



14656 - How does ionizing radiation escape from galaxies?

Cycle: 24, 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) J1152 | ACS/SBC | 2 | 22-Jan-2018 20:08:05.0 | yes |
| 10 | (1) J1152 | ACS/SBC | 2 | 22-Jan-2018 20:08:07.0 | yes |
| 60 | (1) J1152 | ACS/SBC | 2 | 22-Jan-2018 20:08:08.0 | yes |
| 11 | (1) J1152 | ACS/SBC | 2 | 22-Jan-2018 20:08:10.0 | yes |
| 04 | (1) J1152 | ACS/SBC | 2 | 22-Jan-2018 20:08:11.0 | 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> |
|--------------|------------------------------|-------------------------------------|--------------------|-------------------------------|-------------------------------|
| 05 | (1) J1152 | ACS/SBC | 1 | 22-Jan-2018 20:08:12.0 | yes |
| 06 | (1) J1152 | ACS/WFC | 1 | 22-Jan-2018 20:08:13.0 | yes |
| 07 | (1) J1152 | WFC3/UVIS | 1 | 22-Jan-2018 20:08:14.0 | yes |
| 08 | (1) J1152 | WFC3/UVIS | 1 | 22-Jan-2018 20:08:15.0 | yes |
| 09 | (1) J1152 | WFC3/UVIS | 1 | 22-Jan-2018 20:08:16.0 | yes |

15 Total Orbits Used

ABSTRACT

Search for sources that reionized the Universe from $z \sim 15$ to $z \sim 6$ is one of the main drivers of present-day astronomy. Low-mass star-forming galaxies are the most favoured sources of ionizing photons, but the searches of escaping Lyman continuum (LyC) have not been extremely successful. Our team has recently detected prominent LyC escape from five Green Pea galaxies at redshift ~ 0.3 , using the HST/COS spectrograph, which represents a significant breakthrough. We propose here to study the LyC escape of the strongest among these leakers, J1152, with spatial resolution. From the comparison of the ionizing and non-ionizing radiation maps, and surface brightness profiles, we will infer the major mode in which LyC is escaping: from the strongest starburst, from the galaxy edge, through a hole along our line-of-sight, through clumpy medium, or directly from all the production sites due to highly ionized medium in the entire galaxy. In parallel, we will test the predictive power of two highly debated indirect indicators of LyC leakage: the [OIII]5007/[OII]3727 ratio, and Lyman-alpha. We predict that their spatial distribution should closely follow that of the ionizing continuum if column densities of the neutral gas are low. This combined study, which relies on the HST unique capabilities, will bring crucial information on the structure of the leaking galaxies, provide constraints for hydrodynamic simulations, and will lead to efficient future searches for LyC leakers across a large range of redshifts.

OBSERVING DESCRIPTION

This program will image a compact, star-forming galaxy at $z \sim 0.3$ in UV and optical filters, using ACS/SBC (9 orbits), ACS/WFC (1 orbit) and WFC3/UVIS (3 orbits). Total 13 orbits.

We request the SBC visits to be scheduled so that the SBC HAS NOT BEEN IN USE FOR THE PAST 24 HOURS to minimize the dark current. We have split the SBC observations by 2 orbits per visit to prevent heatup of the detector.

We require that the SBC F115LP observations be done in the SHADOW part of the orbits to minimize the effects of airglow background due to geocoronal Lyman-alpha emission. We complete the remaining part of the orbits with SBC F125LP observations.

We have estimated the exposure times with ETC version 24.2.

We will derive the Lyman continuum image by subtracting the signal in two adjacent ACS/SBC filters, F115LP and F125LP. We have used pysynphot to simulate the filter subtraction and derive the necessary exposure times to achieve signal-to-noise ratio of 15 in the subtracted image.

We will obtain the Lyman-alpha line image from the subtraction of ACS/SBC F150LP and F165LP images.

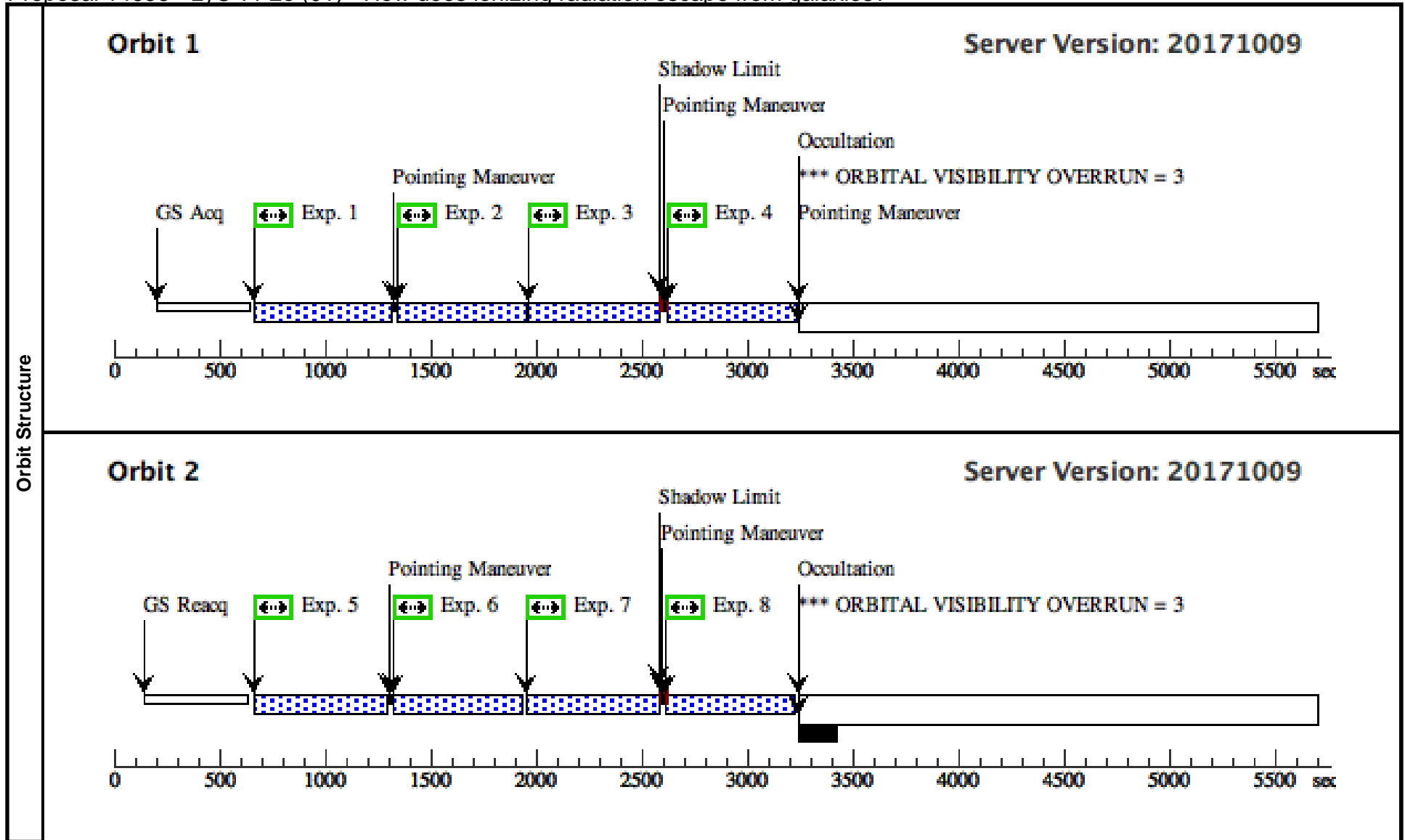
To plan the exposure times in the line and continuum filters, we have taken into account the SDSS spectroscopic fluxes, the HST COS FUV spectroscopy, and the NUV light distribution observed by HST GO 13744. We have added FLASH for WFC3/UVIS and ACS/WFC exposures as advised by the APT and ETC. All the exposures are safe in BOT.

The WFC3/UVIS visits utilise dithering to step over droplets. We use ACS/WFC ramp filters for H-alpha and H-beta, using small POS_TARGs. We use a large dithering pattern for the ACS/SBC exposures to dither over the large scale flat-field features.

Proposal 14656 - LyC v1 2o (01) - How does ionizing radiation escape from galaxies?

