td> <td></td> <td>3200.0 Secs (3058 Secs) [==>3058.0 Secs]</td> <td>[3]</td> </tr> <tr> <td>5</td> <td>J1333+6246 (STIS.sp.13 63960)</td> <td>(3) J1333+6246</td> <td>STIS/NUV-MAMA, TIME-TAG, 52X0.5</td> <td>G230L 2376 A</td> <td>BUFFER-TIME=76 0</td> <td></td> <td></td> <td>3200.0 Secs (3058 Secs) [==>3058.0 Secs]</td> <td>[4]</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	J1333+6246 ACQ (STIS.ta.136 6552)	(3) J1333+6246	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			90.0 Secs (90 Secs) [==>]	[1]	2	J1333+6246 (STIS.sp.13 66570)	(3) J1333+6246	STIS/NUV-MAMA, TIME-TAG, 52X0.5	G230L 2376 A	BUFFER-TIME=68 0			1800.0 Secs (2073 Secs) [==>2073.0 Secs]	[1]	3	J1333+6246 (STIS.sp.13 66570)	(3) J1333+6246	STIS/NUV-MAMA, TIME-TAG, 52X0.5	G230L 2376 A	BUFFER-TIME=76 0			3200.0 Secs (3081 Secs) [==>3081.0 Secs]	[2]	4	J1333+6246 (STIS.sp.13 66570)	(3) J1333+6246	STIS/NUV-MAMA, TIME-TAG, 52X0.5	G230L 2376 A	BUFFER-TIME=76 0			3200.0 Secs (3058 Secs) [==>3058.0 Secs]	[3]	5	J1333+6246 (STIS.sp.13 63960)	(3) J1333+6246	STIS/NUV-MAMA, TIME-TAG, 52X0.5	G230L 2376 A	BUFFER-TIME=76 0			3200.0 Secs (3058 Secs) [==>3058.0 Secs]	[4]
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2	J1333+6246 (STIS.sp.13 66570)	(3) J1333+6246	STIS/NUV-MAMA, TIME-TAG, 52X0.5	G230L 2376 A	BUFFER-TIME=68 0			1800.0 Secs (2073 Secs) [==>2073.0 Secs]	[1]																																																													
3	J1333+6246 (STIS.sp.13 66570)	(3) J1333+6246	STIS/NUV-MAMA, TIME-TAG, 52X0.5	G230L 2376 A	BUFFER-TIME=76 0			3200.0 Secs (3081 Secs) [==>3081.0 Secs]	[2]																																																													
4	J1333+6246 (STIS.sp.13 66570)	(3) J1333+6246	STIS/NUV-MAMA, TIME-TAG, 52X0.5	G230L 2376 A	BUFFER-TIME=76 0			3200.0 Secs (3058 Secs) [==>3058.0 Secs]	[3]																																																													
5	J1333+6246 (STIS.sp.13 63960)	(3) J1333+6246	STIS/NUV-MAMA, TIME-TAG, 52X0.5	G230L 2376 A	BUFFER-TIME=76 0			3200.0 Secs (3058 Secs) [==>3058.0 Secs]	[4]																																																													

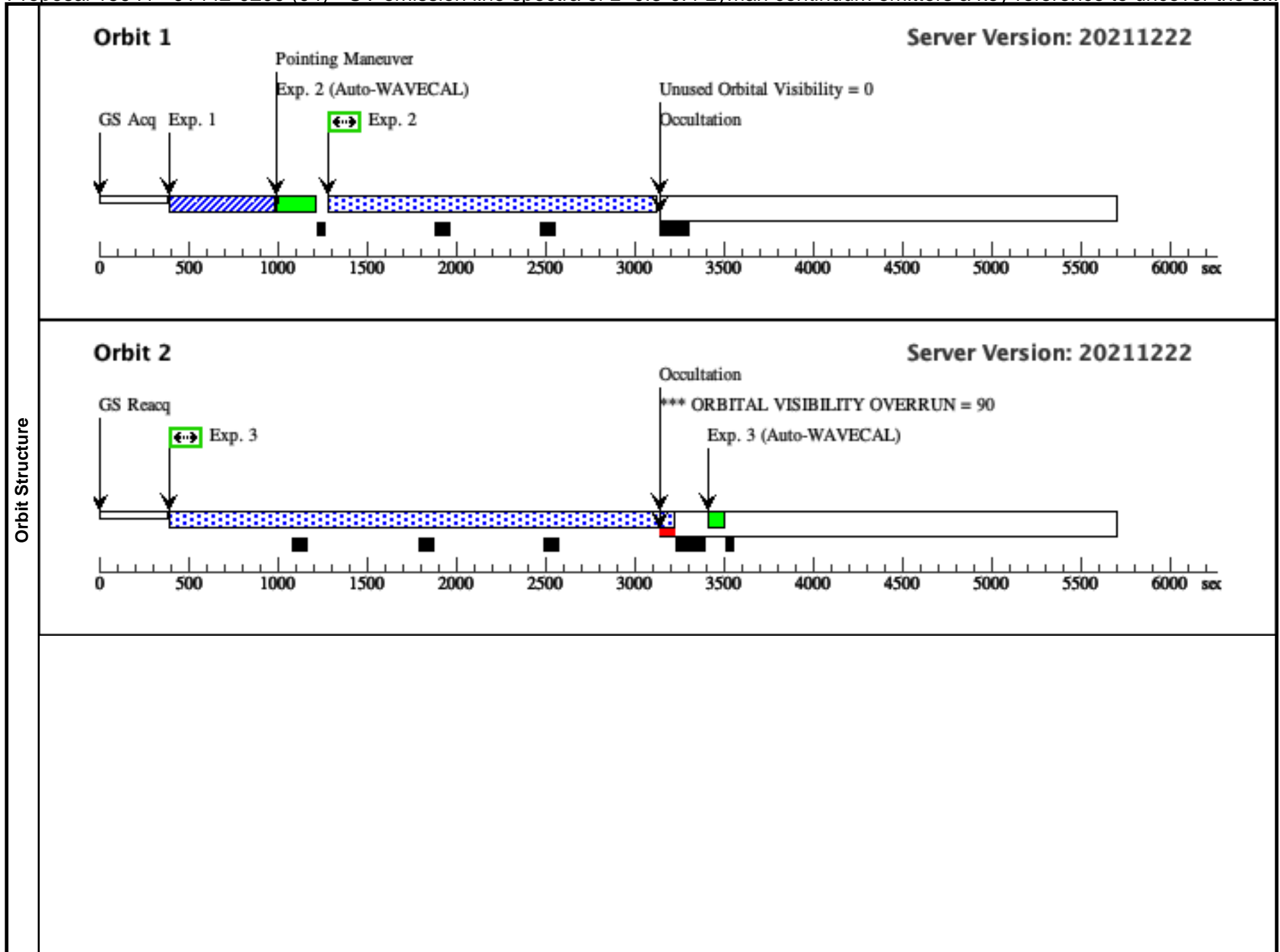


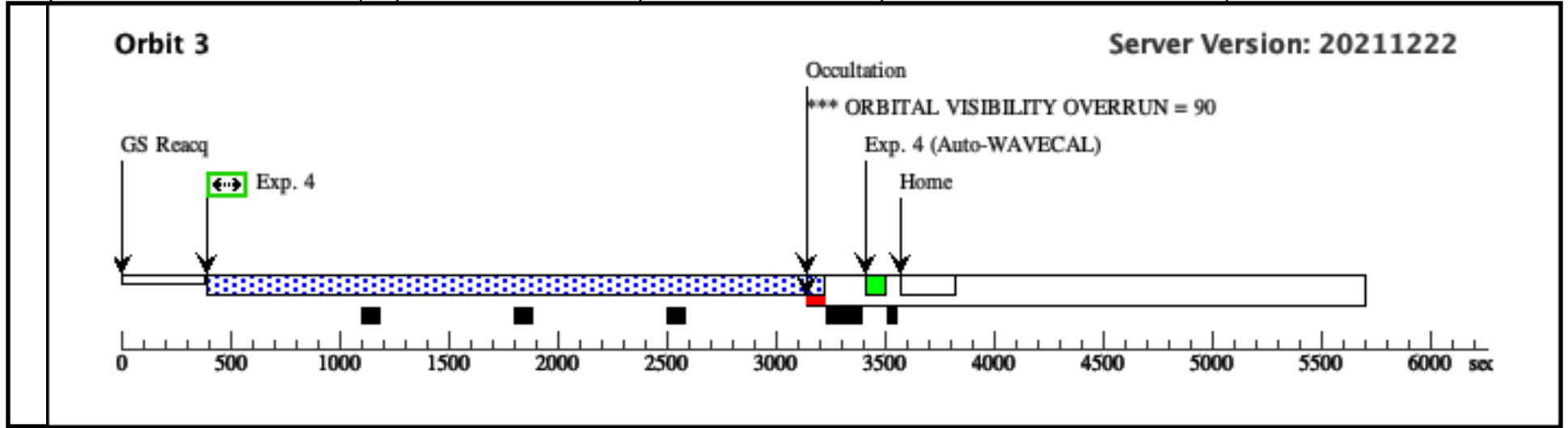


Proposal 15941 - J1442-0209 (04) - UV emission line spectra of z~0.3-0.4 Lyman continuum emitters a key reference to uncover the s...

