



13528 - NUV Detector Dark Monitor

Cycle: 21, Proposal Category: CAL/COS

(Availability Mode: RESTRICTED)

INVESTIGATORS

| <i>Name</i> | <i>Institution</i> | <i>E-Mail</i> |
|----------------------------------|--|----------------------|
| Justin Ely (PI) (Contact) | Space Telescope Science Institute | ely@stsci.edu |
| Dr. Charles R. Proffitt (CoI) | Computer Sciences Corporation | proffitt@stsci.edu |
| Dr. David J. Sahnou (CoI) | Space Telescope Science Institute | sahnou@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> |
|--------------|------------------------------|-------------------------------------|--------------------|-------------------------------|-------------------------------|
| 01 | DARK | COS/NUV | 1 | 23-Sep-2013 21:52:50.0 | yes |
| 02 | DARK | COS/NUV | 1 | 23-Sep-2013 21:52:54.0 | yes |
| 03 | DARK | COS/NUV | 1 | 23-Sep-2013 21:52:56.0 | yes |
| 04 | DARK | COS/NUV | 1 | 23-Sep-2013 21:52:58.0 | yes |
| 05 | DARK | COS/NUV | 1 | 23-Sep-2013 21:53:01.0 | yes |
| 06 | DARK | COS/NUV | 1 | 23-Sep-2013 21:53:03.0 | yes |
| 07 | DARK | COS/NUV | 1 | 23-Sep-2013 21:53:05.0 | yes |
| 08 | DARK | COS/NUV | 1 | 23-Sep-2013 21:53:07.0 | yes |
| 09 | DARK | COS/NUV | 1 | 23-Sep-2013 21:53:09.0 | yes |
| 0A | DARK | COS/NUV | 1 | 23-Sep-2013 21:53:11.0 | yes |
| 0B | DARK | COS/NUV | 1 | 23-Sep-2013 21:53:14.0 | yes |
| 0C | DARK | COS/NUV | 1 | 23-Sep-2013 21:53:16.0 | yes |

Proposal 13528 (STScI Edit Number: 1, Created: Monday, September 23, 2013 8:54:42 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> |
|--------------|------------------------------|-------------------------------------|--------------------|-------------------------------|-------------------------------|
| 0D | DARK | COS/NUV | 1 | 23-Sep-2013 21:53:18.0 | yes |
| 0E | DARK | COS/NUV | 1 | 23-Sep-2013 21:53:20.0 | yes |
| 0F | DARK | COS/NUV | 1 | 23-Sep-2013 21:53:22.0 | yes |
| 0G | DARK | COS/NUV | 1 | 23-Sep-2013 21:53:24.0 | yes |
| 0H | DARK | COS/NUV | 1 | 23-Sep-2013 21:53:26.0 | yes |
| 0I | DARK | COS/NUV | 1 | 23-Sep-2013 21:53:28.0 | yes |
| 0J | DARK | COS/NUV | 1 | 23-Sep-2013 21:53:30.0 | yes |
| 0K | DARK | COS/NUV | 1 | 23-Sep-2013 21:53:32.0 | yes |
| 0L | DARK | COS/NUV | 1 | 23-Sep-2013 21:53:34.0 | yes |
| 0M | DARK | COS/NUV | 1 | 23-Sep-2013 21:53:36.0 | yes |
| 0N | DARK | COS/NUV | 1 | 23-Sep-2013 21:53:38.0 | yes |
| 0O | DARK | COS/NUV | 1 | 23-Sep-2013 21:53:40.0 | yes |
| 0P | DARK | COS/NUV | 1 | 23-Sep-2013 21:53:42.0 | yes |
| 0Q | DARK | COS/NUV | 1 | 23-Sep-2013 21:53:44.0 | yes |
| 0R | DARK | COS/NUV | 1 | 23-Sep-2013 21:53:46.0 | yes |
| 0S | DARK | COS/NUV | 1 | 23-Sep-2013 21:53:48.0 | yes |
| 0T | DARK | COS/NUV | 1 | 23-Sep-2013 21:53:50.0 | yes |
| 0U | DARK | COS/NUV | 1 | 23-Sep-2013 21:53:52.0 | yes |
| 0V | DARK | COS/NUV | 1 | 23-Sep-2013 21:53:54.0 | yes |
| 0W | DARK | COS/NUV | 1 | 23-Sep-2013 21:53:56.0 | yes |
| 0X | DARK | COS/NUV | 1 | 23-Sep-2013 21:53:58.0 | yes |
| 0Y | DARK | COS/NUV | 1 | 23-Sep-2013 21:54:00.0 | yes |
| 0Z | DARK | COS/NUV | 1 | 23-Sep-2013 21:54:02.0 | yes |
| 10 | DARK | COS/NUV | 1 | 23-Sep-2013 21:54:04.0 | yes |
| 11 | DARK | COS/NUV | 1 | 23-Sep-2013 21:54:05.0 | 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> |
|--------------|------------------------------|-------------------------------------|--------------------|-------------------------------|-------------------------------|
| 12 | DARK | COS/NUV | 1 | 23-Sep-2013 21:54:07.0 | yes |
| 13 | DARK | COS/NUV | 1 | 23-Sep-2013 21:54:09.0 | yes |
| 14 | DARK | COS/NUV | 1 | 23-Sep-2013 21:54:11.0 | yes |
| 15 | DARK | COS/NUV | 1 | 23-Sep-2013 21:54:13.0 | yes |
| 16 | DARK | COS/NUV | 1 | 23-Sep-2013 21:54:15.0 | yes |
| 17 | DARK | COS/NUV | 1 | 23-Sep-2013 21:54:17.0 | yes |
| 18 | DARK | COS/NUV | 1 | 23-Sep-2013 21:54:19.0 | yes |
| 19 | DARK | COS/NUV | 1 | 23-Sep-2013 21:54:21.0 | yes |
| 1A | DARK | COS/NUV | 1 | 23-Sep-2013 21:54:23.0 | yes |
| 1B | DARK | COS/NUV | 1 | 23-Sep-2013 21:54:25.0 | yes |
| 1C | DARK | COS/NUV | 1 | 23-Sep-2013 21:54:27.0 | yes |
| 1D | DARK | COS/NUV | 1 | 23-Sep-2013 21:54:29.0 | yes |
| 1E | DARK | COS/NUV | 1 | 23-Sep-2013 21:54:31.0 | yes |
| 1F | DARK | COS/NUV | 1 | 23-Sep-2013 21:54:33.0 | yes |
| 1G | DARK | COS/NUV | 1 | 23-Sep-2013 21:54:35.0 | yes |

52 Total Orbits Used

ABSTRACT

Perform routine monitoring of MAMA detector dark current. The main purpose is to look for evidence of a change in the dark rates, both to track on-orbit time dependence and to check for a detector problem developing. The spatial distribution of dark rates on the detector and the effect of SAA will also be studied.

OBSERVING DESCRIPTION

Monitor the NUV detector dark rate by taking TIME-TAG science exposures with no light on the detector. Twice in every two weeks a 22-min exposure is taken with the NUV detector with the shutter closed. The paired exposures, such as 01 and 02, are separated by several orbits to track

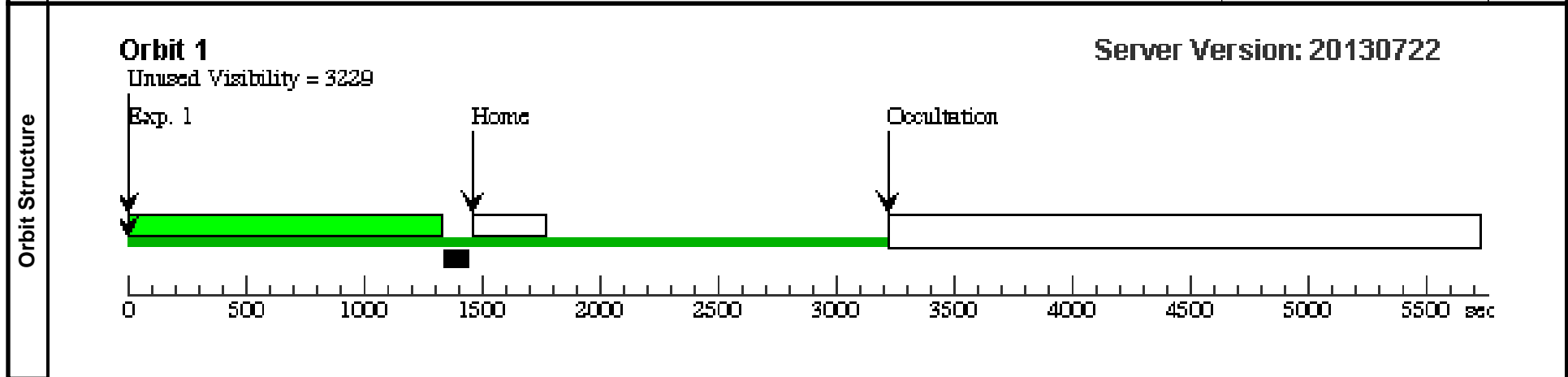
Proposal 13528 (STScI Edit Number: 1, Created: Monday, September 23, 2013 8:54:42 PM EST) - Overview
potential instrument temperature changes. The length of the exposures is chosen to make them fit in Earth occultations.

Proposal 13528 - Visit 01 - NUV Detector Dark Monitor

Tue Sep 24 01:54:43 GMT 2013

| | | | | | | | | | | |
|--------------|---|--|--|--|--|--|--|--|--|--|
| Visit | Proposal 13528, Visit 01, implementation | | | | | | | | | |
| | Diagnostic Status: No Diagnostics | | | | | | | | | |
| | Scientific Instruments: COS/NUV | | | | | | | | | |
| | Special Requirements: BETWEEN 01-NOV-2013:00:00:00 AND 07-NOV-2013:23:59:59 | | | | | | | | | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|--------|----------------------|------------------------|--------------|----------------------|--------|---------------------------------|----------------------------------|
| | 1 | | DARK | | COS/NUV, TIME-TAG, DEF | DEF | BUFFER-TIME=13 30 | | | 1330.0 Secs (1330 Secs) [==>] |

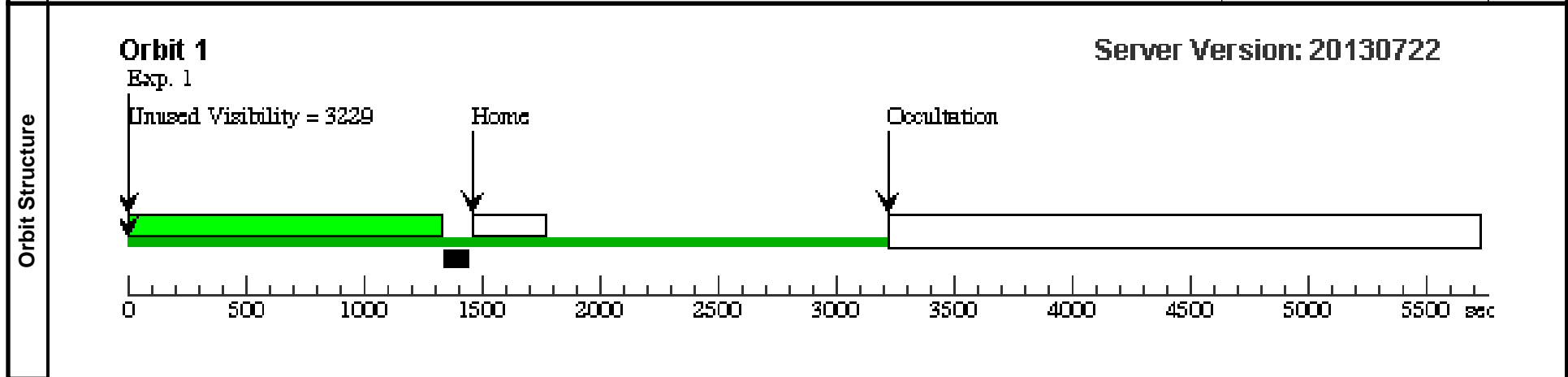


Proposal 13528 - Visit 02 - NUV Detector Dark Monitor

Tue Sep 24 01:54:45 GMT 2013

| | | | | | | | | | | |
|--------------|--|--|--|--|--|--|--|--|--|--|
| Visit | Proposal 13528, Visit 02, implementation | | | | | | | | | |
| | Diagnostic Status: No Diagnostics | | | | | | | | | |
| | Scientific Instruments: COS/NUV | | | | | | | | | |
| | Special Requirements: AFTER 01 BY 5.5 Orbits TO 8.5 Orbits | | | | | | | | | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|--------|----------------------|------------------------|--------------|----------------------|--------|---------------------------------|-------------------------|
| | 1 | | DARK | | COS/NUV, TIME-TAG, DEF | DEF | BUFFER-TIME=13 30 | | | 1330.0 Secs (1330 Secs) |
| | | | | | | | | | [==>] | [1] |

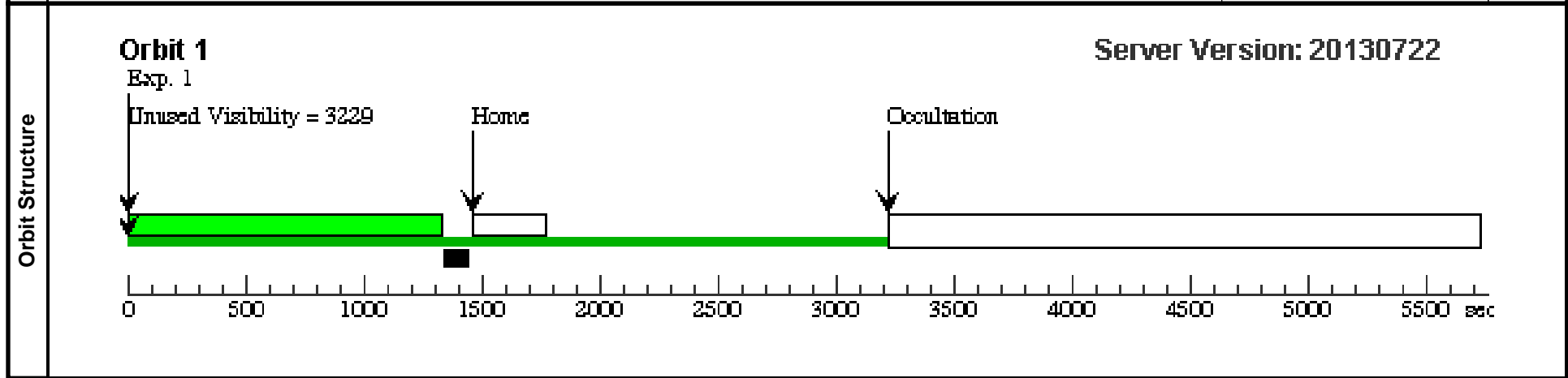


Proposal 13528 - Visit 03 - NUV Detector Dark Monitor

Tue Sep 24 01:54:45 GMT 2013

| | | | | | | | | | | |
|--------------|---|--|--|--|--|--|--|--|--|--|
| Visit | Proposal 13528, Visit 03, implementation | | | | | | | | | |
| | Diagnostic Status: No Diagnostics | | | | | | | | | |
| | Scientific Instruments: COS/NUV | | | | | | | | | |
| | Special Requirements: BETWEEN 15-NOV-2013:00:00:00 AND 21-NOV-2013:23:59:59 | | | | | | | | | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|--------|----------------------|------------------------|--------------|----------------------|--------|---------------------------------|----------------------------------|
| | 1 | | DARK | | COS/NUV, TIME-TAG, DEF | DEF | BUFFER-TIME=13 30 | | | 1330.0 Secs (1330 Secs) [==>] |

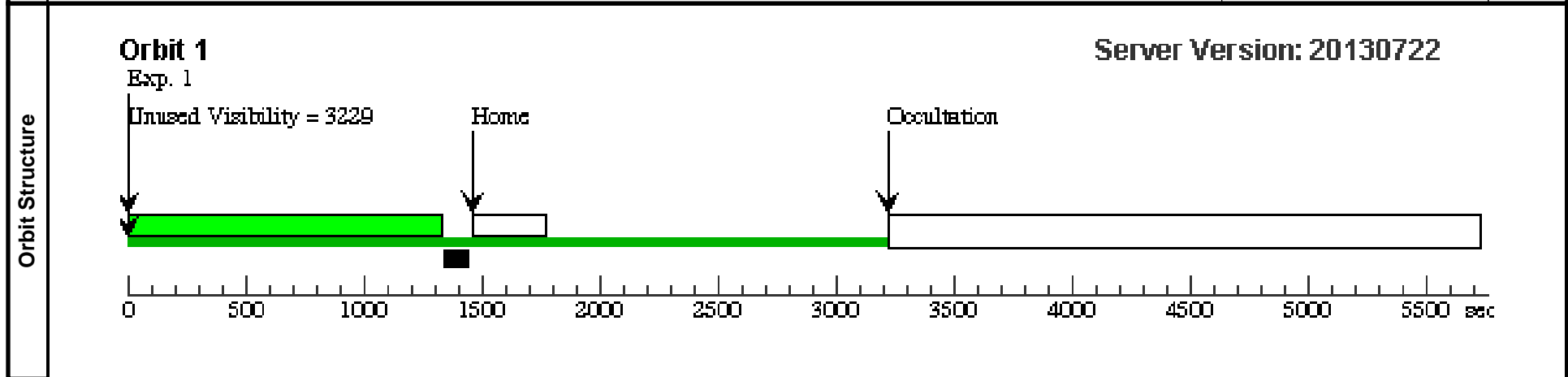


Proposal 13528 - Visit 04 - NUV Detector Dark Monitor

Tue Sep 24 01:54:46 GMT 2013

| | | | | | | | | | | |
|--------------|--|--|--|--|--|--|--|--|--|--|
| Visit | Proposal 13528, Visit 04, implementation | | | | | | | | | |
| | Diagnostic Status: No Diagnostics | | | | | | | | | |
| | Scientific Instruments: COS/NUV | | | | | | | | | |
| | Special Requirements: AFTER 03 BY 5.5 Orbits TO 8.5 Orbits | | | | | | | | | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|--------|----------------------|------------------------|--------------|----------------------|--------|---------------------------------|-------------------------|
| | 1 | | DARK | | COS/NUV, TIME-TAG, DEF | DEF | BUFFER-TIME=13 30 | | | 1330.0 Secs (1330 Secs) |
| | | | | | | | | | [==>] | [1] |