Tue Jan 23 01:08:17 GMT 2018

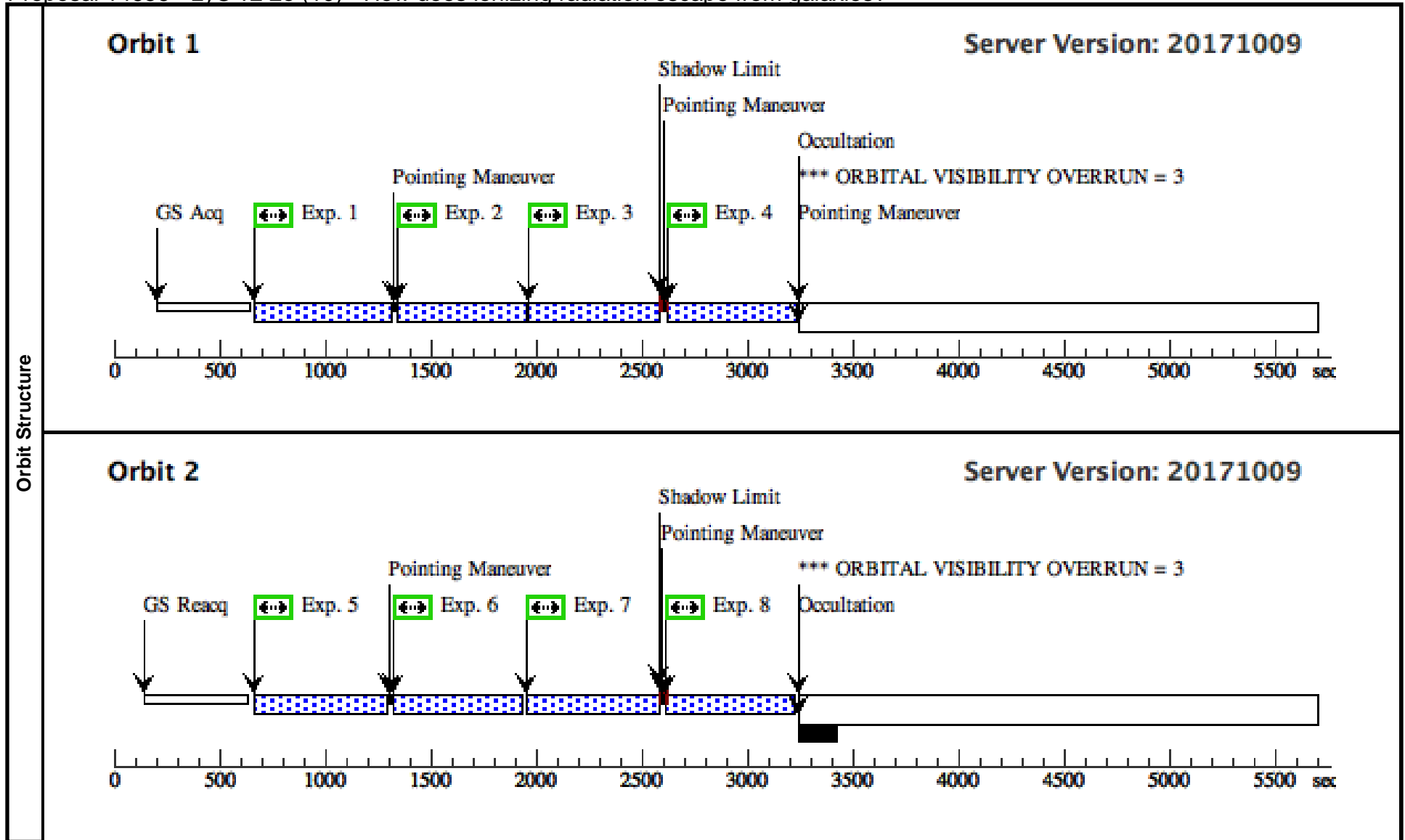
| | | | | | | | | | | |
|---|--|---------------------------|--|-----------------------------|---------------------------------|---------------------|---|---------------|--|--------------|
| Visit | Proposal 14656, LyC v1 2o (01), completed Diagnostic Status: Warning Scientific Instruments: ACS/SBC Special Requirements: (none) <i>Comments: SBC: We request that SBC NOT BE USED 24 HOURS before this visit in order to mitigate the effects of dark current.</i> | | | | | | | | | |
| | (LyC v1 2o (01)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (LyC v1 2o (01)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN | | | | | | | | | |
| Diagnosics | | | | | | | | | | |
| | | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | | Targ. Coord. Corrections | | Fluxes | | Miscellaneous | |
| | (1) | J1152 | RA: 11 52 4.8800 (178.0203333d) Dec: +34 00 49.88 (34.01386d) Equinox: J2000 | | | | V=20.28+/-0.05 FUV=20.66+/-0.30, NUV=20.38+/-0.17 | | Reference Frame: ICRS | |
| <i>Comments:</i> Category=GALAXY Description=[DWARF COMPACT, STARBURST] Extended=YES | | | | | | | | | | |
| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | SBC115 1 (ACS.im.82 8235) | (1) J1152 | ACS/SBC, ACCUM, SBC-FIX | F115LP | | POS TARG 4.5,-4.5; SHADOW | | 581 Secs (581 Secs) [==>] | [1] |
| | 2 | SBC115 2 (ACS.im.82 8235) | (1) J1152 | ACS/SBC, ACCUM, SBC-FIX | F115LP | | POS TARG 4.585,-4.245; SHADOW | | 581 Secs (581 Secs) [==>] | [1] |
| | 3 | SBC125 2 (ACS.im.82 8236) | (1) J1152 | ACS/SBC, ACCUM, SBC-FIX | F125LP | | SAME POS AS 2 | | 581 Secs (581 Secs) [==>] | [1] |
| | 4 | SBC125 1 (ACS.im.82 8236) | (1) J1152 | ACS/SBC, ACCUM, SBC-FIX | F125LP | | SAME POS AS 1 | | 581 Secs (581 Secs) [==>] | [1] |
| | 5 | SBC115 3 (ACS.im.82 8235) | (1) J1152 | ACS/SBC, ACCUM, SBC-FIX | F115LP | | POS TARG 4.5,4.5; SHADOW | | 587 Secs (587 Secs) [==>] | [2] |
| | 6 | SBC115 4 (ACS.im.82 8235) | (1) J1152 | ACS/SBC, ACCUM, SBC-FIX | F115LP | | POS TARG 4.585,4.755; SHADOW | | 587 Secs (587 Secs) [==>] | [2] |
| | 7 | SBC125 4 (ACS.im.82 8236) | (1) J1152 | ACS/SBC, ACCUM, SBC-FIX | F125LP | | SAME POS AS 6 | | 587 Secs (587 Secs) [==>] | [2] |
| | 8 | SBC125 3 (ACS.im.82 8236) | (1) J1152 | ACS/SBC, ACCUM, SBC-FIX | F125LP | | SAME POS AS 5 | | 586 Secs (586 Secs) [==>] | [2] |



Proposal 14656 - LyC v2 2o (10) - How does ionizing radiation escape from galaxies?