Thu Jun 09 14:01:01 GMT 2022

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Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
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	2	J1442-0209 (STIS.sp.13 66573)	(4) J1442-0209	STIS/NUV-MAMA, TIME-TAG, 52X0.5	G230L 2376 A	BUFFER-TIME=58 0			1800.0 Secs (1804 Secs) [==>1804.0 Secs]	[1]
	3	J1442-0209 (STIS.sp.13 66573)	(4) J1442-0209	STIS/NUV-MAMA, TIME-TAG, 52X0.5	G230L 2376 A	BUFFER-TIME=70 0			3200.0 Secs (2812 Secs) [==>2812.0 Secs]	[2]
	4	J1442-0209 (STIS.sp.13 66573)	(4) J1442-0209	STIS/NUV-MAMA, TIME-TAG, 52X0.5	G230L 2376 A	BUFFER-TIME=69 5			3200.0 Secs (2789 Secs) [==>2789.0 Secs]	[3]

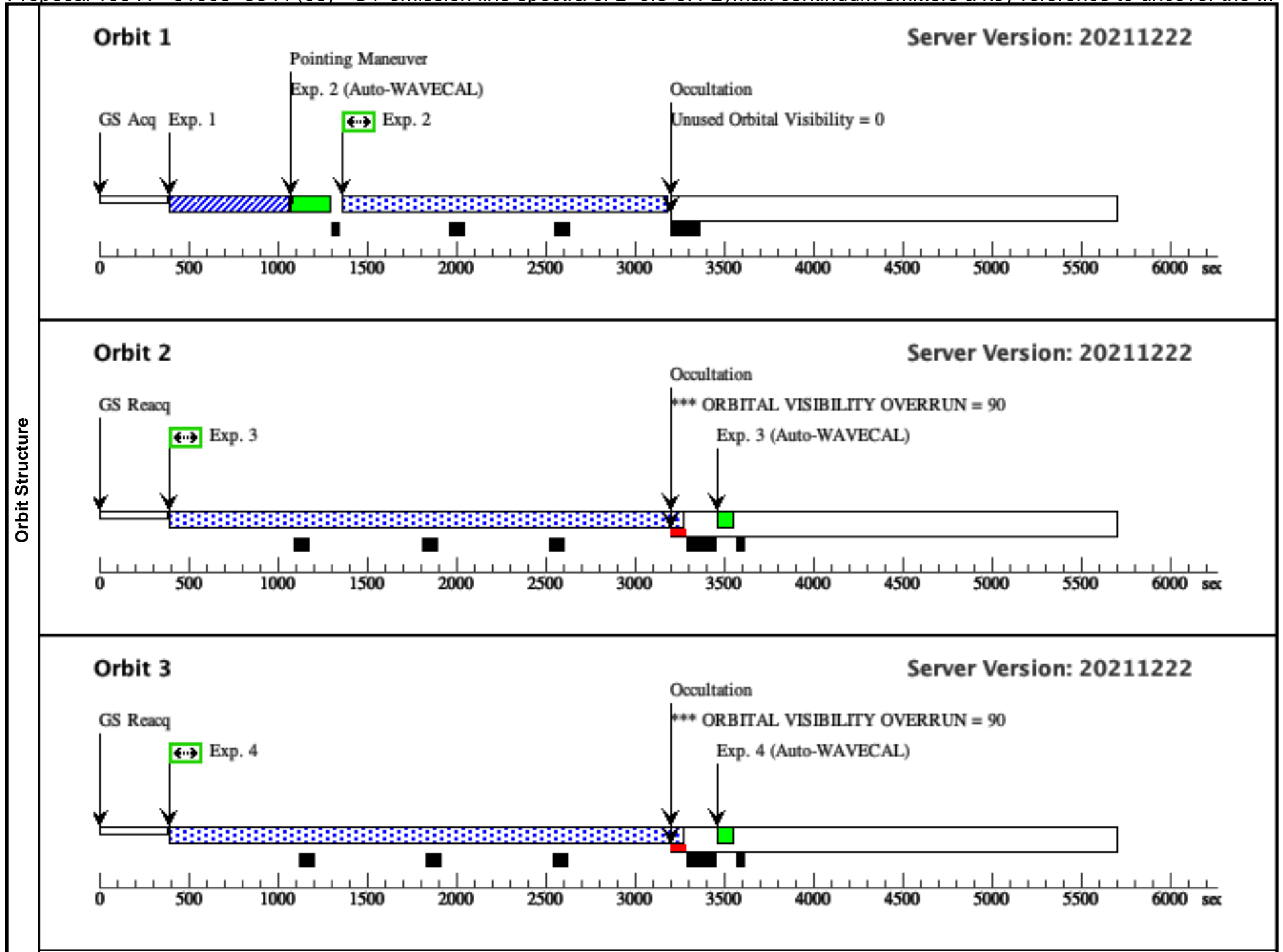


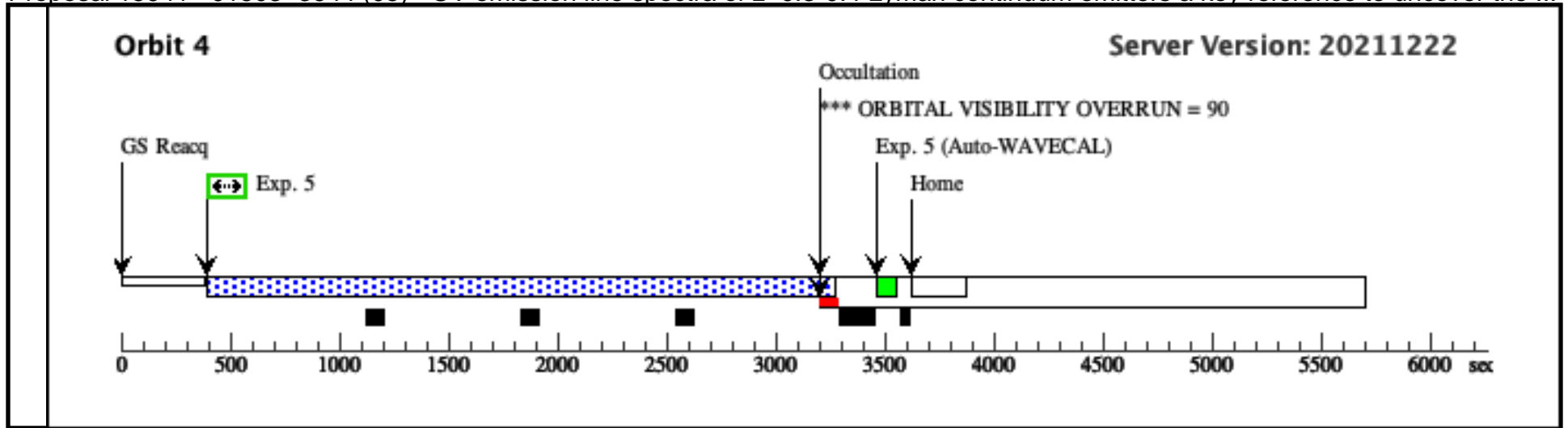


Proposal 15941 - J1503+3644 (05) - UV emission line spectra of z~0.3-0.4 Lyman continuum emitters a key reference to uncover the ...

Thu Jun 09 14:01:02 GMT 2022

Visit	Proposal 15941, J1503+3644 (05), completed Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/CCD Special Requirements: (none)									
	Diagnostics	(J1503+3644 (05)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (J1503+3644 (05)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (J1503+3644 (05)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN								
Fixed Targets		#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
		(5)	J1503+3644	RA: 15 03 42.8300 (225.9284583d) Dec: +36 44 50.75 (36.74743d) Equinox: J2000	Redshift: 0.3557	V=20.79+/-0.05 FUV=21.02+/-0.31, NUV=20.76+/-0.18, frest(1909)=0.6e-16 erg s-1 cm-2 A-1 in the continuum	Reference Frame: ICRS			
	<i>Comments:</i> Category=GALAXY Description=[DWARF COMPACT, EMISSION LINE NEBULA, STAR FORMING REGION, STARBURST] Extended=NO									
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	J1503+3644 ACQ (STIS.ta.136 6541)	(5) J1503+3644	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			110.0 Secs (110 Secs) [==>]	[1]
	2	J1503+3644 (STIS.sp.13 66574)	(5) J1503+3644	STIS/NUV-MAMA, TIME-TAG, 52X0.5	G230L 2376 A	BUFFER-TIME=58 0			1800.0 Secs (1782 Secs) [==>1782.0 Secs]	[1]
	3	J1503+3644 (STIS.sp.13 66574)	(5) J1503+3644	STIS/NUV-MAMA, TIME-TAG, 52X0.5	G230L 2376 A	BUFFER-TIME=71 0			3200.0 Secs (2870 Secs) [==>2870.0 Secs]	[2]
	4	J1503+3644 (STIS.sp.13 66574)	(5) J1503+3644	STIS/NUV-MAMA, TIME-TAG, 52X0.5	G230L 2376 A	BUFFER-TIME=71 0			3200.0 Secs (2847 Secs) [==>2847.0 Secs]	[3]
	5	J1503+3644 (STIS.sp.13 66574)	(5) J1503+3644	STIS/NUV-MAMA, TIME-TAG, 52X0.5	G230L 2376 A	BUFFER-TIME=71 0			3200.0 Secs (2847 Secs) [==>2847.0 Secs]	[4]

