# 14442 - NUV Detector Dark Monitor

Cycle: 23, Proposal Category: CAL/COS
( Availability Mode: RESTRICTED)

## INVESTIGATORS

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
<th>E-Mail</th>
</tr>
</thead>
<tbody>
<tr>
<td>Justin Ely (PI) (Contact)</td>
<td>Space Telescope Science Institute</td>
<td><a href="mailto:ely@stsci.edu">ely@stsci.edu</a></td>
</tr>
<tr>
<td>Dr. Charles R. Proffitt (CoI)</td>
<td>Space Telescope Science Institute</td>
<td><a href="mailto:proffitt@stsci.edu">proffitt@stsci.edu</a></td>
</tr>
<tr>
<td>Dr. David J. Sahnow (CoI)</td>
<td>Space Telescope Science Institute</td>
<td><a href="mailto:sahnow@stsci.edu">sahnow@stsci.edu</a></td>
</tr>
</tbody>
</table>

## VISITS

<table>
<thead>
<tr>
<th>Visit</th>
<th>Targets used in Visit</th>
<th>Configurations used in Visit</th>
<th>Orbits Used</th>
<th>Last Orbit Planner Run</th>
<th>OP Current with Visit?</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>DARK</td>
<td>COS/NUV</td>
<td>1</td>
<td>07-Oct-2015 02:50:44.0</td>
<td>yes</td>
</tr>
<tr>
<td>02</td>
<td>DARK</td>
<td>COS/NUV</td>
<td>1</td>
<td>07-Oct-2015 02:50:45.0</td>
<td>yes</td>
</tr>
<tr>
<td>03</td>
<td>DARK</td>
<td>COS/NUV</td>
<td>1</td>
<td>07-Oct-2015 02:50:46.0</td>
<td>yes</td>
</tr>
<tr>
<td>04</td>
<td>DARK</td>
<td>COS/NUV</td>
<td>1</td>
<td>07-Oct-2015 02:50:49.0</td>
<td>yes</td>
</tr>
<tr>
<td>05</td>
<td>DARK</td>
<td>COS/NUV</td>
<td>1</td>
<td>07-Oct-2015 02:50:51.0</td>
<td>yes</td>
</tr>
<tr>
<td>06</td>
<td>DARK</td>
<td>COS/NUV</td>
<td>1</td>
<td>07-Oct-2015 02:50:52.0</td>
<td>yes</td>
</tr>
<tr>
<td>07</td>
<td>DARK</td>
<td>COS/NUV</td>
<td>1</td>
<td>07-Oct-2015 02:50:52.0</td>
<td>yes</td>
</tr>
<tr>
<td>08</td>
<td>DARK</td>
<td>COS/NUV</td>
<td>1</td>
<td>07-Oct-2015 02:50:53.0</td>
<td>yes</td>
</tr>
<tr>
<td>09</td>
<td>DARK</td>
<td>COS/NUV</td>
<td>1</td>
<td>07-Oct-2015 02:50:55.0</td>
<td>yes</td>
</tr>
<tr>
<td>0A</td>
<td>DARK</td>
<td>COS/NUV</td>
<td>1</td>
<td>07-Oct-2015 02:50:55.0</td>
<td>yes</td>
</tr>
<tr>
<td>0B</td>
<td>DARK</td>
<td>COS/NUV</td>
<td>1</td>
<td>07-Oct-2015 02:50:56.0</td>
<td>yes</td>
</tr>
<tr>
<td>0C</td>
<td>DARK</td>
<td>COS/NUV</td>
<td>1</td>
<td>07-Oct-2015 02:50:59.0</td>
<td>yes</td>
</tr>
<tr>
<td>Visit</td>
<td>Targets used in Visit</td>
<td>Configurations used in Visit</td>
<td>Orbits Used</td>
<td>Last Orbit Planner Run</td>
<td>OP Current with Visit?</td>
</tr>
<tr>
<td>-------</td>
<td>-----------------------</td>
<td>-----------------------------</td>
<td>-------------</td>
<td>------------------------</td>
<td>------------------------</td>
</tr>
<tr>
<td>0D</td>
<td>DARK</td>
<td>COS/NUV</td>
<td>1</td>
<td>07-Oct-2015 02:51:01.0</td>
<td>yes</td>
</tr>
<tr>
<td>0E</td>
<td>DARK</td>
<td>COS/NUV</td>
<td>1</td>
<td>07-Oct-2015 02:51:03.0</td>
<td>yes</td>
</tr>
<tr>
<td>0F</td>
<td>DARK</td>
<td>COS/NUV</td>
<td>1</td>
<td>07-Oct-2015 02:51:05.0</td>
<td>yes</td>
</tr>
<tr>
<td>0G</td>
<td>DARK</td>
<td>COS/NUV</td>
<td>1</td>
<td>07-Oct-2015 02:51:08.0</td>
<td>yes</td>
</tr>
<tr>
<td>0H</td>
<td>DARK</td>
<td>COS/NUV</td>
<td>1</td>
<td>07-Oct-2015 02:51:12.0</td>
<td>yes</td>
</tr>
<tr>
<td>0I</td>
<td>DARK</td>
<td>COS/NUV</td>
<td>1</td>
<td>07-Oct-2015 02:51:13.0</td>
<td>yes</td>
</tr>
<tr>
<td>0J</td>
<td>DARK</td>
<td>COS/NUV</td>
<td>1</td>
<td>07-Oct-2015 02:51:14.0</td>
<td>yes</td>
</tr>
<tr>
<td>0K</td>
<td>DARK</td>
<td>COS/NUV</td>
<td>1</td>
<td>07-Oct-2015 02:51:15.0</td>
<td>yes</td>
</tr>
<tr>
<td>0L</td>
<td>DARK</td>
<td>COS/NUV</td>
<td>1</td>
<td>07-Oct-2015 02:51:16.0</td>
<td>yes</td>
</tr>
<tr>
<td>0M</td>
<td>DARK</td>
<td>COS/NUV</td>
<td>1</td>
<td>07-Oct-2015 02:51:17.0</td>
<td>yes</td>
</tr>
<tr>
<td>0N</td>
<td>DARK</td>
<td>COS/NUV</td>
<td>1</td>
<td>07-Oct-2015 02:51:18.0</td>
<td>yes</td>
</tr>
<tr>
<td>0O</td>
<td>DARK</td>
<td>COS/NUV</td>
<td>1</td>
<td>07-Oct-2015 02:51:19.0</td>
<td>yes</td>
</tr>
<tr>
<td>0P</td>
<td>DARK</td>
<td>COS/NUV</td>
<td>1</td>
<td>07-Oct-2015 02:51:20.0</td>
<td>yes</td>
</tr>
<tr>
<td>0Q</td>
<td>DARK</td>
<td>COS/NUV</td>
<td>1</td>
<td>07-Oct-2015 02:51:21.0</td>
<td>yes</td>
</tr>
<tr>
<td>0R</td>
<td>DARK</td>
<td>COS/NUV</td>
<td>1</td>
<td>07-Oct-2015 02:51:21.0</td>
<td>yes</td>
</tr>
<tr>
<td>0S</td>
<td>DARK</td>
<td>COS/NUV</td>
<td>1</td>
<td>07-Oct-2015 02:51:24.0</td>
<td>yes</td>
</tr>
<tr>
<td>0T</td>
<td>DARK</td>
<td>COS/NUV</td>
<td>1</td>
<td>07-Oct-2015 02:51:24.0</td>
<td>yes</td>
</tr>
<tr>
<td>0U</td>
<td>DARK</td>
<td>COS/NUV</td>
<td>1</td>
<td>07-Oct-2015 02:51:25.0</td>
<td>yes</td>
</tr>
<tr>
<td>0V</td>
<td>DARK</td>
<td>COS/NUV</td>
<td>1</td>
<td>07-Oct-2015 02:51:27.0</td>
<td>yes</td>
</tr>
<tr>
<td>0W</td>
<td>DARK</td>
<td>COS/NUV</td>
<td>1</td>
<td>07-Oct-2015 02:51:28.0</td>
<td>yes</td>
</tr>
<tr>
<td>0X</td>
<td>DARK</td>
<td>COS/NUV</td>
<td>1</td>
<td>07-Oct-2015 02:51:29.0</td>
<td>yes</td>
</tr>
<tr>
<td>0Y</td>
<td>DARK</td>
<td>COS/NUV</td>
<td>1</td>
<td>07-Oct-2015 02:51:30.0</td>
<td>yes</td>
</tr>
<tr>
<td>0Z</td>
<td>DARK</td>
<td>COS/NUV</td>
<td>1</td>
<td>07-Oct-2015 02:51:30.0</td>
<td>yes</td>
</tr>
<tr>
<td>10</td>
<td>DARK</td>
<td>COS/NUV</td>
<td>1</td>
<td>07-Oct-2015 02:51:32.0</td>
<td>yes</td>
</tr>
<tr>
<td>11</td>
<td>DARK</td>
<td>COS/NUV</td>
<td>1</td>
<td>07-Oct-2015 02:51:34.0</td>
<td>yes</td>
</tr>
</tbody>
</table>
**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
potential instrument temperature changes. The length of the exposures is chosen to make them fit in Earth occultations.
Proposal 14442 - Visit 01 - NUV Detector Dark Monitor