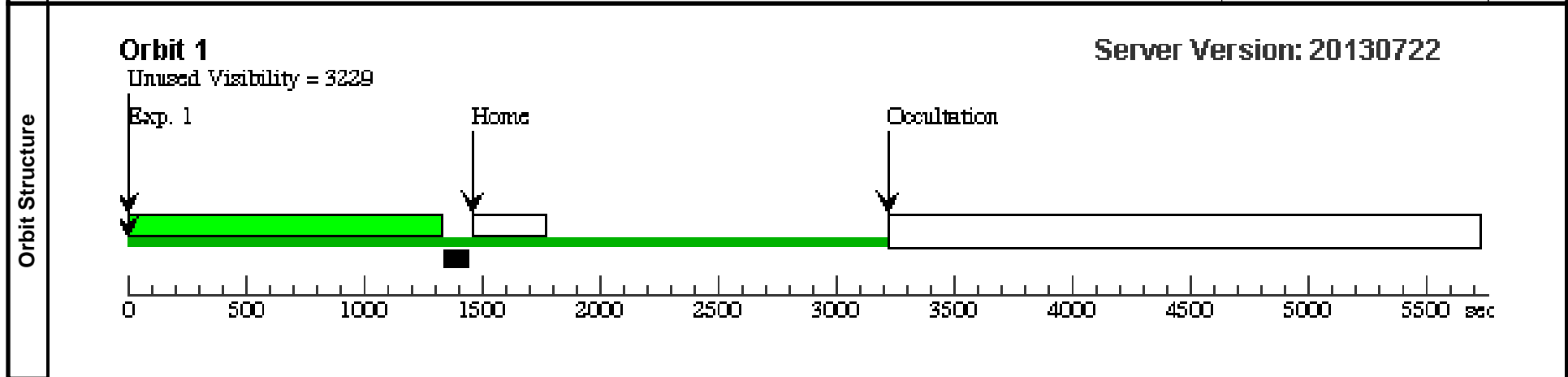


Proposal 13528 - Visit 05 - NUV Detector Dark Monitor

Tue Sep 24 01:54:46 GMT 2013

| | | | | | | | | | | |
|--------------|---|--|--|--|--|--|--|--|--|--|
| Visit | Proposal 13528, Visit 05, implementation | | | | | | | | | |
| | Diagnostic Status: No Diagnostics | | | | | | | | | |
| | Scientific Instruments: COS/NUV | | | | | | | | | |
| | Special Requirements: BETWEEN 29-NOV-2013:00:00:00 AND 05-DEC-2013:23:59:59 | | | | | | | | | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|--------|----------------------|------------------------|--------------|----------------------|--------|---------------------------------|----------------------------------|
| | 1 | | DARK | | COS/NUV, TIME-TAG, DEF | DEF | BUFFER-TIME=13 30 | | | 1330.0 Secs (1330 Secs) [==>] |

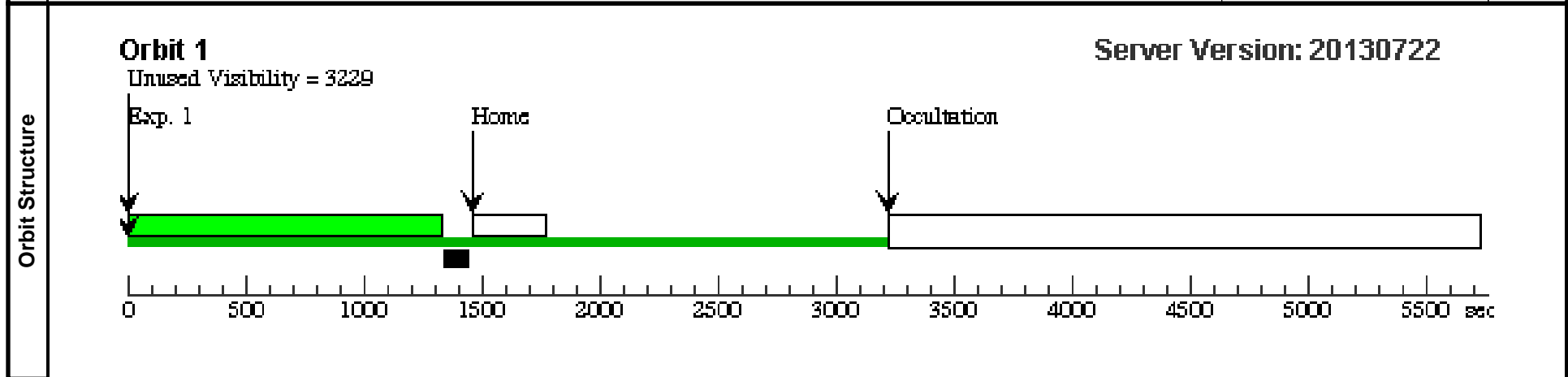


Proposal 13528 - Visit 06 - NUV Detector Dark Monitor

Tue Sep 24 01:54:47 GMT 2013

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|--------------|--|--|--|--|--|--|--|--|--|--|
| Visit | Proposal 13528, Visit 06, implementation | | | | | | | | | |
| | Diagnostic Status: No Diagnostics | | | | | | | | | |
| | Scientific Instruments: COS/NUV | | | | | | | | | |
| | Special Requirements: AFTER 05 BY 5.5 Orbits TO 8.5 Orbits | | | | | | | | | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|--------|----------------------|------------------------|--------------|----------------------|--------|---------------------------------|-------------------------|
| | 1 | | DARK | | COS/NUV, TIME-TAG, DEF | DEF | BUFFER-TIME=13 30 | | | 1330.0 Secs (1330 Secs) |
| | | | | | | | | | [==>] | [1] |

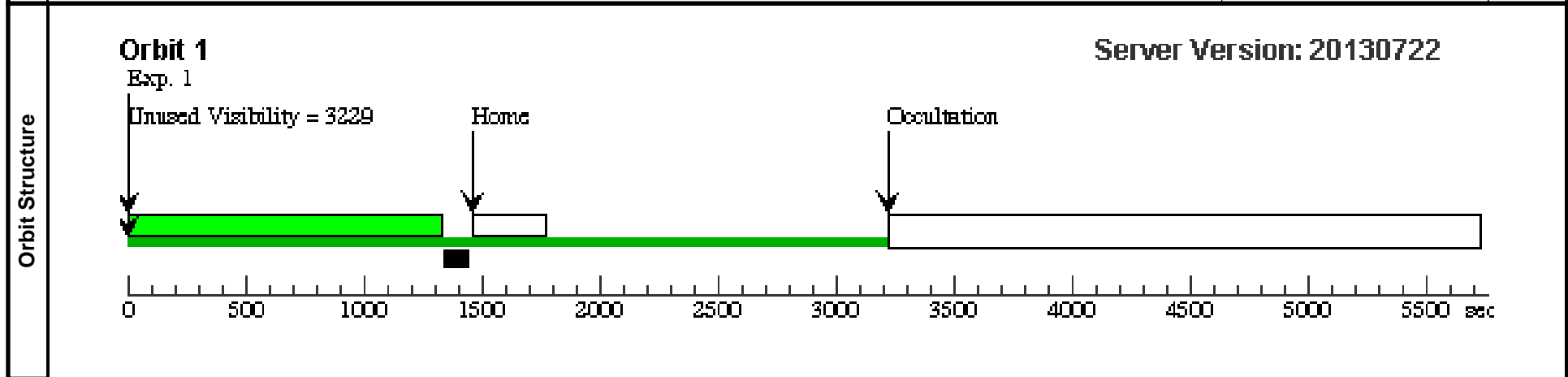


Proposal 13528 - Visit 07 - NUV Detector Dark Monitor

Tue Sep 24 01:54:47 GMT 2013

| | | | | | | | | | | |
|--------------|---|--|--|--|--|--|--|--|--|--|
| Visit | Proposal 13528, Visit 07, implementation | | | | | | | | | |
| | Diagnostic Status: No Diagnostics | | | | | | | | | |
| | Scientific Instruments: COS/NUV | | | | | | | | | |
| | Special Requirements: BETWEEN 13-DEC-2013:00:00:00 AND 19-DEC-2013:23:59:59 | | | | | | | | | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|--------|----------------------|------------------------|--------------|----------------------|--------|---------------------------------|-------------------------|
| | 1 | | DARK | | COS/NUV, TIME-TAG, DEF | DEF | BUFFER-TIME=13 30 | | | 1330.0 Secs (1330 Secs) |
| | | | | | | | | | [==>] | [1] |

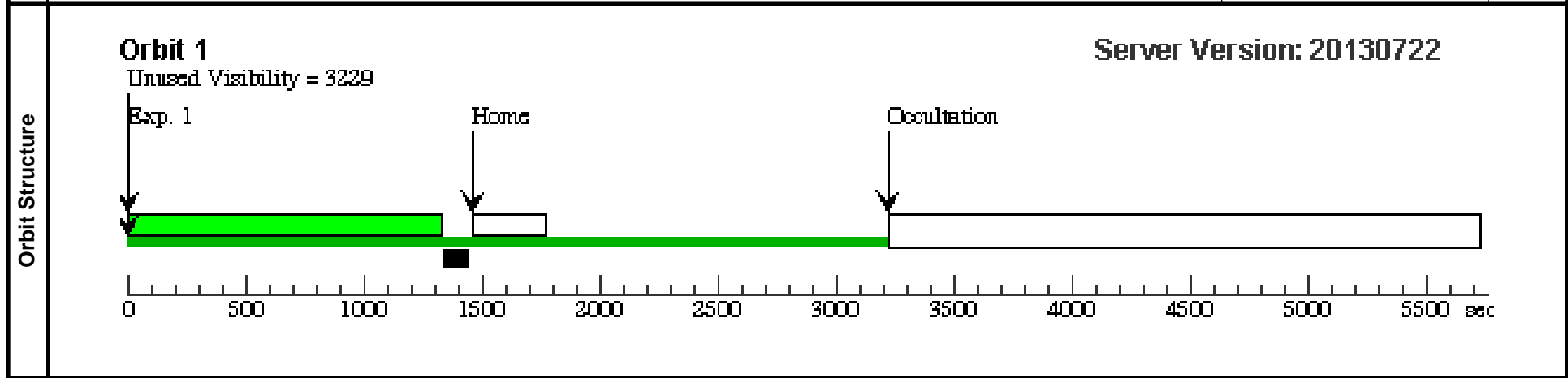


Proposal 13528 - Visit 08 - NUV Detector Dark Monitor

Tue Sep 24 01:54:48 GMT 2013

| | | | | | | | | | | |
|--------------|--|--|--|--|--|--|--|--|--|--|
| Visit | Proposal 13528, Visit 08, implementation | | | | | | | | | |
| | Diagnostic Status: No Diagnostics | | | | | | | | | |
| | Scientific Instruments: COS/NUV | | | | | | | | | |
| | Special Requirements: AFTER 07 BY 5.5 Orbits TO 8.5 Orbits | | | | | | | | | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|--------|----------------------|------------------------|--------------|----------------------|--------|---------------------------------|-------------------------|
| | 1 | | DARK | | COS/NUV, TIME-TAG, DEF | DEF | BUFFER-TIME=13 30 | | | 1330.0 Secs (1330 Secs) |
| | | | | | | | | | [==>] | [1] |

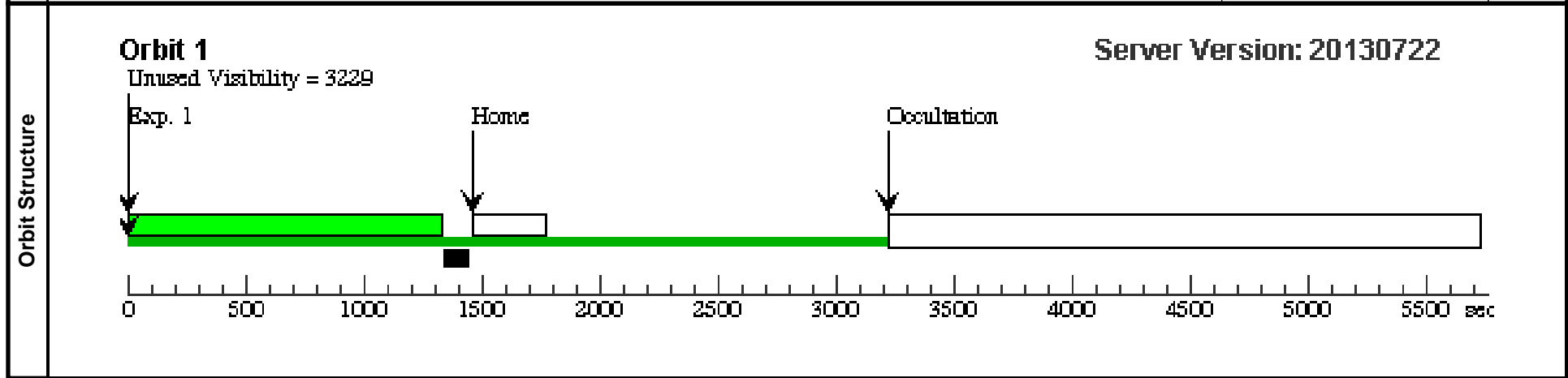


Proposal 13528 - Visit 09 - NUV Detector Dark Monitor

Tue Sep 24 01:54:48 GMT 2013

| | | | | | | | | | | |
|--------------|---|--|--|--|--|--|--|--|--|--|
| Visit | Proposal 13528, Visit 09, implementation | | | | | | | | | |
| | Diagnostic Status: No Diagnostics | | | | | | | | | |
| | Scientific Instruments: COS/NUV | | | | | | | | | |
| | Special Requirements: BETWEEN 27-DEC-2013:00:00:00 AND 02-JAN-2014:23:59:59 | | | | | | | | | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|--------|----------------------|------------------------|--------------|----------------------|--------|---------------------------------|-------------------------|
| | 1 | | DARK | | COS/NUV, TIME-TAG, DEF | DEF | BUFFER-TIME=13 30 | | | 1330.0 Secs (1330 Secs) |
| | | | | | | | | | [==>] | [1] |

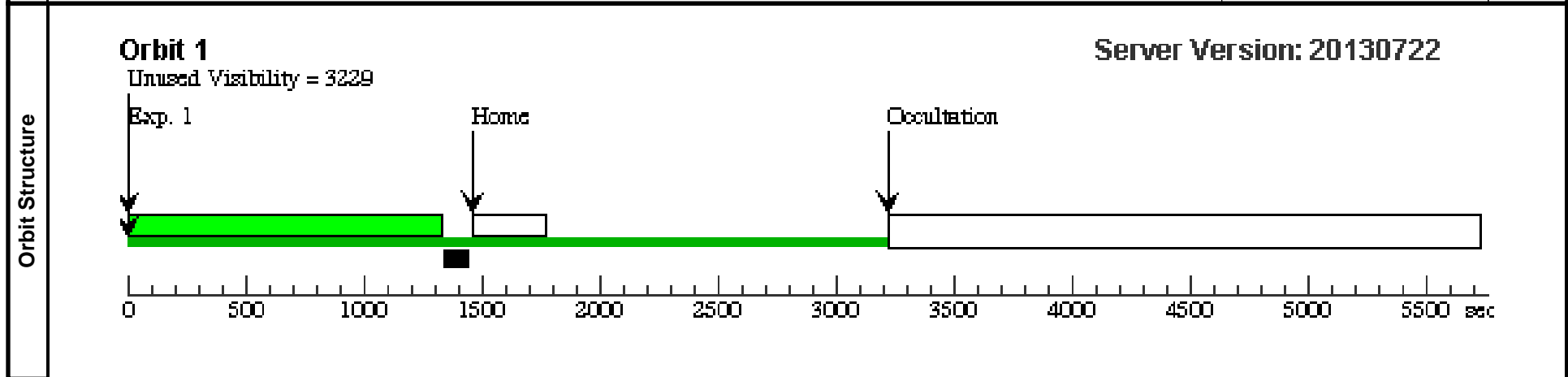


Proposal 13528 - Visit 0A - NUV Detector Dark Monitor

Tue Sep 24 01:54:49 GMT 2013

| | | | | | | | | | | |
|--------------|--|--|--|--|--|--|--|--|--|--|
| Visit | Proposal 13528, Visit 0A, implementation | | | | | | | | | |
| | Diagnostic Status: No Diagnostics | | | | | | | | | |
| | Scientific Instruments: COS/NUV | | | | | | | | | |
| | Special Requirements: AFTER 09 BY 5.5 Orbits TO 8.5 Orbits | | | | | | | | | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|--------|----------------------|------------------------|--------------|----------------------|--------|---------------------------------|----------------------------------|
| | 1 | | DARK | | COS/NUV, TIME-TAG, DEF | DEF | BUFFER-TIME=13 30 | | | 1330.0 Secs (1330 Secs) [==>] |



