



12345 - UVIS Long Darks Test

Cycle: 18, Proposal Category: CAL/WFC3

(Availability Mode: RESTRICTED)

INVESTIGATORS

| <i>Name</i> | <i>Institution</i> | <i>E-Mail</i> |
|--------------------------------|--|------------------------|
| Dr. Larry D. Petro (PI) | Space Telescope Science Institute | petro@stsci.edu |
| Dr. Sylvia M. Baggett (CoI) | Space Telescope Science Institute | sbaggett@stsci.edu |
| Ms. Tiffany Borders (CoI) | Space Telescope Science Institute | borders@stsci.edu |

VISITS

| <i>Visit</i> | <i>Targets used in Visit</i> | <i>Configurations used in Visit</i> | <i>Orbits Used</i> | <i>Last Orbit Planner Run</i> | <i>OP Current with Visit?</i> |
|--------------|------------------------------|-------------------------------------|--------------------|-------------------------------|-------------------------------|
| 0A | BIAS DARK | WFC3/UVIS | 1 | 10-Sep-2010 21:22:02.0 | yes |
| 0K | BIAS DARK | WFC3/UVIS | 1 | 10-Sep-2010 21:22:05.0 | yes |
| 0Q | BIAS DARK | WFC3/UVIS | 1 | 10-Sep-2010 21:22:07.0 | yes |
| 0J | BIAS DARK | WFC3/UVIS | 1 | 10-Sep-2010 21:22:09.0 | yes |
| 10 | BIAS DARK | WFC3/UVIS | 1 | 10-Sep-2010 21:22:11.0 | yes |
| 09 | BIAS DARK | WFC3/UVIS | 1 | 10-Sep-2010 21:22:14.0 | yes |
| 08 | BIAS DARK | WFC3/UVIS | 1 | 10-Sep-2010 21:22:16.0 | yes |

Proposal 12345 (STScI Edit Number: 0, Created: Friday, September 10, 2010 8:22:43 PM EST) - Overview

| <i>Visit</i> | <i>Targets used in Visit</i> | <i>Configurations used in Visit</i> | <i>Orbits Used</i> | <i>Last Orbit Planner Run</i> | <i>OP Current with Visit?</i> |
|--------------|------------------------------|-------------------------------------|--------------------|-------------------------------|-------------------------------|
| 07 | BIAS DARK | WFC3/UVIS | 1 | 10-Sep-2010 21:22:18.0 | yes |
| 06 | BIAS DARK | WFC3/UVIS | 1 | 10-Sep-2010 21:22:20.0 | yes |
| 05 | BIAS DARK | WFC3/UVIS | 1 | 10-Sep-2010 21:22:22.0 | yes |
| 04 | BIAS DARK | WFC3/UVIS | 1 | 10-Sep-2010 21:22:24.0 | yes |
| 03 | BIAS DARK | WFC3/UVIS | 1 | 10-Sep-2010 21:22:26.0 | yes |
| 02 | BIAS DARK | WFC3/UVIS | 1 | 10-Sep-2010 21:22:28.0 | yes |
| 90 | BIAS DARK | WFC3/UVIS | 1 | 10-Sep-2010 21:22:30.0 | yes |
| 91 | BIAS DARK | WFC3/UVIS | 1 | 10-Sep-2010 21:22:31.0 | yes |
| 92 | BIAS DARK | WFC3/UVIS | 1 | 10-Sep-2010 21:22:33.0 | yes |
| 93 | BIAS DARK | WFC3/UVIS | 1 | 10-Sep-2010 21:22:35.0 | yes |
| 94 | BIAS DARK | WFC3/UVIS | 1 | 10-Sep-2010 21:22:37.0 | yes |
| 95 | BIAS DARK | WFC3/UVIS | 1 | 10-Sep-2010 21:22:39.0 | yes |
| 96 | BIAS DARK | WFC3/UVIS | 1 | 10-Sep-2010 21:22:41.0 | yes |

20 Total Orbits Used

ABSTRACT

Darks during SMOV showed a systematically lower global dark rate as well as lower scatter when compared to the Cycle 17 darks. Those two sets of exposures differ in exposure time - 1800 sec during SMOV and 900 sec during Cycle 17. Hypothetically, the effect could be caused by short-

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duration stray light, say ~500-sec in duration. During the latter part of Cycle 17, operation of WFC3 was changed to additionally block the light path to the detector with the CSM. This program acquires a small number of darks at the longer SMOV exposure times (1800 sec) in order to check whether the effect repeats in the new operating mode.

OBSERVING DESCRIPTION

One 1800-sec dark and two bias exposures are taken in each of twenty visits. The visits can be executed at any time, including during V1 Earth occultation, with any spacing, but should be executed within a 90-day interval.

CALIBRATION JUSTIFICATION

This will test whether the CSM operation for UVIS dark exposures is successful for long dark exposures and will verify that the dark rate for uncontaminated exposures is the same as during SMOV, allowing for a small increase from on-orbit radiation damage.

ADDITIONAL COMMENTS

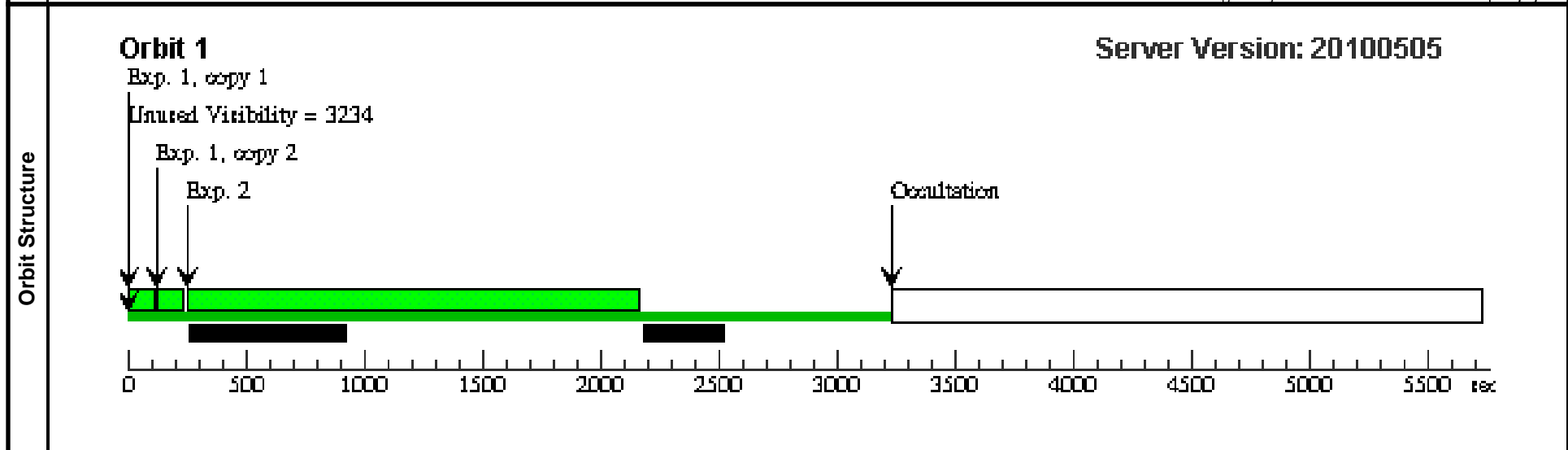
A historical note - this HST proposal ID is the first straight. Let's hope for a second, someday.

Proposal 12345 - Visit 0A - UVIS Long Darks Test

Sat Sep 11 01:22:44 GMT 2010

| | |
|--------------|--|
| Visit | Proposal 12345, Visit 0A Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: GROUP 0A,0K,0Q,0J,10,09,08,07,06,05,04,03,02,90,91,92,93,94,95,96 WITHIN 90D |
| | (Visit 0A) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU |

| Exposures | <table border="1"> <thead> <tr> <th>#</th> <th>Label</th> <th>Target</th> <th>Config,Mode,Aperture</th> <th>Spectral Els.</th> <th>Opt. Params.</th> <th>Special Reqs.</th> <th>Groups</th> <th>Exp. Time/[Actual Dur.]</th> <th>Orbit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Bias</td> <td>BIAS</td> <td>WFC3/UVIS, ACCUM, UVIS</td> <td>DEF</td> <td></td> <td></td> <td></td> <td>0 Secs X 2 [==>(Copy 1)] [==>(Copy 2)]</td> <td>[1]</td> </tr> <tr> <td>2</td> <td>Dark</td> <td>DARK</td> <td>WFC3/UVIS, ACCUM, UVIS</td> <td>DEF</td> <td></td> <td></td> <td></td> <td>1800 Secs [==>]</td> <td>[1]</td> </tr> </tbody> </table> | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time/[Actual Dur.] | Orbit | 1 | Bias | BIAS | WFC3/UVIS, ACCUM, UVIS | DEF | | | | 0 Secs X 2 [==>(Copy 1)] [==>(Copy 2)] | [1] | 2 | Dark | DARK | WFC3/UVIS, ACCUM, UVIS | DEF | | | | 1800 Secs [==>] | [1] |
|------------------|--|-------|------------------------|----------------------|----------------------|---------------|---------------|--|-------------------------|-------------------------|-------|---|------|------|------------------------|-----|--|--|--|--|-----|---|------|------|------------------------|-----|--|--|--|--------------------|-----|
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| 2 | Dark | DARK | WFC3/UVIS, ACCUM, UVIS | DEF | | | | 1800 Secs [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | |



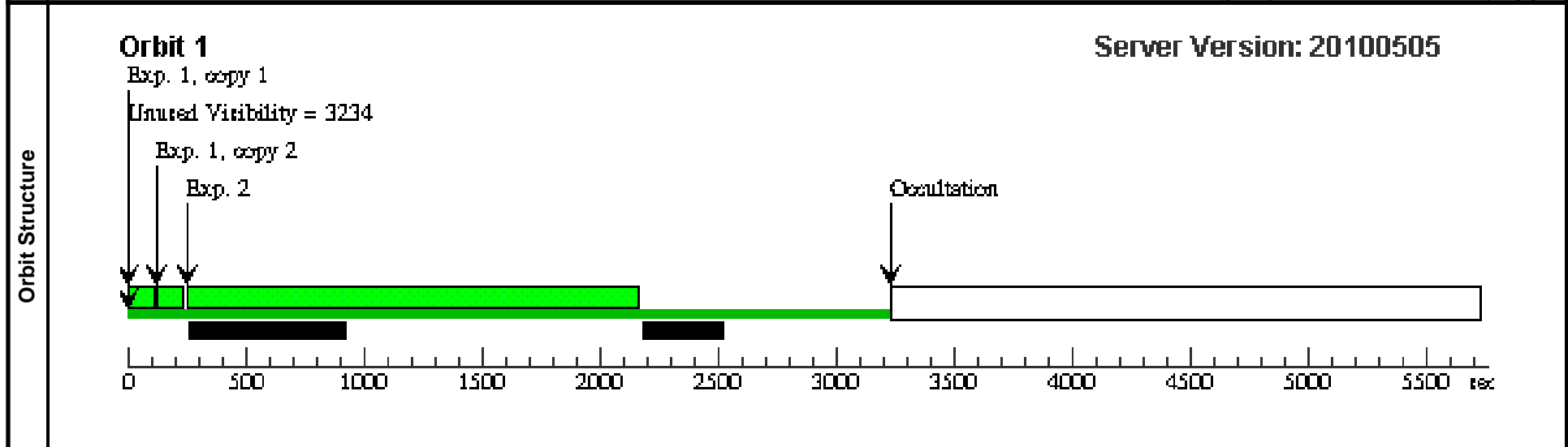
Proposal 12345 - Visit 0K - UVIS Long Darks Test

Sat Sep 11 01:22:45 GMT 2010

| | | | | | | | | | | |
|--------------|-----------------------------------|--|--|--|--|--|--|--|--|--|
| Visit | Proposal 12345, Visit 0K | | | | | | | | | |
| | Diagnostic Status: Warning | | | | | | | | | |
| | Scientific Instruments: WFC3/UVIS | | | | | | | | | |
| | Special Requirements: (none) | | | | | | | | | |

| | | | | | | | | | | |
|--------------------|--|--|--|--|--|--|--|--|--|--|
| Diagnostics | (Visit 0K) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU | | | | | | | | | |
|--------------------|--|--|--|--|--|--|--|--|--|--|

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|------------------|------|-------|------------------------|------------------------|---------------|--------------|---------------|--------|-------------------------|--|
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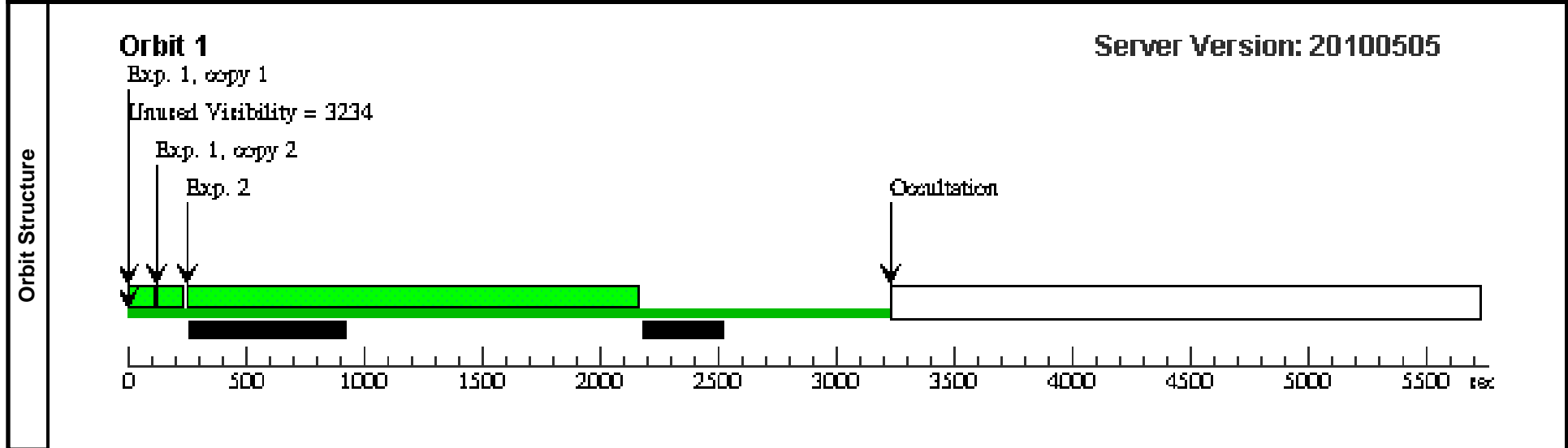
Proposal 12345 - Visit 0Q - UVIS Long Darks Test

Sat Sep 11 01:22:45 GMT 2010

| Visit | Proposal 12345, Visit 0Q Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | [==>(Copy 1)] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | [==>(Copy 2)] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 1 | Bias | BIAS | WFC3/UVIS, ACCUM, UVIS | DEF | | | | 0 Secs X 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | [==>(Copy 1)] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | [==>(Copy 2)] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Dark | DARK | WFC3/UVIS, ACCUM, UVIS | DEF | | | | 1800 Secs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time/[Actual Dur.] | Orbit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Bias | BIAS | WFC3/UVIS, ACCUM, UVIS | DEF | | | | 0 Secs X 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | [==>(Copy 1)] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | [==>(Copy 2)] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Dark | DARK | WFC3/UVIS, ACCUM, UVIS | DEF | | | | 1800 Secs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Exposures | <table border="1"> <thead> <tr> <th>#</th> <th>Label</th> <th>Target</th> <th>Config,Mode,Aperture</th> <th>Spectral Els.</th> <th>Opt. Params.</th> <th>Special Reqs.</th> <th>Groups</th> <th>Exp. Time/[Actual Dur.]</th> <th>Orbit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Bias</td> <td>BIAS</td> <td>WFC3/UVIS, ACCUM, UVIS</td> <td>DEF</td> <td></td> <td></td> <td></td> <td>0 Secs X 2</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>[==>(Copy 1)]</td> <td>[1]</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>[==>(Copy 2)]</td> <td>[1]</td> </tr> <tr> <td>2</td> <td>Dark</td> <td>DARK</td> <td>WFC3/UVIS, ACCUM, UVIS</td> <td>DEF</td> <td></td> <td></td> <td></td> <td>1800 Secs</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>[==>]</td> <td>[1]</td> </tr> </tbody> </table> | | | | | | | | | | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time/[Actual Dur.] | Orbit | 1 | Bias | BIAS | WFC3/UVIS, ACCUM, UVIS | DEF | | | | 0 Secs X 2 | | | | | | | | | | [==>(Copy 1)] | [1] | | | | | | | | | [==>(Copy 2)] | [1] | 2 | Dark | DARK | WFC3/UVIS, ACCUM, UVIS | DEF | | | | 1800 Secs | | | | | | | | | | [==>] | [1] |
|---|---|--------|------------------------|------------------------|---------------|---------------|---------------|-------------------------|-------------------------|-------|-------|--------|----------------------|----------------------|---------------|---------------|---------------|-------------------------|-------------------------|-------|------|------|------------------------|------------------------|-----|--|--|------------|------------|--|--|--|--|--|--|--|--|---------------|---------------|-----|--|--|--|--|--|--|--|---------------|---------------|-----|------|------|------------------------|------------------------|-----|--|--|-----------|-----------|--|--|--|--|--|--|--|--|-------|-------|-----|
| | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time/[Actual Dur.] | Orbit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | Bias | BIAS | WFC3/UVIS, ACCUM, UVIS | DEF | | | | 0 Secs X 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | [==>(Copy 1)] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | [==>(Copy 2)] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Dark | DARK | WFC3/UVIS, ACCUM, UVIS | DEF | | | | 1800 Secs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time/[Actual Dur.] | Orbit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Bias | BIAS | WFC3/UVIS, ACCUM, UVIS | DEF | | | | 0 Secs X 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | [==>(Copy 1)] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | [==>(Copy 2)] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Dark | DARK | WFC3/UVIS, ACCUM, UVIS | DEF | | | | 1800 Secs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time/[Actual Dur.] | Orbit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Bias | BIAS | WFC3/UVIS, ACCUM, UVIS | DEF | | | | 0 Secs X 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | [==>(Copy 1)] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | [==>(Copy 2)] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Dark | DARK | WFC3/UVIS, ACCUM, UVIS | DEF | | | | 1800 Secs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time/[Actual Dur.] | Orbit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Bias | BIAS | WFC3/UVIS, ACCUM, UVIS | DEF | | | | 0 Secs X 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | [==>(Copy 1)] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | [==>(Copy 2)] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Dark | DARK | WFC3/UVIS, ACCUM, UVIS | DEF | | | | 1800 Secs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | [==>] | [1] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