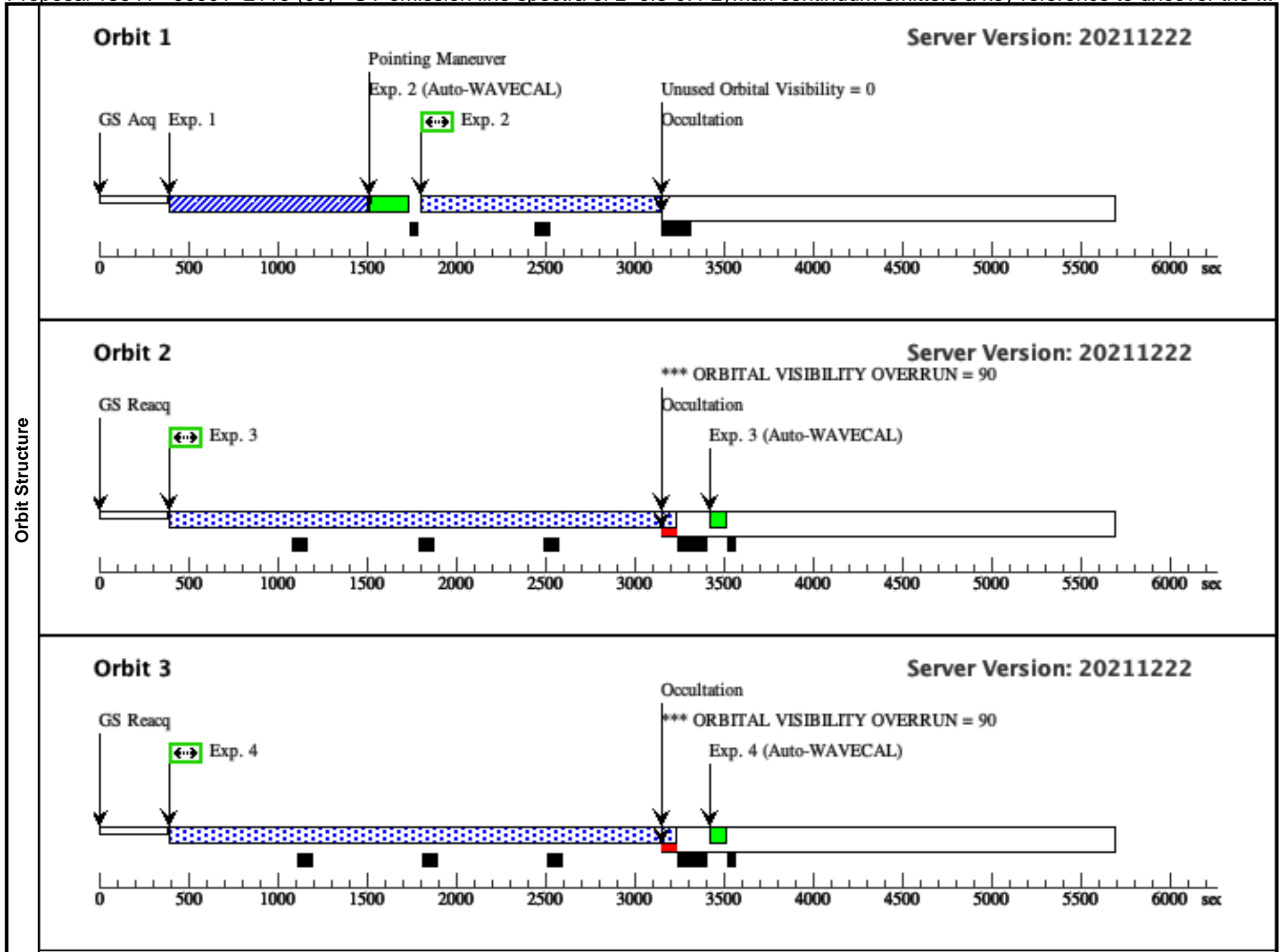


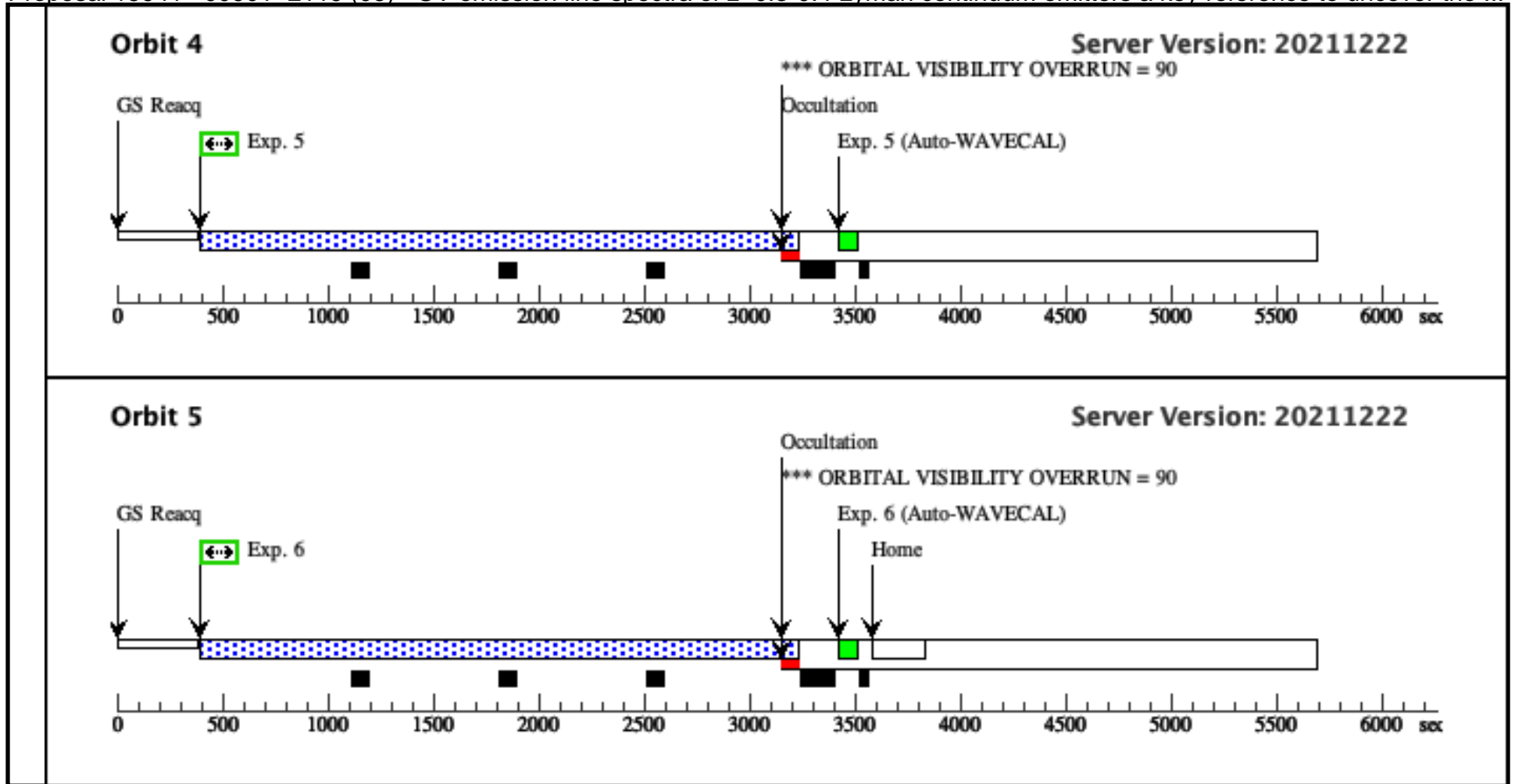


Proposal 15941 - J0901+2119 (06) - UV emission line spectra of z~0.3-0.4 Lyman continuum emitters a key reference to uncover the ...

Thu Jun 09 14:01:02 GMT 2022

Visit	Proposal 15941, J0901+2119 (06), completed Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/CCD Special Requirements: (none)																																																																														
	Diagnosics (J0901+2119 (06)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (J0901+2119 (06)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (J0901+2119 (06)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (J0901+2119 (06)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN																																																																														
Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(6)</td> <td>J0901+2119</td> <td>RA: 09 01 45.6100 (135.4400417d) Dec: +21 19 27.70 (21.32436d) Equinox: J2000</td> <td>Redshift: 0.299</td> <td>V=21.54+/-0.05 FUV=22.06+/-0.12, NUV=22.17+/-0.14, frest(1909)=0.3e-16 erg s-1 cm-2 A-1 in the continuum</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments:</i> Category=GALAXY Description=[DWARF COMPACT, EMISSION LINE NEBULA, STAR FORMING REGION, STARBURST] Extended=NO</p>										#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(6)	J0901+2119	RA: 09 01 45.6100 (135.4400417d) Dec: +21 19 27.70 (21.32436d) Equinox: J2000	Redshift: 0.299	V=21.54+/-0.05 FUV=22.06+/-0.12, NUV=22.17+/-0.14, frest(1909)=0.3e-16 erg s-1 cm-2 A-1 in the continuum	Reference Frame: ICRS																																																									
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																																																																									
(6)	J0901+2119	RA: 09 01 45.6100 (135.4400417d) Dec: +21 19 27.70 (21.32436d) Equinox: J2000	Redshift: 0.299	V=21.54+/-0.05 FUV=22.06+/-0.12, NUV=22.17+/-0.14, frest(1909)=0.3e-16 erg s-1 cm-2 A-1 in the continuum	Reference Frame: ICRS																																																																										
<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>J0901+2119 ACQ (STIS.ta.136 6542)</td> <td>(6) J0901+2119</td> <td>STIS/CCD, ACQ, F28X50LP</td> <td>MIRROR</td> <td>ACQTYPE=POINT</td> <td></td> <td></td> <td>220.0 Secs (220 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>2</td> <td>J0901+2119 (STIS.sp.13 66575)</td> <td>(6) J0901+2119</td> <td>STIS/NUV-MAMA, TIME-TAG, 52X0.5</td> <td>G230L 2376 A</td> <td>BUFFER-TIME=62 0</td> <td></td> <td></td> <td>1800.0 Secs (1299 Secs) [==>1299.0 Secs]</td> <td>[1]</td> </tr> <tr> <td>3</td> <td>J0901+2119 (STIS.sp.13 66575)</td> <td>(6) J0901+2119</td> <td>STIS/NUV-MAMA, TIME-TAG, 52X0.5</td> <td>G230L 2376 A</td> <td>BUFFER-TIME=70 0</td> <td></td> <td></td> <td>3200.0 Secs (2827 Secs) [==>2827.0 Secs]</td> <td>[2]</td> </tr> <tr> <td>4</td> <td>J0901+2119 (STIS.sp.13 66575)</td> <td>(6) J0901+2119</td> <td>STIS/NUV-MAMA, TIME-TAG, 52X0.5</td> <td>G230L 2376 A</td> <td>BUFFER-TIME=70 0</td> <td></td> <td></td> <td>3200.0 Secs (2804 Secs) [==>2804.0 Secs]</td> <td>[3]</td> </tr> <tr> <td>5</td> <td>J0901+2119 (STIS.sp.13 66575)</td> <td>(6) J0901+2119</td> <td>STIS/NUV-MAMA, TIME-TAG, 52X0.5</td> <td>G230L 2376 A</td> <td>BUFFER-TIME=70 0</td> <td></td> <td></td> <td>3200.0 Secs (2804 Secs) [==>2804.0 Secs]</td> <td>[4]</td> </tr> <tr> <td>6</td> <td>J0901+2119 (STIS.sp.13 66575)</td> <td>(6) J0901+2119</td> <td>STIS/NUV-MAMA, TIME-TAG, 52X0.5</td> <td>G230L 2376 A</td> <td>BUFFER-TIME=70 0</td> <td></td> <td></td> <td>3200.0 Secs (2804 Secs) [==>2804.0 Secs]</td> <td>[5]</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	J0901+2119 ACQ (STIS.ta.136 6542)	(6) J0901+2119	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			220.0 Secs (220 Secs) [==>]	[1]	2	J0901+2119 (STIS.sp.13 66575)	(6) J0901+2119	STIS/NUV-MAMA, TIME-TAG, 52X0.5	G230L 2376 A	BUFFER-TIME=62 0			1800.0 Secs (1299 Secs) [==>1299.0 Secs]	[1]	3	J0901+2119 (STIS.sp.13 66575)	(6) J0901+2119	STIS/NUV-MAMA, TIME-TAG, 52X0.5	G230L 2376 A	BUFFER-TIME=70 0			3200.0 Secs (2827 Secs) [==>2827.0 Secs]	[2]	4	J0901+2119 (STIS.sp.13 66575)	(6) J0901+2119	STIS/NUV-MAMA, TIME-TAG, 52X0.5	G230L 2376 A	BUFFER-TIME=70 0			3200.0 Secs (2804 Secs) [==>2804.0 Secs]	[3]	5	J0901+2119 (STIS.sp.13 66575)	(6) J0901+2119	STIS/NUV-MAMA, TIME-TAG, 52X0.5	G230L 2376 A	BUFFER-TIME=70 0			3200.0 Secs (2804 Secs) [==>2804.0 Secs]	[4]	6	J0901+2119 (STIS.sp.13 66575)	(6) J0901+2119	STIS/NUV-MAMA, TIME-TAG, 52X0.5	G230L 2376 A	BUFFER-TIME=70 0			3200.0 Secs (2804 Secs) [==>2804.0 Secs]	[5]
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit																																																																						
1	J0901+2119 ACQ (STIS.ta.136 6542)	(6) J0901+2119	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			220.0 Secs (220 Secs) [==>]	[1]																																																																						
2	J0901+2119 (STIS.sp.13 66575)	(6) J0901+2119	STIS/NUV-MAMA, TIME-TAG, 52X0.5	G230L 2376 A	BUFFER-TIME=62 0			1800.0 Secs (1299 Secs) [==>1299.0 Secs]	[1]																																																																						
3	J0901+2119 (STIS.sp.13 66575)	(6) J0901+2119	STIS/NUV-MAMA, TIME-TAG, 52X0.5	G230L 2376 A	BUFFER-TIME=70 0			3200.0 Secs (2827 Secs) [==>2827.0 Secs]	[2]																																																																						
4	J0901+2119 (STIS.sp.13 66575)	(6) J0901+2119	STIS/NUV-MAMA, TIME-TAG, 52X0.5	G230L 2376 A	BUFFER-TIME=70 0			3200.0 Secs (2804 Secs) [==>2804.0 Secs]	[3]																																																																						
5	J0901+2119 (STIS.sp.13 66575)	(6) J0901+2119	STIS/NUV-MAMA, TIME-TAG, 52X0.5	G230L 2376 A	BUFFER-TIME=70 0			3200.0 Secs (2804 Secs) [==>2804.0 Secs]	[4]																																																																						
6	J0901+2119 (STIS.sp.13 66575)	(6) J0901+2119	STIS/NUV-MAMA, TIME-TAG, 52X0.5	G230L 2376 A	BUFFER-TIME=70 0			3200.0 Secs (2804 Secs) [==>2804.0 Secs]	[5]																																																																						