Proposal 13528 - Visit 0B - NUV Detector Dark Monitor

Tue Sep 24 01:54:49 GMT 2013

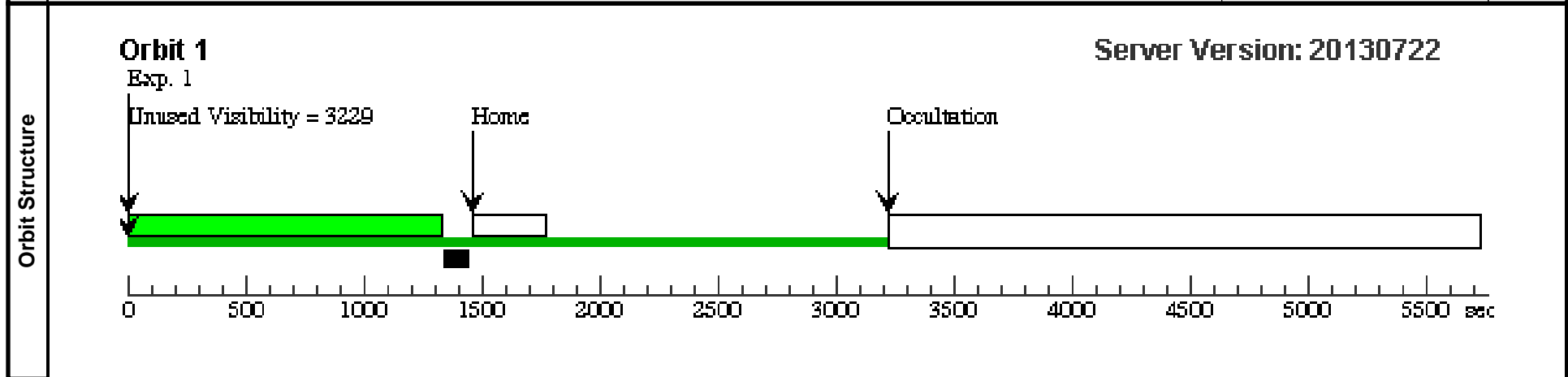
| | | | | | | | | | | |
|------------------------|---|---|-------|------------------------|----------------------|----------------------|--------------|---------------|----------------------------------|---------------------------------|
| Visit | Proposal 13528, Visit 0B, implementation Diagnostic Status: No Diagnostics Scientific Instruments: COS/NUV Special Requirements: BETWEEN 10-JAN-2014:00:00:00 AND 16-JAN-2014:23:59:59 | | | | | | | | | |
| | Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] |
| 1 | | | DARK | COS/NUV, TIME-TAG, DEF | DEF | BUFFER-TIME=13 30 | | | 1330.0 Secs (1330 Secs) [==>] | [1] |
| Orbit Structure | Orbit 1 Server Version: 20130722 Exp. 1 Unused Visibility = 3229 Home Occultation | | | | | | | | | |
| | | | | | | | | | | |

Proposal 13528 - Visit 0C - NUV Detector Dark Monitor

Tue Sep 24 01:54:50 GMT 2013

| | | | | | | | | | | |
|--------------|--|--|--|--|--|--|--|--|--|--|
| Visit | Proposal 13528, Visit 0C, implementation | | | | | | | | | |
| | Diagnostic Status: No Diagnostics | | | | | | | | | |
| | Scientific Instruments: COS/NUV | | | | | | | | | |
| | Special Requirements: AFTER 0B BY 5.5 Orbits TO 8.5 Orbits | | | | | | | | | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|--------|----------------------|------------------------|--------------|----------------------|--------|---------------------------------|-------------------------|
| | 1 | | DARK | | COS/NUV, TIME-TAG, DEF | DEF | BUFFER-TIME=13 30 | | | 1330.0 Secs (1330 Secs) |
| | | | | | | | | | [==>] | [1] |

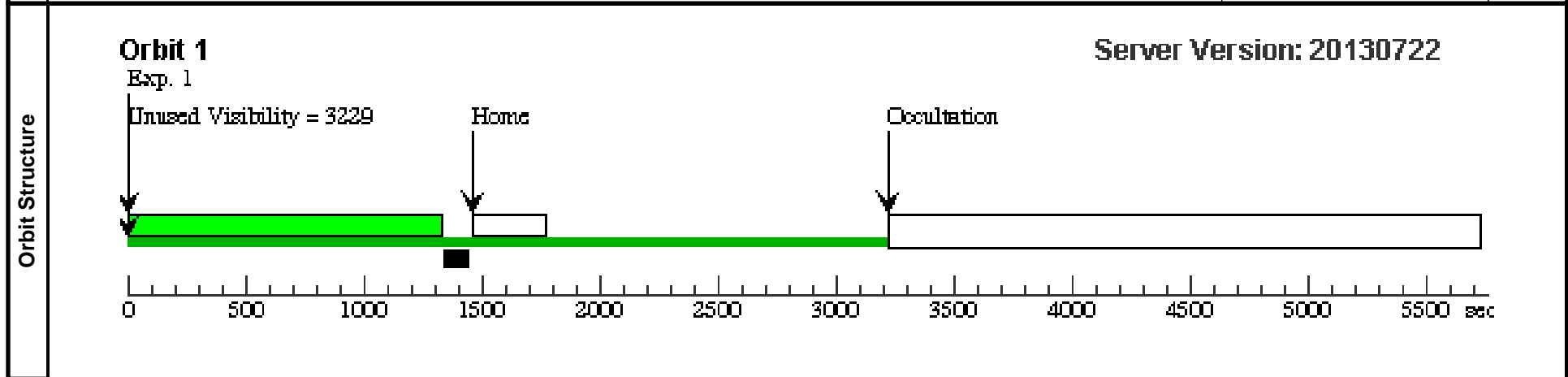


Proposal 13528 - Visit 0D - NUV Detector Dark Monitor

Tue Sep 24 01:54:50 GMT 2013

| | | | | | | | | | | |
|--------------|---|--|--|--|--|--|--|--|--|--|
| Visit | Proposal 13528, Visit 0D, implementation | | | | | | | | | |
| | Diagnostic Status: No Diagnostics | | | | | | | | | |
| | Scientific Instruments: COS/NUV | | | | | | | | | |
| | Special Requirements: BETWEEN 24-JAN-2014:00:00:00 AND 30-JAN-2014:23:59:59 | | | | | | | | | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|--------|----------------------|------------------------|--------------|----------------------|--------|---------------------------------|-------------------------|
| | 1 | | DARK | | COS/NUV, TIME-TAG, DEF | DEF | BUFFER-TIME=13 30 | | | 1330.0 Secs (1330 Secs) |
| | | | | | | | | | [==>] | [1] |

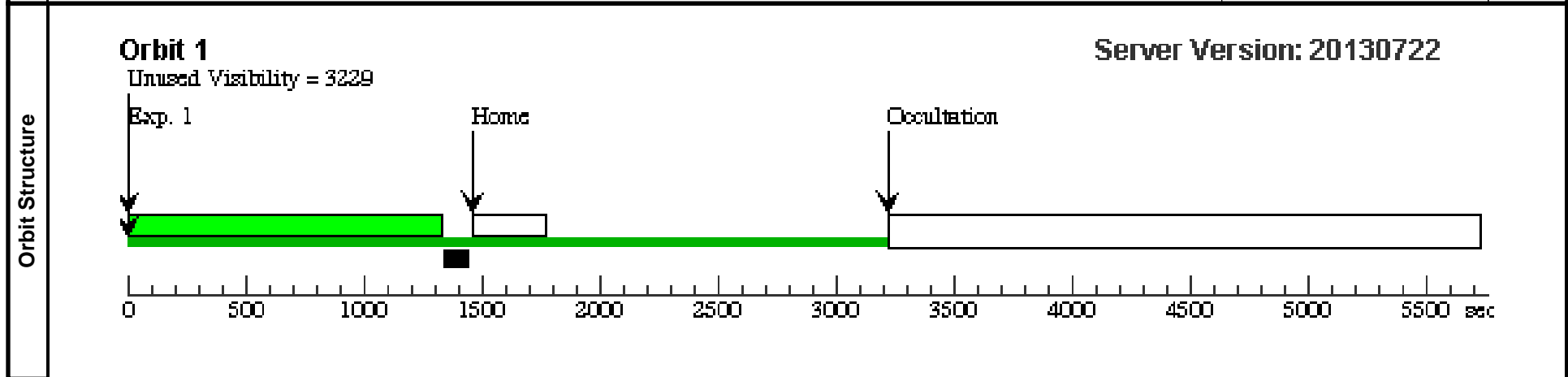


Proposal 13528 - Visit 0E - NUV Detector Dark Monitor

Tue Sep 24 01:54:50 GMT 2013

| | | | | | | | | | | |
|--------------|--|--|--|--|--|--|--|--|--|--|
| Visit | Proposal 13528, Visit 0E, implementation | | | | | | | | | |
| | Diagnostic Status: No Diagnostics | | | | | | | | | |
| | Scientific Instruments: COS/NUV | | | | | | | | | |
| | Special Requirements: AFTER 0D BY 5.5 Orbits TO 8.5 Orbits | | | | | | | | | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|--------|----------------------|------------------------|--------------|----------------------|--------|---------------------------------|----------------------------------|
| | 1 | | DARK | | COS/NUV, TIME-TAG, DEF | DEF | BUFFER-TIME=13 30 | | | 1330.0 Secs (1330 Secs) [==>] |

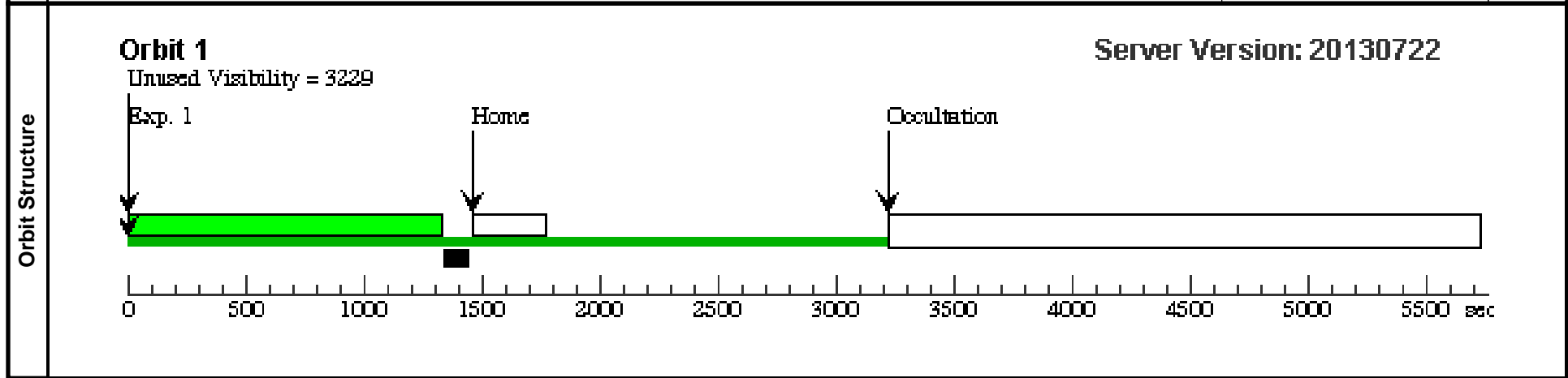


Proposal 13528 - Visit 0F - NUV Detector Dark Monitor

Tue Sep 24 01:54:51 GMT 2013

| | | | | | | | | | | |
|--------------|---|--|--|--|--|--|--|--|--|--|
| Visit | Proposal 13528, Visit 0F, implementation | | | | | | | | | |
| | Diagnostic Status: No Diagnostics | | | | | | | | | |
| | Scientific Instruments: COS/NUV | | | | | | | | | |
| | Special Requirements: BETWEEN 07-FEB-2014:00:00:00 AND 13-FEB-2014:23:59:59 | | | | | | | | | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|--------|----------------------|------------------------|--------------|----------------------|--------|---------------------------------|-------------------------|
| | 1 | | DARK | | COS/NUV, TIME-TAG, DEF | DEF | BUFFER-TIME=13 30 | | | 1330.0 Secs (1330 Secs) |
| | | | | | | | | | [==>] | [1] |

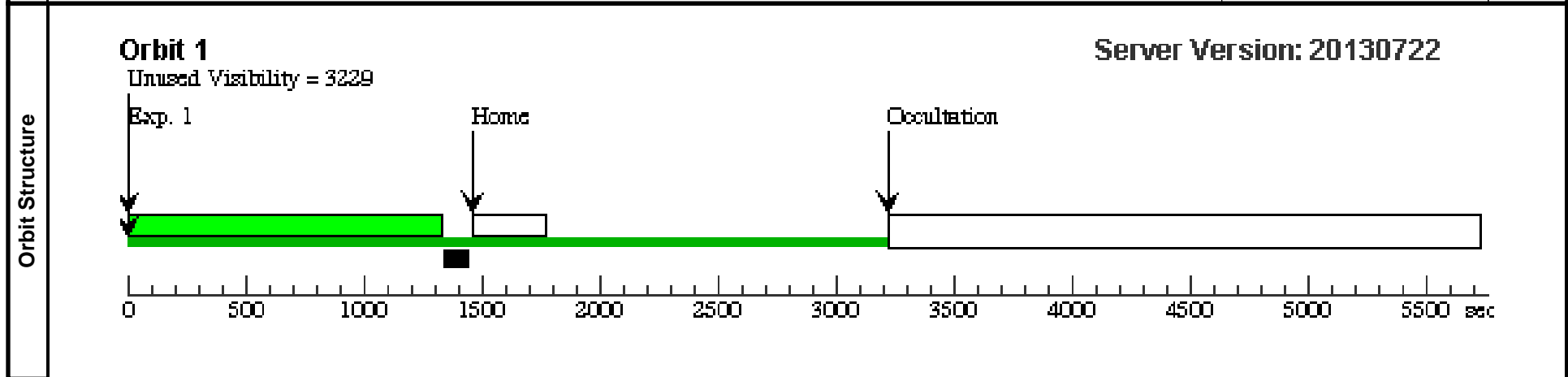


Proposal 13528 - Visit 0G - NUV Detector Dark Monitor

Tue Sep 24 01:54:51 GMT 2013

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|--------------|--|--|--|--|--|--|--|--|--|--|
| Visit | Proposal 13528, Visit 0G, implementation | | | | | | | | | |
| | Diagnostic Status: No Diagnostics | | | | | | | | | |
| | Scientific Instruments: COS/NUV | | | | | | | | | |
| | Special Requirements: AFTER 0F BY 5.5 Orbits TO 8.5 Orbits | | | | | | | | | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|--------|----------------------|------------------------|--------------|----------------------|--------|---------------------------------|----------------------------------|
| | 1 | | DARK | | COS/NUV, TIME-TAG, DEF | DEF | BUFFER-TIME=13 30 | | | 1330.0 Secs (1330 Secs) [==>] |

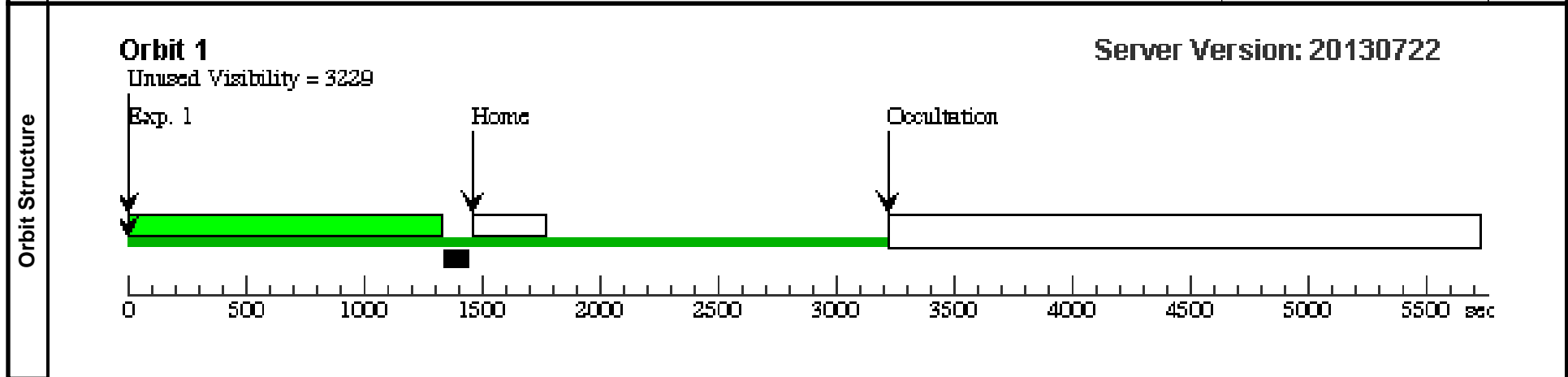


Proposal 13528 - Visit 0H - NUV Detector Dark Monitor

Tue Sep 24 01:54:52 GMT 2013

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|--------------|---|--|--|--|--|--|--|--|--|--|
| Visit | Proposal 13528, Visit 0H, implementation | | | | | | | | | |
| | Diagnostic Status: No Diagnostics | | | | | | | | | |
| | Scientific Instruments: COS/NUV | | | | | | | | | |
| | Special Requirements: BETWEEN 21-FEB-2014:00:00:00 AND 27-FEB-2014:23:59:59 | | | | | | | | | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|--------|----------------------|------------------------|--------------|----------------------|--------|---------------------------------|----------------------------------|
| | 1 | | DARK | | COS/NUV, TIME-TAG, DEF | DEF | BUFFER-TIME=13 30 | | | 1330.0 Secs (1330 Secs) [==>] |

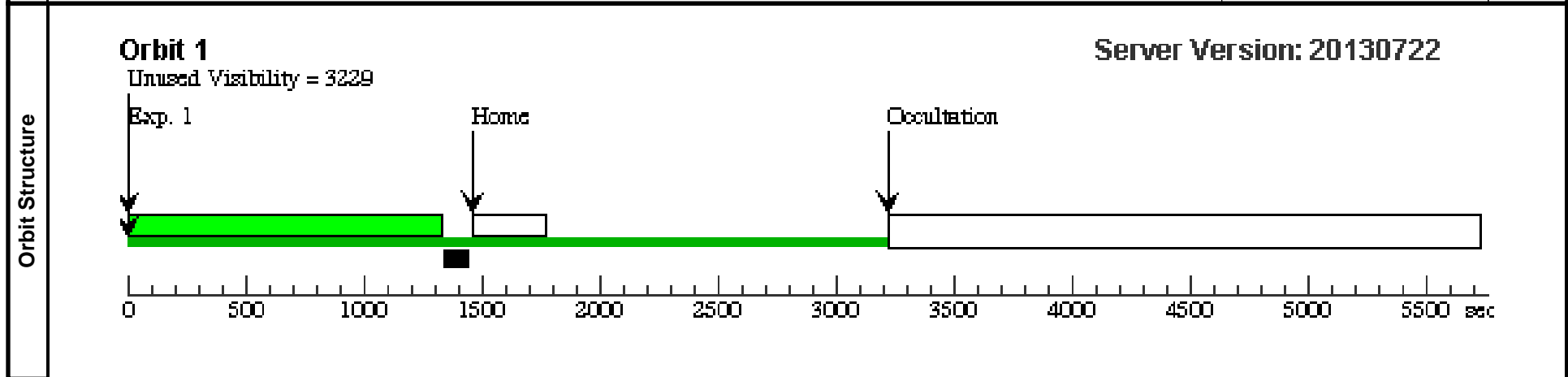


Proposal 13528 - Visit 0I - NUV Detector Dark Monitor

Tue Sep 24 01:54:52 GMT 2013

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|--------------|--|--|--|--|--|--|--|--|--|--|
| Visit | Proposal 13528, Visit 0I, implementation | | | | | | | | | |
| | Diagnostic Status: No Diagnostics | | | | | | | | | |
| | Scientific Instruments: COS/NUV | | | | | | | | | |
| | Special Requirements: AFTER 0H BY 5.5 Orbits TO 8.5 Orbits | | | | | | | | | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|--------|----------------------|------------------------|--------------|----------------------|--------|---------------------------------|-------------------------|
| | 1 | | DARK | | COS/NUV, TIME-TAG, DEF | DEF | BUFFER-TIME=13 30 | | | 1330.0 Secs (1330 Secs) |
| | | | | | | | | | [==>] | [1] |