Tue Jan 23 01:08:17 GMT 2018

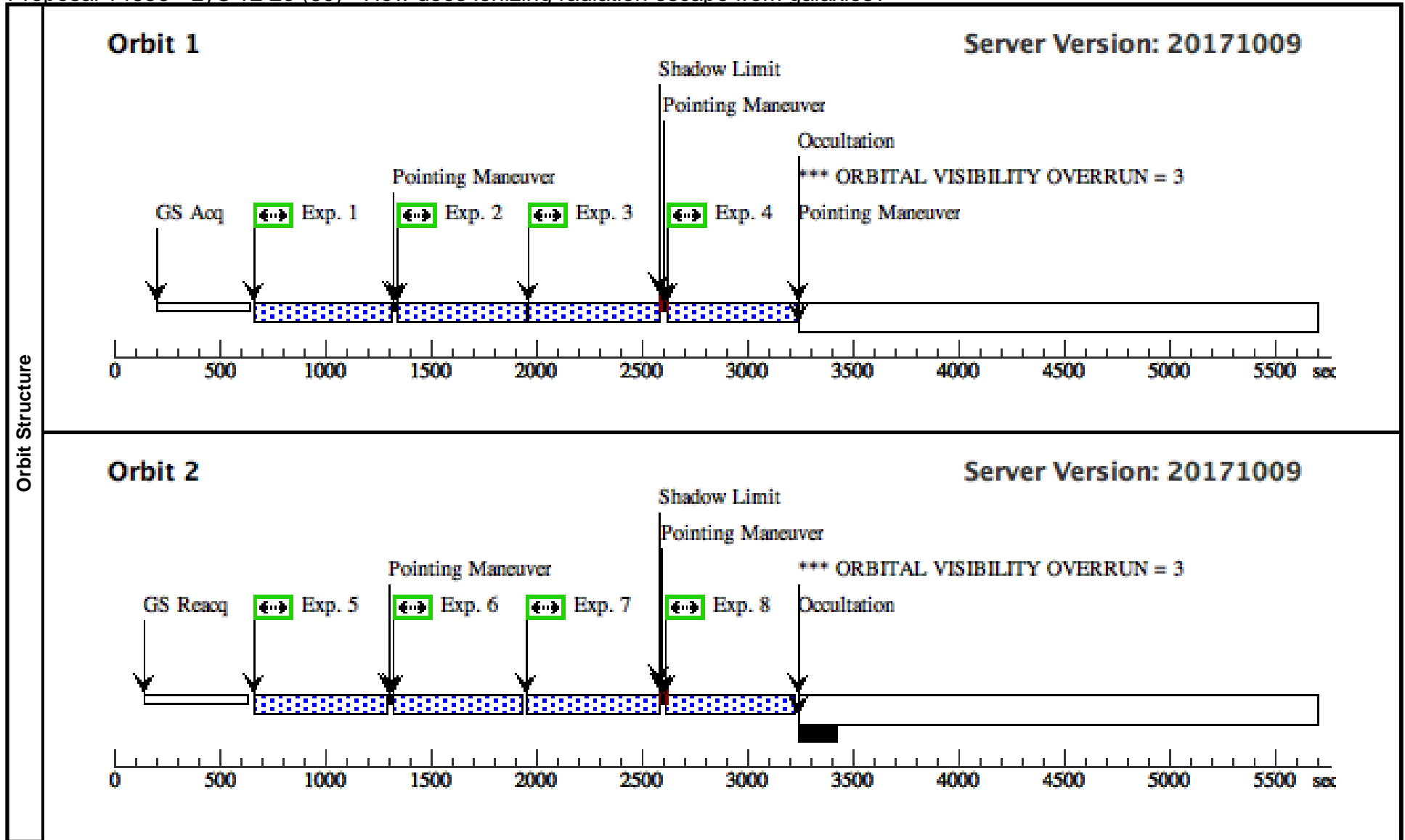
| Visit | Proposal 14656, LyC v2 2o (10), failed Diagnostic Status: Warning Scientific Instruments: ACS/SBC Special Requirements: (none) <i>Comments: SBC: We request that SBC NOT BE USED 24 HOURS before this visit in order to mitigate the effects of dark current.</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|-------------------------|---|-----------------------|-----------------------------------|--------|---------------------------------|-------|---|-----------------|--------|----------------------|--------------------------|--------------|---------------|--------|---------------------------------|--|---|---|-----------------------|-------------------------|--------|--|------------------------------|--|------------------------------|-----|---|---------------------------|-----------|-------------------------|--------|--|----------------------------------|--|------------------------------|-----|---|---------------------------|-----------|-------------------------|--------|--|---------------|--|------------------------------|-----|---|---------------------------|-----------|-------------------------|--------|--|---------------|--|------------------------------|-----|---|---------------------------|-----------|-------------------------|--------|--|-------------------------------|--|------------------------------|-----|---|---------------------------|-----------|-------------------------|--------|--|-----------------------------------|--|------------------------------|-----|---|---------------------------|-----------|-------------------------|--------|--|---------------|--|------------------------------|-----|---|---------------------------|-----------|-------------------------|--------|--|---------------|--|------------------------------|-----|
| | (LyC v2 2o (10)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (LyC v2 2o (10)) 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>(1)</td> <td>J1152</td> <td>RA: 11 52 4.8800 (178.0203333d) Dec: +34 00 49.88 (34.01386d) Equinox: J2000</td> <td></td> <td>V=20.28+/-0.05 FUV=20.66+/-0.30, NUV=20.38+/-0.17</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments:</i> Category=GALAXY Description=[DWARF COMPACT, STARBURST] Extended=YES</p> | | | | | | | | | | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (1) | J1152 | RA: 11 52 4.8800 (178.0203333d) Dec: +34 00 49.88 (34.01386d) Equinox: J2000 | | V=20.28+/-0.05 FUV=20.66+/-0.30, NUV=20.38+/-0.17 | Reference Frame: ICRS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| <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>SBC115 5 (ACS.im.82 8235)</td> <td>(1) J1152</td> <td>ACS/SBC, ACCUM, SBC-FIX</td> <td>F115LP</td> <td></td> <td>POS TARG -4.5,4.5; SHADOW</td> <td></td> <td>581 Secs (581 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>2</td> <td>SBC115 6 (ACS.im.82 8235)</td> <td>(1) J1152</td> <td>ACS/SBC, ACCUM, SBC-FIX</td> <td>F115LP</td> <td></td> <td>POS TARG -4.585,4.755; SHADOW</td> <td></td> <td>581 Secs (581 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>3</td> <td>SBC125 6 (ACS.im.82 8236)</td> <td>(1) J1152</td> <td>ACS/SBC, ACCUM, SBC-FIX</td> <td>F125LP</td> <td></td> <td>SAME POS AS 2</td> <td></td> <td>581 Secs (581 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>4</td> <td>SBC125 5 (ACS.im.82 8236)</td> <td>(1) J1152</td> <td>ACS/SBC, ACCUM, SBC-FIX</td> <td>F125LP</td> <td></td> <td>SAME POS AS 1</td> <td></td> <td>581 Secs (581 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>5</td> <td>SBC115 7 (ACS.im.82 8235)</td> <td>(1) J1152</td> <td>ACS/SBC, ACCUM, SBC-FIX</td> <td>F115LP</td> <td></td> <td>POS TARG -4.5,-4.5; SHADOW</td> <td></td> <td>587 Secs (587 Secs) [==>]</td> <td>[2]</td> </tr> <tr> <td>6</td> <td>SBC115 8 (ACS.im.82 8235)</td> <td>(1) J1152</td> <td>ACS/SBC, ACCUM, SBC-FIX</td> <td>F115LP</td> <td></td> <td>POS TARG -4.585,-4.245; SHADOW</td> <td></td> <td>587 Secs (587 Secs) [==>]</td> <td>[2]</td> </tr> <tr> <td>7</td> <td>SBC125 8 (ACS.im.82 8236)</td> <td>(1) J1152</td> <td>ACS/SBC, ACCUM, SBC-FIX</td> <td>F125LP</td> <td></td> <td>SAME POS AS 6</td> <td></td> <td>587 Secs (587 Secs) [==>]</td> <td>[2]</td> </tr> <tr> <td>8</td> <td>SBC125 7 (ACS.im.82 8236)</td> <td>(1) J1152</td> <td>ACS/SBC, ACCUM, SBC-FIX</td> <td>F125LP</td> <td></td> <td>SAME POS AS 5</td> <td></td> <td>586 Secs (586 Secs) [==>]</td> <td>[2]</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 | SBC115 5 (ACS.im.82 8235) | (1) J1152 | ACS/SBC, ACCUM, SBC-FIX | F115LP | | POS TARG -4.5,4.5; SHADOW | | 581 Secs (581 Secs) [==>] | [1] | 2 | SBC115 6 (ACS.im.82 8235) | (1) J1152 | ACS/SBC, ACCUM, SBC-FIX | F115LP | | POS TARG -4.585,4.755; SHADOW | | 581 Secs (581 Secs) [==>] | [1] | 3 | SBC125 6 (ACS.im.82 8236) | (1) J1152 | ACS/SBC, ACCUM, SBC-FIX | F125LP | | SAME POS AS 2 | | 581 Secs (581 Secs) [==>] | [1] | 4 | SBC125 5 (ACS.im.82 8236) | (1) J1152 | ACS/SBC, ACCUM, SBC-FIX | F125LP | | SAME POS AS 1 | | 581 Secs (581 Secs) [==>] | [1] | 5 | SBC115 7 (ACS.im.82 8235) | (1) J1152 | ACS/SBC, ACCUM, SBC-FIX | F115LP | | POS TARG -4.5,-4.5; SHADOW | | 587 Secs (587 Secs) [==>] | [2] | 6 | SBC115 8 (ACS.im.82 8235) | (1) J1152 | ACS/SBC, ACCUM, SBC-FIX | F115LP | | POS TARG -4.585,-4.245; SHADOW | | 587 Secs (587 Secs) [==>] | [2] | 7 | SBC125 8 (ACS.im.82 8236) | (1) J1152 | ACS/SBC, ACCUM, SBC-FIX | F125LP | | SAME POS AS 6 | | 587 Secs (587 Secs) [==>] | [2] | 8 | SBC125 7 (ACS.im.82 8236) | (1) J1152 | ACS/SBC, ACCUM, SBC-FIX | F125LP | | SAME POS AS 5 | | 586 Secs (586 Secs) [==>] | [2] |
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| 3 | SBC125 6 (ACS.im.82 8236) | (1) J1152 | ACS/SBC, ACCUM, SBC-FIX | F125LP | | SAME POS AS 2 | | 581 Secs (581 Secs) [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | SBC125 5 (ACS.im.82 8236) | (1) J1152 | ACS/SBC, ACCUM, SBC-FIX | F125LP | | SAME POS AS 1 | | 581 Secs (581 Secs) [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 8 | SBC125 7 (ACS.im.82 8236) | (1) J1152 | ACS/SBC, ACCUM, SBC-FIX | F125LP | | SAME POS AS 5 | | 586 Secs (586 Secs) [==>] | [2] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



Proposal 14656 - LyC v2 2o (60) - How does ionizing radiation escape from galaxies?