Visit
Proposition 14442, Visit 01, implementation
Diagnostic Status: No Diagnostics
Scientific Instruments: COS/NUV
Special Requirements: BETWEEN 31-OCT-2015:00:00:00 AND 06-NOV-2015:23:59:59

Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DARK</td>
<td>COS/NUV, TIME-TAG, DEF</td>
<td>DEF</td>
<td>BUFFER-TIME=13</td>
<td>30</td>
<td></td>
<td></td>
<td>1330.0 Secs (1330 Secs)</td>
<td></td>
</tr>
</tbody>
</table>

Orbit Structure

Unused Orbital Visibility = 3210  Home  Occultation

Server Version: 20150609
## Proposal 14442 - Visit 02 - NUV Detector Dark Monitor

### Visit Information:
- **Proposal:** 14442, Visit 02, implementation
- **Diagnostic Status:** No Diagnostics
- **Scientific Instruments:** COS/NUV
- **Special Requirements:** AFTER 01 BY 5.5 Orbits TO 8.5 Orbits

### Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DARK</td>
<td>COS/NUV, TIME-TAG, DEF</td>
<td>DEF</td>
<td>BUFFER-TIME=13</td>
<td>30</td>
<td></td>
<td></td>
<td>1330.0 Secs (1330 Secs)</td>
<td><img src="server_version_20150609" alt="Orbit Structure" /></td>
</tr>
</tbody>
</table>

### Orbit Structure

- **Orbit 1**
  - Unused Orbital Visibility = 3210
  - **Exp. 1**
    - Home
    - Occultation

**Server Version:** 20150609
Proposal 14442 - Visit 03 - NUV Detector Dark Monitor

Visit

Proposal 14442, Visit 03, implementation
Diagnostic Status: No Diagnostics
Scientific Instruments: COS/NUV
Special Requirements: BETWEEN 14-NOV-2015:00:00:00 AND 20-NOV-2015:23:59:59

Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DARK</td>
<td>COS/NUV, TIME-TAG, DEF</td>
<td>DEF</td>
<td>BUFFER-TIME=13 30</td>
<td></td>
<td></td>
<td></td>
<td>1330.0 Secs  (1330 Secs)</td>
<td></td>
</tr>
</tbody>
</table>
Proposal 14442 - Visit 04 - NUV Detector Dark Monitor