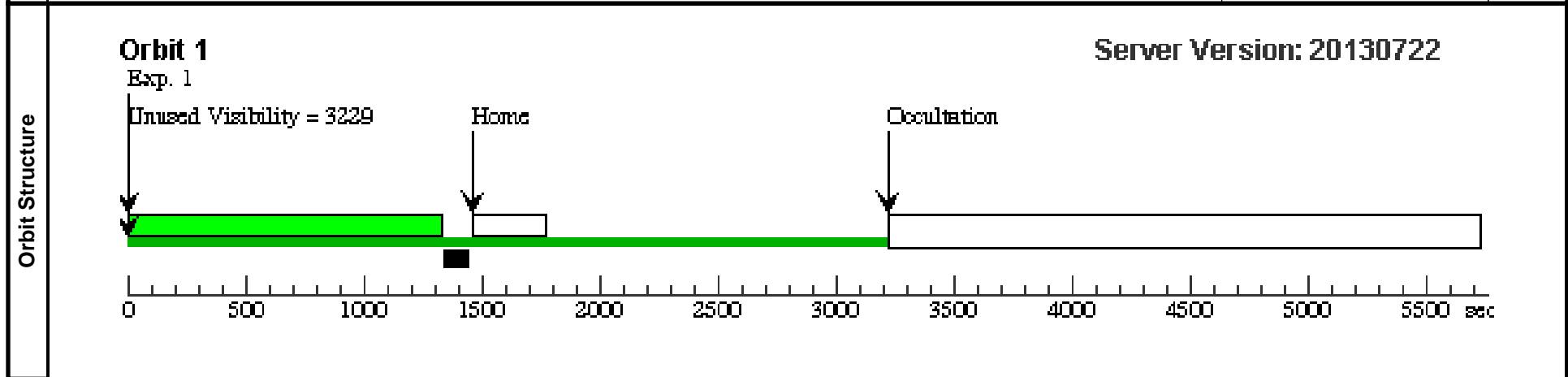


Proposal 13528 - Visit 0J - NUV Detector Dark Monitor

Tue Sep 24 01:54:52 GMT 2013

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|--------------|---|--|--|--|--|--|--|--|--|--|
| Visit | Proposal 13528, Visit 0J, implementation | | | | | | | | | |
| | Diagnostic Status: No Diagnostics | | | | | | | | | |
| | Scientific Instruments: COS/NUV | | | | | | | | | |
| | Special Requirements: BETWEEN 07-MAR-2014:00:00:00 AND 13-MAR-2014:23:59:59 | | | | | | | | | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|--------|----------------------|------------------------|--------------|----------------------|--------|---------------------------------|----------------------------------|
| | 1 | | DARK | | COS/NUV, TIME-TAG, DEF | DEF | BUFFER-TIME=13 30 | | | 1330.0 Secs (1330 Secs) [==>] |

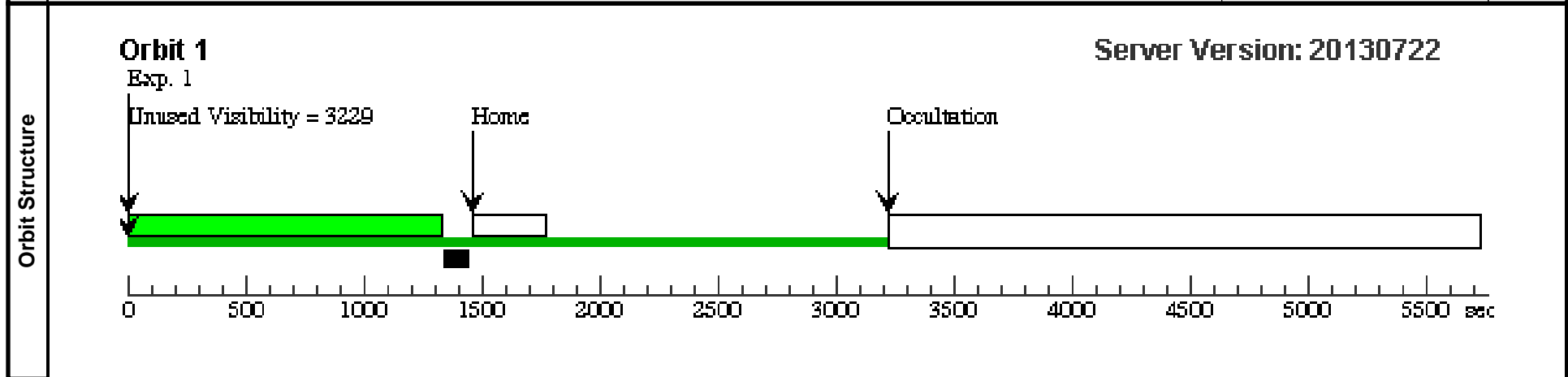


Proposal 13528 - Visit 0K - NUV Detector Dark Monitor

Tue Sep 24 01:54:53 GMT 2013

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|--------------|--|--|--|--|--|--|--|--|--|--|
| Visit | Proposal 13528, Visit 0K, implementation | | | | | | | | | |
| | Diagnostic Status: No Diagnostics | | | | | | | | | |
| | Scientific Instruments: COS/NUV | | | | | | | | | |
| | Special Requirements: AFTER 0J BY 5.5 Orbits TO 8.5 Orbits | | | | | | | | | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|--------|----------------------|------------------------|--------------|----------------------|--------|---------------------------------|----------------------------------|
| | 1 | | DARK | | COS/NUV, TIME-TAG, DEF | DEF | BUFFER-TIME=13 30 | | | 1330.0 Secs (1330 Secs) [==>] |

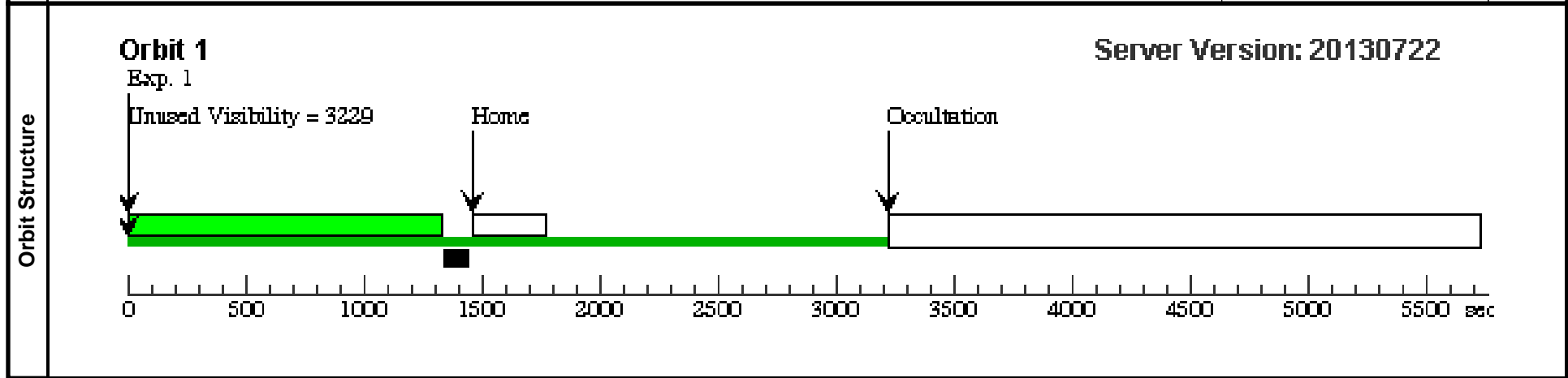


Proposal 13528 - Visit 0L - NUV Detector Dark Monitor

Tue Sep 24 01:54:53 GMT 2013

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|--------------|---|--|--|--|--|--|--|--|--|--|
| Visit | Proposal 13528, Visit 0L, implementation | | | | | | | | | |
| | Diagnostic Status: No Diagnostics | | | | | | | | | |
| | Scientific Instruments: COS/NUV | | | | | | | | | |
| | Special Requirements: BETWEEN 21-MAR-2014:00:00:00 AND 27-MAR-2014:23:59:59 | | | | | | | | | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|--------|----------------------|------------------------|--------------|----------------------|--------|---------------------------------|----------------------------------|
| | 1 | | DARK | | COS/NUV, TIME-TAG, DEF | DEF | BUFFER-TIME=13 30 | | | 1330.0 Secs (1330 Secs) [==>] |

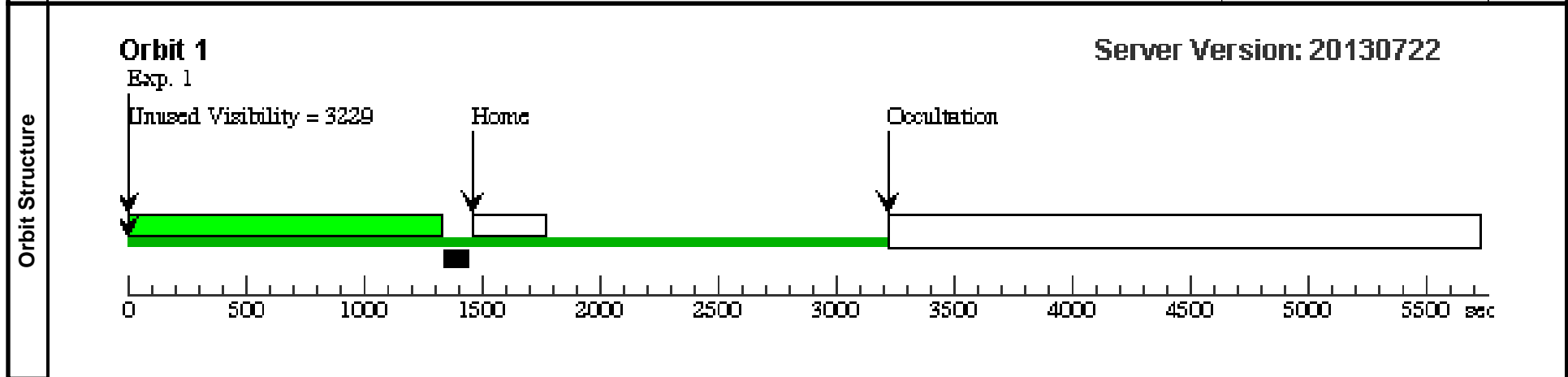


Proposal 13528 - Visit 0M - NUV Detector Dark Monitor

Tue Sep 24 01:54:54 GMT 2013

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|--------------|--|--|--|--|--|--|--|--|--|--|
| Visit | Proposal 13528, Visit 0M, implementation | | | | | | | | | |
| | Diagnostic Status: No Diagnostics | | | | | | | | | |
| | Scientific Instruments: COS/NUV | | | | | | | | | |
| | Special Requirements: AFTER 0L BY 5.5 Orbits TO 8.5 Orbits | | | | | | | | | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|--------|----------------------|------------------------|--------------|----------------------|--------|---------------------------------|----------------------------------|
| | 1 | | DARK | | COS/NUV, TIME-TAG, DEF | DEF | BUFFER-TIME=13 30 | | | 1330.0 Secs (1330 Secs) [==>] |

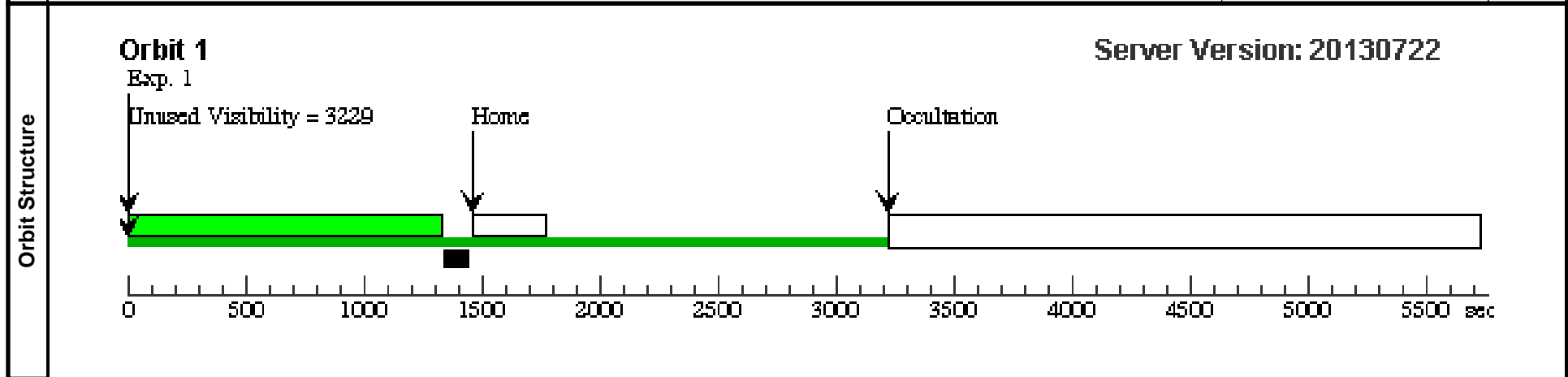


Proposal 13528 - Visit 0N - NUV Detector Dark Monitor

Tue Sep 24 01:54:54 GMT 2013

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|--------------|---|--|--|--|--|--|--|--|--|--|
| Visit | Proposal 13528, Visit 0N, implementation | | | | | | | | | |
| | Diagnostic Status: No Diagnostics | | | | | | | | | |
| | Scientific Instruments: COS/NUV | | | | | | | | | |
| | Special Requirements: BETWEEN 04-APR-2014:00:00:00 AND 10-APR-2014:23:59:59 | | | | | | | | | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|--------|----------------------|------------------------|--------------|----------------------|--------|---------------------------------|----------------------------------|
| | 1 | | DARK | | COS/NUV, TIME-TAG, DEF | DEF | BUFFER-TIME=13 30 | | | 1330.0 Secs (1330 Secs) [==>] |

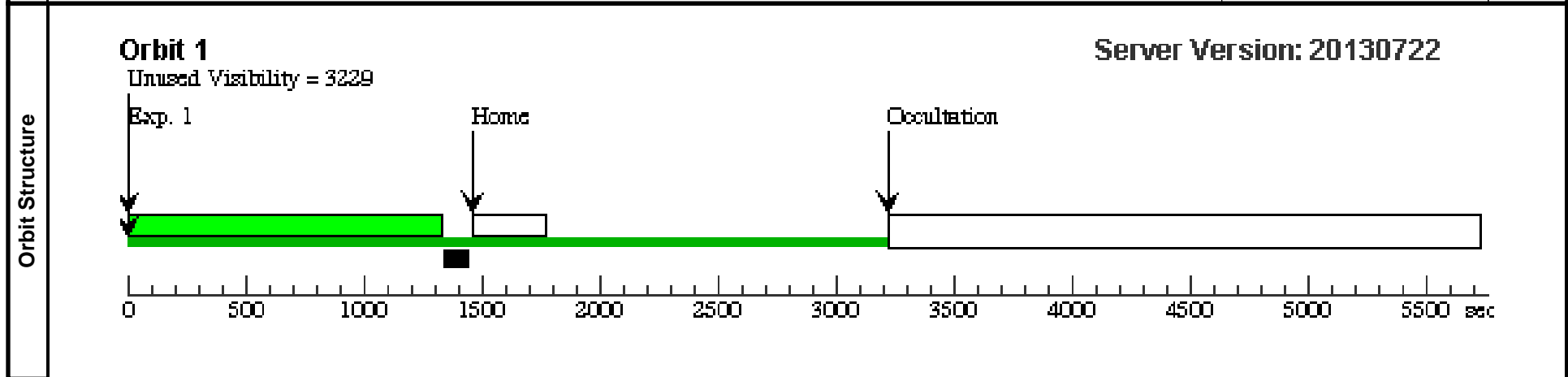


Proposal 13528 - Visit 00 - NUV Detector Dark Monitor

Tue Sep 24 01:54:54 GMT 2013

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|--------------|--|--|--|--|--|--|--|--|--|--|
| Visit | Proposal 13528, Visit 00, implementation | | | | | | | | | |
| | Diagnostic Status: No Diagnostics | | | | | | | | | |
| | Scientific Instruments: COS/NUV | | | | | | | | | |
| | Special Requirements: AFTER ON BY 5.5 Orbits TO 8.5 Orbits | | | | | | | | | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|--------|----------------------|------------------------|--------------|----------------------|--------|---------------------------------|----------------------------------|
| | 1 | | DARK | | COS/NUV, TIME-TAG, DEF | DEF | BUFFER-TIME=13 30 | | | 1330.0 Secs (1330 Secs) [==>] |