Tue Jan 23 01:08:18 GMT 2018

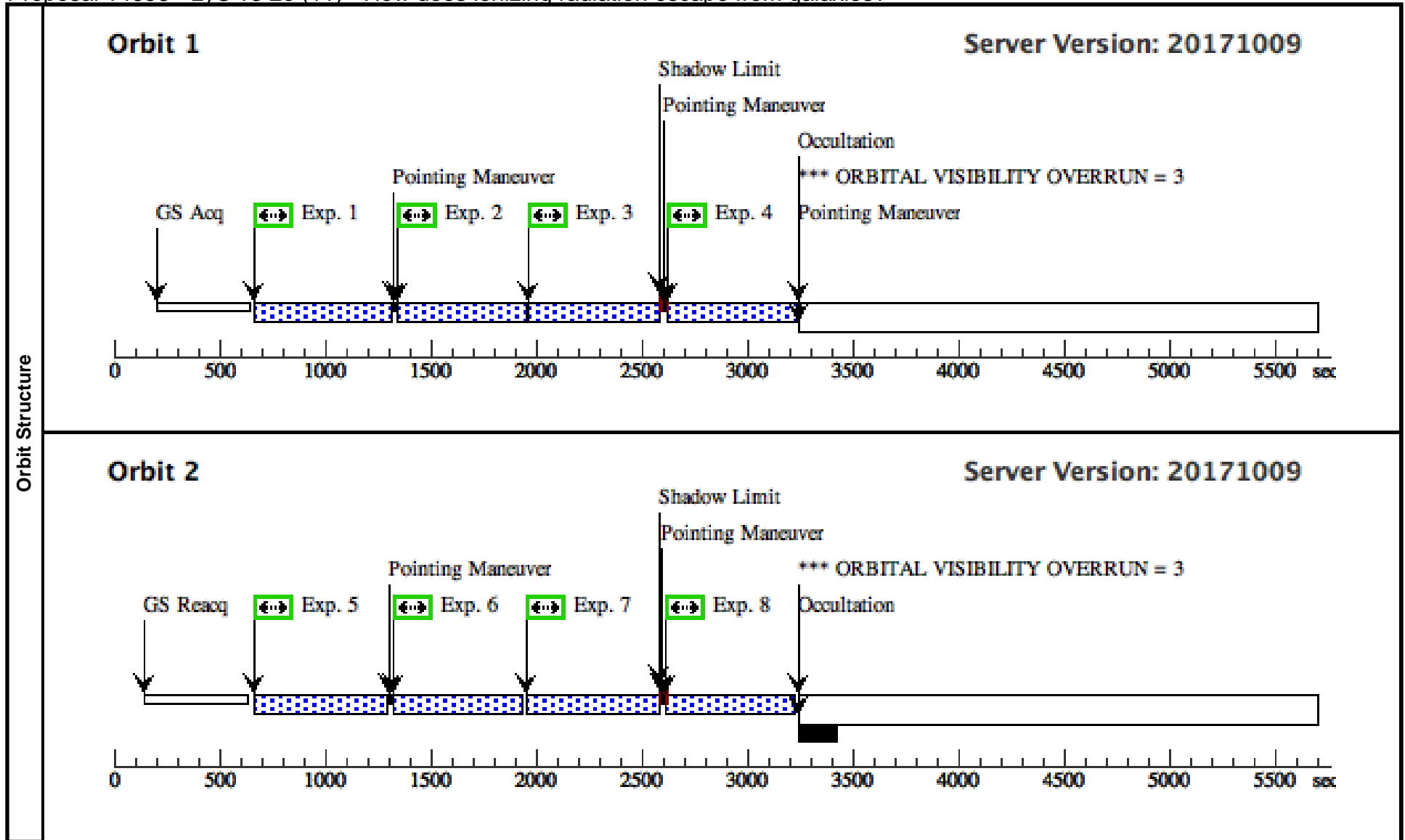
| Visit | Proposal 14656, LyC v2 2o (60) Diagnostic Status: Warning Scientific Instruments: ACS/SBC Special Requirements: (none) <i>Comments: SBC: We request that SBC NOT BE USED 24 HOURS before this visit in order to mitigate the effects of dark current.</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|-------------------------|---|-----------------------|-----------------------------------|--------|---------------------------------|-------|---|-----------------|--------|----------------------|--------------------------|--------------|---------------|--------|---------------------------------|--|---|---|-----------------------|-------------------------|--------|--|------------------------------|--|------------------------------|-----|---|---------------------------|-----------|-------------------------|--------|--|----------------------------------|--|------------------------------|-----|---|---------------------------|-----------|-------------------------|--------|--|---------------|--|------------------------------|-----|---|---------------------------|-----------|-------------------------|--------|--|---------------|--|------------------------------|-----|---|---------------------------|-----------|-------------------------|--------|--|-------------------------------|--|------------------------------|-----|---|---------------------------|-----------|-------------------------|--------|--|-----------------------------------|--|------------------------------|-----|---|---------------------------|-----------|-------------------------|--------|--|---------------|--|------------------------------|-----|---|---------------------------|-----------|-------------------------|--------|--|---------------|--|------------------------------|-----|
| | (LyC v2 2o (60)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (LyC v2 2o (60)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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Proposal 14656 - LyC v3 2o (11) - How does ionizing radiation escape from galaxies?

Tue Jan 23 01:08:18 GMT 2018

| Visit | Proposal 14656, LyC v3 2o (11), scheduled Diagnostic Status: Warning Scientific Instruments: ACS/SBC Special Requirements: (none) <i>Comments: SBC: We request that SBC NOT BE USED 24 HOURS before this visit in order to mitigate the effects of dark current.</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 4 | SBC125 9 (ACS.im.82 8236) | (1) J1152 | ACS/SBC, ACCUM, SBC-FIX | F125LP | | SAME POS AS 1 | | 581 Secs (581 Secs) [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | SBC115 11 (ACS.im.82 8235) | (1) J1152 | ACS/SBC, ACCUM, SBC-FIX | F115LP | | POS TARG 1.5,1.5; SHADOW | | 587 Secs (587 Secs) [==>] | [2] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | SBC115 12 (ACS.im.82 8235) | (1) J1152 | ACS/SBC, ACCUM, SBC-FIX | F115LP | | POS TARG 1.585,1.755; SHADOW | | 586 Secs (586 Secs) [==>] | [2] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | SBC125 12 (ACS.im.82 8236) | (1) J1152 | ACS/SBC, ACCUM, SBC-FIX | F125LP | | SAME POS AS 6 | | 587 Secs (587 Secs) [==>] | [2] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | SBC125 11 (ACS.im.82 8236) | (1) J1152 | ACS/SBC, ACCUM, SBC-FIX | F125LP | | SAME POS AS 5 | | 587 Secs (587 Secs) [==>] | [2] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