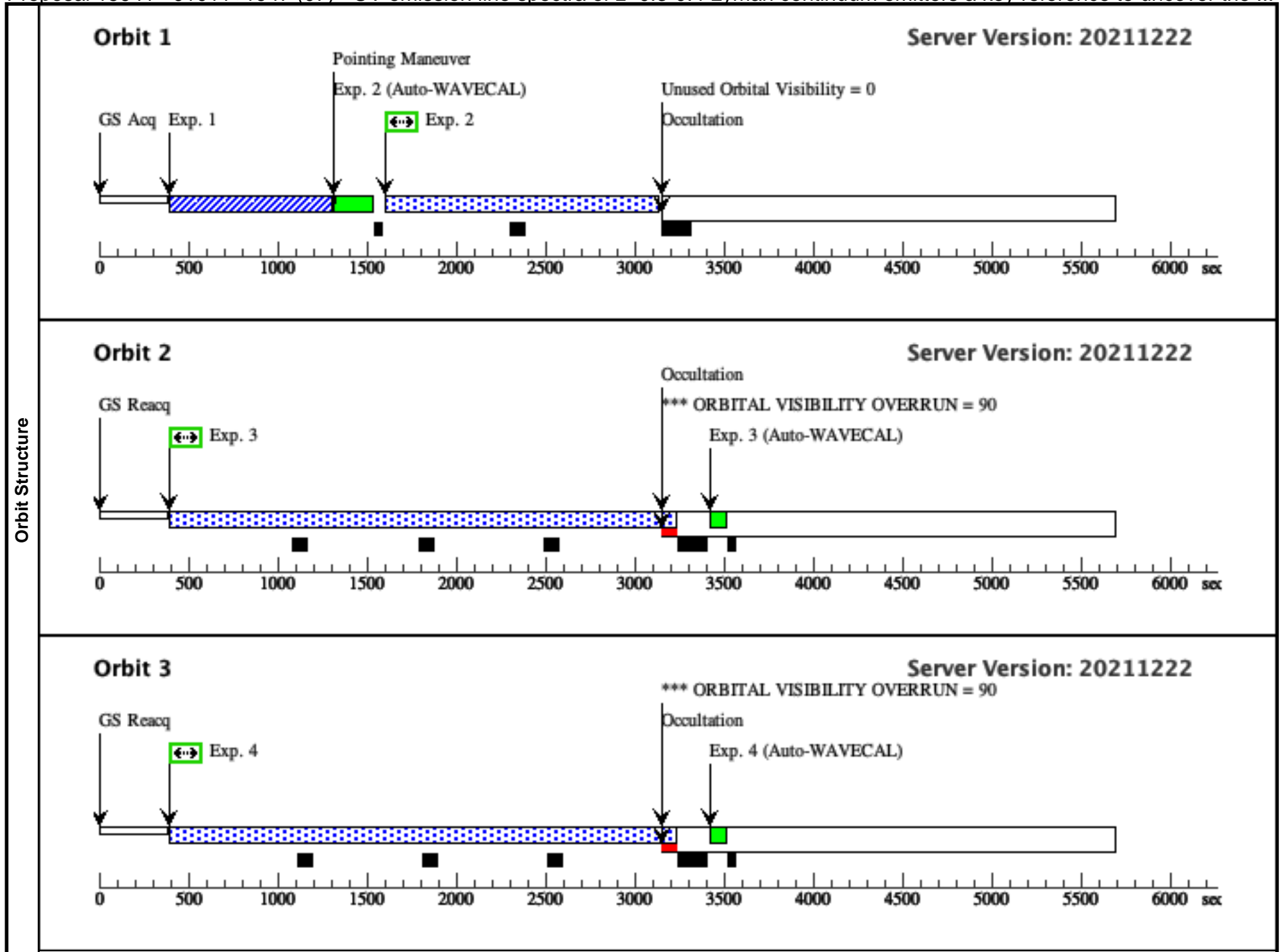


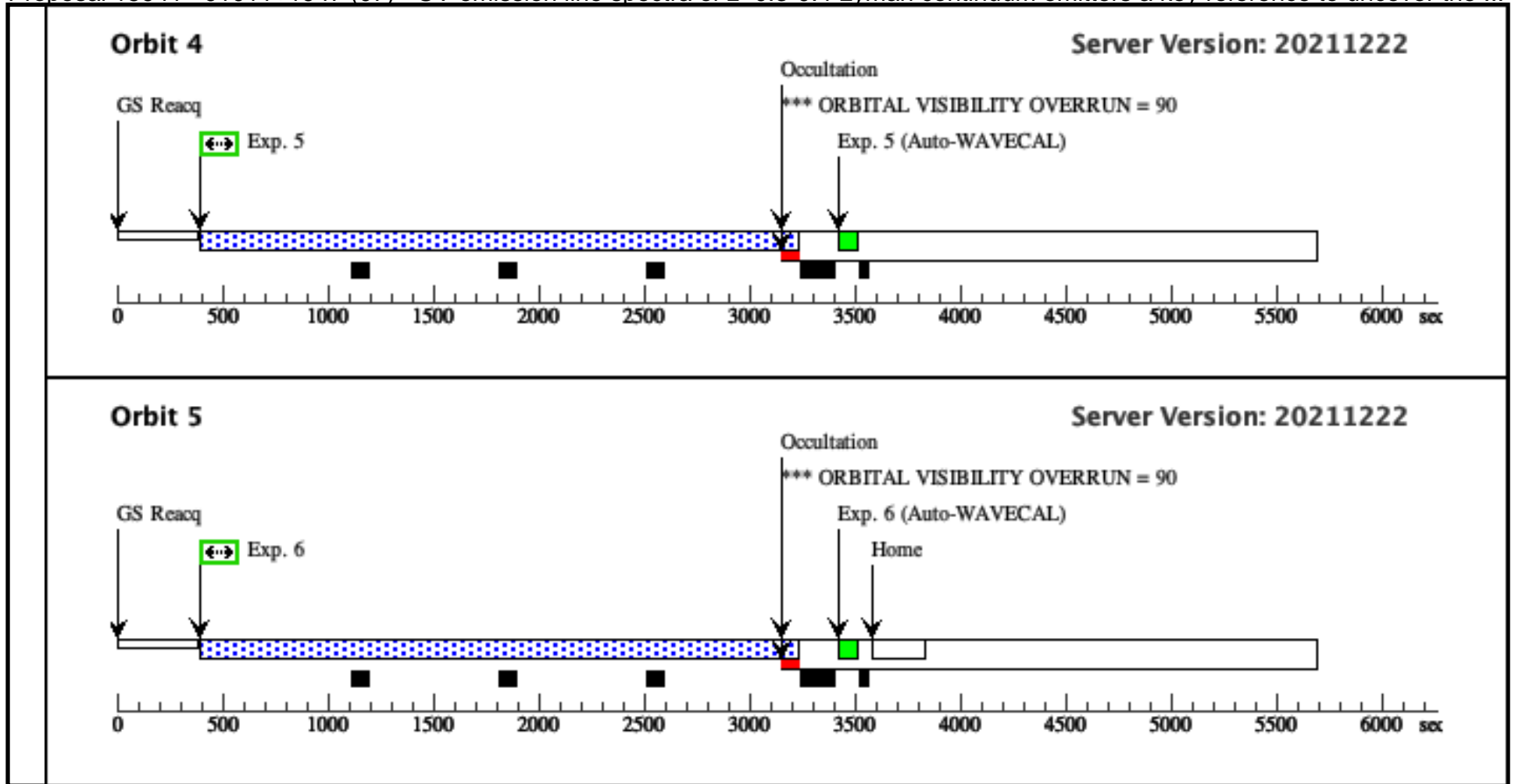


Proposal 15941 - J1011+1947 (07) - UV emission line spectra of z~0.3-0.4 Lyman continuum emitters a key reference to uncover the ...