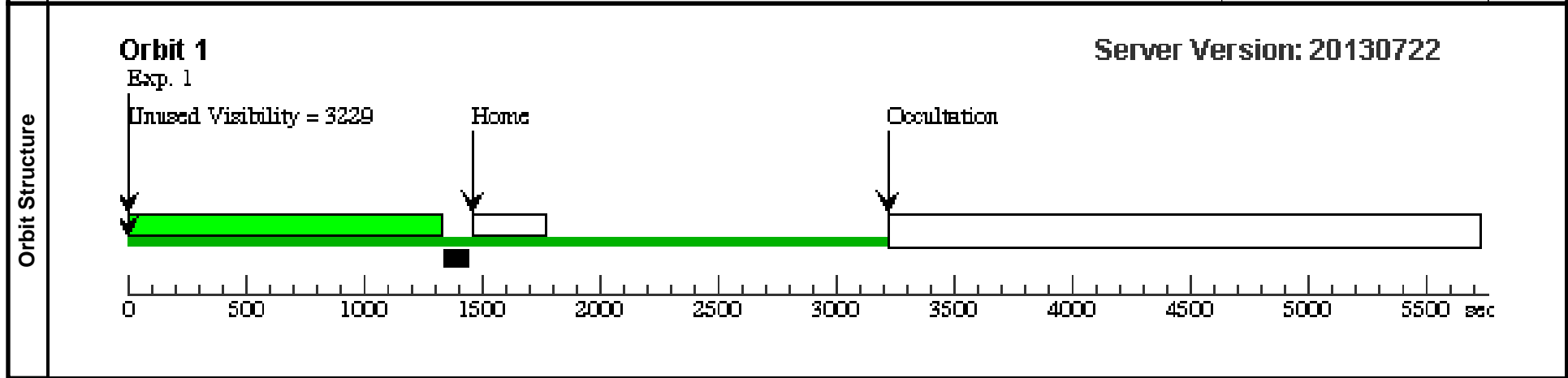


Proposal 13528 - Visit 0P - NUV Detector Dark Monitor

Tue Sep 24 01:54:55 GMT 2013

| | | | | | | | | | | |
|--------------|---|--|--|--|--|--|--|--|--|--|
| Visit | Proposal 13528, Visit 0P, implementation | | | | | | | | | |
| | Diagnostic Status: No Diagnostics | | | | | | | | | |
| | Scientific Instruments: COS/NUV | | | | | | | | | |
| | Special Requirements: BETWEEN 18-APR-2014:00:00:00 AND 24-APR-2014:23:59:59 | | | | | | | | | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|--------|----------------------|------------------------|--------------|----------------------|--------|---------------------------------|-------------------------|
| | 1 | | DARK | | COS/NUV, TIME-TAG, DEF | DEF | BUFFER-TIME=13 30 | | | 1330.0 Secs (1330 Secs) |
| | | | | | | | | | [==>] | [1] |

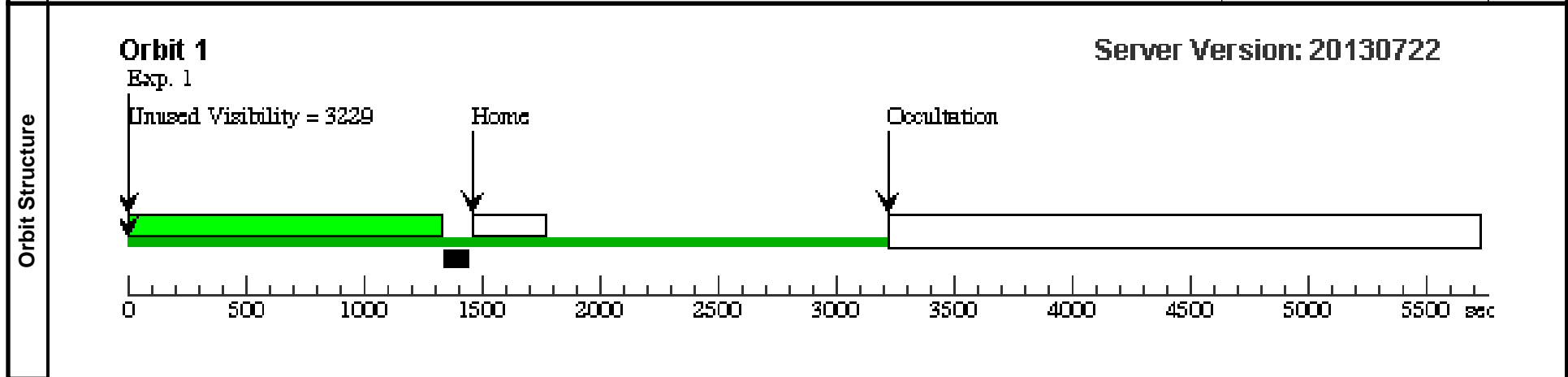


Proposal 13528 - Visit 0Q - NUV Detector Dark Monitor

Tue Sep 24 01:54:55 GMT 2013

| | | | | | | | | | | |
|--------------|--|--|--|--|--|--|--|--|--|--|
| Visit | Proposal 13528, Visit 0Q, implementation | | | | | | | | | |
| | Diagnostic Status: No Diagnostics | | | | | | | | | |
| | Scientific Instruments: COS/NUV | | | | | | | | | |
| | Special Requirements: AFTER OP BY 5.5 Orbits TO 8.5 Orbits | | | | | | | | | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|--------|----------------------|------------------------|--------------|----------------------|--------|---------------------------------|-------------------------|
| | 1 | | DARK | | COS/NUV, TIME-TAG, DEF | DEF | BUFFER-TIME=13 30 | | | 1330.0 Secs (1330 Secs) |
| | | | | | | | | | [==>] | [1] |

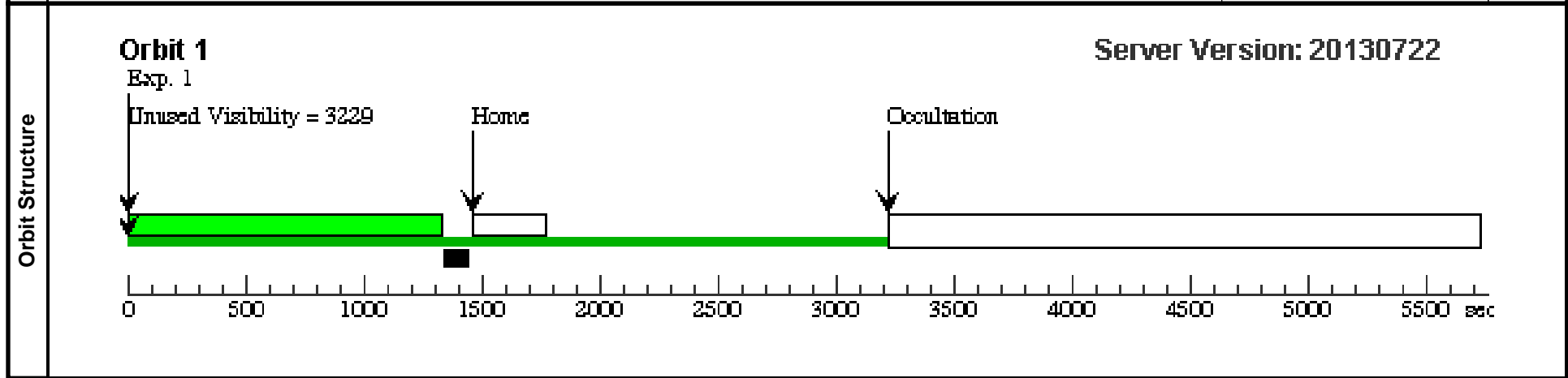


Proposal 13528 - Visit 0R - NUV Detector Dark Monitor

Tue Sep 24 01:54:55 GMT 2013

| | | | | | | | | | | |
|--------------|---|--|--|--|--|--|--|--|--|--|
| Visit | Proposal 13528, Visit 0R, implementation | | | | | | | | | |
| | Diagnostic Status: No Diagnostics | | | | | | | | | |
| | Scientific Instruments: COS/NUV | | | | | | | | | |
| | Special Requirements: BETWEEN 02-MAY-2014:00:00:00 AND 08-MAY-2014:23:59:59 | | | | | | | | | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|--------|----------------------|------------------------|--------------|----------------------|--------|---------------------------------|----------------------------------|
| | 1 | | DARK | | COS/NUV, TIME-TAG, DEF | DEF | BUFFER-TIME=13 30 | | | 1330.0 Secs (1330 Secs) [==>] |

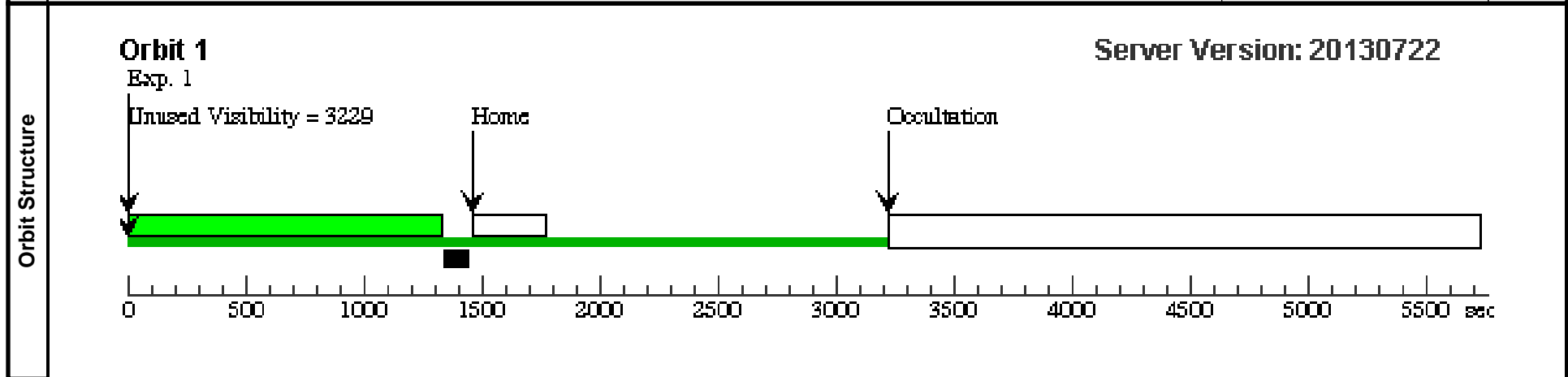


Proposal 13528 - Visit 0S - NUV Detector Dark Monitor

Tue Sep 24 01:54:56 GMT 2013

| | | | | | | | | | | |
|--------------|--|--|--|--|--|--|--|--|--|--|
| Visit | Proposal 13528, Visit 0S, implementation | | | | | | | | | |
| | Diagnostic Status: No Diagnostics | | | | | | | | | |
| | Scientific Instruments: COS/NUV | | | | | | | | | |
| | Special Requirements: AFTER OR BY 5.5 Orbits TO 8.5 Orbits | | | | | | | | | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|--------|----------------------|------------------------|--------------|----------------------|--------|---------------------------------|-------------------------|
| | 1 | | DARK | | COS/NUV, TIME-TAG, DEF | DEF | BUFFER-TIME=13 30 | | | 1330.0 Secs (1330 Secs) |
| | | | | | | | | | [==>] | [1] |

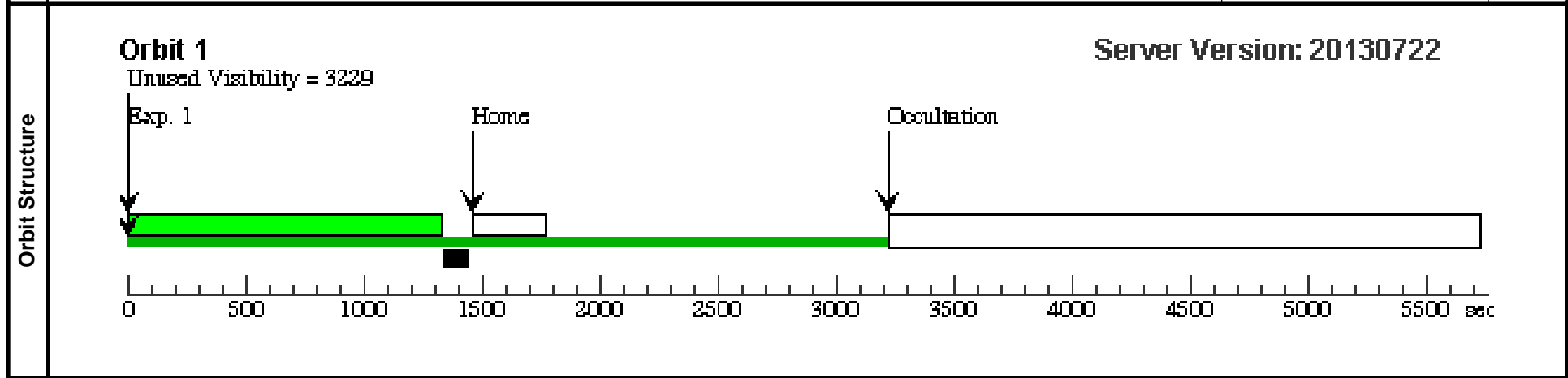


Proposal 13528 - Visit 0T - NUV Detector Dark Monitor

Tue Sep 24 01:54:56 GMT 2013

| | | | | | | | | | | |
|--------------|---|--|--|--|--|--|--|--|--|--|
| Visit | Proposal 13528, Visit 0T, implementation | | | | | | | | | |
| | Diagnostic Status: No Diagnostics | | | | | | | | | |
| | Scientific Instruments: COS/NUV | | | | | | | | | |
| | Special Requirements: BETWEEN 16-MAY-2014:00:00:00 AND 22-MAY-2014:23:59:59 | | | | | | | | | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|--------|----------------------|------------------------|--------------|----------------------|--------|---------------------------------|-------------------------|
| | 1 | | DARK | | COS/NUV, TIME-TAG, DEF | DEF | BUFFER-TIME=13 30 | | | 1330.0 Secs (1330 Secs) |
| | | | | | | | | | [==>] | [1] |

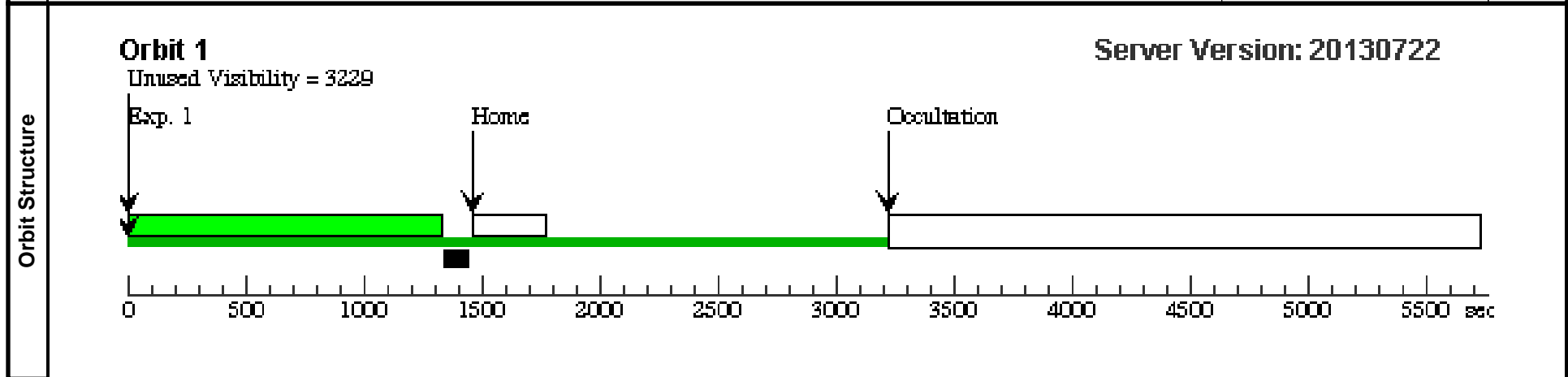


Proposal 13528 - Visit 0U - NUV Detector Dark Monitor

Tue Sep 24 01:54:57 GMT 2013

| | | | | | | | | | | |
|--------------|--|--|--|--|--|--|--|--|--|--|
| Visit | Proposal 13528, Visit 0U, implementation | | | | | | | | | |
| | Diagnostic Status: No Diagnostics | | | | | | | | | |
| | Scientific Instruments: COS/NUV | | | | | | | | | |
| | Special Requirements: AFTER OT BY 5.5 Orbits TO 8.5 Orbits | | | | | | | | | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|--------|----------------------|------------------------|--------------|----------------------|--------|---------------------------------|----------------------------------|
| | 1 | | DARK | | COS/NUV, TIME-TAG, DEF | DEF | BUFFER-TIME=13 30 | | | 1330.0 Secs (1330 Secs) [==>] |

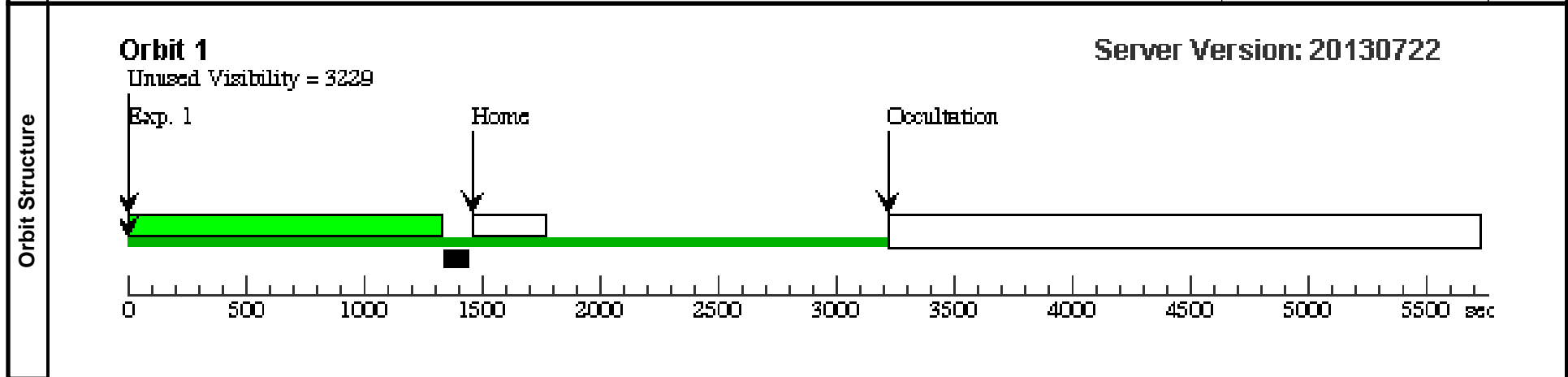


Proposal 13528 - Visit 0V - NUV Detector Dark Monitor

Tue Sep 24 01:54:57 GMT 2013

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|--------------|---|--|--|--|--|--|--|--|--|--|
| Visit | Proposal 13528, Visit 0V, implementation | | | | | | | | | |
| | Diagnostic Status: No Diagnostics | | | | | | | | | |
| | Scientific Instruments: COS/NUV | | | | | | | | | |
| | Special Requirements: BETWEEN 30-MAY-2014:00:00:00 AND 05-JUN-2014:23:59:59 | | | | | | | | | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|--------|----------------------|------------------------|--------------|----------------------|--------|---------------------------------|----------------------------------|
| | 1 | | DARK | | COS/NUV, TIME-TAG, DEF | DEF | BUFFER-TIME=13 30 | | | 1330.0 Secs (1330 Secs) [==>] |