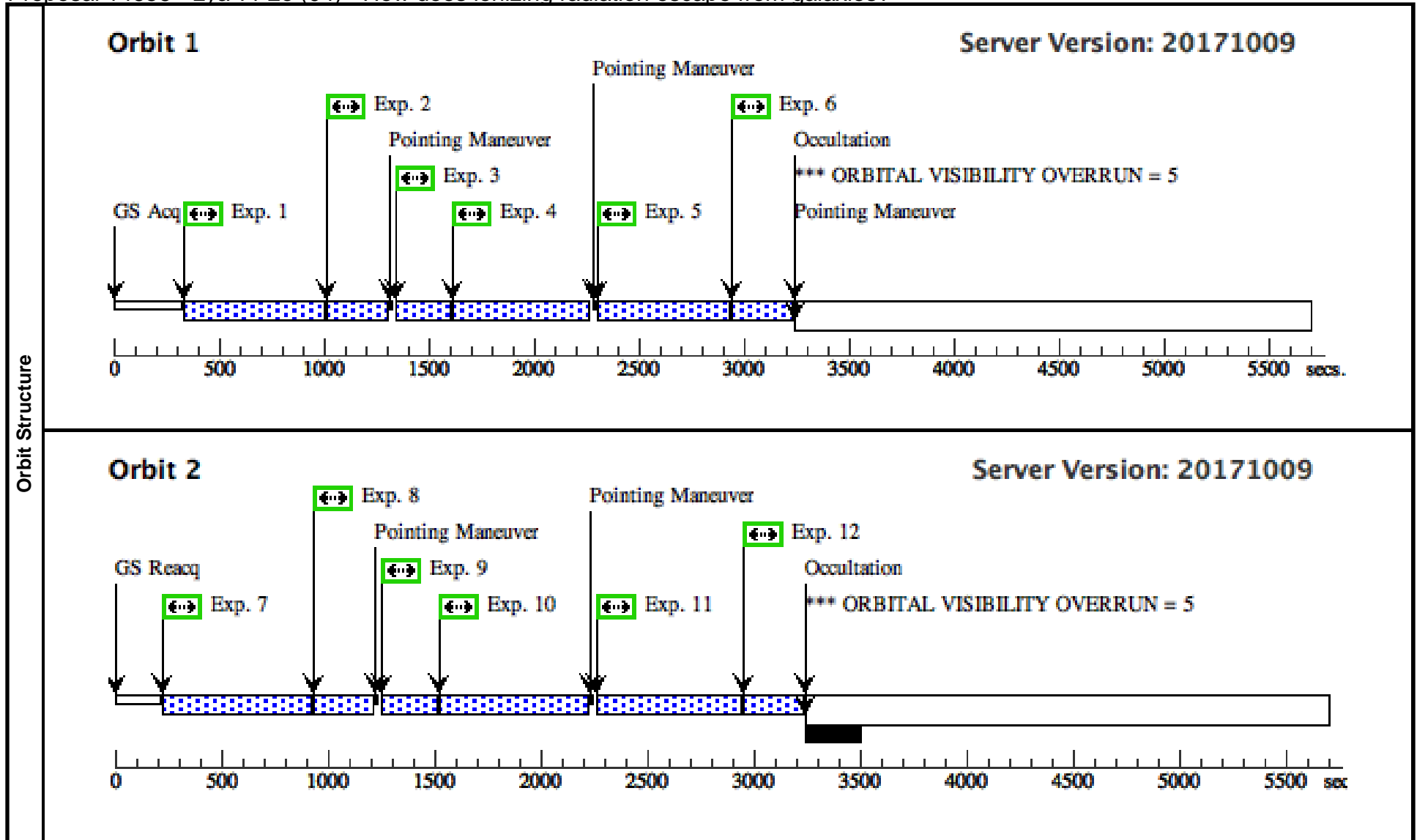


Proposal 14656 - Lya v1 2o (04) - How does ionizing radiation escape from galaxies?

| Visit | Proposal 14656, Lya v1 2o (04), completed Tue Jan 23 01:08:18 GMT 2018 Diagnostic Status: Warning Scientific Instruments: ACS/SBC Special Requirements: (none) <i>Comments: SBC: We request that SBC NOT BE USED 24 HOURS before this visit in order to mitigate the effects of dark current.</i> | | | | | | | | | | | | | | | | |
|---|---|--|--------------------|---|-----------------------|---------------|------|--------------------|--------------------------|--------|---------------|-----|-------|--|--|---|-----------------------|
| | Diagnosics (Lya v1 2o (04)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Lya v1 2o (04)) 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>(1)</td> <td>J1152</td> <td>RA: 11 52 4.8800 (178.0203333d) Dec: +34 00 49.88 (34.01386d) Equinox: J2000</td> <td></td> <td>V=20.28+/-0.05 FUV=20.66+/-0.30, NUV=20.38+/-0.17</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> | | | | | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (1) | J1152 | RA: 11 52 4.8800 (178.0203333d) Dec: +34 00 49.88 (34.01386d) Equinox: J2000 | | V=20.28+/-0.05 FUV=20.66+/-0.30, NUV=20.38+/-0.17 | Reference Frame: ICRS |
| | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | | | | |
| (1) | J1152 | RA: 11 52 4.8800 (178.0203333d) Dec: +34 00 49.88 (34.01386d) Equinox: J2000 | | V=20.28+/-0.05 FUV=20.66+/-0.30, NUV=20.38+/-0.17 | Reference Frame: ICRS | | | | | | | | | | | | |
| <i>Comments:</i> Category=GALAXY Description=[DWARF COMPACT, STARBURST] Extended=YES | | | | | | | | | | | | | | | | | |

Proposal 14656 - Lya v1 2o (04) - How does ionizing radiation escape from galaxies?

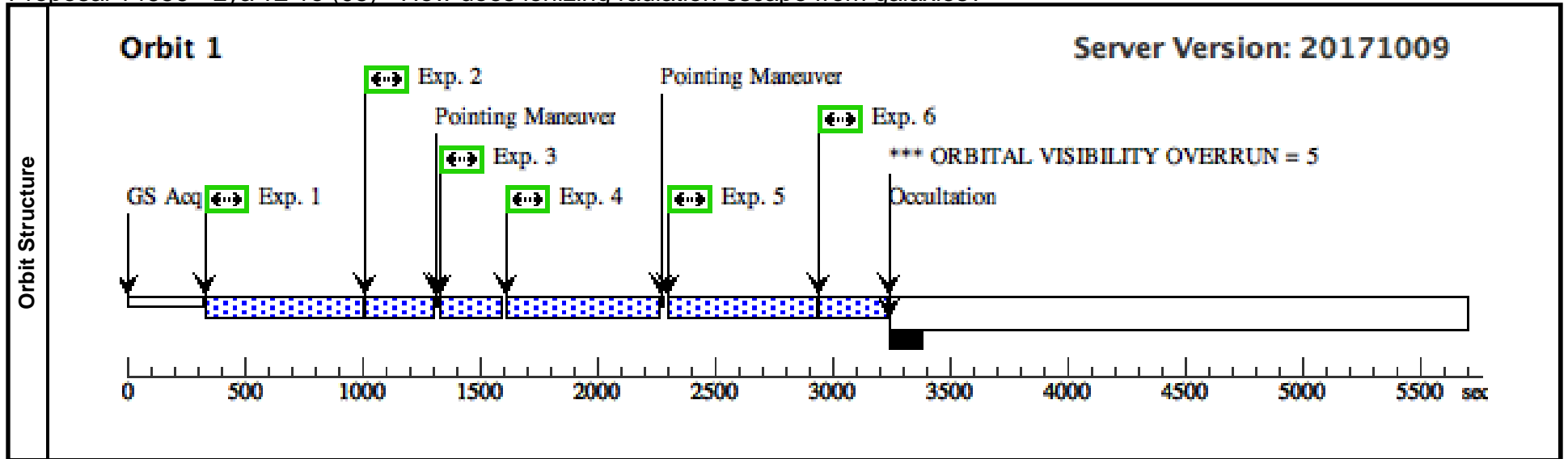
| Exposures | # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | |
|-----------|---------------------------------|---------------------------------|-------------------------|-------------------------|---------------|--------------|----------------|---------------------------|---------------------------------|------------------------------|-----|
| | 1 | SBC165 1 (ACS.im.82 8243) | (1) J1152 | ACS/SBC, ACCUM, SBC-FIX | F165LP | | | POS TARG -3.0,3.0 | | 600 Secs (600 Secs) [==>] | [1] |
| | 2 | SBC150 1 (ACS.im.82 8242) | (1) J1152 | ACS/SBC, ACCUM, SBC-FIX | F150LP | | | SAME POS AS 1 | | 237 Secs (237 Secs) [==>] | [1] |
| | 3 | SBC150 2 (ACS.im.82 8242) | (1) J1152 | ACS/SBC, ACCUM, SBC-FIX | F150LP | | | POS TARG 0.168,-2 .938 | | 237 Secs (237 Secs) [==>] | [1] |
| | 4 | SBC165 2 (ACS.im.82 8243) | (1) J1152 | ACS/SBC, ACCUM, SBC-FIX | F165LP | | | SAME POS AS 3 | | 600 Secs (600 Secs) [==>] | [1] |
| | 5 | SBC165 3 (ACS.im.82 8243) | (1) J1152 | ACS/SBC, ACCUM, SBC-FIX | F165LP | | | POS TARG 3.084,-2 .857 | | 600 Secs (600 Secs) [==>] | [1] |
| | 6 | SBC150 3 (ACS.im.82 8242) | (1) J1152 | ACS/SBC, ACCUM, SBC-FIX | F150LP | | | SAME POS AS 5 | | 237 Secs (237 Secs) [==>] | [1] |
| | 7 | SBC165 4 (ACS.im.82 8243) | (1) J1152 | ACS/SBC, ACCUM, SBC-FIX | F165LP | | | POS TARG 2.916,0. 082 | | 650 Secs (650 Secs) [==>] | [2] |
| | 8 | SBC150 4 (ACS.im.82 8242) | (1) J1152 | ACS/SBC, ACCUM, SBC-FIX | F150LP | | | SAME POS AS 7 | | 232 Secs (232 Secs) [==>] | [2] |
| | 9 | SBC150 5 (ACS.im.82 8242) | (1) J1152 | ACS/SBC, ACCUM, SBC-FIX | F150LP | | | | | 232 Secs (232 Secs) [==>] | [2] |
| | 10 | SBC165 5 (ACS.im.82 8243) | (1) J1152 | ACS/SBC, ACCUM, SBC-FIX | F165LP | | | SAME POS AS 9 | | 650 Secs (650 Secs) [==>] | [2] |
| | 11 | SBC165 6 (ACS.im.82 8243) | (1) J1152 | ACS/SBC, ACCUM, SBC-FIX | F165LP | | | POS TARG -2.832,0 .062 | | 650 Secs (650 Secs) [==>] | [2] |
| 12 | SBC150 6 (ACS.im.82 8242) | (1) J1152 | ACS/SBC, ACCUM, SBC-FIX | F150LP | | | SAME POS AS 11 | | 231 Secs (231 Secs) [==>] | [2] | |



Proposal 14656 - Lya v2 1o (05) - How does ionizing radiation escape from galaxies?