Thu Jun 09 14:01:02 GMT 2022

Visit	Proposal 15941, J1011+1947 (07), completed Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/CCD Special Requirements: (none)									
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Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
(7)	J1011+1947	RA: 10 11 38.2800 (152.9095000d) Dec: +19 47 20.90 (19.78914d) Equinox: J2000	Redshift: 0.332	V=21.26+/-0.05 FUV=22.08+/-0.50, NUV=21.31+/-0.27, frest(1909)=0.4e-16 erg s-1 cm-2 A-1 in the continuum	Reference Frame: ICRS					
Comments: Category=GALAXY Description=[DWARF COMPACT, EMISSION LINE NEBULA, STAR FORMING REGION, STARBURST] Extended=NO										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	J1011+1947 ACQ (STIS.ta.136 6543)	(7) J1011+1947	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			170.0 Secs (170 Secs) [==>]	[1]
	2	J1011+1947 (STIS.sp.13 66576)	(7) J1011+1947	STIS/NUV-MAMA, TIME-TAG, 52X0.5	G230L 2376 A	BUFFER-TIME=68 0			1800.0 Secs (1498 Secs) [==>1498.0 Secs]	[1]
	3	J1011+1947 (STIS.sp.13 66576)	(7) J1011+1947	STIS/NUV-MAMA, TIME-TAG, 52X0.5	G230L 2376 A	BUFFER-TIME=70 0			3200.0 Secs (2826 Secs) [==>2826.0 Secs]	[2]
	4	J1011+1947 (STIS.sp.13 66576)	(7) J1011+1947	STIS/NUV-MAMA, TIME-TAG, 52X0.5	G230L 2376 A	BUFFER-TIME=70 0			3200.0 Secs (2803 Secs) [==>2803.0 Secs]	[3]
	5	J1011+1947 (STIS.sp.13 66576)	(7) J1011+1947	STIS/NUV-MAMA, TIME-TAG, 52X0.5	G230L 2376 A	BUFFER-TIME=70 0			3200.0 Secs (2803 Secs) [==>2803.0 Secs]	[4]
	6	J1011+1947 (STIS.sp.13 66576)	(7) J1011+1947	STIS/NUV-MAMA, TIME-TAG, 52X0.5	G230L 2376 A	BUFFER-TIME=70 0			3200.0 Secs (2803 Secs) [==>2803.0 Secs]	[5]

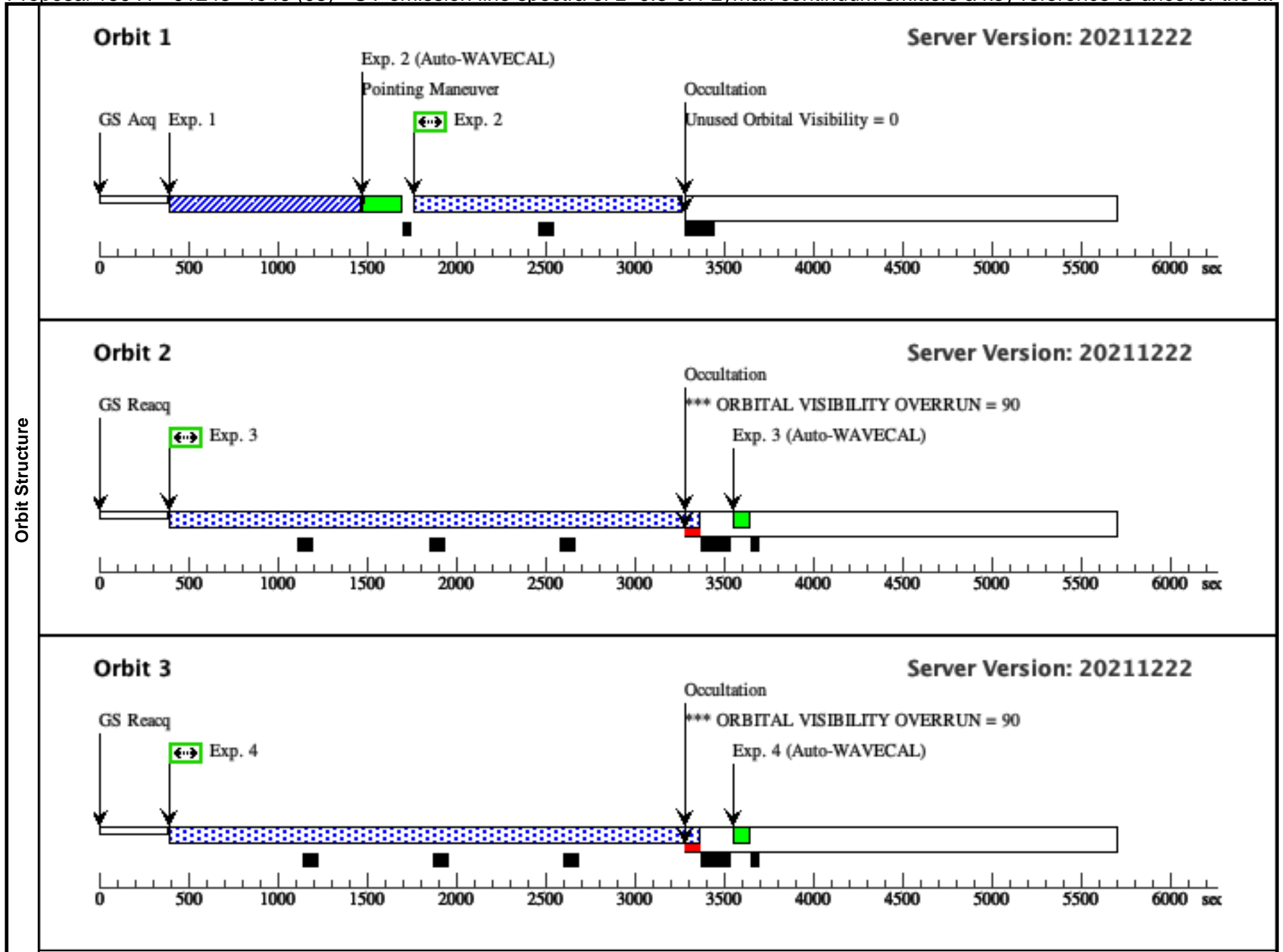


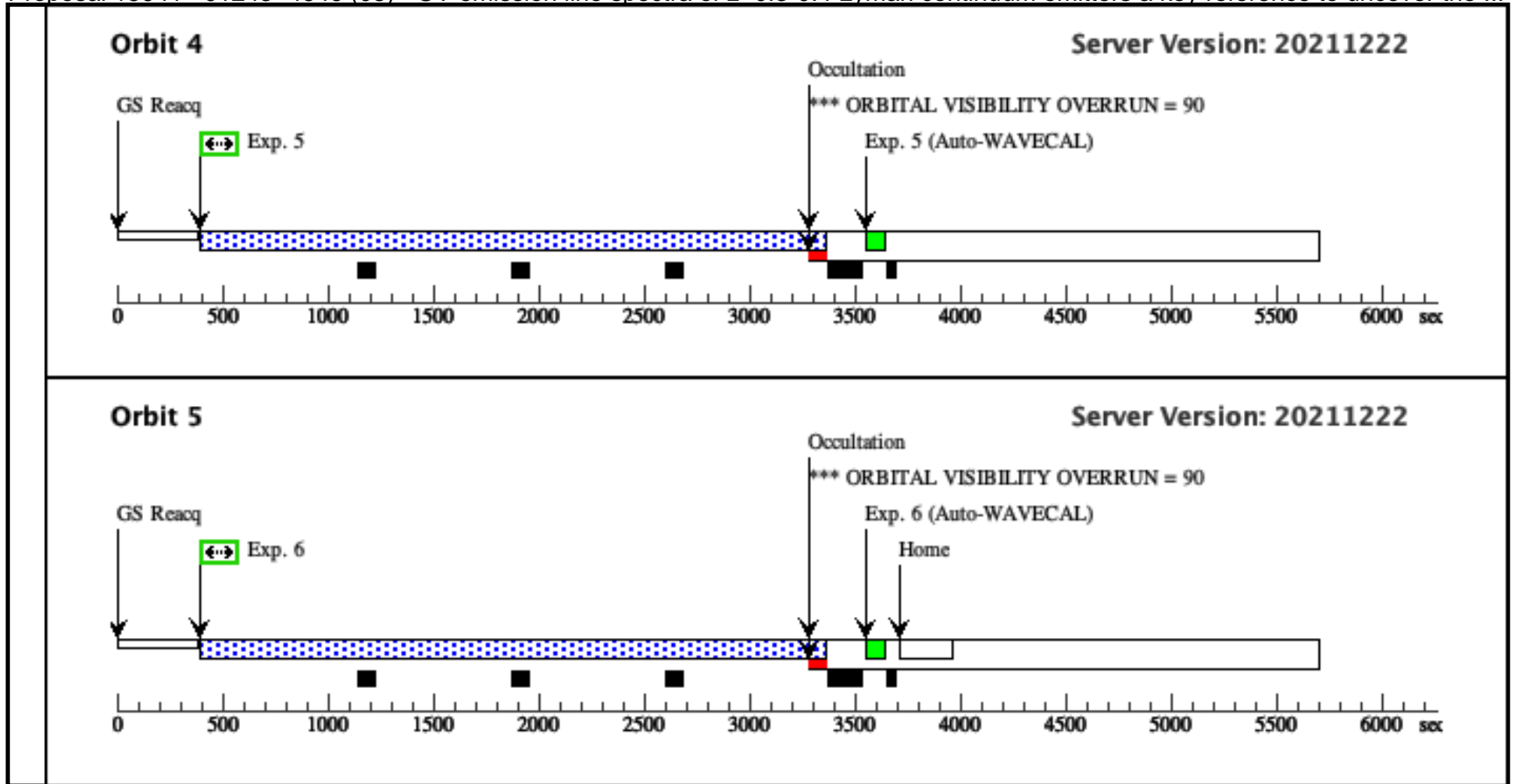


Proposal 15941 - J1243+4646 (08) - UV emission line spectra of z~0.3-0.4 Lyman continuum emitters a key reference to uncover the ...