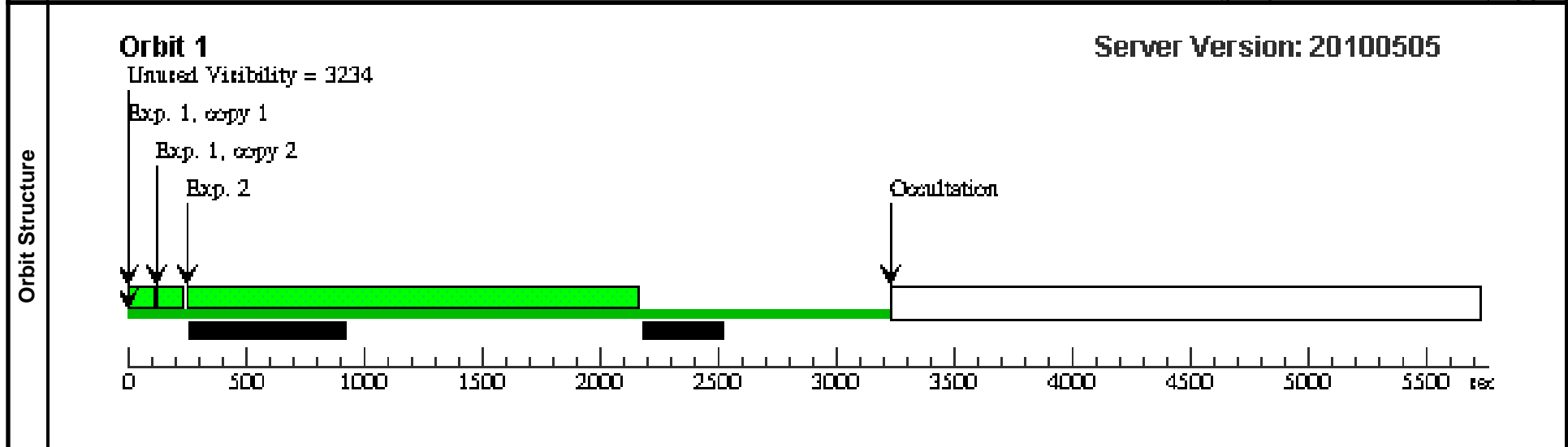
Proposal 12345 - Visit 0J - UVIS Long Darks Test

Sat Sep 11 01:22:45 GMT 2010

| | | | | | | | | | | |
|--------------|-----------------------------------|--|--|--|--|--|--|--|--|--|
| Visit | Proposal 12345, Visit 0J | | | | | | | | | |
| | Diagnostic Status: Warning | | | | | | | | | |
| | Scientific Instruments: WFC3/UVIS | | | | | | | | | |
| | Special Requirements: (none) | | | | | | | | | |

| | | | | | | | | | | |
|--------------------|--|--|--|--|--|--|--|--|--|--|
| Diagnostics | (Visit 0J) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU | | | | | | | | | |
|--------------------|--|--|--|--|--|--|--|--|--|--|

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time/[Actual Dur.] | Orbit |
|------------------|------|-------|------------------------|------------------------|---------------|--------------|---------------|--------|-------------------------|--|
| | 1 | Bias | BIAS | WFC3/UVIS, ACCUM, UVIS | DEF | | | | | 0 Secs X 2 [==>(Copy 1)] [==>(Copy 2)] |
| 2 | Dark | DARK | WFC3/UVIS, ACCUM, UVIS | DEF | | | | | 1800 Secs [==>] | [1] |



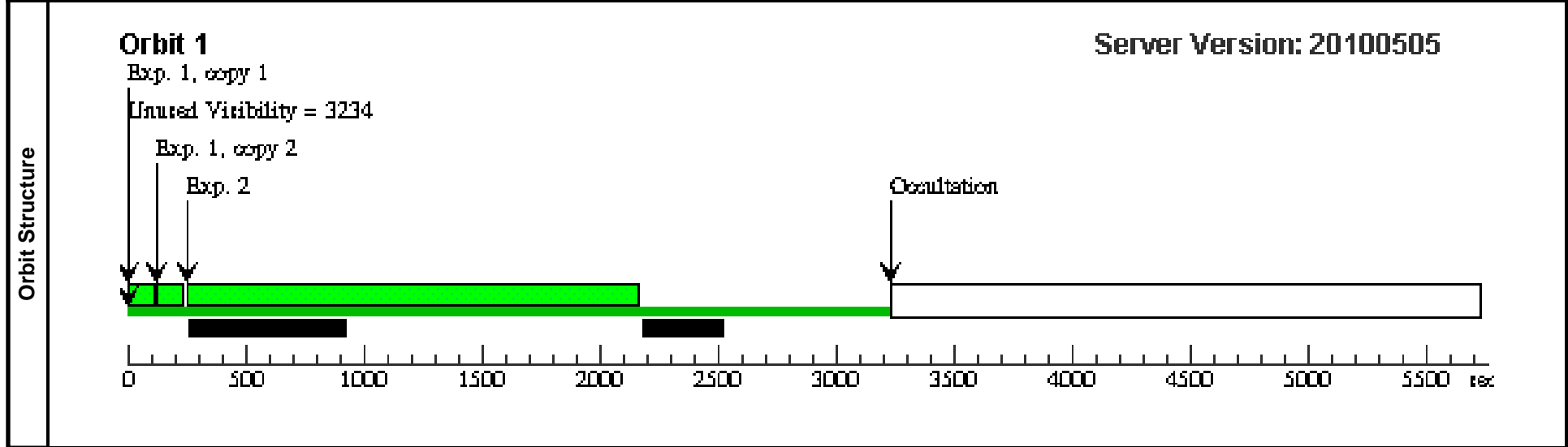
Proposal 12345 - Visit 10 - UVIS Long Darks Test

Sat Sep 11 01:22:45 GMT 2010

| | | | | | | | | | | |
|--------------|-----------------------------------|--|--|--|--|--|--|--|--|--|
| Visit | Proposal 12345, Visit 10 | | | | | | | | | |
| | Diagnostic Status: Warning | | | | | | | | | |
| | Scientific Instruments: WFC3/UVIS | | | | | | | | | |
| | Special Requirements: (none) | | | | | | | | | |

| | | | | | | | | | | |
|--------------------|--|--|--|--|--|--|--|--|--|--|
| Diagnostics | (Visit 10) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU | | | | | | | | | |
|--------------------|--|--|--|--|--|--|--|--|--|--|

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time/[Actual Dur.] | Orbit |
|------------------|------|-------|------------------------|------------------------|---------------|--------------|---------------|--------|-------------------------|--|
| | 1 | Bias | BIAS | WFC3/UVIS, ACCUM, UVIS | DEF | | | | | 0 Secs X 2 [==>(Copy 1)] [==>(Copy 2)] |
| 2 | Dark | DARK | WFC3/UVIS, ACCUM, UVIS | DEF | | | | | 1800 Secs [==>] | [1] |



