### 17002 - WFC3 UVIS Bowtie Monitor

Cycle: 30, Proposal Category: CAL/WFC3  
(Availability Mode: RESTRICTED)

#### INVESTIGATORS

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<tr>
<th>Name</th>
<th>Institution</th>
<th>E-Mail</th>
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<td>Mr. Harish Khandrika (PI) (Contact)</td>
<td>Space Telescope Science Institute</td>
<td><a href="mailto:hkhandrika@stsci.edu">hkhandrika@stsci.edu</a></td>
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<tr>
<td>Aidan J Pidgeon (CoI) (Contact)</td>
<td>Space Telescope Science Institute</td>
<td><a href="mailto:apidgeon@stsci.edu">apidgeon@stsci.edu</a></td>
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<tr>
<td>Dr. Sylvia M. Baggett (CoI) (Contact)</td>
<td>Space Telescope Science Institute</td>
<td><a href="mailto:sbaggett@stsci.edu">sbaggett@stsci.edu</a></td>
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#### VISITS

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ABSTRACT

The UVIS detector occasionally exhibits low-level (~1%) quantum efficiency offsets (hysteresis) across both chips. This is known as the 'bowtie' effect, due to the unique pattern that results in the image ratios and was revealed during thermal vacuum testing. Ground tests found that this hysteresis could be negated by overexposing the detector to several times the full well amount. In order to detect and mitigate UVIS hysteresis on
A multi-cycle 'bowtie monitoring' program was created. Similar to past bowtie monitoring programs, each visit of this program acquires a set of three 3x3 binned internal tungsten flatfields. The first image is unsaturated in order to identify hysteresis, the second image is saturated to neutralize any quantum efficiency offsets, and the third image is unsaturated to provide an estimate of how well the hysteresis was removed.

**OBSERVING DESCRIPTION**

Three UVIS internal tungsten flat field images are obtained using the F475X filter. This filter is utilized for (1) its high throughput, (2) its bandpass (<700nm), which is known to mitigate hysteresis and (3) its status as a low-priority filter for science observations. The three images are assembled into a single visit that is executed every three days: (1) an unsaturated image used as a check for hysteresis features, (2) a saturated 'QE pinning' exposure that is used to fill traps and mitigate QE offsets, and (3) an additional unsaturated image used to assess the hysteresis removal efficiency.

Data analysis will include inspecting unsaturated frames and image ratios, identifying trends in image ratios over time, quantifying the efficiency of the neutralizing exposure, and investigating anomalies.
Proposal 17002 - Visit 01 - WFC3 UVIS Bowtie Monitor

Diagnostics

(initial check (01.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(neutralizer (01.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(final check (01.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

Exposures

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Orbit Structure

Unused Orbital Visibility = 3142

Server Version: 20220516
Proposal 17002 - Visit 02 - WFC3 UVIS Bowtie Monitor

**Visit**
Proposal 17002, Visit 02
Diagnostic Status: Warning
Scientific Instruments: WFC3/UVIS
Special Requirements: BETWEEN 10-NOV-2022:00:00:00 AND 11-NOV-2022:00:00:00

**Diagnostics**
(initial check (02.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(neutralizer (02.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(final check (02.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

**Exposures**

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**Orbit Structure**

Orbit 1
Exp. 1
Unused Orbital Visibility = 3142
Exp. 2
Exp. 3
Reconfig
Occultation

Server Version: 20220516
**Visit**

- **Proposal 17002, Visit 03**
  - Diagnostic Status: Warning
  - Scientific Instruments: WFC3/UVIS
  - Special Requirements: BETWEEN 13-NOV-2022:00:00:00 AND 14-NOV-2022:00:00:00

**Diagnostics**

(initial check (03.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(neutralizer (03.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(final check (03.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

**Exposures**

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**Orbit Structure**

Orbit 1

Unused Orbital Visibility = 3142

Exp. 1

Exp. 2

Exp. 3

Reconf

Occultation

Server Version: 20220516
Proposal 17002 - Visit 04 - WFC3 UVIS Bowtie Monitor

Visit
Proposal 17002, Visit 04
Diagnostics Status: Warning
Scientific Instruments: WFC3/UVIS
Special Requirements: BETWEEN 16-NOV-2022:00:00:00 AND 17-NOV-2022:00:00:00

Diagnostics
(initial check (04.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(neutralizer (04.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(final check (04.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

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Orbit Structure
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(neutralizer (05.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.