Visit
Proposal 14442, Visit 04, implementation
Diagnostic Status: No Diagnostics
Scientific Instruments: COS/NUV
Special Requirements: AFTER 03 BY 5.5 Orbits TO 8.5 Orbits

Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DARK</td>
<td>COS/NUV, TIME-TAG, DEF DEF                BUFFER-TIME=13 30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1330.0 Secs (1330 Secs)</td>
<td>[1]</td>
</tr>
</tbody>
</table>

Orbit Structure

Orbit 1
Unused Orbital Visibility = 3210

Exp. 1

Home

Occultation

Server Version: 20150609
### Proposal 14442 - Visit 05 - NUV Detector Dark Monitor

**Visit**

- **Proposal 14442, Visit 05, implementation**
- **Diagnostic Status:** No Diagnostics
- **Scientific Instruments:** COS/NUV
- **Special Requirements:** BETWEEN 28-NOV-2015:00:00:00 AND 04-DEC-2015:23:59:59

**Exposures**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DARK</td>
<td>COS/NUV, TIME-TAG, DEF</td>
<td>DEF</td>
<td>BUFFER-TIME=13</td>
<td>30</td>
<td></td>
<td></td>
<td>1330.0 Secs (1330 Secs)</td>
<td>[1]</td>
</tr>
</tbody>
</table>

**Orbit Structure**

- **Orbit 1**
  - Exp. 1
  - Unused Orbital Visibility = 3210
  - Home
  - Occultation

**Server Version:** 20150609
Visit Proposal 14442, Visit 06, implementation
Diagnostic Status: No Diagnostics
Scientific Instruments: COS/NUV
Special Requirements: AFTER 05 BY 5.5 Orbits TO 8.5 Orbits

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>DARK</td>
<td>COS/NUV, TIME-TAG, DEF</td>
<td>DEF</td>
<td>BUFFER-TIME=13 30</td>
<td></td>
<td></td>
<td></td>
<td>1330.0 Secs (1330 Secs)</td>
<td>[1]</td>
</tr>
</tbody>
</table>
## Proposals 14442 - Visit 07 - NUV Detector Dark Monitor

**Proposal 14442, Visit 07, implementation**

**Diagnostic Status:** No Diagnostics

**Scientific Instruments:** COS/NUV

**Special Requirements:** BETWEEN 12-DEC-2015:00:00:00 AND 18-DEC-2015:23:59:59

### Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DARK</td>
<td>COS/NUV, TIME-TAG, DEF</td>
<td>DEF</td>
<td>BUFFER-TIME=13 30</td>
<td></td>
<td></td>
<td></td>
<td>1330.0 Secs (1330 Secs)</td>
<td>[1]</td>
</tr>
</tbody>
</table>

![Orbit Structure Diagram](image_url)

**Server Version:** 20150609
Proposal 14442 - Visit 08 - NUV Detector Dark Monitor

Visit 08, implementation
Scientific Instruments: COS/NUV
Special Requirements: AFTER 07 BY 5.5 Orbits TO 8.5 Orbits

### Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DARK</td>
<td>COS/NUV, TIME-TAG, DEF</td>
<td>DEF</td>
<td>BUFFER-TIME=13</td>
<td>30</td>
<td></td>
<td></td>
<td>1330.0 Secs (1330 Secs)</td>
<td>[1]</td>
</tr>
</tbody>
</table>

### Orbit Structure

**Orbit 1**
Unused Orbital Visibility = 3210

Exp. 1

Unused Orbital Visibility = 3210

Exp. 1

Home

Occultation
### Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DARK</td>
<td>COS/NUV, TIME-TAG, DEF</td>
<td>DEF</td>
<td>BUFFER-TIME=13</td>
<td>30</td>
<td></td>
<td></td>
<td>1330.0 Secs (1330 Secs)</td>
<td>[1]</td>
</tr>
</tbody>
</table>

---

**Proposal 14442 - Visit 09 - NUV Detector Dark Monitor**

- **Visit:** Proposal 14442, Visit 09, implementation
- **Diagnostic Status:** No Diagnostics
- **Scientific Instruments:** COS/NUV
- **Special Requirements:** BETWEEN 26-DEC-2015:00:00:00 AND 01-JAN-2016:23:59:59

---

**Orbit Structure**

- **Orbit 1**
  - Experiment 1
  - Unused Orbital Visibility = 3210
  - Home
  - Occultation

---

**Server Version:** 20150609
### Proposal 14442 - Visit 0A - NUV Detector Dark Monitor

**Visit Information**
- **Proposal**: 14442, Visit 0A, implementation
- **Diagnostic Status**: No Diagnostics
- **Scientific Instruments**: COS/NUV
- **Special Requirements**: AFTER 09 BY 5.5 Orbits TO 8.5 Orbits

**Exposures**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DARK</td>
<td>COS/NUV, TIME-TAG, DEF</td>
<td>DEF</td>
<td>BUFFER-TIME=13</td>
<td>30</td>
<td></td>
<td></td>
<td>1330.0 Secs (1330 Secs)</td>
<td>[1]</td>
</tr>
</tbody>
</table>

**Orbit Structure**

- **Orbit 1**
  - Unused Orbital Visibility = 3210
  - Exp. 1: Home to Occultation

**Server Version**: 20150609

---

**Server Version**: 20150609
Proposal 14442 - Visit 0B - NUV Detector Dark Monitor

Visit
Proposal 14442, Visit 0B, implementation
Diagnostic Status: No Diagnostics
Scientific Instruments: COS/NUV
Special Requirements: BETWEEN 09-JAN-2016:00:00:00 AND 15-JAN-2016:23:59:59

Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DARK</td>
<td>COS/NUV, TIME-TAG, DEF</td>
<td>DEF</td>
<td>BUFFER-TIME=13 30</td>
<td></td>
<td></td>
<td></td>
<td>1330.0 Secs (1330 Secs)</td>
<td>[1]</td>
</tr>
</tbody>
</table>

Orbit Structure

Orbit 1
Unused Orbital Visibility = 3210

Exp. 1

Home

Occultation

Server Version: 20150609
Proposal 14442 - Visit 0C - NUV Detector Dark Monitor

Visit
Proposal 14442, Visit 0C, implementation
Diagnostic Status: No Diagnostics
Scientific Instruments: COS/NUV
Special Requirements: AFTER 0B BY 5.5 Orbits TO 8.5 Orbits

Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DARK</td>
<td>COS/NUV, TIME-TAG, DEF</td>
<td>DEF</td>
<td>BUFFER-TIME=13</td>
<td></td>
<td></td>
<td>1330.0 Secs (1330 Secs)</td>
<td></td>
</tr>
<tr>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>1</td>
<td>DARK</td>
<td>COS/NUV, TIME-TAG, DEF</td>
<td>DEF</td>
<td>BUFFER-TIME=13 30</td>
<td></td>
<td></td>
<td></td>
<td>1330.0 Secs (1330 Secs)</td>
</tr>
</tbody>
</table>
### Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DARK</td>
<td>COS/NUV, TIME-TAG, DEF</td>
<td>DEF</td>
<td>BUFFER-TIME=13</td>
<td>30</td>
<td></td>
<td></td>
<td>1330.0 Secs (1330 Secs)</td>
<td></td>
</tr>
</tbody>
</table>

#### Orbit Structure

**Orbit 1**

- Unused Orbital Visibility = 3210
- Exp. 1
  - Home
  - Occultation

**Server Version: 20150609**
Proposal 14442 - Visit 0F - NUV Detector Dark Monitor

Visit Proposal 14442, Visit 0F, implementation
Diagnostic Status: No Diagnostics
Scientific Instruments: COS/NUV
Special Requirements: BETWEEN 06-FEB-2016:00:00:00 AND 12-FEB-2016:23:59:59

### Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DARK</td>
<td>COS/NUV, TIME-TAG, DEF</td>
<td>DEF</td>
<td>BUFFER-TIME=13 30</td>
<td></td>
<td></td>
<td></td>
<td>1330.0 Secs (1330 Secs)</td>
<td>[1]</td>
</tr>
</tbody>
</table>

**Orbit Structure**

Unused Orbital Visibility = 3210

Exp. 1

Orbit 1

Server Version: 20150609

19
Proposal 14442 - Visit 0G - NUV Detector Dark Monitor

Proposal 14442, Visit 0G, implementation
Diagnostic Status: No Diagnostics
Scientific Instruments: COS/NUV
Special Requirements: AFTER 0F BY 5.5 Orbits TO 8.5 Orbits

### Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DARK</td>
<td>COS/NUV, TIME-TAG, DEF</td>
<td>DEF</td>
<td>BUFFER-TIME=13 30</td>
<td></td>
<td></td>
<td></td>
<td>1330.0 Secs (1330 Secs)</td>
<td>[1]</td>
</tr>
</tbody>
</table>

**Orbit Structure**

Unused Orbital Visibility = 3210

Home

Occultation

Server Version: 20150609
### Proposals 14442 - Visit 0H - NUV Detector Dark Monitor

**Visit**
- Proposal 14442, Visit 0H, implementation
- Diagnostic Status: No Diagnostics
- Scientific Instruments: COS/NUV
- Special Requirements: BETWEEN 20-FEB-2016:00:00:00 AND 26-FEB-2016:23:59:59

**Exposures**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DARK</td>
<td>COS/NUV, TIME-TAG, DEF</td>
<td>DEF</td>
<td>BUFFER-TIME=13 30</td>
<td></td>
<td></td>
<td></td>
<td>1330.0 Secs (1330 Secs)</td>
<td>[1]</td>
</tr>
</tbody>
</table>

---

**Orbit Structure**

- Unused Orbital Visibility = 3210
- Server Version: 20150609
Proposal 14442 - Visit 0I - NUV Detector Dark Monitor

Visit
Proposal 14442, Visit 0I, implementation
Diagnostic Status: No Diagnostics
Scientific Instruments: COS/NUV
Special Requirements: AFTER 0H BY 5.5 Orbits TO 8.5 Orbits

Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DARK</td>
<td>COS/NUV, TIME-TAG, DEF</td>
<td>DEF</td>
<td>BUFFER-TIME=13 30</td>
<td>1330.0 Secs (1330 Secs)</td>
<td>[I]</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Orbit Structure

Orbit 1
Exp. 1
Unused Orbital Visibility = 3210 Home
Occultation

Server Version: 20150609
## Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DARK</td>
<td>COS/NUV, TIME-TAG, DEF</td>
<td>DEF</td>
<td>BUFFER-TIME=13 30</td>
<td></td>
<td></td>
<td></td>
<td>1330.0 Secs (1330 Secs)</td>
<td>[1]</td>
</tr>
</tbody>
</table>

### Orbit Structure

**Orbit 1**

Unused Orbital Visibility = 3210

Exp. 1

![Orbit Diagram](image-url)
**Proposal 14442 - Visit 0K - NUV Detector Dark Monitor**

**Visit**
Proposal 14442, Visit 0K, implementation
Diagnostic Status: No Diagnostics
Scientific Instruments: COS/NUV
Special Requirements: AFTER 0J BY 5.5 Orbits TO 8.5 Orbits

**Exposures**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DARK</td>
<td>COS/NUV, TIME-TAG, DEF</td>
<td>DEF</td>
<td>BUFFER-TIME=13 30</td>
<td></td>
<td></td>
<td></td>
<td>1330.0 Secs (1330 Secs)</td>
<td>[I]</td>
</tr>
</tbody>
</table>