Thu Jun 09 14:01:02 GMT 2022

Visit	Proposal 15941, J1243+4646 (08), completed Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/CCD Special Requirements: (none)																																																																															
Diagnosics	(J1243+4646 (08)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (J1243+4646 (08)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (J1243+4646 (08)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (J1243+4646 (08)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN																																																																															
Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(8)</td> <td>J1243+4646</td> <td>RA: 12 43 0.6300 (190.7526250d) Dec: +46 46 50.40 (46.78067d) Equinox: J2000</td> <td>Redshift: 0.432</td> <td>V=21.48+/-0.04 FUV=21.31+/-0.24, NUV=21.61+/-0.24, frest(1909)=0.4e-16 erg s-1 cm-2 A-1 in the continuum</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td colspan="6"> <i>Comments:</i> Category=GALAXY Description=[DWARF COMPACT, EMISSION LINE NEBULA, STAR FORMING REGION, STARBURST] Extended=NO </td> </tr> </tbody> </table>										#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(8)	J1243+4646	RA: 12 43 0.6300 (190.7526250d) Dec: +46 46 50.40 (46.78067d) Equinox: J2000	Redshift: 0.432	V=21.48+/-0.04 FUV=21.31+/-0.24, NUV=21.61+/-0.24, frest(1909)=0.4e-16 erg s-1 cm-2 A-1 in the continuum	Reference Frame: ICRS	<i>Comments:</i> Category=GALAXY Description=[DWARF COMPACT, EMISSION LINE NEBULA, STAR FORMING REGION, STARBURST] Extended=NO																																																									
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(8)	J1243+4646	RA: 12 43 0.6300 (190.7526250d) Dec: +46 46 50.40 (46.78067d) Equinox: J2000	Redshift: 0.432	V=21.48+/-0.04 FUV=21.31+/-0.24, NUV=21.61+/-0.24, frest(1909)=0.4e-16 erg s-1 cm-2 A-1 in the continuum	Reference Frame: ICRS																																																																											
<i>Comments:</i> Category=GALAXY Description=[DWARF COMPACT, EMISSION LINE NEBULA, STAR FORMING REGION, STARBURST] Extended=NO																																																																																
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>J1243+4646 ACQ (STIS.ta.136 6544)</td> <td>(8) J1243+4646</td> <td>STIS/CCD, ACQ, F28X50LP</td> <td>MIRROR</td> <td>ACQTYPE=POINT</td> <td></td> <td></td> <td>210.0 Secs (210 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>2</td> <td>J1243+4646 (STIS.sp.13 66577)</td> <td>(8) J1243+4646</td> <td>STIS/NUV-MAMA, TIME-TAG, 52X0.5</td> <td>G230L 2376 A</td> <td>BUFFER-TIME=68 0</td> <td></td> <td></td> <td>1800.0 Secs (1467 Secs) [==>1467.0 Secs]</td> <td>[1]</td> </tr> <tr> <td>3</td> <td>J1243+4646 (STIS.sp.13 66577)</td> <td>(8) J1243+4646</td> <td>STIS/NUV-MAMA, TIME-TAG, 52X0.5</td> <td>G230L 2376 A</td> <td>BUFFER-TIME=73 0</td> <td></td> <td></td> <td>3200.0 Secs (2955 Secs) [==>2955.0 Secs]</td> <td>[2]</td> </tr> <tr> <td>4</td> <td>J1243+4646 (STIS.sp.13 66577)</td> <td>(8) J1243+4646</td> <td>STIS/NUV-MAMA, TIME-TAG, 52X0.5</td> <td>G230L 2376 A</td> <td>BUFFER-TIME=73 0</td> <td></td> <td></td> <td>3200.0 Secs (2932 Secs) [==>2932.0 Secs]</td> <td>[3]</td> </tr> <tr> <td>5</td> <td>J1243+4646 (STIS.sp.13 66577)</td> <td>(8) J1243+4646</td> <td>STIS/NUV-MAMA, TIME-TAG, 52X0.5</td> <td>G230L 2376 A</td> <td>BUFFER-TIME=73 0</td> <td></td> <td></td> <td>3200.0 Secs (2932 Secs) [==>2932.0 Secs]</td> <td>[4]</td> </tr> <tr> <td>6</td> <td>J1243+4646 (STIS.sp.13 66577)</td> <td>(8) J1243+4646</td> <td>STIS/NUV-MAMA, TIME-TAG, 52X0.5</td> <td>G230L 2376 A</td> <td>BUFFER-TIME=73 0</td> <td></td> <td></td> <td>3200.0 Secs (2932 Secs) [==>2932.0 Secs]</td> <td>[5]</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	J1243+4646 ACQ (STIS.ta.136 6544)	(8) J1243+4646	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			210.0 Secs (210 Secs) [==>]	[1]	2	J1243+4646 (STIS.sp.13 66577)	(8) J1243+4646	STIS/NUV-MAMA, TIME-TAG, 52X0.5	G230L 2376 A	BUFFER-TIME=68 0			1800.0 Secs (1467 Secs) [==>1467.0 Secs]	[1]	3	J1243+4646 (STIS.sp.13 66577)	(8) J1243+4646	STIS/NUV-MAMA, TIME-TAG, 52X0.5	G230L 2376 A	BUFFER-TIME=73 0			3200.0 Secs (2955 Secs) [==>2955.0 Secs]	[2]	4	J1243+4646 (STIS.sp.13 66577)	(8) J1243+4646	STIS/NUV-MAMA, TIME-TAG, 52X0.5	G230L 2376 A	BUFFER-TIME=73 0			3200.0 Secs (2932 Secs) [==>2932.0 Secs]	[3]	5	J1243+4646 (STIS.sp.13 66577)	(8) J1243+4646	STIS/NUV-MAMA, TIME-TAG, 52X0.5	G230L 2376 A	BUFFER-TIME=73 0			3200.0 Secs (2932 Secs) [==>2932.0 Secs]	[4]	6	J1243+4646 (STIS.sp.13 66577)	(8) J1243+4646	STIS/NUV-MAMA, TIME-TAG, 52X0.5	G230L 2376 A	BUFFER-TIME=73 0			3200.0 Secs (2932 Secs) [==>2932.0 Secs]	[5]
#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit																																																																							
1	J1243+4646 ACQ (STIS.ta.136 6544)	(8) J1243+4646	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			210.0 Secs (210 Secs) [==>]	[1]																																																																							
2	J1243+4646 (STIS.sp.13 66577)	(8) J1243+4646	STIS/NUV-MAMA, TIME-TAG, 52X0.5	G230L 2376 A	BUFFER-TIME=68 0			1800.0 Secs (1467 Secs) [==>1467.0 Secs]	[1]																																																																							
3	J1243+4646 (STIS.sp.13 66577)	(8) J1243+4646	STIS/NUV-MAMA, TIME-TAG, 52X0.5	G230L 2376 A	BUFFER-TIME=73 0			3200.0 Secs (2955 Secs) [==>2955.0 Secs]	[2]																																																																							
4	J1243+4646 (STIS.sp.13 66577)	(8) J1243+4646	STIS/NUV-MAMA, TIME-TAG, 52X0.5	G230L 2376 A	BUFFER-TIME=73 0			3200.0 Secs (2932 Secs) [==>2932.0 Secs]	[3]																																																																							
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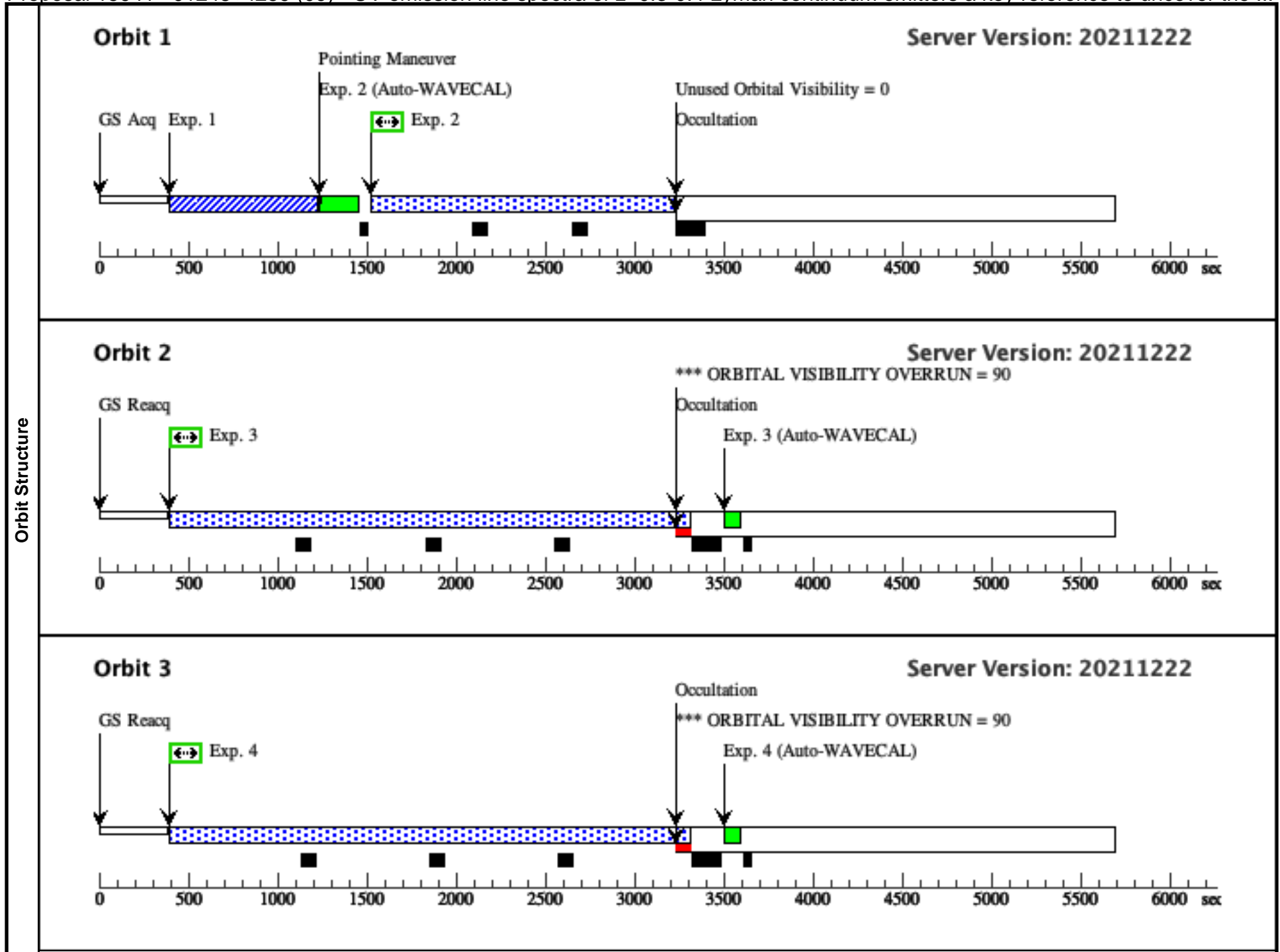