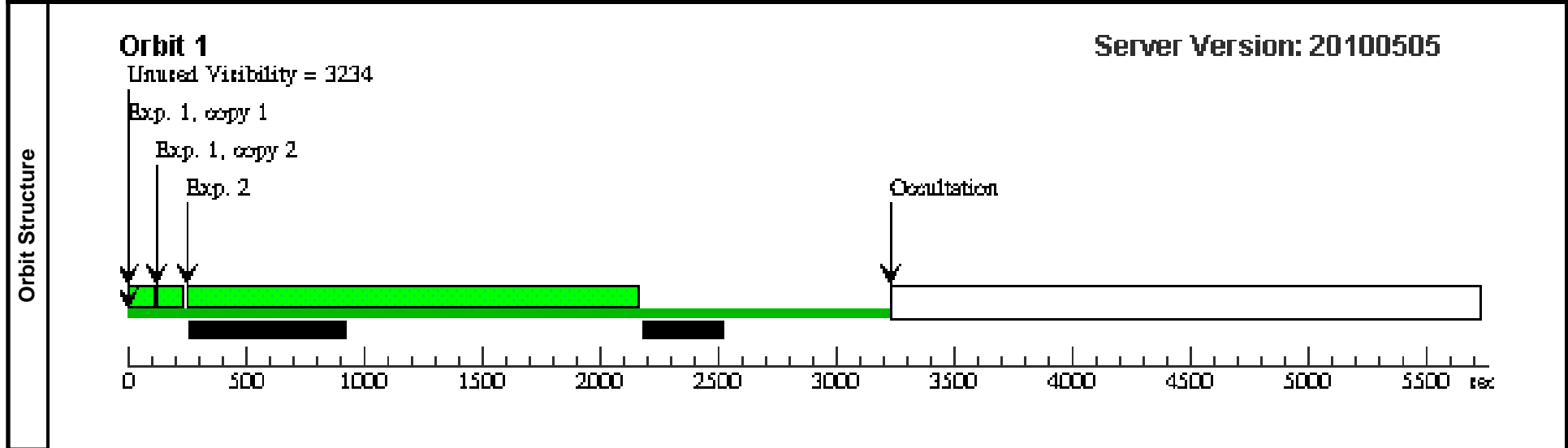
Proposal 12345 - Visit 09 - UVIS Long Darks Test

Sat Sep 11 01:22:46 GMT 2010

| | | | | | | | | | | |
|--------------|-----------------------------------|--|--|--|--|--|--|--|--|--|
| Visit | Proposal 12345, Visit 09 | | | | | | | | | |
| | Diagnostic Status: Warning | | | | | | | | | |
| | Scientific Instruments: WFC3/UVIS | | | | | | | | | |
| | Special Requirements: (none) | | | | | | | | | |

| | | | | | | | | | | |
|--------------------|--|--|--|--|--|--|--|--|--|--|
| Diagnostics | (Visit 09) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU | | | | | | | | | |
|--------------------|--|--|--|--|--|--|--|--|--|--|

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time/[Actual Dur.] | Orbit |
|------------------|------|-------|------------------------|------------------------|---------------|--------------|---------------|--------|-------------------------|--|
| | 1 | Bias | BIAS | WFC3/UVIS, ACCUM, UVIS | DEF | | | | | 0 Secs X 2 [==>(Copy 1)] [==>(Copy 2)] |
| 2 | Dark | DARK | WFC3/UVIS, ACCUM, UVIS | DEF | | | | | 1800 Secs [==>] | [1] |



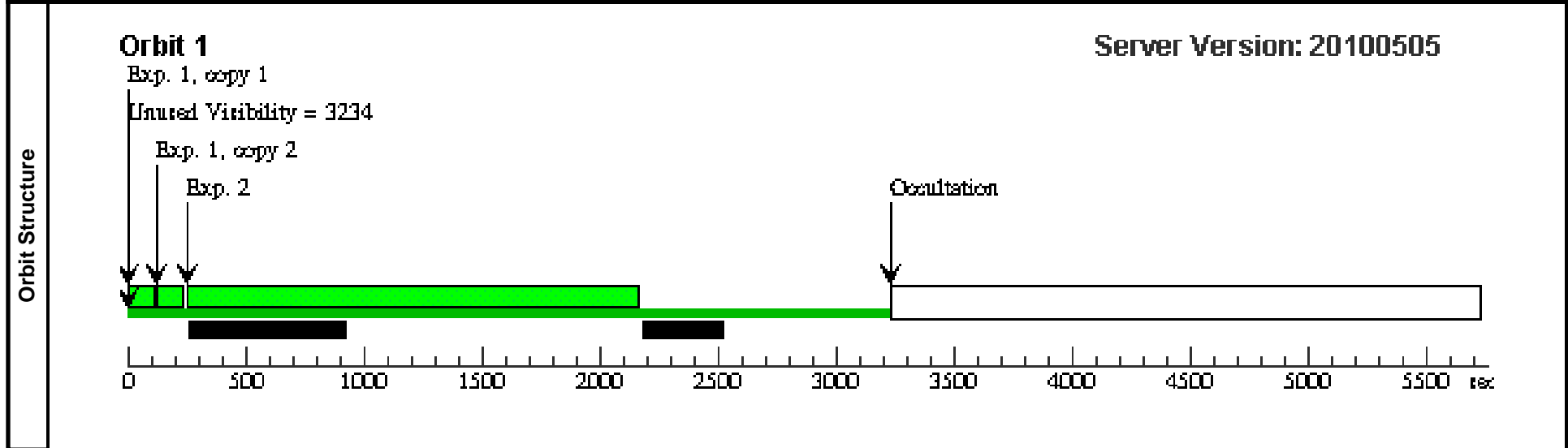
Proposal 12345 - Visit 08 - UVIS Long Darks Test

Sat Sep 11 01:22:46 GMT 2010

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| Visit | Proposal 12345, Visit 08 | | | | | | | | | |
| | Diagnostic Status: Warning | | | | | | | | | |
| | Scientific Instruments: WFC3/UVIS | | | | | | | | | |
| | Special Requirements: (none) | | | | | | | | | |

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| Diagnostics | (Visit 08) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU | | | | | | | | | |
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| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time/[Actual Dur.] | Orbit |
|------------------|------|-------|------------------------|------------------------|---------------|--------------|---------------|--------|-------------------------|--|
| | 1 | Bias | BIAS | WFC3/UVIS, ACCUM, UVIS | DEF | | | | | 0 Secs X 2 [==>(Copy 1)] [==>(Copy 2)] |
| 2 | Dark | DARK | WFC3/UVIS, ACCUM, UVIS | DEF | | | | | 1800 Secs [==>] | [1] |



| | | | | | | | | | | |
|------------------------|--|--------------|------------------------|-----------------------------|----------------------|---------------------|----------------------|---------------|--------------------------------|--------------|
| Visit | Proposal 12345, Visit 07 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none) | | | | | | | | | |
| | (Visit 07) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU | | | | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time/[Actual Dur.] | Orbit |
| | 1 | Bias | BIAS | WFC3/UVIS, ACCUM, UVIS | DEF | | | | 0 Secs X 2 | |
| | | | | | | | | | [==>(Copy 1)] | [1] |
| | | | | | | | | | [==>(Copy 2)] | |
| 2 | Dark | DARK | WFC3/UVIS, ACCUM, UVIS | DEF | | | | 1800 Secs | | |
| | | | | | | | | [==>] | [1] | |
| Orbit Structure | <p>Orbit 1 Unused Visibility = 3234</p> <p style="text-align: right;">Server Version: 20100505</p> | | | | | | | | | |
| | (Detailed description of the Orbit Structure diagram: The diagram shows a horizontal timeline from 0 to 5500 seconds. A green bar indicates the observation period, starting at 0 and ending at approximately 2200 seconds. Three vertical arrows point to specific exposure events: 'Exp. 1, copy 1' at ~100s, 'Exp. 1, copy 2' at ~200s, and 'Exp. 2' at ~300s. A white bar indicates the occultation period, starting at approximately 3200 seconds and ending at 5500 seconds. A vertical arrow points to the start of the occultation at ~3200s. The x-axis is labeled 'sec' and has major ticks every 500 units from 0 to 5500. The text 'Unused Visibility = 3234' is located at the top left, and 'Server Version: 20100505' is at the top right.) | | | | | | | | | |

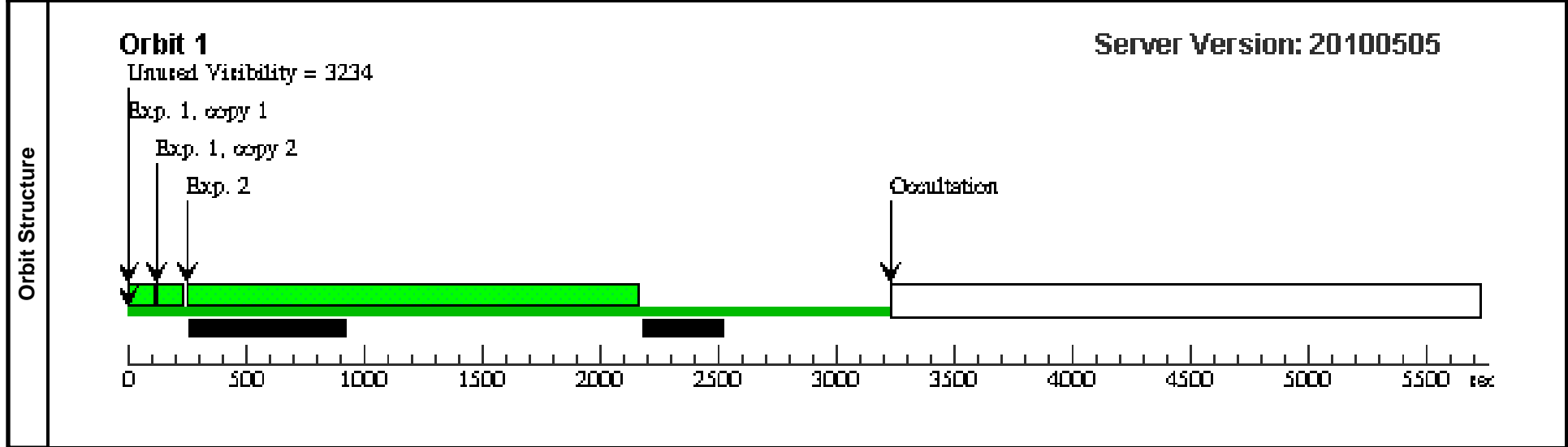
Proposal 12345 - Visit 06 - UVIS Long Darks Test