Tue Jan 23 01:08:18 GMT 2018

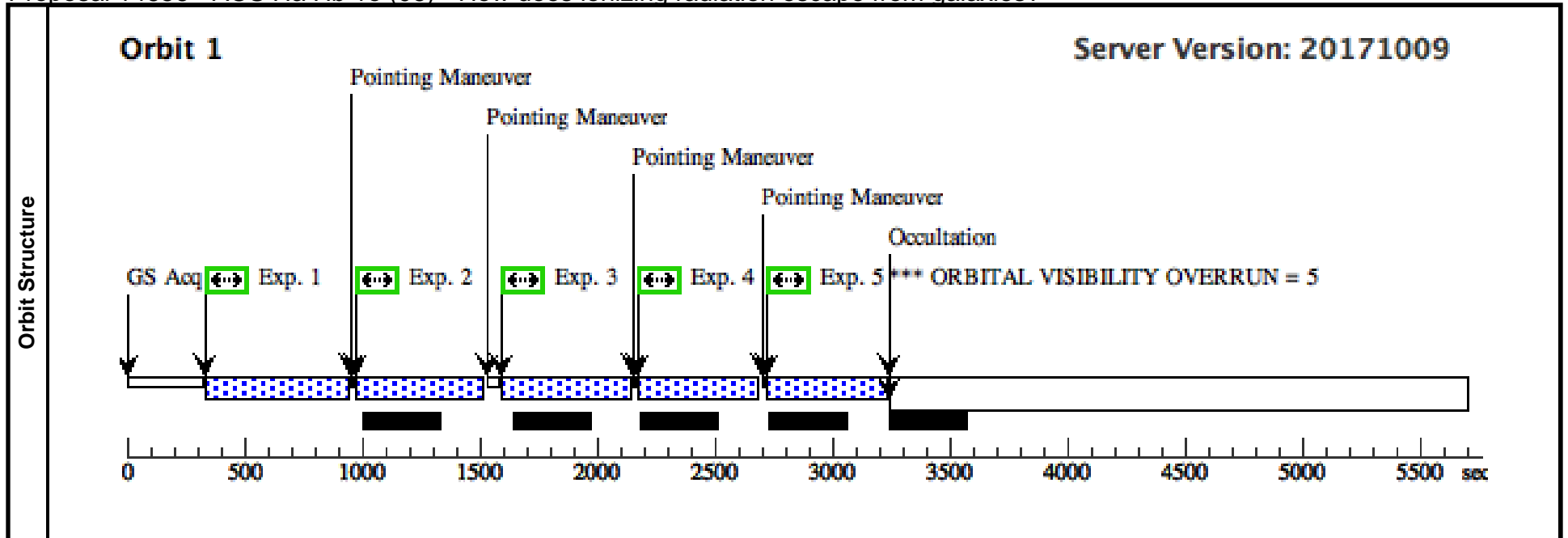
| Visit | Proposal 14656, Lya v2 1o (05), completed Diagnostic Status: Warning Scientific Instruments: ACS/SBC Special Requirements: (none) <i>Comments: SBC: We request that SBC NOT BE USED 24 HOURS before this visit in order to mitigate the effects of dark current.</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|-----------|-------------------------|---------------|--------------|------------------------|-----------------|---------------------------------|----------------------|---------------|--------------|---------------|--------|---------------------------------|-------|---|---------------------------|-----------|-------------------------|--------|--|------------------------|--|------------------------------|-----|---|---------------------------|-----------|-------------------------|--------|--|---------------|--|------------------------------|-----|---|---------------------------|-----------|-------------------------|--------|--|------------------------|--|------------------------------|-----|---|---------------------------|-----------|-------------------------|--------|--|---------------|--|------------------------------|-----|---|---------------------------|-----------|-------------------------|--------|--|------------------|--|------------------------------|-----|---|---------------------------|-----------|-------------------------|--------|--|---------------|--|------------------------------|
| | Diagnosics (Lya v2 1o (05)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fixed Targets | # Name Target Coordinates Targ. Coord. Corrections Fluxes Miscellaneous (1) J1152 RA: 11 52 4.8800 (178.0203333d) Dec: +34 00 49.88 (34.01386d) Equinox: J2000 V=20.28+/-0.05 FUV=20.66+/-0.30, NUV=20.38+/-0.17 Reference Frame: ICRS <i>Comments: Category=GALAXY Description=[DWARF COMPACT, STARBURST] Extended=YES</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <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>SBC165 7 (ACS.im.82 8243)</td> <td>(1) J1152</td> <td>ACS/SBC, ACCUM, SBC-FIX</td> <td>F165LP</td> <td></td> <td>POS TARG -2.916,3 .143</td> <td></td> <td>600 Secs (600 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>2</td> <td>SBC150 7 (ACS.im.82 8242)</td> <td>(1) J1152</td> <td>ACS/SBC, ACCUM, SBC-FIX</td> <td>F150LP</td> <td></td> <td>SAME POS AS 1</td> <td></td> <td>238 Secs (238 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>3</td> <td>SBC150 8 (ACS.im.82 8242)</td> <td>(1) J1152</td> <td>ACS/SBC, ACCUM, SBC-FIX</td> <td>F150LP</td> <td></td> <td>POS TARG -0.084,3 .082</td> <td></td> <td>238 Secs (238 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>4</td> <td>SBC165 8 (ACS.im.82 8243)</td> <td>(1) J1152</td> <td>ACS/SBC, ACCUM, SBC-FIX</td> <td>F165LP</td> <td></td> <td>SAME POS AS 3</td> <td></td> <td>600 Secs (600 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>5</td> <td>SBC165 9 (ACS.im.82 8243)</td> <td>(1) J1152</td> <td>ACS/SBC, ACCUM, SBC-FIX</td> <td>F165LP</td> <td></td> <td>POS TARG 3.0,3.0</td> <td></td> <td>600 Secs (600 Secs) [==>]</td> <td>[1]</td> </tr> <tr> <td>6</td> <td>SBC150 9 (ACS.im.82 8242)</td> <td>(1) J1152</td> <td>ACS/SBC, ACCUM, SBC-FIX</td> <td>F150LP</td> <td></td> <td>SAME POS AS 5</td> <td></td> <td>239 Secs (239 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 | SBC165 7 (ACS.im.82 8243) | (1) J1152 | ACS/SBC, ACCUM, SBC-FIX | F165LP | | POS TARG -2.916,3 .143 | | 600 Secs (600 Secs) [==>] | [1] | 2 | SBC150 7 (ACS.im.82 8242) | (1) J1152 | ACS/SBC, ACCUM, SBC-FIX | F150LP | | SAME POS AS 1 | | 238 Secs (238 Secs) [==>] | [1] | 3 | SBC150 8 (ACS.im.82 8242) | (1) J1152 | ACS/SBC, ACCUM, SBC-FIX | F150LP | | POS TARG -0.084,3 .082 | | 238 Secs (238 Secs) [==>] | [1] | 4 | SBC165 8 (ACS.im.82 8243) | (1) J1152 | ACS/SBC, ACCUM, SBC-FIX | F165LP | | SAME POS AS 3 | | 600 Secs (600 Secs) [==>] | [1] | 5 | SBC165 9 (ACS.im.82 8243) | (1) J1152 | ACS/SBC, ACCUM, SBC-FIX | F165LP | | POS TARG 3.0,3.0 | | 600 Secs (600 Secs) [==>] | [1] | 6 | SBC150 9 (ACS.im.82 8242) | (1) J1152 | ACS/SBC, ACCUM, SBC-FIX | F150LP | | SAME POS AS 5 | | 239 Secs (239 Secs) [==>] |
| # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | SBC165 7 (ACS.im.82 8243) | (1) J1152 | ACS/SBC, ACCUM, SBC-FIX | F165LP | | POS TARG -2.916,3 .143 | | 600 Secs (600 Secs) [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | SBC150 7 (ACS.im.82 8242) | (1) J1152 | ACS/SBC, ACCUM, SBC-FIX | F150LP | | SAME POS AS 1 | | 238 Secs (238 Secs) [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | SBC150 8 (ACS.im.82 8242) | (1) J1152 | ACS/SBC, ACCUM, SBC-FIX | F150LP | | POS TARG -0.084,3 .082 | | 238 Secs (238 Secs) [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | SBC165 8 (ACS.im.82 8243) | (1) J1152 | ACS/SBC, ACCUM, SBC-FIX | F165LP | | SAME POS AS 3 | | 600 Secs (600 Secs) [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | SBC165 9 (ACS.im.82 8243) | (1) J1152 | ACS/SBC, ACCUM, SBC-FIX | F165LP | | POS TARG 3.0,3.0 | | 600 Secs (600 Secs) [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | SBC150 9 (ACS.im.82 8242) | (1) J1152 | ACS/SBC, ACCUM, SBC-FIX | F150LP | | SAME POS AS 5 | | 239 Secs (239 Secs) [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



Proposal 14656 - ACS Ha Hb 1o (06) - How does ionizing radiation escape from galaxies?