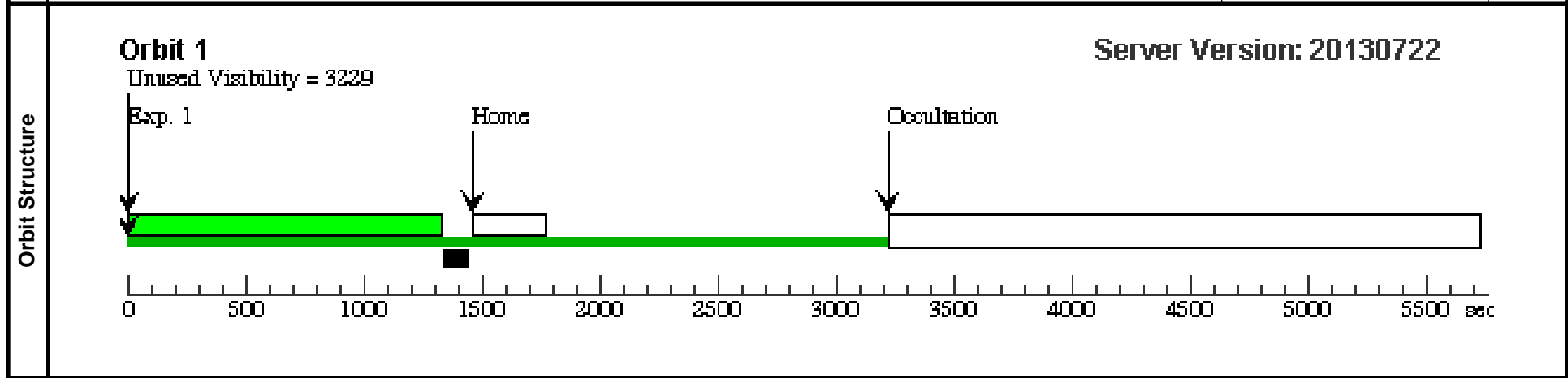


Proposal 13528 - Visit 0W - NUV Detector Dark Monitor

Tue Sep 24 01:54:57 GMT 2013

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|--------------|--|--|--|--|--|--|--|--|--|--|
| Visit | Proposal 13528, Visit 0W, implementation | | | | | | | | | |
| | Diagnostic Status: No Diagnostics | | | | | | | | | |
| | Scientific Instruments: COS/NUV | | | | | | | | | |
| | Special Requirements: AFTER 0V BY 5.5 Orbits TO 8.5 Orbits | | | | | | | | | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|--------|----------------------|------------------------|--------------|----------------------|--------|---------------------------------|-------------------------|
| | 1 | | DARK | | COS/NUV, TIME-TAG, DEF | DEF | BUFFER-TIME=13 30 | | | 1330.0 Secs (1330 Secs) |
| | | | | | | | | | [==>] | [1] |

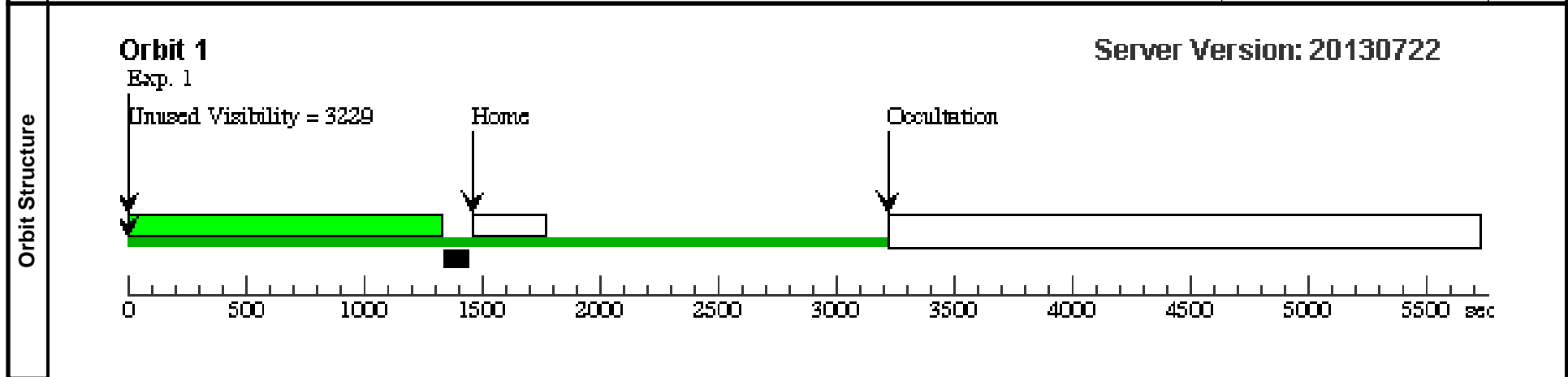


Proposal 13528 - Visit 0X - NUV Detector Dark Monitor

Tue Sep 24 01:54:58 GMT 2013

| | | | | | | | | | | |
|--------------|---|--|--|--|--|--|--|--|--|--|
| Visit | Proposal 13528, Visit 0X, implementation | | | | | | | | | |
| | Diagnostic Status: No Diagnostics | | | | | | | | | |
| | Scientific Instruments: COS/NUV | | | | | | | | | |
| | Special Requirements: BETWEEN 13-JUN-2014:00:00:00 AND 19-JUN-2014:23:59:59 | | | | | | | | | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|--------|----------------------|------------------------|--------------|----------------------|--------|---------------------------------|----------------------------------|
| | 1 | | DARK | | COS/NUV, TIME-TAG, DEF | DEF | BUFFER-TIME=13 30 | | | 1330.0 Secs (1330 Secs) [==>] |

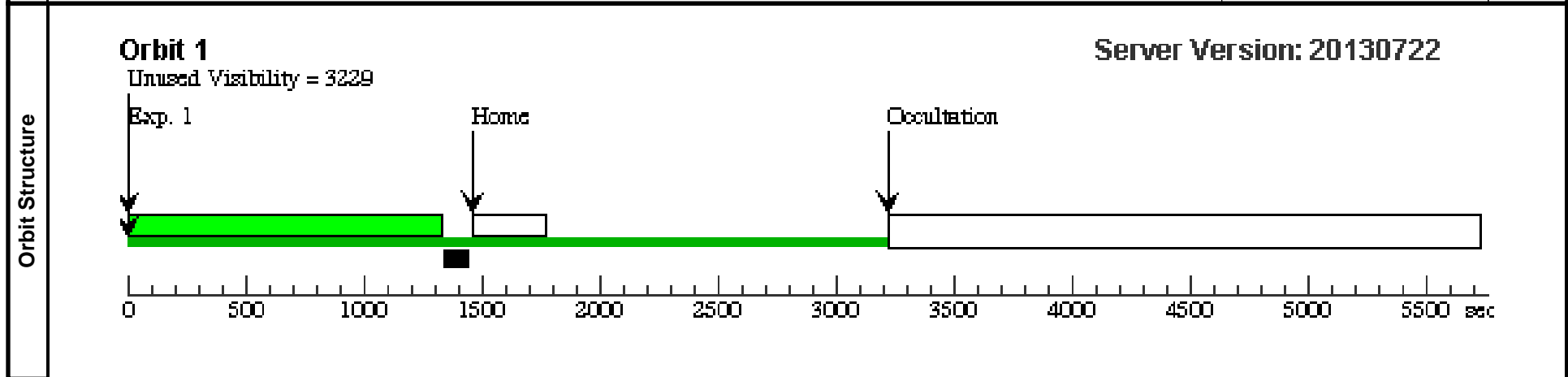


Proposal 13528 - Visit 0Y - NUV Detector Dark Monitor

Tue Sep 24 01:54:58 GMT 2013

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|--------------|--|--|--|--|--|--|--|--|--|--|
| Visit | Proposal 13528, Visit 0Y, implementation | | | | | | | | | |
| | Diagnostic Status: No Diagnostics | | | | | | | | | |
| | Scientific Instruments: COS/NUV | | | | | | | | | |
| | Special Requirements: AFTER 0X BY 5.5 Orbits TO 8.5 Orbits | | | | | | | | | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|--------|----------------------|------------------------|--------------|----------------------|--------|---------------------------------|----------------------------------|
| | 1 | | DARK | | COS/NUV, TIME-TAG, DEF | DEF | BUFFER-TIME=13 30 | | | 1330.0 Secs (1330 Secs) [==>] |

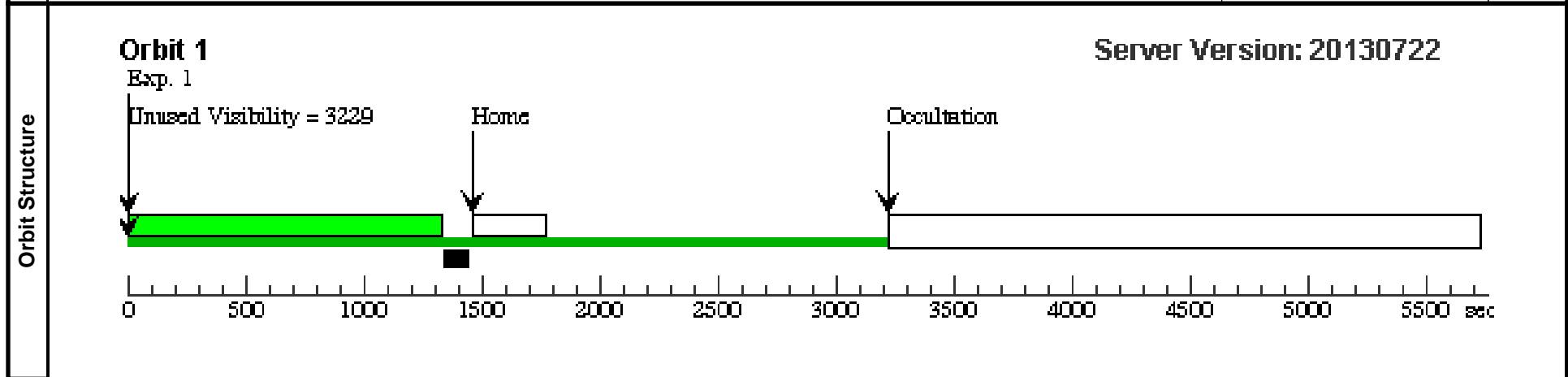


Proposal 13528 - Visit 0Z - NUV Detector Dark Monitor

Tue Sep 24 01:54:58 GMT 2013

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|--------------|---|--|--|--|--|--|--|--|--|--|
| Visit | Proposal 13528, Visit 0Z, implementation | | | | | | | | | |
| | Diagnostic Status: No Diagnostics | | | | | | | | | |
| | Scientific Instruments: COS/NUV | | | | | | | | | |
| | Special Requirements: BETWEEN 27-JUN-2014:00:00:00 AND 03-JUL-2014:23:59:59 | | | | | | | | | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|--------|----------------------|------------------------|--------------|----------------------|--------|---------------------------------|----------------------------------|
| | 1 | | DARK | | COS/NUV, TIME-TAG, DEF | DEF | BUFFER-TIME=13 30 | | | 1330.0 Secs (1330 Secs) [==>] |

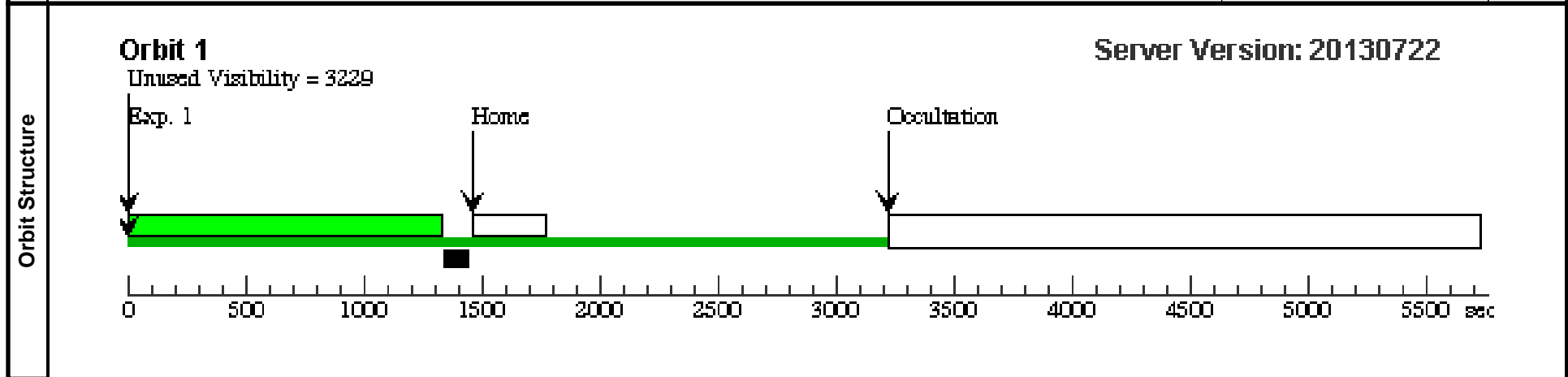


Proposal 13528 - Visit 10 - NUV Detector Dark Monitor

Tue Sep 24 01:54:59 GMT 2013

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|--------------|--|--|--|--|--|--|--|--|--|--|
| Visit | Proposal 13528, Visit 10, implementation | | | | | | | | | |
| | Diagnostic Status: No Diagnostics | | | | | | | | | |
| | Scientific Instruments: COS/NUV | | | | | | | | | |
| | Special Requirements: AFTER 0Z BY 5.5 Orbits TO 8.5 Orbits | | | | | | | | | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|--------|----------------------|------------------------|--------------|----------------------|--------|---------------------------------|----------------------------------|
| | 1 | | DARK | | COS/NUV, TIME-TAG, DEF | DEF | BUFFER-TIME=13 30 | | | 1330.0 Secs (1330 Secs) [==>] |

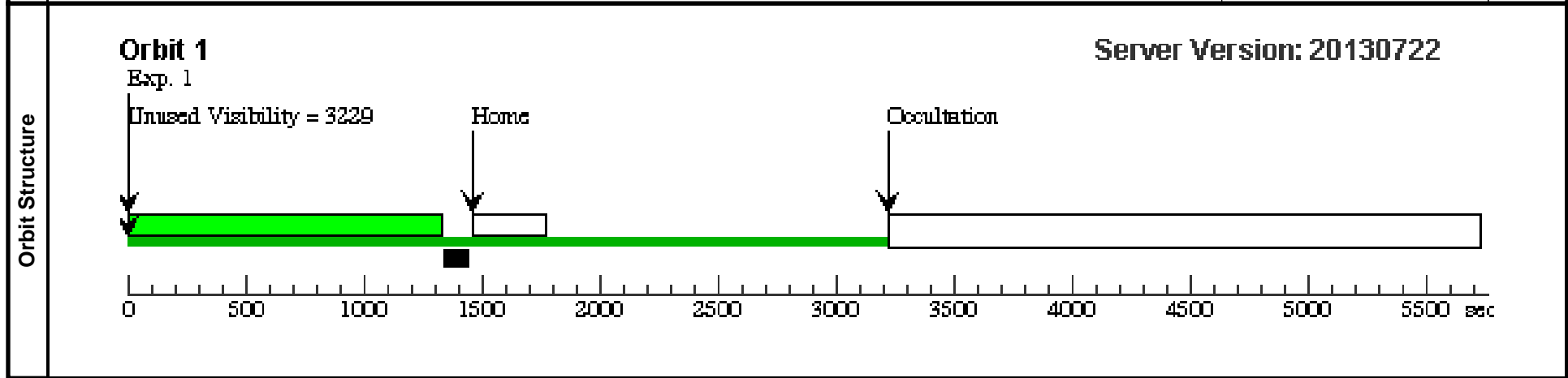


Proposal 13528 - Visit 11 - NUV Detector Dark Monitor

Tue Sep 24 01:54:59 GMT 2013

| | | | | | | | | | | |
|--------------|---|--|--|--|--|--|--|--|--|--|
| Visit | Proposal 13528, Visit 11, implementation | | | | | | | | | |
| | Diagnostic Status: No Diagnostics | | | | | | | | | |
| | Scientific Instruments: COS/NUV | | | | | | | | | |
| | Special Requirements: BETWEEN 11-JUL-2014:00:00:00 AND 17-JUL-2014:23:59:59 | | | | | | | | | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|--------|----------------------|------------------------|--------------|----------------------|--------|---------------------------------|-------------------------|
| | 1 | | DARK | | COS/NUV, TIME-TAG, DEF | DEF | BUFFER-TIME=13 30 | | | 1330.0 Secs (1330 Secs) |
| | | | | | | | | | [==>] | [1] |

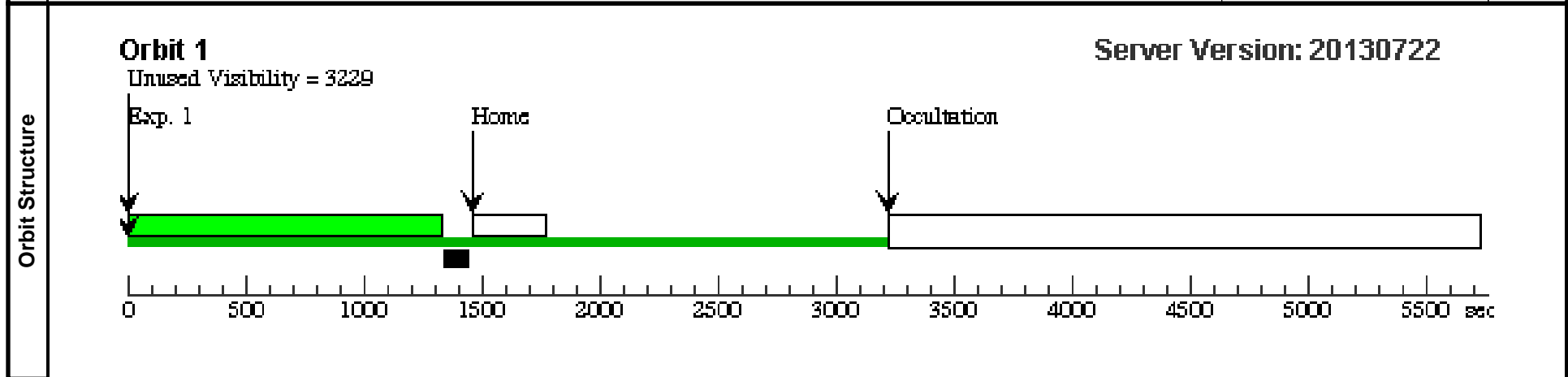


Proposal 13528 - Visit 12 - NUV Detector Dark Monitor

Tue Sep 24 01:54:59 GMT 2013

| | | | | | | | | | | |
|--------------|--|--|--|--|--|--|--|--|--|--|
| Visit | Proposal 13528, Visit 12, implementation | | | | | | | | | |
| | Diagnostic Status: No Diagnostics | | | | | | | | | |
| | Scientific Instruments: COS/NUV | | | | | | | | | |
| | Special Requirements: AFTER 11 BY 5.5 Orbits TO 8.5 Orbits | | | | | | | | | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|--------|----------------------|------------------------|--------------|----------------------|--------|---------------------------------|-------------------------|
| | 1 | | DARK | | COS/NUV, TIME-TAG, DEF | DEF | BUFFER-TIME=13 30 | | | 1330.0 Secs (1330 Secs) |
| | | | | | | | | | [==>] | [1] |