Sat Sep 11 01:22:47 GMT 2010

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| Visit | Proposal 12345, Visit 06 | | | | | | | | | |
| | Diagnostic Status: Warning | | | | | | | | | |
| | Scientific Instruments: WFC3/UVIS | | | | | | | | | |
| | Special Requirements: (none) | | | | | | | | | |

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| Diagnostics | (Visit 06) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU | | | | | | | | | |
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| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time/[Actual Dur.] | Orbit |
|------------------|------|-------|------------------------|------------------------|---------------|--------------|---------------|--------|-------------------------|--|
| | 1 | Bias | BIAS | WFC3/UVIS, ACCUM, UVIS | DEF | | | | | 0 Secs X 2 [==>(Copy 1)] [==>(Copy 2)] |
| 2 | Dark | DARK | WFC3/UVIS, ACCUM, UVIS | DEF | | | | | 1800 Secs [==>] | [1] |



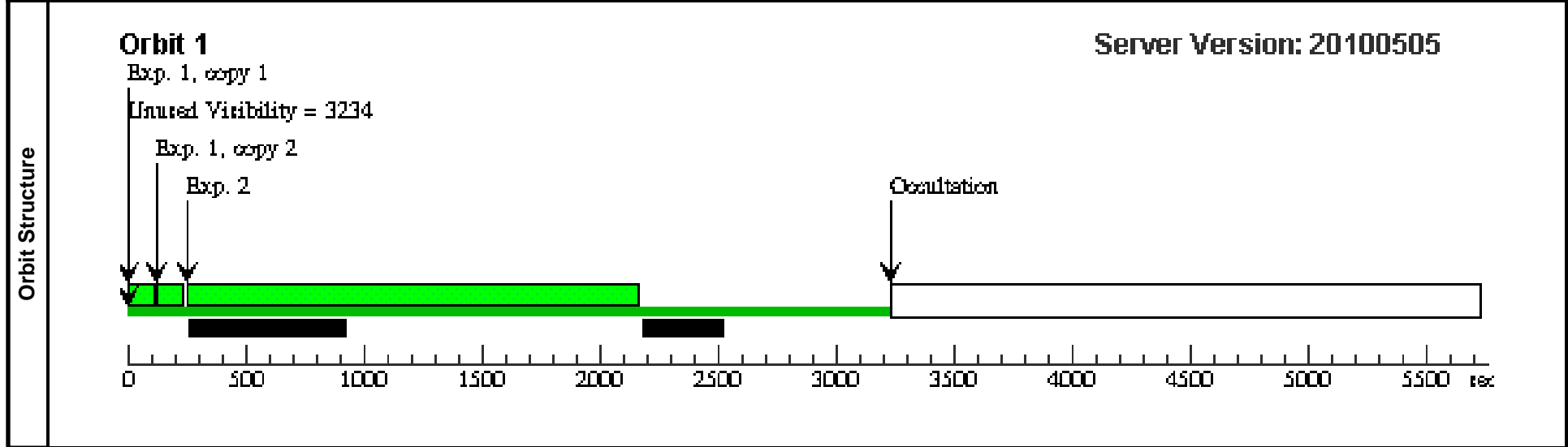
Proposal 12345 - Visit 05 - UVIS Long Darks Test

Sat Sep 11 01:22:47 GMT 2010

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| Visit | Proposal 12345, Visit 05 | | | | | | | | | |
| | Diagnostic Status: Warning | | | | | | | | | |
| | Scientific Instruments: WFC3/UVIS | | | | | | | | | |
| | Special Requirements: (none) | | | | | | | | | |

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| Diagnostics | (Visit 05) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU | | | | | | | | | |
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| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time/[Actual Dur.] | Orbit |
|------------------|------|-------|------------------------|------------------------|---------------|--------------|---------------|--------|-------------------------|--|
| | 1 | Bias | BIAS | WFC3/UVIS, ACCUM, UVIS | DEF | | | | | 0 Secs X 2 [==>(Copy 1)] [==>(Copy 2)] |
| 2 | Dark | DARK | WFC3/UVIS, ACCUM, UVIS | DEF | | | | | 1800 Secs [==>] | [1] |



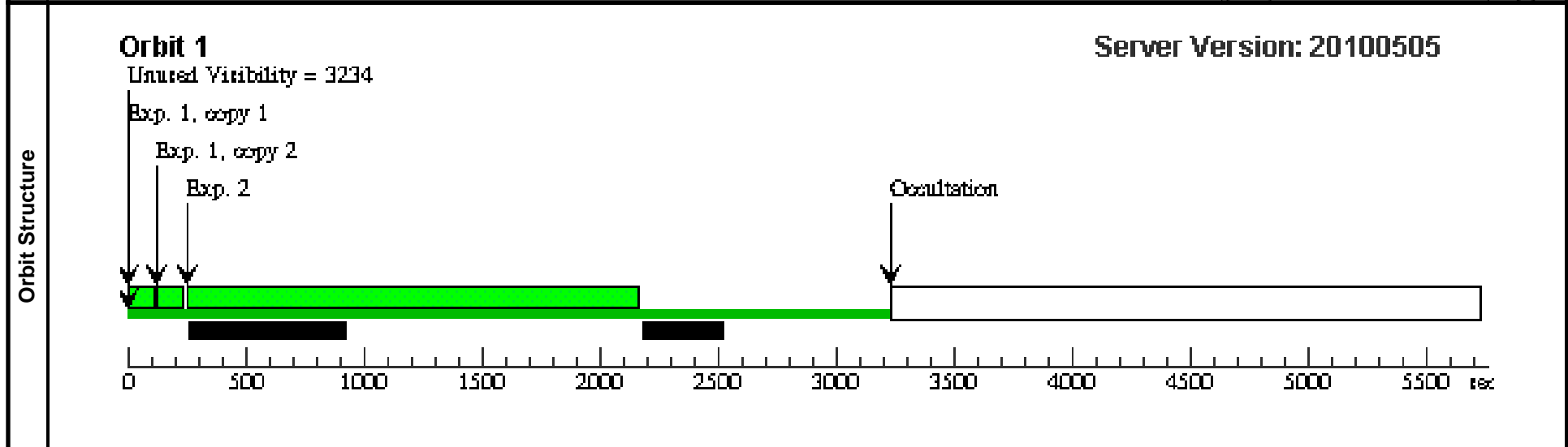
Proposal 12345 - Visit 04 - UVIS Long Darks Test

Sat Sep 11 01:22:48 GMT 2010

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| Visit | Proposal 12345, Visit 04 | | | | | | | | | |
| | Diagnostic Status: Warning | | | | | | | | | |
| | Scientific Instruments: WFC3/UVIS | | | | | | | | | |
| | Special Requirements: (none) | | | | | | | | | |

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| Diagnostics | (Visit 04) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU | | | | | | | | | |
|--------------------|--|--|--|--|--|--|--|--|--|--|

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time/[Actual Dur.] | Orbit |
|------------------|------|-------|------------------------|------------------------|---------------|--------------|---------------|--------|-------------------------|--|
| | 1 | Bias | BIAS | WFC3/UVIS, ACCUM, UVIS | DEF | | | | | 0 Secs X 2 [==>(Copy 1)] [==>(Copy 2)] |
| 2 | Dark | DARK | WFC3/UVIS, ACCUM, UVIS | DEF | | | | | 1800 Secs [==>] | [1] |