(final check (05.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.
**Proposal 17002 - Visit 06 - WFC3 UVIS Bowtie Monitor**

**Visit**
- Visit 06
- Diagnostic Status: Warning
- Scientific Instruments: WFC3/UVIS
- Special Requirements: BETWEEN 22-NOV-2022:00:00:00 AND 23-NOV-2022:00:00:00

**Diagnostics**
- (initial check (06.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
- (neutralizer (06.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
- (final check (06.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

**Exposures**

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**Orbit Structure**

- **Orbit 1**
  - Unused Orbital Visibility = 3142
  - Exp. 1
  - Exp. 2
  - Exp. 3
  - Reconfig

- **Occultation**

---

[Image of orbit structure]

**Server Version: 20220516**
Proposal 17002 - Visit 07 - WFC3 UVIS Bowtie Monitor

**Visit Information**

- **Proposal**: Proposal 17002, Visit 07
- **Diagnostic Status**: Warning
- **Scientific Instruments**: WFC3/UVIS
- **Special Requirements**: BETWEEN 25-NOV-2022:00:00:00 AND 26-NOV-2022:00:00:00

**Diagnostics**

(initial check (07.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(neutralizer (07.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(final check (07.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

**Exposures**

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**Orbit Structure**

Unseen Orbital Visibility = 3142

- Exp. 1
- Exp. 2
- Exp. 3
- Reconfig

Occultation

Server Version: 20220516
### Proposal 17002 - Visit 08 - WFC3 UVIS Bowtie Monitor

**Visit**

- Proposal 17002, Visit 08
- Diagnostic Status: Warning
- Scientific Instruments: WFC3/UVIS
- Special Requirements: BETWEEN 28-NOV-2022:00:00:00 AND 29-NOV-2022:00:00:00

**Diagnostics**

- (initial check (08.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.
- (neutralizer (08.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.
- (final check (08.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.

**Exposures**

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**Orbit Structure**

![Orbit Structure Diagram]

Server Version: 20220516
**Proposal 17002 - Visit 09 - WFC3 UVIS Bowtie Monitor**

**Visit**
- Proposal 17002, Visit 09
- Diagnostic Status: Warning
- Scientific Instruments: WFC3/UVIS
- Special Requirements: BETWEEN 01-DEC-2022:00:00:00 AND 02-DEC-2022:00:00:00

**Diagnostics**
- (initial check (09.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
- (neutralizer (09.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
- (final check (09.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

**Exposures**

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**Orbit Structure**
- Unused Orbital Visibility = 3142
- Exp. 1
- Exp. 2
- Exp. 3
- Reconfig
- Occultation

**Server Version: 20220516**
Proposal 17002 - Visit 10 - WFC3 UVIS Bowtie Monitor

Visit
Proposal 17002, Visit 10
Diagnostics Status: Warning
Scientific Instruments: WFC3/UVIS
Special Requirements: BETWEEN 04-DEC-2022:00:00:00 AND 05-DEC-2022:00:00:00

Diagnostics
(initial check (10.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(neutralizer (10.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(final check (10.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

### Exposures

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**Orbit Structure**

**Server Version: 20220516**
### Proposal 17002 - Visit 11 - WFC3 UVIS Bowtie Monitor

**Visit**
- Proposal 17002, Visit 11
- Diagnostic Status: Warning
- Scientific Instruments: WFC3/UVIS
- Special Requirements: BETWEEN 07-DEC-2022:00:00:00 AND 08-DEC-2022:00:00:00