**Orbit Structure**

![Orbit Diagram](image-url)

Server Version: 20150609
**Proposal 14442 - Visit 0L - NUV Detector Dark Monitor**

**Visit**
- Proposal 14442, Visit 0L, implementation
- Diagnostic Status: No Diagnostics
- Scientific Instruments: COS/NUV
- Special Requirements: BETWEEN 19-MAR-2016:00:00:00 AND 25-MAR-2016:23:59:59

**Exposures**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DARK</td>
<td>COS/NUV, TIME-TAG, DEF</td>
<td>DEF</td>
<td>BUFFER-TIME=13</td>
<td>30</td>
<td></td>
<td></td>
<td>1330.0 Secs (1330 Secs)</td>
<td>[1]</td>
</tr>
</tbody>
</table>

**Orbit Structure**

- **Orbit 1**
  - Exp. 1
  - Unused Orbital Visibility = 3210
  - Home
  - Occultation

- Server Version: 20150609
Proposal 14442 - Visit 0M - NUV Detector Dark Monitor

Visit
Proposal 14442, Visit 0M, implementation
Diagnostic Status: No Diagnostics
Scientific Instruments: COS/NUV
Special Requirements: AFTER 0L BY 5.5 Orbits TO 8.5 Orbits

Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DARK</td>
<td>COS/NUV, TIME-TAG, DEF</td>
<td>DEF</td>
<td>BUFFER-TIME=13</td>
<td>30</td>
<td></td>
<td>1330.0 Secs (1330 Secs)</td>
<td>[1]</td>
<td></td>
</tr>
</tbody>
</table>

Orbit Structure

Unused Orbital Visibility = 3210

Server Version: 20150609
### Proposal 14442 - Visit 0N - NUV Detector Dark Monitor

**Visit**
- Proposal 14442, Visit 0N, implementation
- Diagnostic Status: No Diagnostics
- Scientific Instruments: COS/NUV
- Special Requirements: BETWEEN 02-APR-2016:00:00:00 AND 08-APR-2016:23:59:59

**Diagnostics: No Diagnostics**

**Scientific Instruments:** COS/NUV

**Special Requirements:** BETWEEN 02-APR-2016:00:00:00 AND 08-APR-2016:23:59:59

---

### Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DARK</td>
<td>COS/NUV, TIME-TAG, DEF</td>
<td>DEF</td>
<td>Buffer-Time=13 30</td>
<td></td>
<td></td>
<td></td>
<td>1330.0 Secs (1330 Secs)</td>
<td>[1]</td>
</tr>
</tbody>
</table>

---

### Orbit Structure

**Orbit 1**

Unused Orbital Visibility = 3210

Exp. 1

[Diagram of orbit with key points: Home and Occultation.

Server Version: 20150609

---
Proposal 14442 - Visit 00 - NUV Detector Dark Monitor

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

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DARK</td>
<td>COS/NUV, TIME-TAG, DEF</td>
<td>DEF</td>
<td>BUFFER-TIME=13</td>
<td>30</td>
<td></td>
<td>1330.0 Secs (1330 Secs)</td>
<td></td>
</tr>
</tbody>
</table>

Orbit 1
Exp. 1

Unused Orbital Visibility = 3210
Home
Occultation

Server Version: 20150609
Proposal 14442 - Visit 0P - NUV Detector Dark Monitor

Visit
Proposal 14442, Visit 0P, implementation
Diagnostic Status: No Diagnostics
Scientific Instruments: COS/NUV
Special Requirements: BETWEEN 16-APR-2016:00:00:00 AND 22-APR-2016:23:59:59

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DARK</td>
<td>COS/NUV, TIME-TAG, DEF</td>
<td>DEF</td>
<td>BUFFER-TIME=13</td>
<td>30</td>
<td></td>
<td>1330.0 Secs (1330 Secs)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Orbit Structure

Unused Orbital Visibility = 3210

Server Version: 20150609
Proposal 14442 - Visit 0Q - NUV Detector Dark Monitor

Visit
Proposal 14442, Visit 0Q, implementation
Diagnostic Status: No Diagnostics
Scientific Instruments: COS/NUV
Special Requirements: AFTER 0P BY 5.5 Orbits TO 8.5 Orbits

Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DARK</td>
<td>COS/NUV, TIME-TAG, DEF</td>
<td>DEF</td>
<td>BUFFER-TIME=13</td>
<td>30</td>
<td></td>
<td></td>
<td>1330.0 Secs (1330 Secs)</td>
<td></td>
</tr>
</tbody>
</table>

Orbit Structure

Orbit 1
Exp. 1
Unused Orbital Visibility = 3210
Home
Occultation

Server Version: 20150609
Proposal 14442 - Visit 0R - NUV Detector Dark Monitor

Visit
Proposal 14442, Visit 0R, implementation
Diagnostic Status: No Diagnostics
Scientific Instruments: COS/NUV
Special Requirements: BETWEEN 30-APR-2016:00:00:00 AND 06-MAY-2016:23:59:59

Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DARK</td>
<td>COS/NUV, TIME-TAG, DEF</td>
<td>DEF</td>
<td>BUFFET-TIME=13</td>
<td>30</td>
<td></td>
<td></td>
<td>1330.0 Secs (1330 Secs)</td>
<td>[1]</td>
</tr>
</tbody>
</table>

Orbit Structure

Unused Orbital Visibility = 3210

[Diagram of Orbit 1 with Exp. 1, Home, and Occultation markers]

Server Version: 20150609
Proposal 14442 - Visit 0S - NUV Detector Dark Monitor

Visit
Proposal 14442, Visit 0S, implementation
Diagnostic Status: No Diagnostics
Scientific Instruments: COS/NUV
Special Requirements: AFTER 0R BY 5.5 Orbits TO 8.5 Orbits

Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DARK</td>
<td>COS/NUV, TIME-TAG, DEF</td>
<td>DEF</td>
<td>BUFFER-TIME=13</td>
<td>30</td>
<td></td>
<td>1330.0 Secs (1330 Secs)</td>
<td>[1]</td>
<td></td>
</tr>
</tbody>
</table>

Orbit Structure

Orbit 1
Exp. 1
Unused Orbital Visibility = 3210
Home
Occultation

Server Version: 20150609
Proposal 14442 - Visit 0T - NUV Detector Dark Monitor

Visit
Proposal 14442, Visit 0T, implementation
Diagnostic Status: No Diagnostics
Scientific Instruments: COS/NUV
Special Requirements: BETWEEN 14-MAY-2016:00:00:00 AND 20-MAY-2016:23:59:59

Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DARK</td>
<td>COS/NUV, TIME-TAG, DEF DEF</td>
<td>BUFFER-TIME=13</td>
<td>30</td>
<td></td>
<td></td>
<td>1330.0 Secs (1330 Secs)</td>
<td>[1]</td>
</tr>
</tbody>
</table>

Orbit Structure

Orbit 1
Exp. 1
Unused Orbital Visibility = 3210 Home Occultation

Server Version: 20150609
Proposal 14442 - Visit 0U - NUV Detector Dark Monitor

Visit
Proposal 14442, Visit 0U, implementation
Diagnostic Status: No Diagnostics
Scientific Instruments: COS/NUV
Special Requirements: AFTER 0T BY 5.5 Orbits TO 8.5 Orbits

Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DARK</td>
<td>COS/NUV, TIME-TAG, DEF</td>
<td>DEF</td>
<td>BUFFER-TIME=13</td>
<td>30</td>
<td></td>
<td></td>
<td>1330.0 Secs (1330 Secs)</td>
<td></td>
</tr>
</tbody>
</table>

Orbit Structure

Orbit 1
Unused Orbital Visibility = 3210

Home

Occultation

Server Version: 20150609
Proposal 14442 - Visit 0V - NUV Detector Dark Monitor

Visit
Proposal 14442, Visit 0V, implementation
Diagnostic Status: No Diagnostics
Scientific Instruments: COS/NUV
Special Requirements: BETWEEN 28-MAY-2016:00:00:00 AND 03-JUN-2016:23:59:59

Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DARK</td>
<td>COS/NUV, TIME-TAG, DEF</td>
<td>DEF</td>
<td>BUFFER-TIME=13</td>
<td></td>
<td></td>
<td></td>
<td>1330.0 Secs (1330 Secs)</td>
<td></td>
</tr>
</tbody>
</table>

Orbit 1
Unused Orbital Visibility = 3210

[Diagram of Orbit 1 with labels: Exp. 1, Home, Occultation]

Server Version: 20150609
Proposal 14442 - Visit 0W - NUV Detector Dark Monitor

Visit 0W, implementation

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV

Special Requirements: AFTER 0V BY 5.5 Orbits TO 8.5 Orbits

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DARK</td>
<td>COS/NUV, TIME-TAG, DEF</td>
<td>DEF</td>
<td>BUFFER-TIME=13 30</td>
<td></td>
<td></td>
<td></td>
<td>1330.0 Secs (1330 Secs)</td>
<td>[1]</td>
</tr>
</tbody>
</table>

Orbit Structure

unused Orbital Visibility = 3210

Exp. 1

Home

Occultation

Server Version: 20150609
### Proposal 14442 - Visit 0X - NUV Detector Dark Monitor

**Visit**
- Proposal 14442, Visit 0X, implementation
- Diagnostic Status: No Diagnostics
- Scientific Instruments: COS/NUV
- Special Requirements: BETWEEN 11-JUN-2016:00:00:00 AND 17-JUN-2016:23:59:59

**Exposures**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DARK</td>
<td>COS/NUV, TIME-TAG, DEF</td>
<td>DEF</td>
<td>BUFFER-TIME=13 30</td>
<td></td>
<td></td>
<td></td>
<td>1330.0 Secs (1330 Secs)</td>
<td>[1]</td>
</tr>
</tbody>
</table>

**Orbit Structure**

---

**Server Version: 20150609**
Proposal 14442 - Visit 0Y - NUV Detector Dark Monitor

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

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DARK</td>
<td>COS/NUV, TIME-TAG, DEF</td>
<td>DEF</td>
<td>BUFFER-TIME=1330</td>
<td>30</td>
<td></td>
<td></td>
<td>1330.0 Secs (1330 Secs)</td>
<td>[1]</td>
</tr>
</tbody>
</table>

Orbit 1
Exp. 1
Unused Orbital Visibility = 3210 Home Occultation

Server Version: 20150609
Proposal 14442 - Visit 0Z - NUV Detector Dark Monitor

Visit:
Proposal 14442, Visit 0Z, implementation
Diagnostic Status: No Diagnostics
Scientific Instruments: COS/NUV
Special Requirements: BETWEEN 25-JUN-2016:00:00:00 AND 01-JUL-2016:23:59:59

Exposures:

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DARK</td>
<td>COS/NUV, TIME-TAG, DEF</td>
<td>DEF</td>
<td>BUFFER-TIME=13</td>
<td></td>
<td></td>
<td></td>
<td>1330.0 Secs (1330 Secs)</td>
<td>[1]</td>
</tr>
</tbody>
</table>

Orbit Structure:

Server Version: 20150609

Unused Orbital Visibility = 3210

Occultation

Home

0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 sec
Proposal 14442 - Visit 10 - NUV Detector Dark Monitor

Visit Proposal 14442, Visit 10, implementation
Diagnostic Status: No Diagnostics
Scientific Instruments: COS/NUV
Special Requirements: AFTER 0Z BY 5.5 Orbits TO 8.5 Orbits