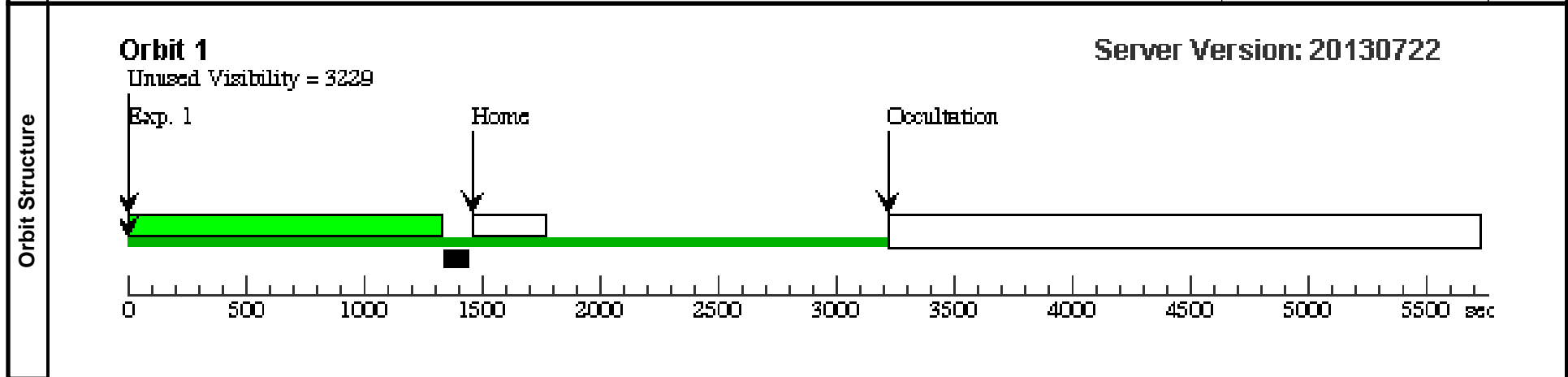


Proposal 13528 - Visit 13 - NUV Detector Dark Monitor

Tue Sep 24 01:55:00 GMT 2013

| | | | | | | | | | | |
|--------------|---|--|--|--|--|--|--|--|--|--|
| Visit | Proposal 13528, Visit 13, implementation | | | | | | | | | |
| | Diagnostic Status: No Diagnostics | | | | | | | | | |
| | Scientific Instruments: COS/NUV | | | | | | | | | |
| | Special Requirements: BETWEEN 25-JUL-2014:00:00:00 AND 31-JUL-2014:23:59:59 | | | | | | | | | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|--------|----------------------|------------------------|--------------|----------------------|--------|---------------------------------|----------------------------------|
| | 1 | | DARK | | COS/NUV, TIME-TAG, DEF | DEF | BUFFER-TIME=13 30 | | | 1330.0 Secs (1330 Secs) [==>] |

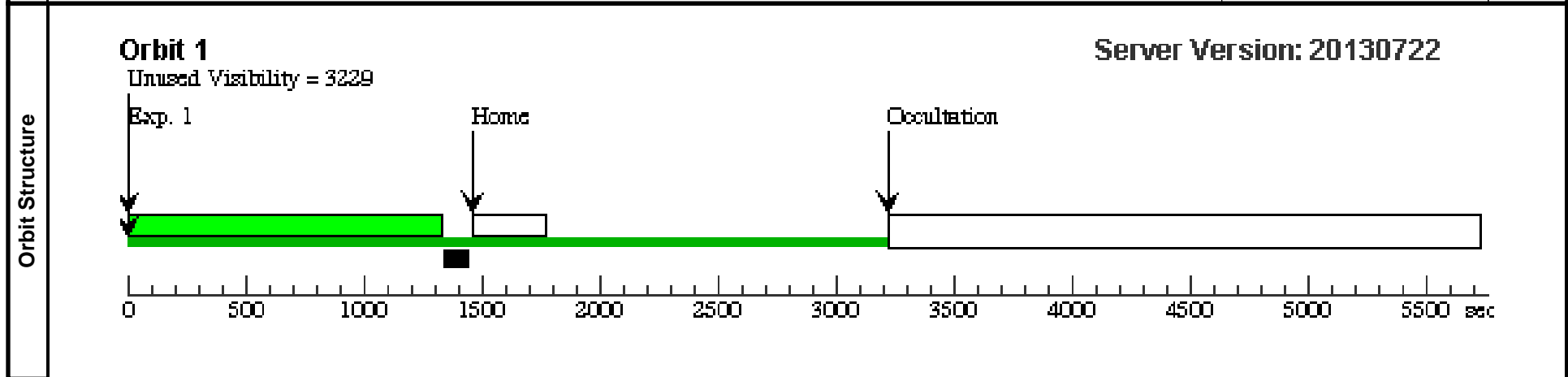


Proposal 13528 - Visit 14 - NUV Detector Dark Monitor

Tue Sep 24 01:55:00 GMT 2013

| | | | | | | | | | | |
|--------------|--|--|--|--|--|--|--|--|--|--|
| Visit | Proposal 13528, Visit 14, implementation | | | | | | | | | |
| | Diagnostic Status: No Diagnostics | | | | | | | | | |
| | Scientific Instruments: COS/NUV | | | | | | | | | |
| | Special Requirements: AFTER 13 BY 5.5 Orbits TO 8.5 Orbits | | | | | | | | | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|--------|----------------------|------------------------|--------------|----------------------|--------|---------------------------------|-------------------------|
| | 1 | | DARK | | COS/NUV, TIME-TAG, DEF | DEF | BUFFER-TIME=13 30 | | | 1330.0 Secs (1330 Secs) |
| | | | | | | | | | [==>] | [1] |

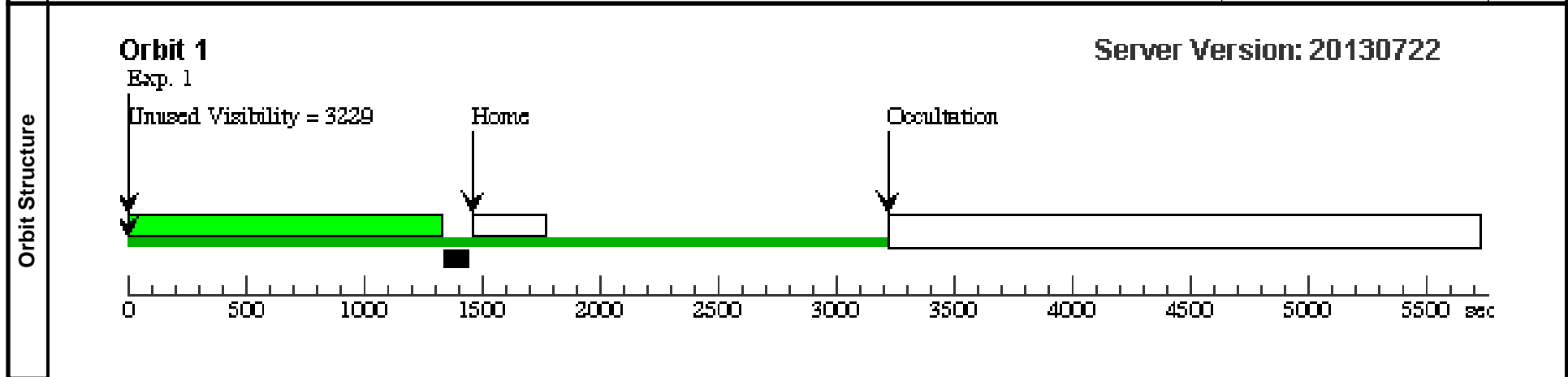


Proposal 13528 - Visit 15 - NUV Detector Dark Monitor

Tue Sep 24 01:55:00 GMT 2013

| | | | | | | | | | | |
|--------------|---|--|--|--|--|--|--|--|--|--|
| Visit | Proposal 13528, Visit 15, implementation | | | | | | | | | |
| | Diagnostic Status: No Diagnostics | | | | | | | | | |
| | Scientific Instruments: COS/NUV | | | | | | | | | |
| | Special Requirements: BETWEEN 08-AUG-2014:00:00:00 AND 14-AUG-2014:23:59:59 | | | | | | | | | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|--------|----------------------|------------------------|--------------|----------------------|--------|---------------------------------|----------------------------------|
| | 1 | | DARK | | COS/NUV, TIME-TAG, DEF | DEF | BUFFER-TIME=13 30 | | | 1330.0 Secs (1330 Secs) [==>] |

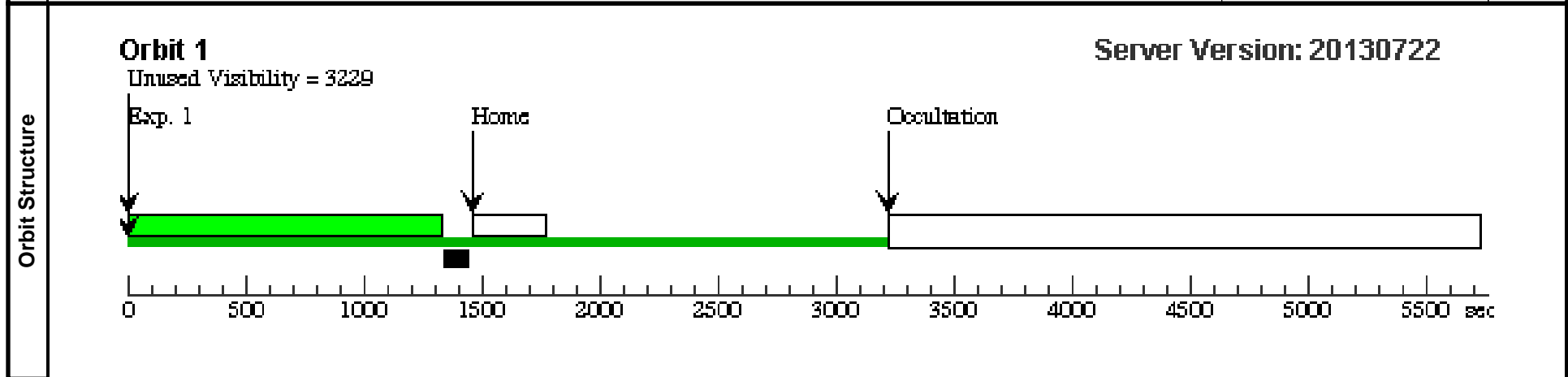


Proposal 13528 - Visit 16 - NUV Detector Dark Monitor

Tue Sep 24 01:55:01 GMT 2013

| | | | | | | | | | | |
|--------------|--|--|--|--|--|--|--|--|--|--|
| Visit | Proposal 13528, Visit 16, implementation | | | | | | | | | |
| | Diagnostic Status: No Diagnostics | | | | | | | | | |
| | Scientific Instruments: COS/NUV | | | | | | | | | |
| | Special Requirements: AFTER 15 BY 5.5 Orbits TO 8.5 Orbits | | | | | | | | | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|--------|----------------------|------------------------|--------------|----------------------|--------|---------------------------------|----------------------------------|
| | 1 | | DARK | | COS/NUV, TIME-TAG, DEF | DEF | BUFFER-TIME=13 30 | | | 1330.0 Secs (1330 Secs) [==>] |

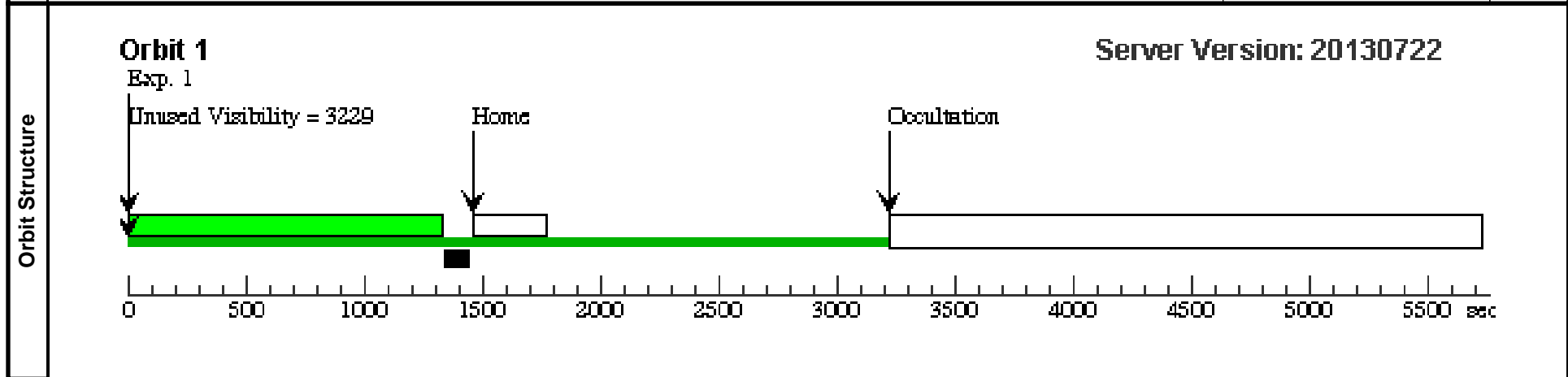


Proposal 13528 - Visit 17 - NUV Detector Dark Monitor

Tue Sep 24 01:55:01 GMT 2013

| | | | | | | | | | | |
|--------------|---|--|--|--|--|--|--|--|--|--|
| Visit | Proposal 13528, Visit 17, implementation | | | | | | | | | |
| | Diagnostic Status: No Diagnostics | | | | | | | | | |
| | Scientific Instruments: COS/NUV | | | | | | | | | |
| | Special Requirements: BETWEEN 22-AUG-2014:00:00:00 AND 28-AUG-2014:23:59:59 | | | | | | | | | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|--------|----------------------|------------------------|--------------|----------------------|--------|---------------------------------|----------------------------------|
| | 1 | | DARK | | COS/NUV, TIME-TAG, DEF | DEF | BUFFER-TIME=13 30 | | | 1330.0 Secs (1330 Secs) [==>] |

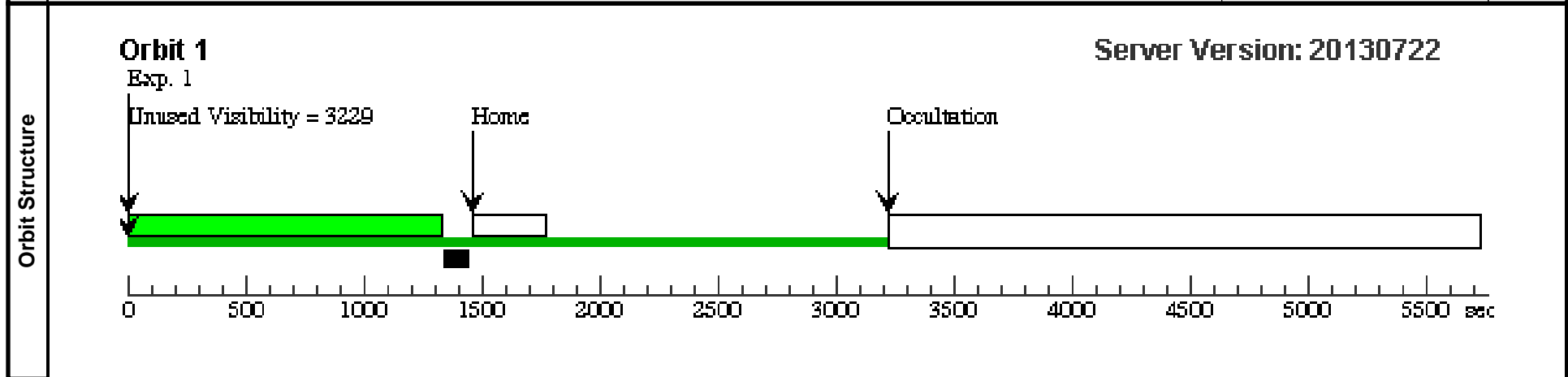


Proposal 13528 - Visit 18 - NUV Detector Dark Monitor

Tue Sep 24 01:55:01 GMT 2013

| | | | | | | | | | | |
|--------------|--|--|--|--|--|--|--|--|--|--|
| Visit | Proposal 13528, Visit 18, implementation | | | | | | | | | |
| | Diagnostic Status: No Diagnostics | | | | | | | | | |
| | Scientific Instruments: COS/NUV | | | | | | | | | |
| | Special Requirements: AFTER 17 BY 5.5 Orbits TO 8.5 Orbits | | | | | | | | | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|--------|----------------------|------------------------|--------------|----------------------|--------|---------------------------------|-------------------------|
| | 1 | | DARK | | COS/NUV, TIME-TAG, DEF | DEF | BUFFER-TIME=13 30 | | | 1330.0 Secs (1330 Secs) |
| | | | | | | | | | [==>] | [1] |