**Diagnostics**
- (initial check (11.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
- (neutralizer (11.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
- (final check (11.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

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### Exposures

**Orbit Structure**

[Diagram of orbit and exposures]
Visit Proposal 17002, Visit 12
Diagnostic Status: Warning
Scientific Instruments: WFC3/UVIS
Special Requirements: BETWEEN 10-DEC-2022:00:00:00 AND 11-DEC-2022:00:00:00

Diagnostics
(initial check (12.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(neutralizer (12.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(final check (12.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

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<td>Exp. Time (Total)/[Actual Dur.]</td>
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### Proposal 17002 - Visit 13 - WFC3 UVIS Bowtie Monitor

**Visit**
- **Proposal 17002, Visit 13**
- **Diagnostic Status:** Warning
- **Scientific Instruments:** WFC3/UVIS
- **Special Requirements:** BETWEEN 13-DEC-2022:00:00:00 AND 14-DEC-2022:00:00:00

**Diagnostics**
- **(initial check (13.001))** Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.
- **(neutralizer (13.002))** Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.
- **(final check (13.003))** Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.

**Exposures**

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<td>Sequence 1-3 Non-In t in Visit 13</td>
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**Orbit Structure**

Orbit 1
- Unused Orbital Visibility = 3142
- Exp. 1
- Exp. 2
- Exp. 3
- Config
- Occultation

**Server Version:** 20220516
Diagnostic Status: Warning

Scientific Instruments: WFC3/UVIS
Special Requirements: BETWEEN 16-DEC-2022:00:00:00 AND 17-DEC-2022:00:00:00

Diagnostics

(initial check (14.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.
(neutralizer (14.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.
(final check (14.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.

Exposures

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Proposal 17002 - Visit 15 - WFC3 UVIS Bowtie Monitor

**Visit**

- Proposal 17002, Visit 15
- Diagnostic Status: Warning
- Scientific Instruments: WFC3/UVIS
- Special Requirements: BETWEEN 19-DEC-2022:00:00:00 AND 20-DEC-2022:00:00:00

## Diagnostics

(initial check (15.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(neutralizer (15.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(final check (15.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

### Exposures

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**Orbit Structure**

- **Orbit 1**
  - Unused Orbital Visibility = 3142
  - Exp. 1
  - Exp. 2
  - Exp. 3
  - Reconfig

- **Occultation**

Server Version: 20220516
Visit 17002, Visit 16

Diagnostic Status: Warning

Scientific Instruments: WFC3/UVIS

Special Requirements: BETWEEN 22-DEC-2022:00:00:00 AND 23-DEC-2022:00:00:00

Diagnostics

(initial check (16.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(neutralizer (16.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(final check (16.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

Exposures

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Orbit Structure

(orbit 1) Unused Orbital Visibility = 3142

Exp. 1

Exp. 2

Exp. 3

Reconfig

Occultation

Server Version: 20220516
Proposal 17002 - Visit 17 - WFC3 UVIS Bowtie Monitor

Visit

Proposal 17002, Visit 17
Diagnostic Status: Warning
Scientific Instruments: WFC3/UVIS
Special Requirements: BETWEEN 25-DEC-2022:00:00:00 AND 26-DEC-2022:00:00:00

Diagnostics
(initial check (17.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(neutralizer (17.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(final check (17.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

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Orbit Structure

Orbit 1
Unused Orbital Visibility = 3142
Exp. 1
Exp. 2
Exp. 3
Reconfig

Server Version: 20220516
Proposal 17002 - Visit 18 - WFC3 UVIS Bowtie Monitor

Visit
Proposal 17002, Visit 18
Diagnostic Status: Warning
Scientific Instruments: WFC3/UVIS
Special Requirements: BETWEEN 28-DEC-2022:00:00:00 AND 29-DEC-2022:00:00:00

Diagnostics
(initial check (18.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(neutralizer (18.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(final check (18.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