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DARK</td>
<td>COS/NUV, TIME-TAG, DEF</td>
<td>DEF</td>
<td>BUFFER-TIME=13 30</td>
<td></td>
<td></td>
<td></td>
<td>1330.0 Secs (1330 Secs)</td>
<td>1</td>
</tr>
</tbody>
</table>

**Orbit Structure**

Server Version: 20150609
Proposal 14442 - Visit 11 - NUV Detector Dark Monitor

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DARK</td>
<td>COS/NUV, TIME-TAG, DEF</td>
<td>DEF</td>
<td>BUFFER-TIME=13</td>
<td>30</td>
<td></td>
<td></td>
<td>1330.0 Secs (1330 Secs)</td>
<td>[1]</td>
</tr>
</tbody>
</table>
### Proposal 14442 - Visit 12 - NUV Detector Dark Monitor

#### Visit
- Proposal 14442, Visit 12, implementation
- Diagnostic Status: No Diagnostics
- Scientific Instruments: COS/NUV
- Special Requirements: AFTER 11 BY 5.5 Orbits TO 8.5 Orbits

#### Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DARK</td>
<td>COS/NUV, TIME-TAG, DEF</td>
<td>DEF</td>
<td>BUFFER-TIME=13</td>
<td></td>
<td></td>
<td></td>
<td>1330.0 Secs (1330 Secs)</td>
<td>[1]</td>
</tr>
</tbody>
</table>

#### Orbit Structure

**Orbit 1**
- Unused Orbital Visibility = 3210
- Exp. 1
- Home
- Occultation

**Server Version:** 20150609
Proposal 14442 - Visit 13 - NUV Detector Dark Monitor

Visit
Proposal 14442, Visit 13, implementation
Diagnostic Status: No Diagnostics
Scientific Instruments: COS/NUV
Special Requirements: BETWEEN 23-JUL-2016:00:00:00 AND 29-JUL-2016:23:59:59

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DARK</td>
<td>COS/NUV, TIME-TAG, DEF</td>
<td>DEF</td>
<td>BUFFER-TIME=13</td>
<td></td>
<td></td>
<td></td>
<td>1330.0 Secs (1330 Secs)</td>
<td></td>
</tr>
</tbody>
</table>

Orbit Structure

Orbit 1
Exp. 1
Unused Orbital Visibility = 3210  Home
Occultation

Server Version: 20150609
### Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DARK</td>
<td>COS/NUV, TIME-TAG, DEF</td>
<td>DEF</td>
<td>BUFFER-TIME=13 30</td>
<td></td>
<td></td>
<td>1330.0 Secs (1330 Secs)</td>
<td>[1]</td>
</tr>
</tbody>
</table>

#### Orbit Structure

**Orbit 1**

Unused Orbital Visibility = 3210

**Server Version: 20150609**
Proposal 14442 - Visit 15 - NUV Detector Dark Monitor

**Visit**
- Proposal 14442, Visit 15, implementation
- Diagnostic Status: No Diagnostics
- Scientific Instruments: COS/NUV
- Special Requirements: BETWEEN 06-AUG-2016:00:00:00 AND 12-AUG-2016:23:59:59

**Exposures**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DARK</td>
<td>COS/NUV, TIME-TAG, DEF</td>
<td>DEF</td>
<td>BUFFER-TIME=13 30</td>
<td></td>
<td></td>
<td></td>
<td>1330.0 Secs (1330 Secs)</td>
<td></td>
</tr>
</tbody>
</table>
### Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DARK</td>
<td>COS/NUV, TIME-TAG, DEF</td>
<td>DEF</td>
<td>BUFFER-TIME=13 30</td>
<td></td>
<td></td>
<td></td>
<td>1330.0 Secs (1330 Secs)</td>
<td>[1]</td>
</tr>
</tbody>
</table>

### Orbit Structure

**Orbit 1**

Unused Orbital Visibility = 3210

Server Version: 20150609
### Proposal 14442 - Visit 17 - NUV Detector Dark Monitor

**Visit**
- Proposal 14442, Visit 17, implementation
- Diagnostic Status: No Diagnostics
- Scientific Instruments: COS/NUV
- Special Requirements: BETWEEN 20-AUG-2016:00:00:00 AND 26-AUG-2016:23:59:59

**Exposures**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DARK</td>
<td>COS/NUV, TIME-TAG, DEF</td>
<td>DEF</td>
<td>BUFFER-TIME=13 30</td>
<td></td>
<td></td>
<td></td>
<td>1330.0 Secs (1330 Secs)</td>
<td>[1]</td>
</tr>
</tbody>
</table>

**Orbit Structure**

- Orbit 1
  - Exp. 1
  - Unused Orbital Visibility = 3210
  - Home
  - Occultation

*Server Version: 20150609*
Proposal 14442 - Visit 18 - NUV Detector Dark Monitor

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

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DARK</td>
<td>COS/NUV, TIME-TAG, DEF</td>
<td>DEF</td>
<td>BUFFER-TIME=13</td>
<td>30</td>
<td></td>
<td></td>
<td>1330.0 Secs (1330 Secs)</td>
<td>[I]</td>
</tr>
</tbody>
</table>

Orbit Structure

Unused Orbital Visibility = 3210

Exp. 1

Serve Version: 20150609
Proposal 14442 - Visit 19 - NUV Detector Dark Monitor

Visit
Proposal 14442, Visit 19, implementation
Diagnostic Status: No Diagnostics
Scientific Instruments: COS/NUV
Special Requirements: BETWEEN 03-SEP-2016:00:00:00 AND 09-SEP-2016:23:59:59

Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DARK</td>
<td>COS/NUV, TIME-TAG, DEF</td>
<td>DEF</td>
<td></td>
<td>BUFFER-TIME=13</td>
<td>30</td>
<td></td>
<td>1330.0 Secs (1330 Secs)</td>
<td>[1]</td>
</tr>
</tbody>
</table>

Orbit Structure

Orbit 1
Unused Orbital Visibility = 3210

Exp. 1
Home
Occultation

Server Version: 20150609
Proposal 14442 - Visit 1A - NUV Detector Dark Monitor

Visit 1A Proposal 14442, implementation
Diagnostic Status: No Diagnostics
Scientific Instruments: COS/NUV
Special Requirements: AFTER 19 BY 5.5 Orbits TO 8.5 Orbits

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DARK</td>
<td>COS/NUV, TIME-TAG, DEF</td>
<td>DEF</td>
<td>BUFFER-TIME=13 30</td>
<td></td>
<td></td>
<td></td>
<td>1330.0 Secs (1330 Secs)</td>
<td></td>
</tr>
</tbody>
</table>

Orbit Structure

Unused Orbital Visibility = 3210

Exp. 1

Home

Occultation
## Proposal 14442 - Visit 1B - NUV Detector Dark Monitor

### Visit
- Proposal 14442, Visit 1B, implementation
- Diagnostic Status: No Diagnostics
- Scientific Instruments: COS/NUV
- Special Requirements: BETWEEN 17-SEP-2016:00:00:00 AND 23-SEP-2016:23:59:59

### Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DARK</td>
<td>COS/NUV, TIME-TAG, DEF</td>
<td>DEF</td>
<td>BUFFER-TIME=13 30</td>
<td></td>
<td></td>
<td></td>
<td>1330.0 Secs (1330 Secs)</td>
<td>[1]</td>
</tr>
</tbody>
</table>

### Orbit Structure

**Orbit 1**
- Exp. 1
- Unused Orbital Visibility = 3210
- Home
- Occultation

Server Version: 20150609
Proposal 14442 - Visit 1C - NUV Detector Dark Monitor

Proposal 14442, Visit 1C, implementation
Diagnostic Status: No Diagnostics
Scientific Instruments: COS/NUV
Special Requirements: AFTER 1B BY 5.5 Orbits TO 8.5 Orbits

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DARK</td>
<td>COS/NUV, TIME-TAG, DEF</td>
<td>DEF</td>
<td>BUFFER-TIME=13 30</td>
<td></td>
<td></td>
<td></td>
<td>1330.0 Secs (1330 Secs)</td>
<td></td>
</tr>
</tbody>
</table>

Orbit Structure

Unused Orbital Visibility = 3210

Home

Occultation

Exp. 1

Exp. 2

Server Version: 20150609
Proposal 14442 - Visit 1D - NUV Detector Dark Monitor

Visit
 Proposal 14442, Visit 1D, implementation
 Diagnostic Status: No Diagnostics
 Scientific Instruments: COS/NUV
 Special Requirements: BETWEEN 01-OCT-2016:00:00:00 AND 07-OCT-2016:23:59:59

Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DARK</td>
<td>COS/NUV, TIME-TAG, DEF</td>
<td>DEF</td>
<td>BUFFER-TIME=13 30</td>
<td></td>
<td></td>
<td></td>
<td>1330.0 Secs (1330 Secs)</td>
<td>[1]</td>
</tr>
</tbody>
</table>

Orbit Structure

Orbit 1
Exp. 1
Unused Orbital Visibility = 3210
Home
Occultation

Server Version: 20150609
Proposal 14442 - Visit 1E - NUV Detector Dark Monitor

Visit
Proposal 14442, Visit 1E, implementation
Diagnostic Status: No Diagnostics
Scientific Instruments: COS/NUV
Special Requirements: AFTER 1D BY 5.5 Orbits TO 8.5 Orbits

Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DARK</td>
<td>COS/NUV, TIME-TAG, DEF</td>
<td>DEF</td>
<td>BUFFER-TIME=13</td>
<td>30</td>
<td></td>
<td></td>
<td>1330.0 Secs (1330 Secs)</td>
<td>[1]</td>
</tr>
</tbody>
</table>

Orbit Structure

Orbit 1
Unused Orbital Visibility = 3210

Exp. 1
Home
Occultation

Server Version: 20150609

Wed Oct 07 06:51:59 GMT 2015
## Proposal 14442 - Visit 1F - NUV Detector Dark Monitor

**Proposal 14442, Visit 1F, implementation**

Diagnostic Status: No Diagnostics

Scientific Instruments: COS/NUV

Special Requirements: BETWEEN 15-OCT-2016:00:00:00 AND 21-OCT-2016:23:59:59

### Exposures

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DARK</td>
<td>COS/NUV, TIME-TAG, DEF</td>
<td>DEF</td>
<td>BUFFER-TIME=13</td>
<td>30</td>
<td></td>
<td>1330.0 Secs (1330 Secs)</td>
<td>[1]</td>
<td></td>
</tr>
</tbody>
</table>

### Orbit Structure

*Unused Orbital Visibility = 3210*

Server Version: 20150609
Proposal 14442 - Visit 1G - NUV Detector Dark Monitor

Visit
Proposal 14442, Visit 1G, implementation
Diagnostic Status: No Diagnostics
Scientific Instruments: COS/NUV
Special Requirements: AFTER 1F BY 5.5 Orbits TO 8.5 Orbits

Exposures
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DARK</td>
<td>COS/NUV, TIME-TAG, DEF</td>
<td>DEF</td>
<td>BUFFER-TIME=13 30</td>
<td></td>
<td></td>
<td></td>
<td>1330.0 Secs (1330 Secs)</td>
<td>[I]</td>
</tr>
</tbody>
</table>

Orbit Structure

Orbit 1
Exp. 1
Unused Orbital Visibility = 3210  Home  Occultation

Server Version: 20150609