Tue Jan 23 01:08:18 GMT 2018

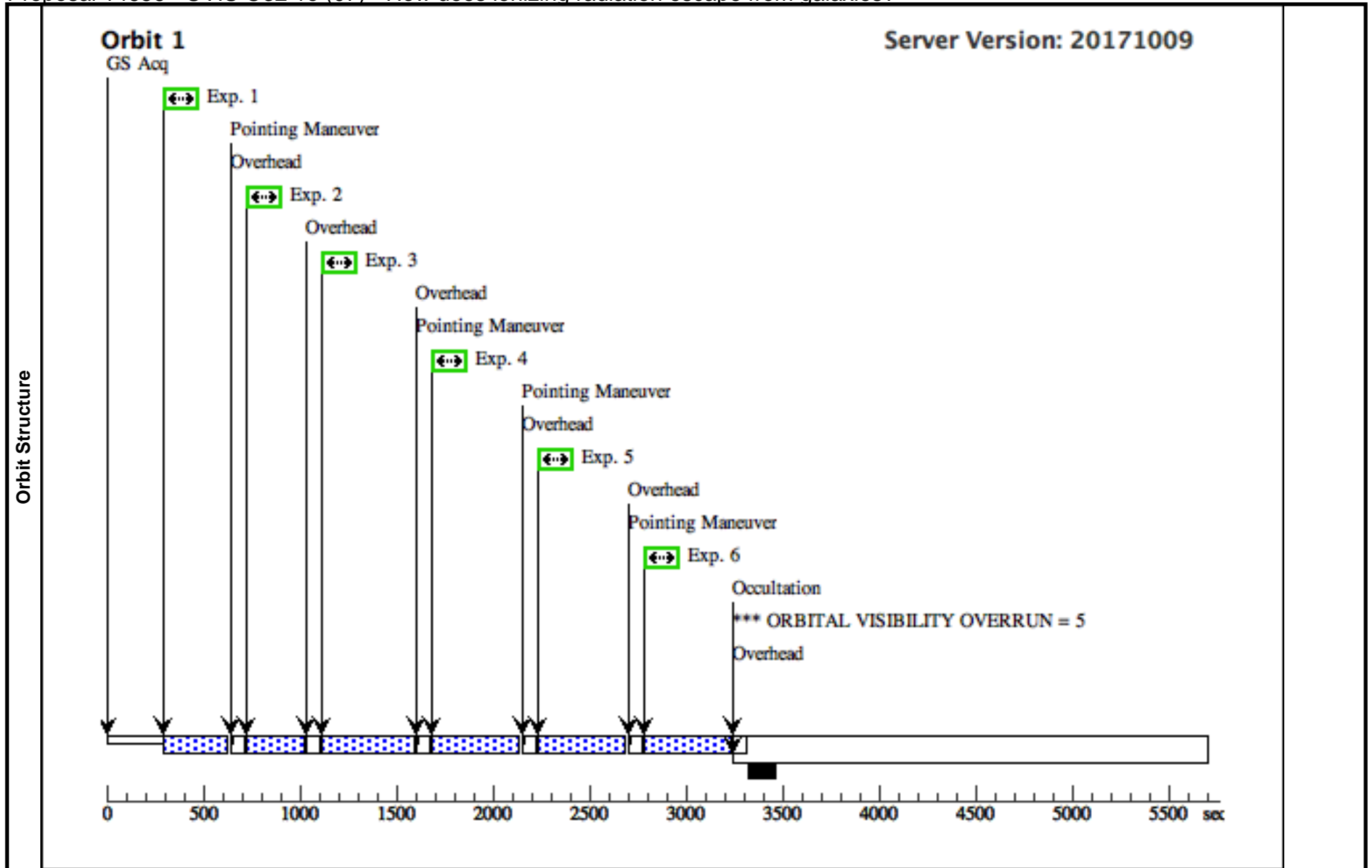
| Visit | Proposal 14656, ACS Ha Hb 1o (06), completed Diagnostic Status: Warning Scientific Instruments: ACS/WFC Special Requirements: (none) <i>Comments: ACS/WFC ramps</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|--|----------------------------|---|-----------------------|----------------------|--------|---------------------------------|-------|---|-----------------|--------|----------------------|--------------------------|--------------|---------------|--------|---------------------------------|--|---|---|-----------------------|----------------------------|------------------|----------|--|--|------------------------------|-----|---|-----------------------|-----------|----------------------------|------------------|----------|----------------------|--|------------------------------|-----|---|-----------------------|-----------|----------------------------|------------------|----------|----------------------|--|------------------------------|-----|---|-----------------------|-----------|----------------------------|------------------|----------|--|--|------------------------------|-----|---|-----------------------|-----------|----------------------------|------------------|----------|----------------------|--|------------------------------|-----|
| | Diagnosics (ACS Ha Hb 1o (06)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Ha 2 (06.002)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp filters as central wavelengths & transmission efficiencies vary within the apertures. (Hb 2 (06.003)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp filters as central wavelengths & transmission efficiencies vary within the apertures. (Hb 3 (06.005)) Warning (Form): POS TARG & PATTERN should be used carefully with ACS ramp filters as central wavelengths & transmission efficiencies vary within the apertures. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fixed Targets | <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>J1152</td> <td>RA: 11 52 4.8800 (178.0203333d) Dec: +34 00 49.88 (34.01386d) Equinox: J2000</td> <td></td> <td>V=20.28+/-0.05 FUV=20.66+/-0.30, NUV=20.38+/-0.17</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments:</i> Category=GALAXY Description=[DWARF COMPACT, STARBURST] Extended=YES</p> | | | | | | | | | | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (1) | J1152 | RA: 11 52 4.8800 (178.0203333d) Dec: +34 00 49.88 (34.01386d) Equinox: J2000 | | V=20.28+/-0.05 FUV=20.66+/-0.30, NUV=20.38+/-0.17 | Reference Frame: ICRS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (1) | J1152 | RA: 11 52 4.8800 (178.0203333d) Dec: +34 00 49.88 (34.01386d) Equinox: J2000 | | V=20.28+/-0.05 FUV=20.66+/-0.30, NUV=20.38+/-0.17 | Reference Frame: ICRS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 5 | Hb 3 (ACS.rf.828 197) | (1) J1152 | ACS/WFC, ACCUM, WFC1-MRAMP | FR656N 6525 A | FLASH=15 | POS TARG 0.115,0.125 | | 379 Secs (379 Secs) [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



Proposal 14656 - UVIS O32 1o (07) - How does ionizing radiation escape from galaxies?