Exposures

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Orbit Structure

Orbit 1
Exp. 1
Unused Orbital Visibility = 3142
Exp. 2
Exp. 3
Reconfig
Occultation

Server Version: 20220516
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**Diagnostics**

(initial check (19.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(neutralizer (19.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(final check (19.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
### Diagnostic Status
Warning

### Scientific Instruments
WFC3/UVIS

### Special Requirements
BETWEEN 03-JAN-2023:00:00:00 AND 04-JAN-2023:00:00:00

### Diagnostics

(initial check (20.001))
Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(neutralizer (20.002))
Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(final check (20.003))
Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

### Exposures

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### Orbit Structure

- **Orbit 1**
  - Exp. 1
  - Unused Orbital Visibility = 3142
- **Exp. 2**
- **Exp. 3**
- **Reconfig**
- **Occultation**

---

**Server Version: 20220516**
Visit 17002, Visit 21 - WFC3 UVIS Bowtie Monitor

Diagnostics

(initial check (21.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(neutralizer (21.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(final check (21.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

Exposures

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Orbit Structure

Orbit 1
Exp. 1
Unused Orbital Visibility = 3142
Exp. 2
Exp. 3
Reconfig
Occultation

Server Version: 20220516
**Proposal 17002 - Visit 22 - WFC3 UVIS Bowtie Monitor**

**Visit**
- Scientific Instruments: WFC3/UVIS
- Special Requirements: ON HOLD
- **On Hold Comments:** For contingency use only.

**Diagnostics**
- **Warning (Form):** FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.

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**Exposures**

**Orbit Structure**

**Server Version: 20220516**
Proposal 17002 - Visit 23 - WFC3 UVIS Bowtie Monitor

Diagnostics

(initial check (23.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(neutralizer (23.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(final check (23.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

Exposures

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Orbit Structure

Orbit 1
Unused Orbital Visibility = 3142
Exp. 1
Exp. 2
Exp. 3
Reconfig

Occultation
**Proposal 17002 - Visit 24 - WFC3 UVIS Bowtie Monitor**

**Visit**
- Proposal 17002, Visit 24
- Diagnostic Status: Warning
- Scientific Instruments: WFC3/UVIS
- Special Requirements: ON HOLD
  - On Hold Comments: For contingency use only.

**Diagnostics**
- (initial check (24.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
- (neutralizer (24.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
- (final check (24.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

**Exposures**

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**Orbit Structure**

- Orbit 1
  - Exp. 1
  - Exp. 2
  - Exp. 3
  - Reconfig
  - Unused Orbital Visibility = 3142

**Server Version: 20220516**
Diagnosis Status: Warning

Scientific Instruments: WFC3/UVIS

Special Requirements: ON HOLD

On Hold Comments: For contingency use only.

---

**Diagnostics**

(initial check (25.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(neutralizer (25.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(final check (25.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

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### Exposures

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**Orbit Structure**

Orbit 1
Unused Orbital Visibility = 3142
Exp. 1
Exp. 2
Exp. 3
Reconfig

Occultation

Server Version: 20220516
Proposal 17002 - Visit 26 - WFC3 UVIS Bowtie Monitor

**Visit**

- Proposal 17002, Visit 26
- Diagnostic Status: Warning
- Scientific Instruments: WFC3/UVIS
- Special Requirements: ON HOLD
- On Hold Comments: For contingency use only.

**Diagnostics**

- (initial check (26.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.
- (neutralizer (26.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.
- (final check (26.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.

**Exposures**

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**Orbit Structure**

- Orbit 1
- Exp. 1
  - Unused Orbital Visibility = 3142
- Exp. 2
- Exp. 3
- Reconfig
- Occultation

- Server Version: 20220516
**Proposal 17002 - Visit 27 - WFC3 UVIS Bowtie Monitor**

**Visit**
- Proposal 17002, Visit 27
- Diagnostic Status: Warning
- Scientific Instruments: WFC3/UVIS
- Special Requirements: ON HOLD

*On Hold Comments: For contingency use only.*

**Diagnostics**

(initial check (27.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(neutralizer (27.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(final check (27.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

**Exposures**

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**Orbit Structure**

*Orbit 1*

Unused Orbital Visibility = 3142

Exp. 1

Exp. 2

Exp. 3

Reconfig

Occultation

*Server Version: 20220516*
Diagnostic Status: Warning
Scientific Instruments: WFC3/UVIS
Special Requirements: ON HOLD
On Hold Comments: For contingency use only.