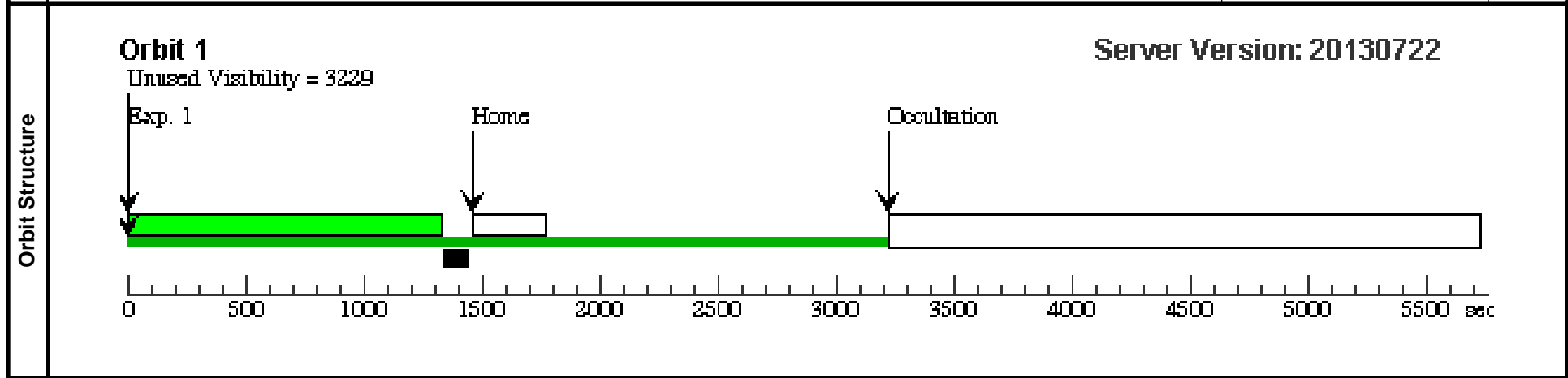


Proposal 13528 - Visit 19 - NUV Detector Dark Monitor

Tue Sep 24 01:55:01 GMT 2013

| | | | | | | | | | | |
|--------------|---|--|--|--|--|--|--|--|--|--|
| Visit | Proposal 13528, Visit 19, implementation | | | | | | | | | |
| | Diagnostic Status: No Diagnostics | | | | | | | | | |
| | Scientific Instruments: COS/NUV | | | | | | | | | |
| | Special Requirements: BETWEEN 05-SEP-2014:00:00:00 AND 11-SEP-2014:23:59:59 | | | | | | | | | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|--------|----------------------|------------------------|--------------|----------------------|--------|---------------------------------|----------------------------------|
| | 1 | | DARK | | COS/NUV, TIME-TAG, DEF | DEF | BUFFER-TIME=13 30 | | | 1330.0 Secs (1330 Secs) [==>] |



Proposal 13528 - Visit 1A - NUV Detector Dark Monitor

Tue Sep 24 01:55:02 GMT 2013

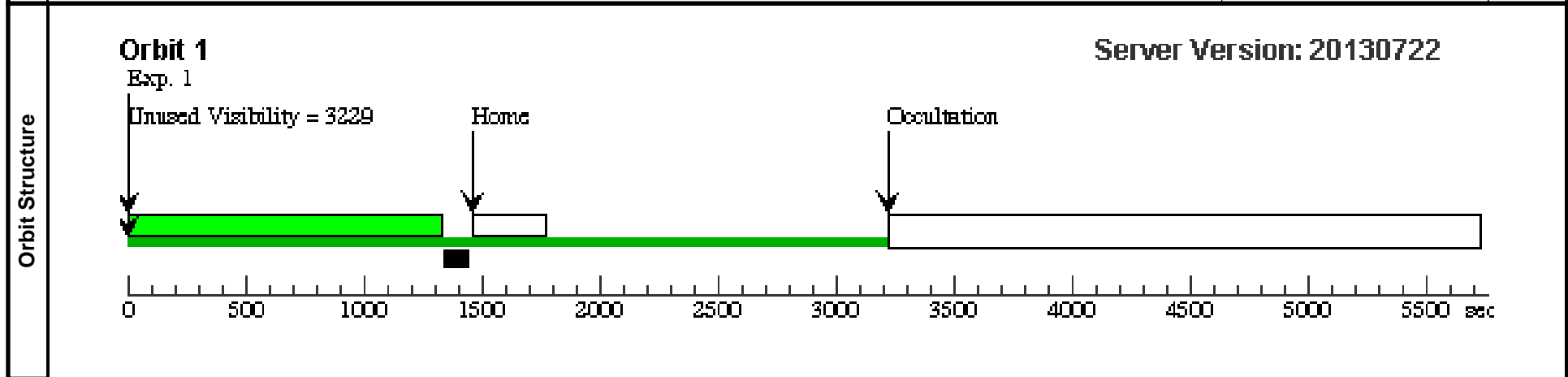
| | | | | | | | | | | |
|------------------------|--|--------------|---------------|-----------------------------|----------------------|----------------------|----------------------|---------------|--|--------------|
| Visit | Proposal 13528, Visit 1A, implementation Diagnostic Status: No Diagnostics Scientific Instruments: COS/NUV Special Requirements: AFTER 19 BY 5.5 Orbits TO 8.5 Orbits | | | | | | | | | |
| | | | | | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | | DARK | COS/NUV, TIME-TAG, DEF | DEF | BUFFER-TIME=13 30 | | | 1330.0 Secs (1330 Secs) [==>] | [1] |
| Orbit Structure | <p>Orbit 1 Server Version: 20130722</p> <p>Exp. 1</p> <p>Unused Visibility = 3229</p> <p>Home</p> <p>Occultation</p> <p>0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 sec</p> | | | | | | | | | |
| | | | | | | | | | | |

Proposal 13528 - Visit 1B - NUV Detector Dark Monitor

Tue Sep 24 01:55:02 GMT 2013

| | | | | | | | | | | |
|--------------|---|--|--|--|--|--|--|--|--|--|
| Visit | Proposal 13528, Visit 1B, implementation | | | | | | | | | |
| | Diagnostic Status: No Diagnostics | | | | | | | | | |
| | Scientific Instruments: COS/NUV | | | | | | | | | |
| | Special Requirements: BETWEEN 19-SEP-2014:00:00:00 AND 25-SEP-2014:23:59:59 | | | | | | | | | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|--------|----------------------|------------------------|--------------|----------------------|--------|---------------------------------|----------------------------------|
| | 1 | | DARK | | COS/NUV, TIME-TAG, DEF | DEF | BUFFER-TIME=13 30 | | | 1330.0 Secs (1330 Secs) [==>] |

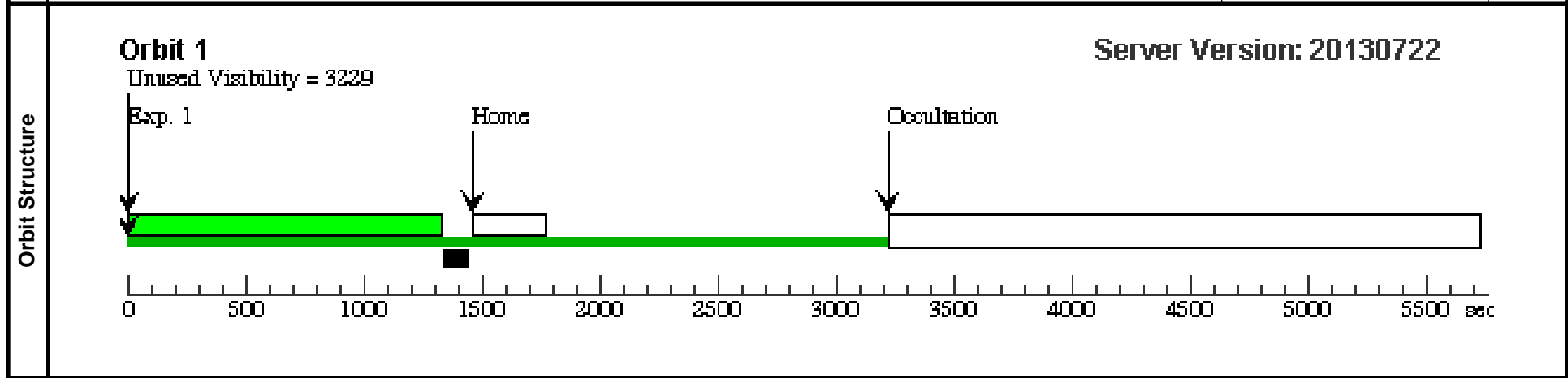


Proposal 13528 - Visit 1C - NUV Detector Dark Monitor

Tue Sep 24 01:55:02 GMT 2013

| | | | | | | | | | | |
|--------------|--|--|--|--|--|--|--|--|--|--|
| Visit | Proposal 13528, Visit 1C, implementation | | | | | | | | | |
| | Diagnostic Status: No Diagnostics | | | | | | | | | |
| | Scientific Instruments: COS/NUV | | | | | | | | | |
| | Special Requirements: AFTER 1B BY 5.5 Orbits TO 8.5 Orbits | | | | | | | | | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|--------|----------------------|------------------------|--------------|----------------------|--------|---------------------------------|-------------------------|
| | 1 | | DARK | | COS/NUV, TIME-TAG, DEF | DEF | BUFFER-TIME=13 30 | | | 1330.0 Secs (1330 Secs) |
| | | | | | | | | | [==>] | [1] |

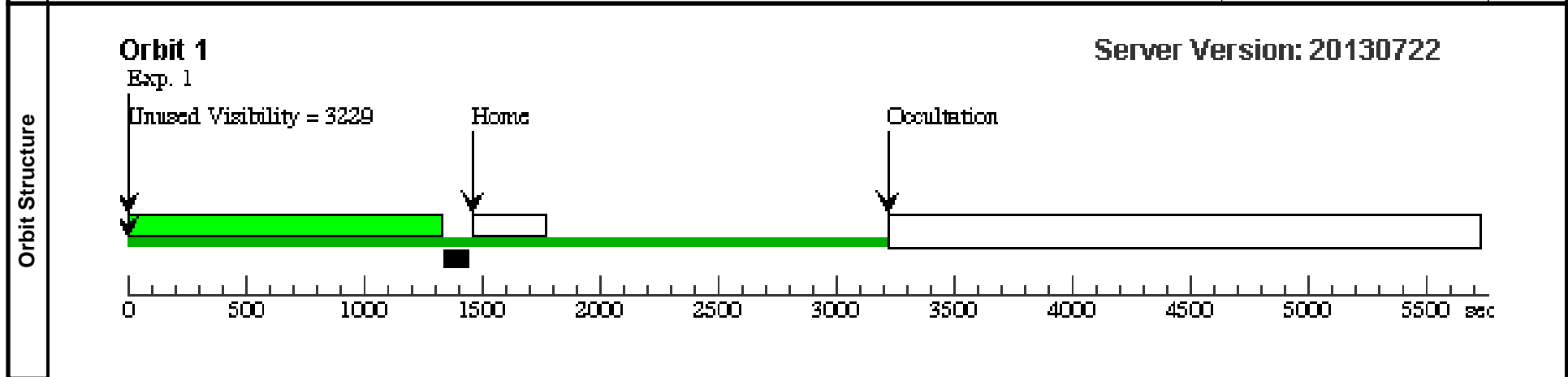


Proposal 13528 - Visit 1D - NUV Detector Dark Monitor

Tue Sep 24 01:55:03 GMT 2013

| | | | | | | | | | | |
|--------------|---|--|--|--|--|--|--|--|--|--|
| Visit | Proposal 13528, Visit 1D, implementation | | | | | | | | | |
| | Diagnostic Status: No Diagnostics | | | | | | | | | |
| | Scientific Instruments: COS/NUV | | | | | | | | | |
| | Special Requirements: BETWEEN 03-OCT-2014:00:00:00 AND 09-OCT-2014:23:59:59 | | | | | | | | | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|--------|----------------------|------------------------|--------------|----------------------|--------|---------------------------------|----------------------------------|
| | 1 | | DARK | | COS/NUV, TIME-TAG, DEF | DEF | BUFFER-TIME=13 30 | | | 1330.0 Secs (1330 Secs) [==>] |

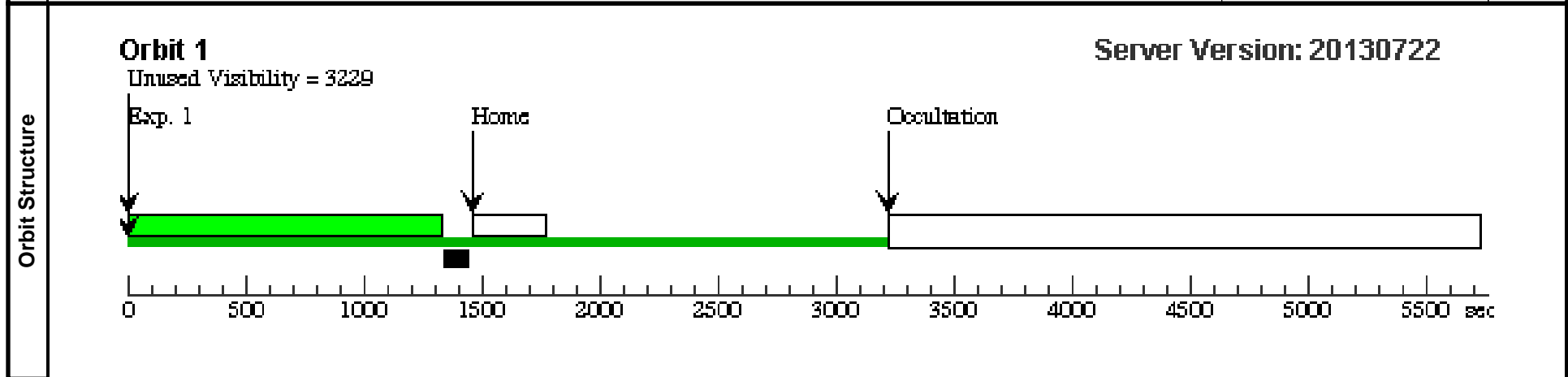


Proposal 13528 - Visit 1E - NUV Detector Dark Monitor

Tue Sep 24 01:55:03 GMT 2013

| | | | | | | | | | | |
|--------------|--|--|--|--|--|--|--|--|--|--|
| Visit | Proposal 13528, Visit 1E, implementation | | | | | | | | | |
| | Diagnostic Status: No Diagnostics | | | | | | | | | |
| | Scientific Instruments: COS/NUV | | | | | | | | | |
| | Special Requirements: AFTER 1D BY 5.5 Orbits TO 8.5 Orbits | | | | | | | | | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|--------|----------------------|------------------------|--------------|----------------------|--------|---------------------------------|----------------------------------|
| | 1 | | DARK | | COS/NUV, TIME-TAG, DEF | DEF | BUFFER-TIME=13 30 | | | 1330.0 Secs (1330 Secs) [==>] |

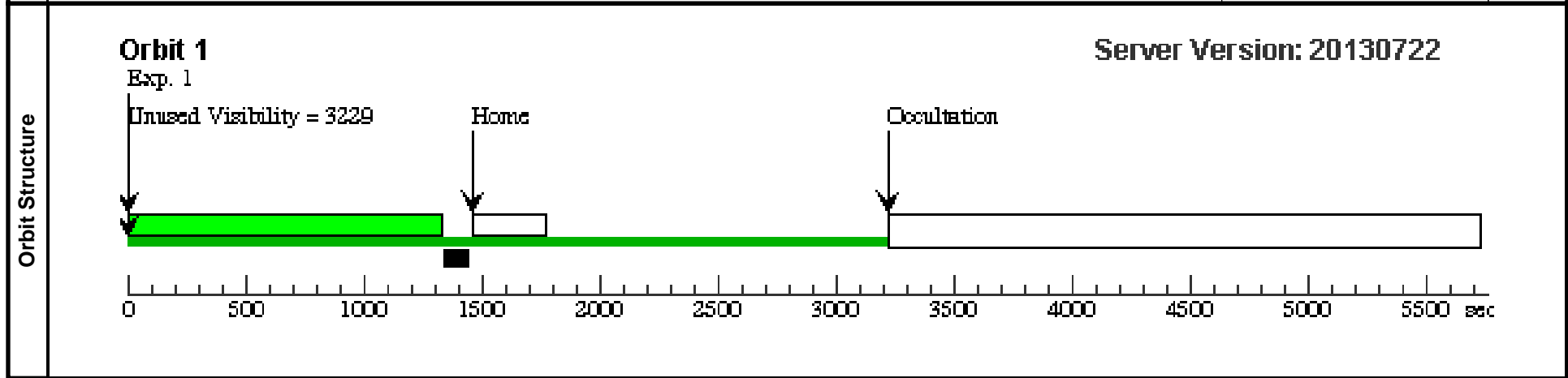


Proposal 13528 - Visit 1F - NUV Detector Dark Monitor

Tue Sep 24 01:55:03 GMT 2013

| | | | | | | | | | | |
|--------------|---|--|--|--|--|--|--|--|--|--|
| Visit | Proposal 13528, Visit 1F, implementation | | | | | | | | | |
| | Diagnostic Status: No Diagnostics | | | | | | | | | |
| | Scientific Instruments: COS/NUV | | | | | | | | | |
| | Special Requirements: BETWEEN 17-OCT-2014:00:00:00 AND 23-OCT-2014:23:59:59 | | | | | | | | | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|--------|----------------------|------------------------|--------------|----------------------|--------|---------------------------------|----------------------------------|
| | 1 | | DARK | | COS/NUV, TIME-TAG, DEF | DEF | BUFFER-TIME=13 30 | | | 1330.0 Secs (1330 Secs) [==>] |



Proposal 13528 - Visit 1G - NUV Detector Dark Monitor

Tue Sep 24 01:55:04 GMT 2013

| | | | | | | | | | | |
|--------------|--|--|--|--|--|--|--|--|--|--|
| Visit | Proposal 13528, Visit 1G, implementation | | | | | | | | | |
| | Diagnostic Status: No Diagnostics | | | | | | | | | |
| | Scientific Instruments: COS/NUV | | | | | | | | | |
| | Special Requirements: AFTER 1F BY 5.5 Orbits TO 8.5 Orbits | | | | | | | | | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|--------|----------------------|------------------------|--------------|----------------------|--------|---------------------------------|-------------------------|
| | 1 | | DARK | | COS/NUV, TIME-TAG, DEF | DEF | BUFFER-TIME=13 30 | | | 1330.0 Secs (1330 Secs) |
| | | | | | | | | | [==>] | [1] |