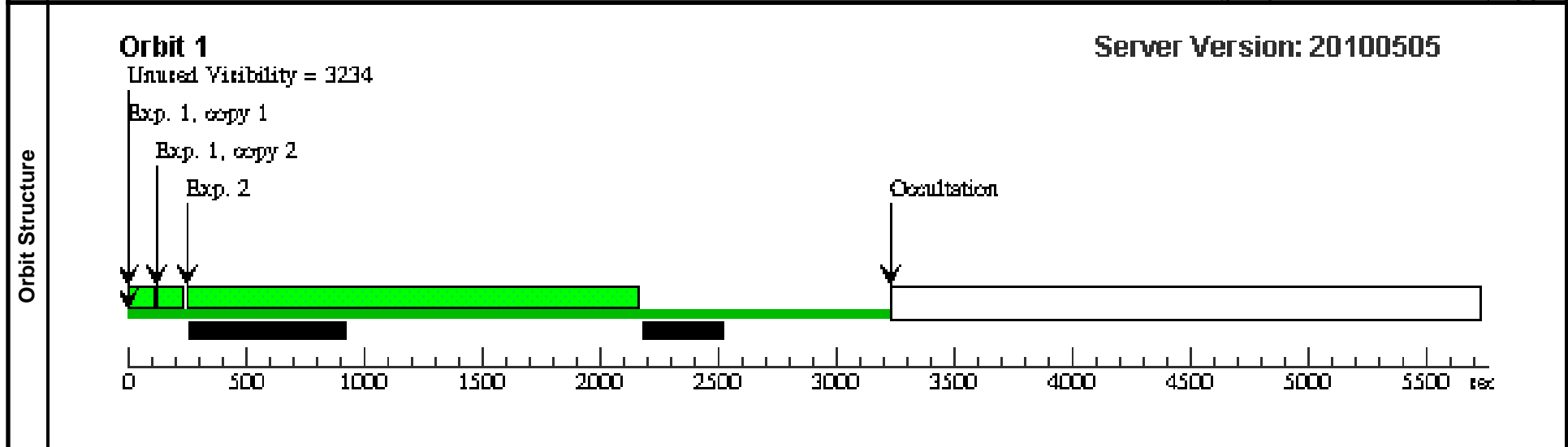
Proposal 12345 - Visit 03 - UVIS Long Darks Test

Sat Sep 11 01:22:48 GMT 2010

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| Visit | Proposal 12345, Visit 03 | | | | | | | | | |
| | Diagnostic Status: Warning | | | | | | | | | |
| | Scientific Instruments: WFC3/UVIS | | | | | | | | | |
| | Special Requirements: (none) | | | | | | | | | |

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| Diagnostics | (Visit 03) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU | | | | | | | | | |
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| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time/[Actual Dur.] | Orbit |
|------------------|------|-------|------------------------|------------------------|---------------|--------------|---------------|--------|-------------------------|--|
| | 1 | Bias | BIAS | WFC3/UVIS, ACCUM, UVIS | DEF | | | | | 0 Secs X 2 [==>(Copy 1)] [==>(Copy 2)] |
| 2 | Dark | DARK | WFC3/UVIS, ACCUM, UVIS | DEF | | | | | 1800 Secs [==>] | [1] |



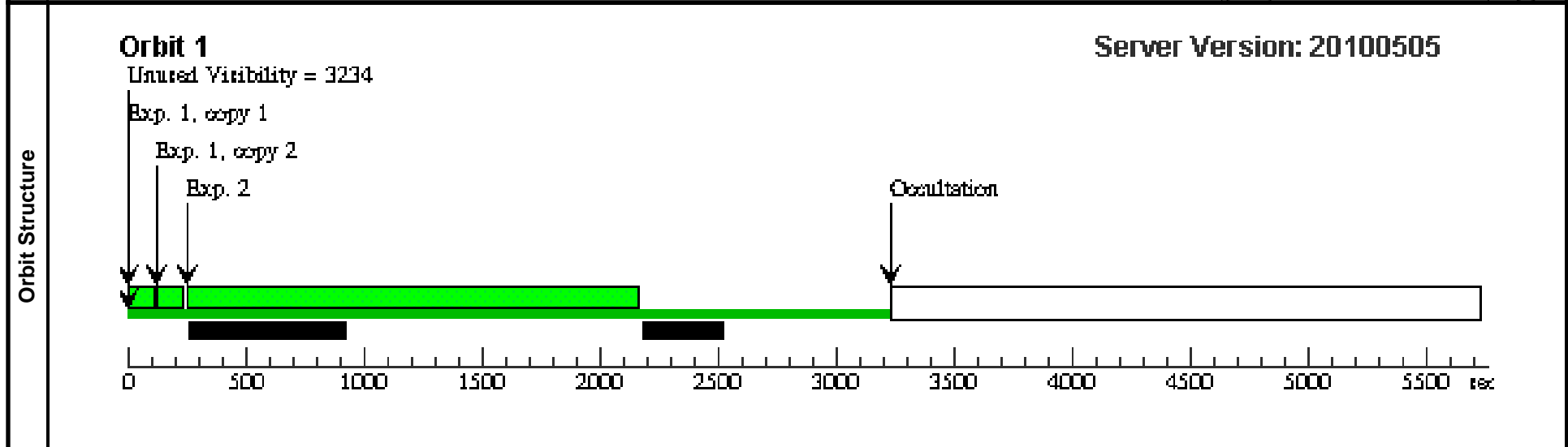
Proposal 12345 - Visit 02 - UVIS Long Darks Test

Sat Sep 11 01:22:49 GMT 2010

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| Visit | Proposal 12345, Visit 02 | | | | | | | | | |
| | Diagnostic Status: Warning | | | | | | | | | |
| | Scientific Instruments: WFC3/UVIS | | | | | | | | | |
| | Special Requirements: (none) | | | | | | | | | |

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| Diagnostics | (Visit 02) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU | | | | | | | | | |
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| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time/[Actual Dur.] | Orbit |
|------------------|------|-------|------------------------|------------------------|---------------|--------------|---------------|--------|-------------------------|--|
| | 1 | Bias | BIAS | WFC3/UVIS, ACCUM, UVIS | DEF | | | | | 0 Secs X 2 [==>(Copy 1)] [==>(Copy 2)] |
| 2 | Dark | DARK | WFC3/UVIS, ACCUM, UVIS | DEF | | | | | 1800 Secs [==>] | [1] |



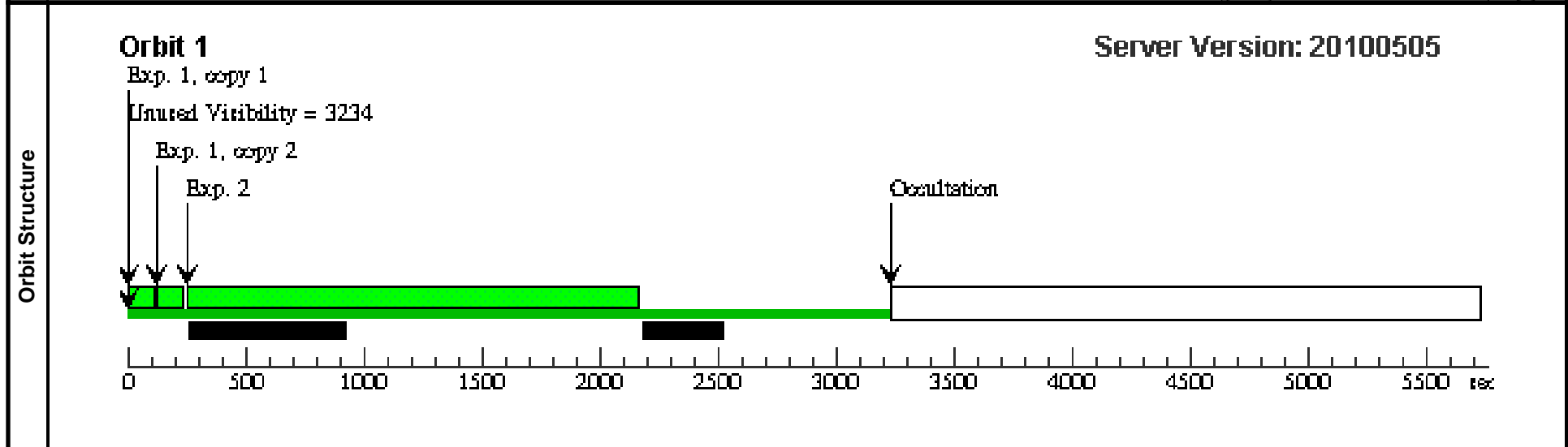
Proposal 12345 - Visit 90 - UVIS Long Darks Test

Sat Sep 11 01:22:49 GMT 2010

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| Visit | Proposal 12345, Visit 90 | | | | | | | | | |
| | Diagnostic Status: Warning | | | | | | | | | |
| | Scientific Instruments: WFC3/UVIS | | | | | | | | | |
| | Special Requirements: (none) | | | | | | | | | |

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| Diagnostics | (Visit 90) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU | | | | | | | | | |
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| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time/[Actual Dur.] | Orbit |
|------------------|------|-------|------------------------|------------------------|---------------|--------------|---------------|--------|-------------------------|--|
| | 1 | Bias | BIAS | WFC3/UVIS, ACCUM, UVIS | DEF | | | | | 0 Secs X 2 [==>(Copy 1)] [==>(Copy 2)] |
| 2 | Dark | DARK | WFC3/UVIS, ACCUM, UVIS | DEF | | | | | 1800 Secs [==>] | [1] |