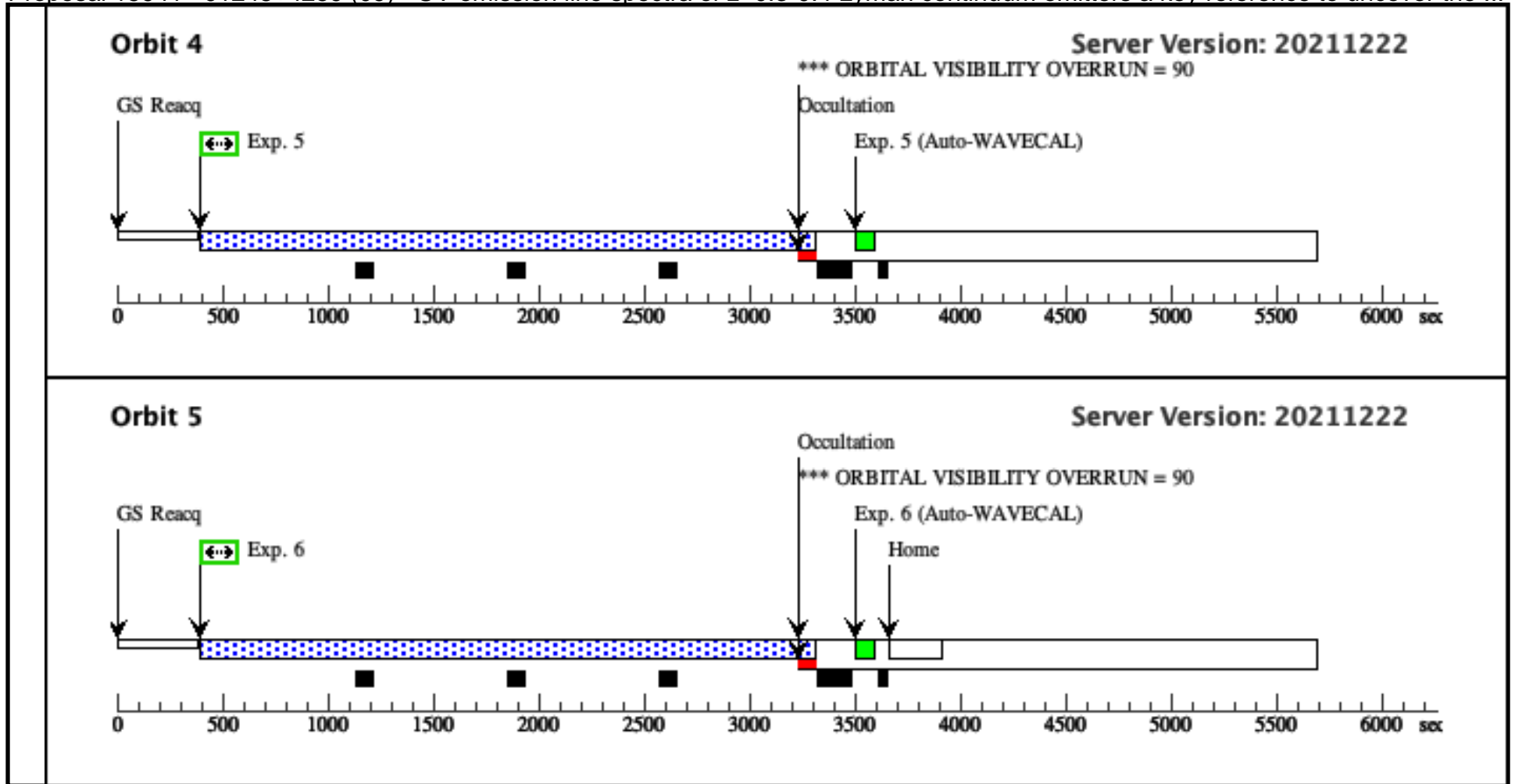


Proposal 15941 - J1248+4259 (09) - UV emission line spectra of z~0.3-0.4 Lyman continuum emitters a key reference to uncover the ...

Thu Jun 09 14:01:02 GMT 2022

Visit	Proposal 15941, J1248+4259 (09), completed Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/CCD Special Requirements: (none)																											
Diagnostics	(J1248+4259 (09)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (J1248+4259 (09)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (J1248+4259 (09)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (J1248+4259 (09)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN																											
Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(9)</td> <td>J1248+4259</td> <td>RA: 12 48 10.4800 (192.0436667d) Dec: +42 59 53.60 (42.99822d) Equinox: J2000</td> <td>Redshift: 0.363</td> <td>V=21.22+/-0.05 FUV=21.42+/-0.38, NUV=21.16+/-0.28, frest(1909)=(0.3-0.4)e-16 erg s-1 cm-2 A-1 in the continuum</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td colspan="6"> <i>Comments:</i> Category=GALAXY Description=[DWARF COMPACT, EMISSION LINE NEBULA, STAR FORMING REGION, STARBURST] Extended=NO </td> </tr> </tbody> </table>										#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(9)	J1248+4259	RA: 12 48 10.4800 (192.0436667d) Dec: +42 59 53.60 (42.99822d) Equinox: J2000	Redshift: 0.363	V=21.22+/-0.05 FUV=21.42+/-0.38, NUV=21.16+/-0.28, frest(1909)=(0.3-0.4)e-16 erg s-1 cm-2 A-1 in the continuum	Reference Frame: ICRS	<i>Comments:</i> Category=GALAXY Description=[DWARF COMPACT, EMISSION LINE NEBULA, STAR FORMING REGION, STARBURST] Extended=NO					
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																							
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<i>Comments:</i> Category=GALAXY Description=[DWARF COMPACT, EMISSION LINE NEBULA, STAR FORMING REGION, STARBURST] Extended=NO																												
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit																		
	1	J1248+4259 ACQ (STIS.ta.136 6548)	(9) J1248+4259	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			150.0 Secs (150 Secs) [==>]	[1]																		
	2	J1248+4259 (STIS.sp.13 66578)	(9) J1248+4259	STIS/NUV-MAMA, TIME-TAG, 52X0.5	G230L 2376 A	BUFFER-TIME=55 0			1800.0 Secs (1660 Secs) [==>1660.0 Secs]	[1]																		
	3	J1248+4259 (STIS.sp.13 66578)	(9) J1248+4259	STIS/NUV-MAMA, TIME-TAG, 52X0.5	G230L 2376 A	BUFFER-TIME=72 0			3200.0 Secs (2908 Secs) [==>2908.0 Secs]	[2]																		
	4	J1248+4259 (STIS.sp.13 66578)	(9) J1248+4259	STIS/NUV-MAMA, TIME-TAG, 52X0.5	G230L 2376 A	BUFFER-TIME=72 0			3200.0 Secs (2885 Secs) [==>2885.0 Secs]	[3]																		
	5	J1248+4259 (STIS.sp.13 66578)	(9) J1248+4259	STIS/NUV-MAMA, TIME-TAG, 52X0.5	G230L 2376 A	BUFFER-TIME=72 0			3200.0 Secs (2885 Secs) [==>2885.0 Secs]	[4]																		
	6	J1248+4259 (STIS.sp.13 66578)	(9) J1248+4259	STIS/NUV-MAMA, TIME-TAG, 52X0.5	G230L 2376 A	BUFFER-TIME=72 0			3200.0 Secs (2885 Secs) [==>2885.0 Secs]	[5]																		