Tue Jan 23 01:08:18 GMT 2018

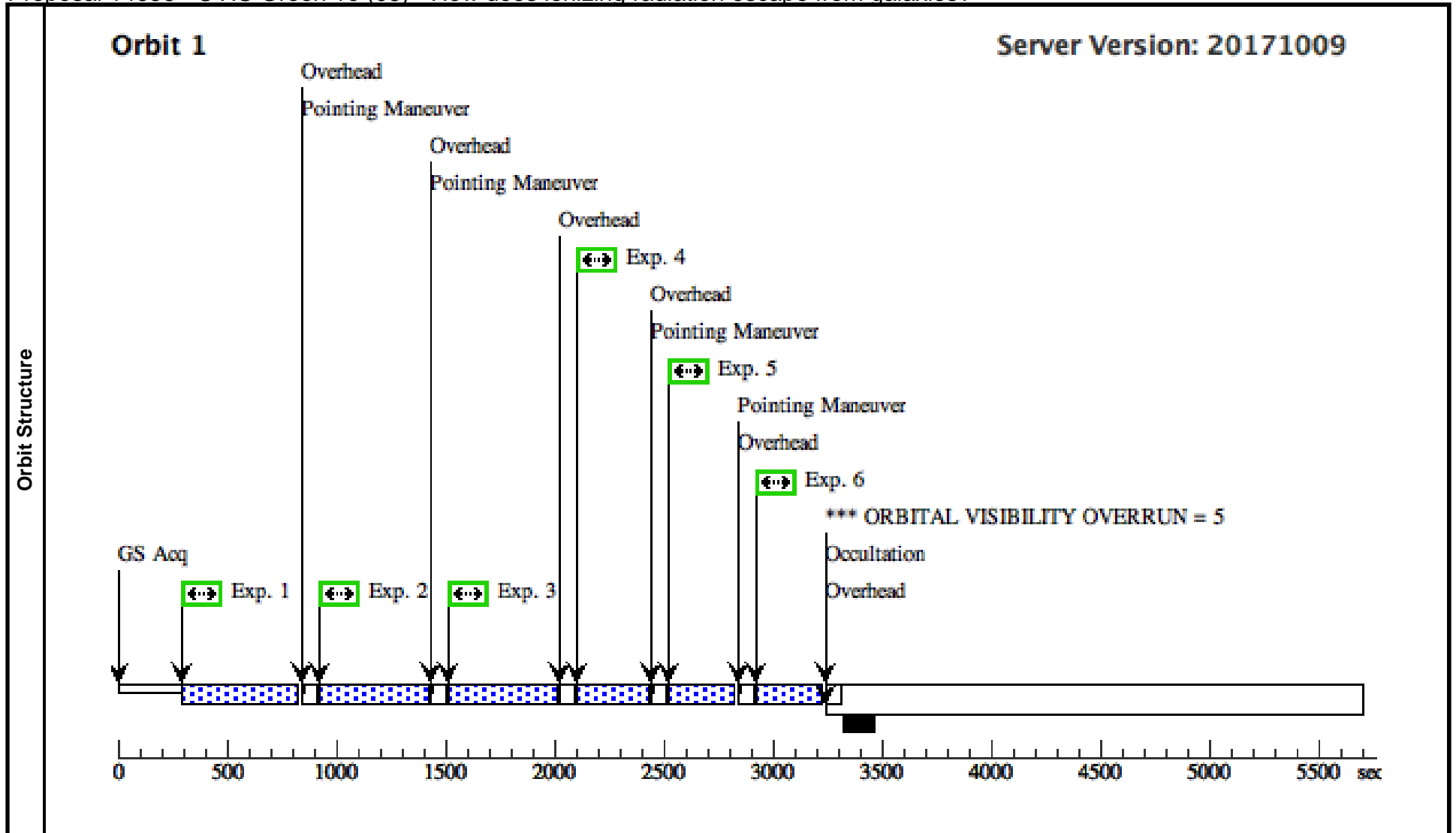
| Visit | Proposal 14656, UVIS O32 1o (07), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none) <i>Comments: WFC3/UVIS</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|--------------------------------------|---|-----------------------|-------------------------------|--------|---------------------------------|-------|---|-----------------|--------|----------------------|--------------------------|--------------|---------------|--------|---------------------------------|--|---|---|-----------------------|--------------------------------------|-------|----------|--|--|------------------------------|-----|---|--|-----------|--------------------------------------|-------|----------|----------------------------|--|------------------------------|-----|---|--|-----------|--------------------------------------|-------|----------|---------------|--|------------------------------|-----|---|--|-----------|--------------------------------------|-------|----------|---------------|--|------------------------------|-----|---|--|-----------|--------------------------------------|-------|----------|----------------------------|--|------------------------------|-----|---|--|-----------|--------------------------------------|-------|----------|-------------------------------|--|------------------------------|-----|
| | Diagnosics (UVIS O32 1o (07)) 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>(1)</td> <td>J1152</td> <td>RA: 11 52 4.8800 (178.0203333d) Dec: +34 00 49.88 (34.01386d) Equinox: J2000</td> <td></td> <td>V=20.28+/-0.05 FUV=20.66+/-0.30, NUV=20.38+/-0.17</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments:</i> Category=GALAXY Description=[DWARF COMPACT, STARBURST] Extended=YES</p> | | | | | | | | | | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (1) | J1152 | RA: 11 52 4.8800 (178.0203333d) Dec: +34 00 49.88 (34.01386d) Equinox: J2000 | | V=20.28+/-0.05 FUV=20.66+/-0.30, NUV=20.38+/-0.17 | Reference Frame: ICRS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | OIII 1 (WFC3UVI S.im.827055) | (1) J1152 | WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB | F673N | FLASH=10 | | | 300 Secs (300 Secs) [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | OIII 2 (WFC3UVI S.im.827055) | (1) J1152 | WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB | F673N | FLASH=10 | POS TARG 2.9568,2 .9568 | | 300 Secs (300 Secs) [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | O II 2 (WFC3UVI S.im.827041) | (1) J1152 | WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB | F502N | FLASH=10 | SAME POS AS 2 | | 455 Secs (455 Secs) [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | O II 1 (WFC3UVI S.im.827041) | (1) J1152 | WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB | F502N | FLASH=10 | SAME POS AS 1 | | 455 Secs (455 Secs) [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | O II 3 (WFC3UVI S.im.827041) | (1) J1152 | WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB | F502N | FLASH=10 | POS TARG 5.9136,5 .9136 | | 455 Secs (455 Secs) [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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Proposal 14656 - UVIS Green 1o (08) - How does ionizing radiation escape from galaxies?

Tue Jan 23 01:08:18 GMT 2018

| Visit | Proposal 14656, UVIS Green 1o (08), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none) <i>Comments: WFC3/UVIS</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|-----------|--------------------------------------|---------------|--------------|----------------------------|-----------------|---------------------------------|----------------------|---------------|--------------|---------------|--------|---------------------------------|-------|---|--|-----------|--------------------------------------|-------|---------|--|--|------------------------------|-----|---|--|-----------|--------------------------------------|-------|---------|----------------------------|--|------------------------------|-----|---|--|-----------|--------------------------------------|-------|---------|----------------------------|--|------------------------------|-----|---|--|-----------|--------------------------------------|-------|---------|---------------|--|------------------------------|-----|---|--|-----------|--------------------------------------|-------|---------|---------------|--|------------------------------|-----|---|--|-----------|--------------------------------------|-------|---------|---------------|--|------------------------------|
| | Diagnosics (UVIS Green 1o (08)) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fixed Targets | # Name Target Coordinates Targ. Coord. Corrections Fluxes Miscellaneous (1) J1152 RA: 11 52 4.8800 (178.0203333d) Dec: +34 00 49.88 (34.01386d) Equinox: J2000 V=20.28+/-0.05 FUV=20.66+/-0.30, NUV=20.38+/-0.17 Reference Frame: ICRS <i>Comments:</i> <i>Category=GALAXY</i> <i>Description=[DWARF COMPACT, STARBURST]</i> <i>Extended=YES</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| # | Label (ETC Run) | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 467M 1 (WFC3UVI S.im.827570) | (1) J1152 | WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB | F467M | FLASH=9 | | | 500 Secs (500 Secs) [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 467M 2 (WFC3UVI S.im.827570) | (1) J1152 | WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB | F467M | FLASH=9 | POS TARG 2.9568,2 .9568 | | 500 Secs (500 Secs) [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 467M 3 (WFC3UVI S.im.827570) | (1) J1152 | WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB | F467M | FLASH=9 | POS TARG 5.9136,5 .9136 | | 500 Secs (500 Secs) [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 547M 3 (WFC3UVI S.im.828228) | (1) J1152 | WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB | F547M | FLASH=8 | SAME POS AS 3 | | 306 Secs (306 Secs) [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 547M 2 (WFC3UVI S.im.828228) | (1) J1152 | WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB | F547M | FLASH=8 | SAME POS AS 2 | | 306 Secs (306 Secs) [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 547M 1 (WFC3UVI S.im.828228) | (1) J1152 | WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB | F547M | FLASH=8 | SAME POS AS 1 | | 306 Secs (306 Secs) [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



Proposal 14656 - UVIS Red 1o (09) - How does ionizing radiation escape from galaxies?

Tue Jan 23 01:08:18 GMT 2018

| Visit | Proposal 14656, UVIS Red 1o (09), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none) <i>Comments: WFC3/UVIS</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|--------------------------------------|---|-----------------------|-------------------------------|--------|---------------------------------|-------|---|-----------------|--------|----------------------|--------------------------|--------------|---------------|--------|---------------------------------|--|---|---|-----------------------|--------------------------------------|-------|---------|--|--|------------------------------|-----|---|--|-----------|--------------------------------------|-------|---------|----------------------------|--|------------------------------|-----|---|---|-----------|--------------------------------------|--------|---------|---------------|--|------------------------------|-----|---|---|-----------|--------------------------------------|--------|---------|---------------|--|------------------------------|-----|---|---|-----------|--------------------------------------|--------|---------|----------------------------|--|------------------------------|-----|---|---|-----------|--------------------------------------|--------|---------|-------------------------------|--|------------------------------|-----|
| | Diagnosics (UVIS Red 1o (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>(1)</td> <td>J1152</td> <td>RA: 11 52 4.8800 (178.0203333d) Dec: +34 00 49.88 (34.01386d) Equinox: J2000</td> <td></td> <td>V=20.28+/-0.05 FUV=20.66+/-0.30, NUV=20.38+/-0.17</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table> <p><i>Comments:</i> Category=GALAXY Description=[DWARF COMPACT, STARBURST] Extended=YES</p> | | | | | | | | | | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | (1) | J1152 | RA: 11 52 4.8800 (178.0203333d) Dec: +34 00 49.88 (34.01386d) Equinox: J2000 | | V=20.28+/-0.05 FUV=20.66+/-0.30, NUV=20.38+/-0.17 | Reference Frame: ICRS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 2 | 775W 2 (WFC3UVI S.im.827000) | (1) J1152 | WFC3/UVIS, ACCUM, UVIS2-C1K1C-SUB | F775W | FLASH=7 | POS TARG 2.9568,2 .9568 | | 413 Secs (413 Secs) [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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