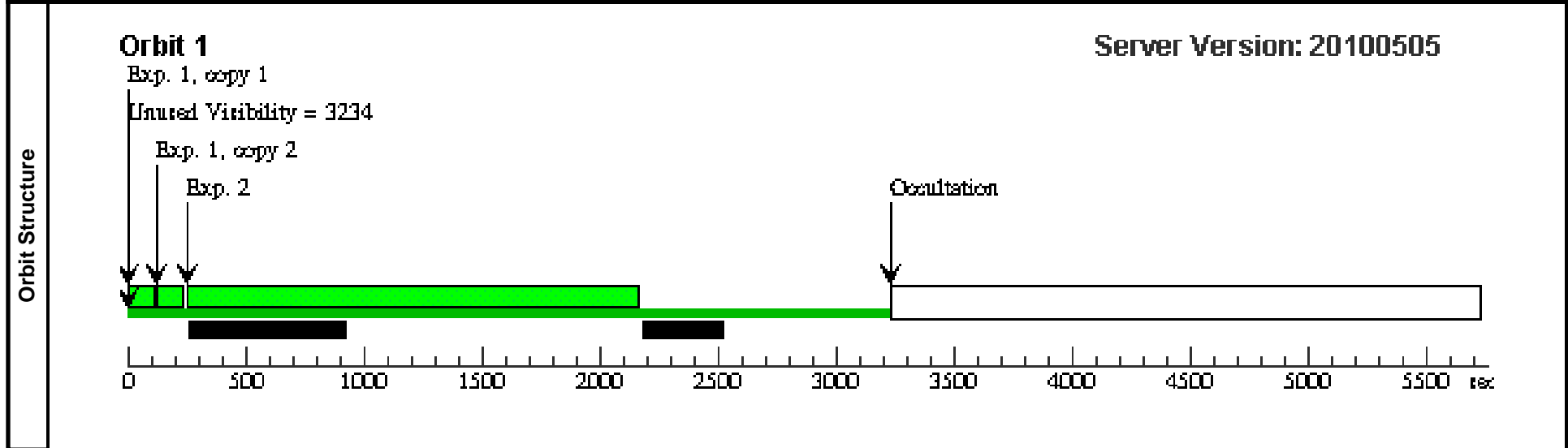
Proposal 12345 - Visit 91 - UVIS Long Darks Test

Sat Sep 11 01:22:49 GMT 2010

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| Visit | Proposal 12345, Visit 91 | | | | | | | | | |
| | Diagnostic Status: Warning | | | | | | | | | |
| | Scientific Instruments: WFC3/UVIS | | | | | | | | | |
| | Special Requirements: (none) | | | | | | | | | |

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| Diagnostics | (Visit 91) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU | | | | | | | | | |
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| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time/[Actual Dur.] | Orbit |
|------------------|------|-------|------------------------|------------------------|---------------|--------------|---------------|--------|-------------------------|--|
| | 1 | Bias | BIAS | WFC3/UVIS, ACCUM, UVIS | DEF | | | | | 0 Secs X 2 [==>(Copy 1)] [==>(Copy 2)] |
| 2 | Dark | DARK | WFC3/UVIS, ACCUM, UVIS | DEF | | | | | 1800 Secs [==>] | [1] |



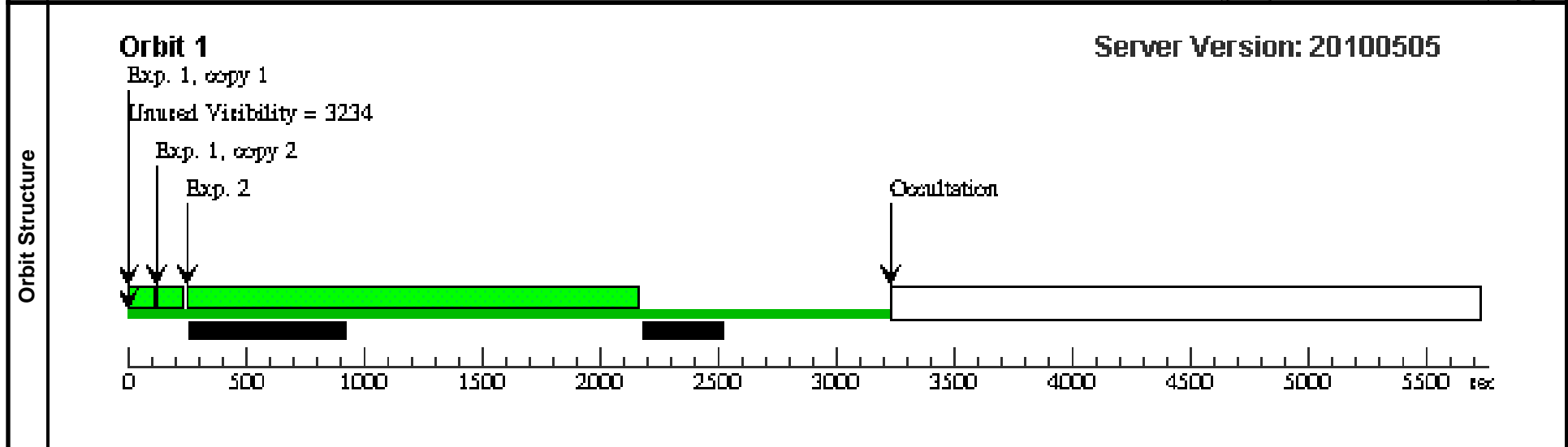
Proposal 12345 - Visit 92 - UVIS Long Darks Test

Sat Sep 11 01:22:49 GMT 2010

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| Visit | Proposal 12345, Visit 92 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none) | | | | | | | | | |
| | (Visit 92) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU | | | | | | | | | |
| | # Label Target Config,Mode,Aperture Spectral Els. Opt. Params. Special Reqs. Groups Exp. Time/[Actual Dur.] Orbit | | | | | | | | | |
| | 1 Bias BIAS WFC3/UVIS, ACCUM, UVIS DEF 0 Secs X 2 [==>(Copy 1)] [1] [==>(Copy 2)] | | | | | | | | | |

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| Diagnosics | (Visit 92) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU | | | | | | | | | |
| | # Label Target Config,Mode,Aperture Spectral Els. Opt. Params. Special Reqs. Groups Exp. Time/[Actual Dur.] Orbit | | | | | | | | | |
| | 2 Dark DARK WFC3/UVIS, ACCUM, UVIS DEF 1800 Secs [==>] [1] | | | | | | | | | |
| | [==>] [1] | | | | | | | | | |

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| Exposures | # Label Target Config,Mode,Aperture Spectral Els. Opt. Params. Special Reqs. Groups Exp. Time/[Actual Dur.] Orbit | | | | | | | | | |
| | 1 Bias BIAS WFC3/UVIS, ACCUM, UVIS DEF 0 Secs X 2 [==>(Copy 1)] [1] [==>(Copy 2)] | | | | | | | | | |
| | 2 Dark DARK WFC3/UVIS, ACCUM, UVIS DEF 1800 Secs [==>] [1] | | | | | | | | | |
| | [==>] [1] | | | | | | | | | |



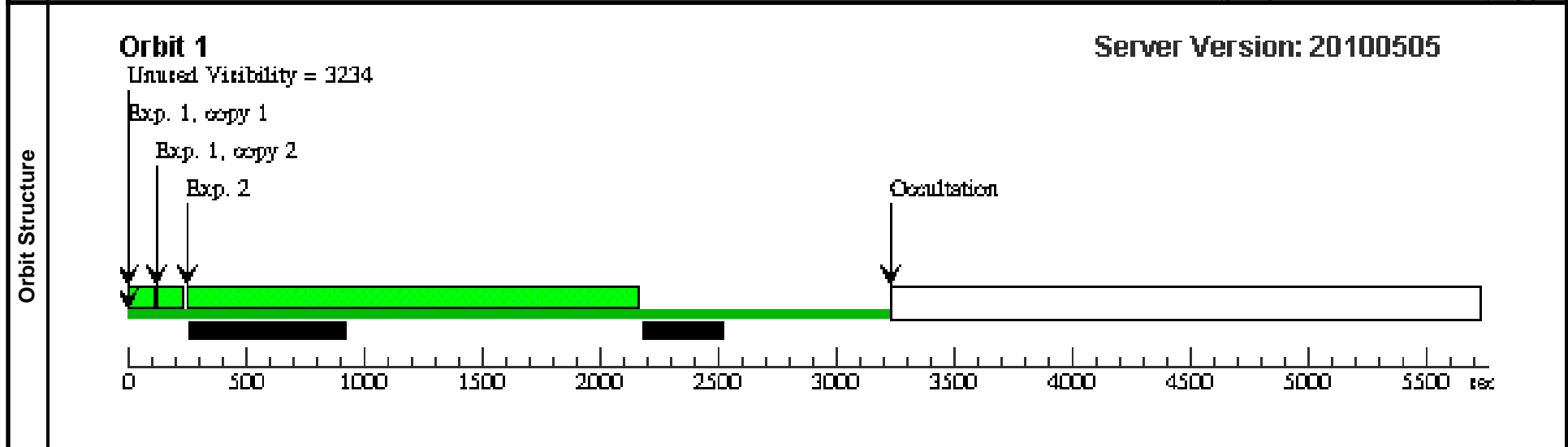
Proposal 12345 - Visit 93 - UVIS Long Darks Test