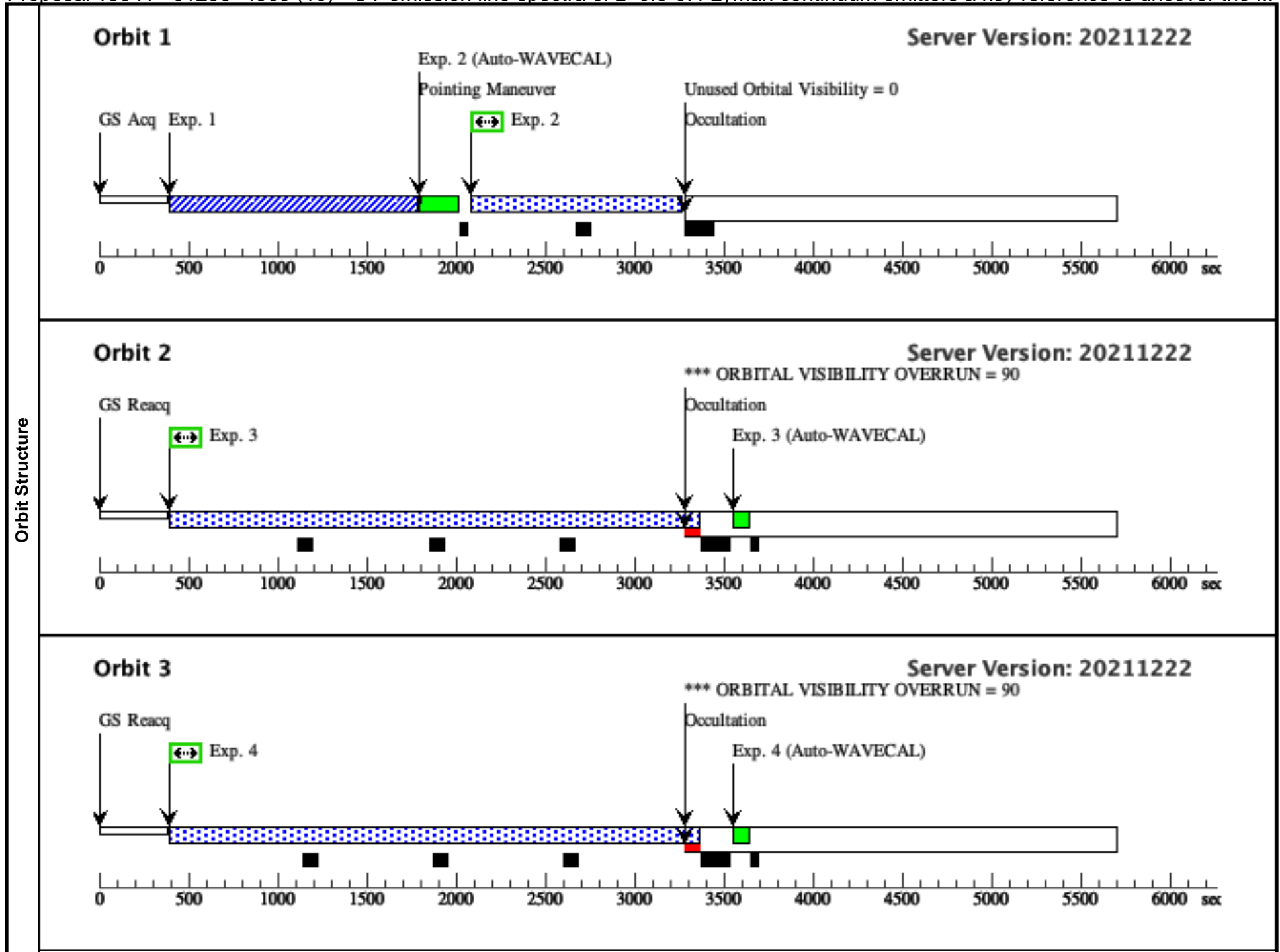


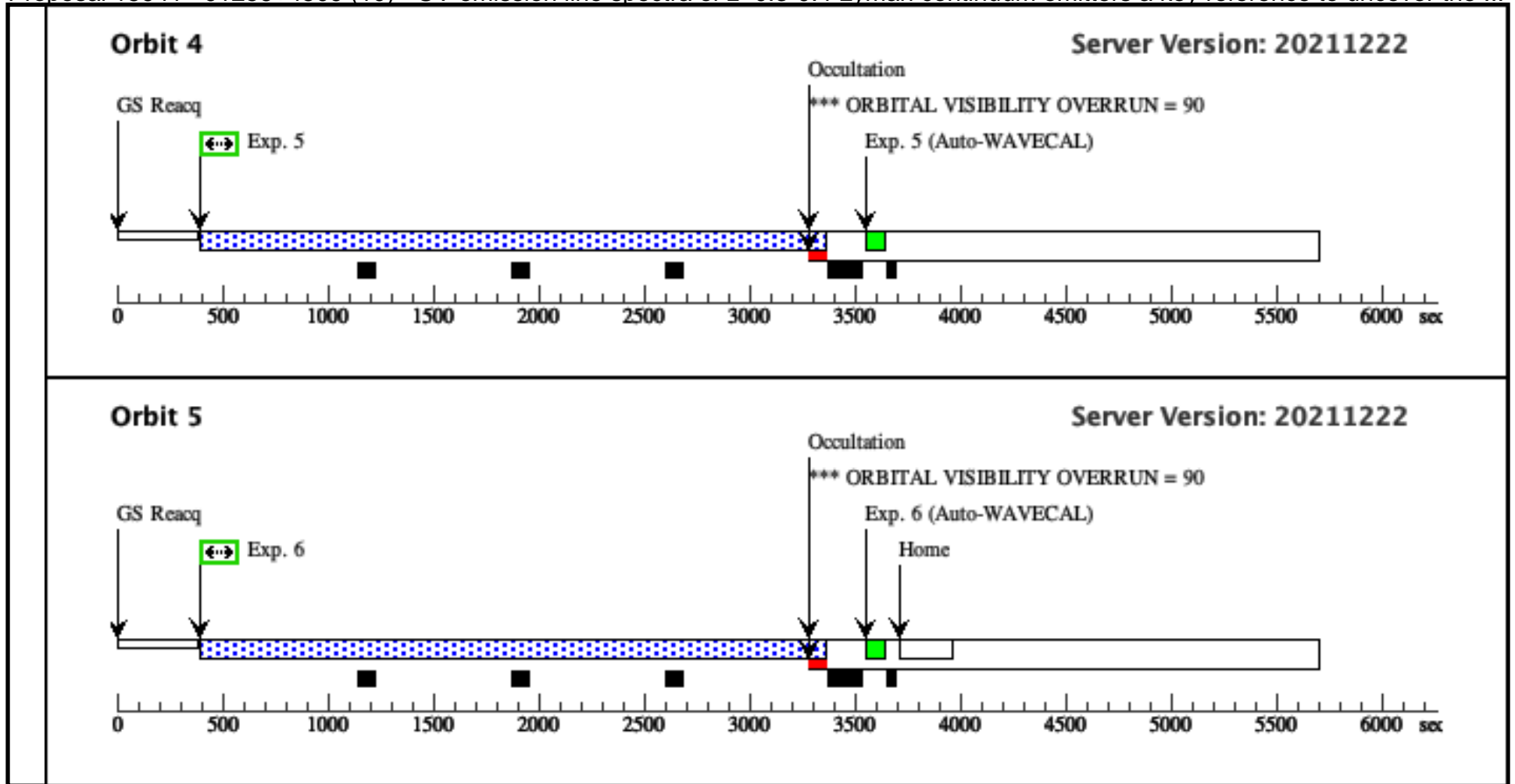


Proposal 15941 - J1256+4509 (10) - UV emission line spectra of z~0.3-0.4 Lyman continuum emitters a key reference to uncover the ...

Thu Jun 09 14:01:02 GMT 2022

Visit	Proposal 15941, J1256+4509 (10), failed Diagnostic Status: Warning Scientific Instruments: STIS/NUV-MAMA, STIS/CCD Special Requirements: (none)									
	Diagnostics	(J1256+4509 (10)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (J1256+4509 (10)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (J1256+4509 (10)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (J1256+4509 (10)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN								
Fixed Targets		#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
		(10)	J1256+4509	RA: 12 56 44.1500 (194.1839583d) Dec: +45 09 17.00 (45.15472d) Equinox: J2000	Redshift: 0.353	V=22.01+/-0.06 FUV=21.66+/-0.30, NUV=21.85+/-0.27, frest(1909)=0.3e-16 erg s-1 cm- 2 A-1 in the continuum	Reference Frame: ICRS			
	<i>Comments:</i> Category=GALAXY Description=[DWARF COMPACT, EMISSION LINE NEBULA, STAR FORMING REGION, STARBURST] Extended=NO									
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	J1256+4509 ACQ (STIS.ta.136 6549)	(10) J1256+4509	STIS/CCD, ACQ, F28X50LP	MIRROR		ACQTYPE=POINT		290.0 Secs (290 Secs) [==>]	[1]
	2	J1256+4409 (STIS.sp.13 66579)	(10) J1256+4509	STIS/NUV-MAMA, TIME-TAG, 52X0.5	G230L 2376 A		BUFFER-TIME=56 5		1800.0 Secs (1147 Secs) [==>1147.0 Secs]	[1]
	3	J1256+4509 (STIS.sp.13 66579)	(10) J1256+4509	STIS/NUV-MAMA, TIME-TAG, 52X0.5	G230L 2376 A		BUFFER-TIME=73 0		3200.0 Secs (2955 Secs) [==>2955.0 Secs]	[2]
	4	J1256+4509 (STIS.sp.13 66579)	(10) J1256+4509	STIS/NUV-MAMA, TIME-TAG, 52X0.5	G230L 2376 A		BUFFER-TIME=73 0		3200.0 Secs (2932 Secs) [==>2932.0 Secs]	[3]
	5	J1256+4509 (STIS.sp.13 66579)	(10) J1256+4509	STIS/NUV-MAMA, TIME-TAG, 52X0.5	G230L 2376 A		BUFFER-TIME=73 0		3200.0 Secs (2932 Secs) [==>2932.0 Secs]	[4]
	6	J1256+4509 (STIS.sp.13 66579)	(10) J1256+4509	STIS/NUV-MAMA, TIME-TAG, 52X0.5	G230L 2376 A		BUFFER-TIME=73 0		3200.0 Secs (2932 Secs) [==>2932.0 Secs]	[5]





Proposal 15941 - J1256+4509 (11) - UV emission line spectra of z~0.3-0.4 Lyman continuum emitters a key reference to uncover the ...

Thu Jun 09 14:01:02 GMT 2022

Visit	Proposal 15941, J1256+4509 (11), implementation Diagnostic Status: No Diagnostics Scientific Instruments: STIS/NUV-MAMA, STIS/CCD Special Requirements: SCHED 50%									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
		(10)	J1256+4509	RA: 12 56 44.1500 (194.1839583d) Dec: +45 09 17.00 (45.15472d) Equinox: J2000	Redshift: 0.353	V=22.01+/-0.06 FUV=21.66+/-0.30, NUV=21.85+/-0.27, frest(1909)=0.3e-16 erg s-1 cm-2 A-1 in the continuum	Reference Frame: ICRS			
	<i>Comments:</i> Category=GALAXY Description=[DWARF COMPACT, EMISSION LINE NEBULA, STAR FORMING REGION, STARBURST] Extended=NO									
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	J1256+4509 ACQ (STIS.ta.136 6549)	(10) J1256+4509	STIS/CCD, ACQ, F28X50LP	MIRROR	ACQTYPE=POINT			145 Secs (145 Secs) [==>]	[1]
	2	J1256+4509 (STIS.sp.13 66579)	(10) J1256+4509	STIS/NUV-MAMA, TIME-TAG, 52X0.5	G230L 2376 A	BUFFER-TIME=76 0.0			1619 Secs (1619 Secs) [==>]	[1]
	3	J1256+4509 (STIS.sp.13 66579)	(10) J1256+4509	STIS/NUV-MAMA, TIME-TAG, 52X0.5	G230L 2376 A	BUFFER-TIME=76 0.0			2757 Secs (2757 Secs) [==>]	[2]