Sat Sep 11 01:22:50 GMT 2010

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| Visit | Proposal 12345, Visit 93 | | | | | | | | | |
| | Diagnostic Status: Warning | | | | | | | | | |
| | Scientific Instruments: WFC3/UVIS | | | | | | | | | |
| | Special Requirements: (none) | | | | | | | | | |

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| Diagnostics | (Visit 93) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU | | | | | | | | | |
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| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time/[Actual Dur.] | Orbit |
|------------------|------|-------|------------------------|------------------------|---------------|--------------|---------------|--------|-------------------------|--|
| | 1 | Bias | BIAS | WFC3/UVIS, ACCUM, UVIS | DEF | | | | | 0 Secs X 2 [==>(Copy 1)] [==>(Copy 2)] |
| 2 | Dark | DARK | WFC3/UVIS, ACCUM, UVIS | DEF | | | | | 1800 Secs [==>] | [1] |



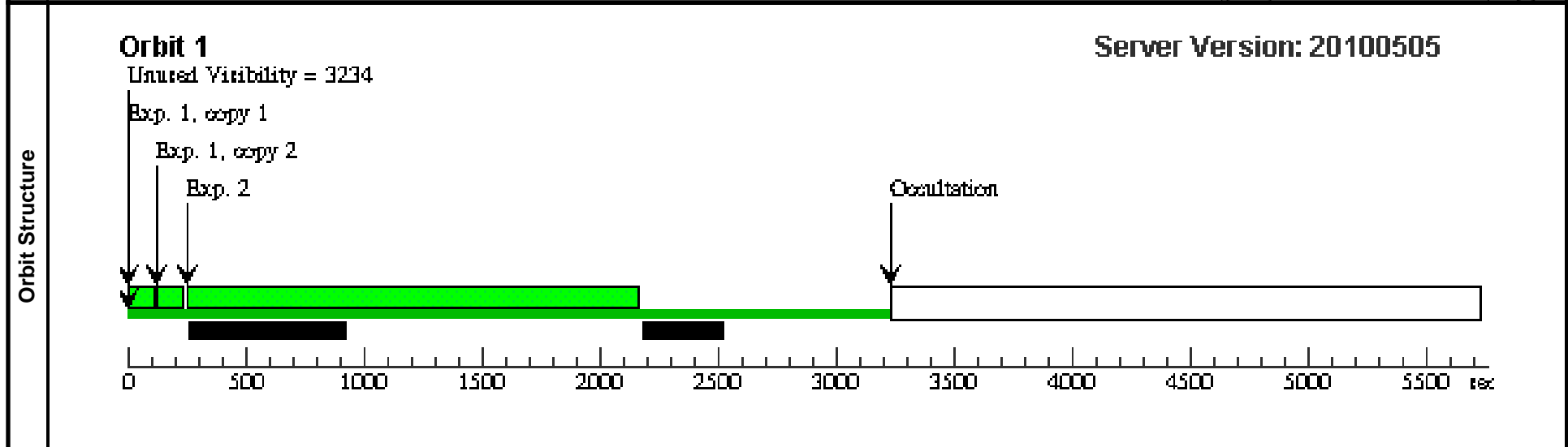
Proposal 12345 - Visit 94 - UVIS Long Darks Test

Sat Sep 11 01:22:50 GMT 2010

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| Visit | Proposal 12345, Visit 94 | | | | | | | | | |
| | Diagnostic Status: Warning | | | | | | | | | |
| | Scientific Instruments: WFC3/UVIS | | | | | | | | | |
| | Special Requirements: (none) | | | | | | | | | |

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| Diagnostics | (Visit 94) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU | | | | | | | | | |
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| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time/[Actual Dur.] | Orbit |
|------------------|------|-------|------------------------|------------------------|---------------|--------------|---------------|--------|-------------------------|--|
| | 1 | Bias | BIAS | WFC3/UVIS, ACCUM, UVIS | DEF | | | | | 0 Secs X 2 [==>(Copy 1)] [==>(Copy 2)] |
| 2 | Dark | DARK | WFC3/UVIS, ACCUM, UVIS | DEF | | | | | 1800 Secs [==>] | [1] |



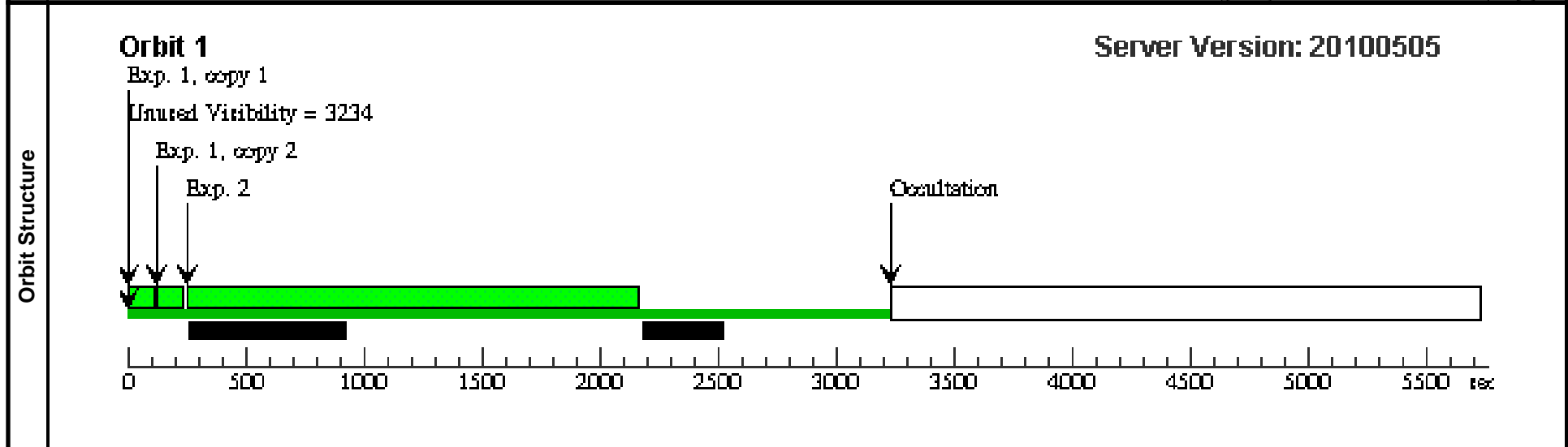
Proposal 12345 - Visit 95 - UVIS Long Darks Test

Sat Sep 11 01:22:50 GMT 2010

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| Visit | Proposal 12345, Visit 95 | | | | | | | | | |
| | Diagnostic Status: Warning | | | | | | | | | |
| | Scientific Instruments: WFC3/UVIS | | | | | | | | | |
| | Special Requirements: (none) | | | | | | | | | |

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| Diagnostics | (Visit 95) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU | | | | | | | | | |
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| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time/[Actual Dur.] | Orbit |
|------------------|------|-------|------------------------|------------------------|---------------|--------------|---------------|--------|-------------------------|--|
| | 1 | Bias | BIAS | WFC3/UVIS, ACCUM, UVIS | DEF | | | | | 0 Secs X 2 [==>(Copy 1)] [==>(Copy 2)] |
| 2 | Dark | DARK | WFC3/UVIS, ACCUM, UVIS | DEF | | | | | 1800 Secs [==>] | [1] |



Proposal 12345 - Visit 96 - UVIS Long Darks Test

Sat Sep 11 01:22:51 GMT 2010

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| Visit | Proposal 12345, Visit 96 | | | | | | | | | |
| | Diagnostic Status: Warning | | | | | | | | | |
| | Scientific Instruments: WFC3/UVIS | | | | | | | | | |
| | Special Requirements: (none) | | | | | | | | | |

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| Diagnostics | (Visit 96) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU | | | | | | | | | |
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| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time/[Actual Dur.] | Orbit |
|------------------|------|-------|------------------------|------------------------|---------------|--------------|---------------|--------|-------------------------|--|
| | 1 | Bias | BIAS | WFC3/UVIS, ACCUM, UVIS | DEF | | | | | 0 Secs X 2 [==>(Copy 1)] [==>(Copy 2)] |
| 2 | Dark | DARK | WFC3/UVIS, ACCUM, UVIS | DEF | | | | | 1800 Secs [==>] | [1] |