(initial check (28.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(neutralizer (28.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(final check (28.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

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Proposal 17002 - Visit 29 - WFC3 UVIS Bowtie Monitor

Visit

Proposal 17002, Visit 29
Scientific Instruments: WFC3/UVIS
Special Requirements: ON HOLD
On Hold Comments: For contingency use only.

Diagnostic Status: Warning

Diagnostics

(initial check (29.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(neutralizer (29.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(final check (29.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

Exposures

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Orbit Structure

Orbit 1
Unused Orbital Visibility = 3142

Server Version: 20220516
**Proposal 17002 - Visit 30 - WFC3 UVIS Bowtie Monitor**

**Visit**
- Proposal 17002, Visit 30
- Diagnostic Status: Warning
- Scientific Instruments: WFC3/UVIS
- Special Requirements: BETWEEN 09-JAN-2023:00:00:00 AND 10-JAN-2023:00:00:00

**Diagnostics**
- (initial check (30.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
- (neutralizer (30.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
- (final check (30.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

**Exposures**

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<td>1.0 Secs (1 Secs)</td>
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**Orbit Structure**
- Orbit 1
  - Unused Orbital Visibility = 3142
  - Exp. 1
  - Exp. 2
  - Exp. 3
  - Reconfig
  - Occultation

**Server Version: 20220516**
Proposal 17002 - Visit 31 - WFC3 UVIS Bowtie Monitor

**Visit**

Proposal 17002, Visit 31

Diagnostic Status: Warning

Scientific Instruments: WFC3/UVIS

Special Requirements: BETWEEN 12-JAN-2023:00:00:00 AND 13-JAN-2023:00:00:00

---

**Diagnostics**

(initial check (31.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(neutralizer (31.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(final check (31.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

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**Exposures**

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**Orbit Structure**

Orbit 1

Unused Orbital Visibility = 3142

Exp. 1

Exp. 2

Exp. 3

Reconfig

Occultation

Server Version: 20220516

---

Thu Jul 14 15:01:16 GMT 2022
Visit 32 - WFC3 UVIS Bowtie Monitor

Proposal 17002 - Visit 32 - WFC3 UVIS Bowtie Monitor

Diagnostic Status: Warning
Scientific Instruments: WFC3/UVIS
Special Requirements: BETWEEN 15-JAN-2023:00:00:00 AND 16-JAN-2023:00:00:00

Diagnostics

(initial check (32.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(neutralizer (32.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(final check (32.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

Exposures

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Orbit Structure

Orbit 1

Exp. 1
Unused Orbital Visibility = 3142

Exp. 2
Exp. 3
Reconfig

Occultation

Server Version: 20220516
Proposal 17002 - Visit 33 - WFC3 UVIS Bowtie Monitor

Visit
Proposal 17002, Visit 33
Diagnostic Status: Warning
Scientific Instruments: WFC3/UVIS
Special Requirements: BETWEEN 18-JAN-2023:00:00:00 AND 19-JAN-2023:00:00:00

Diagnostics
(initial check (33.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(neutralizer (33.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(final check (33.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

Exposures

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Orbit Structure

Orbit 1
Exp. 1
Unused Orbital Visibility = 3142
Exp. 2
Exp. 3
Reconfig

Server Version: 20220516
Diagnostics

(initial check (34.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.

(neutralizer (34.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.

(final check (34.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.

Exposures

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Orbit Structure

**Orbit 1**

Unused Orbital Visibility = 3142

Exp. 1

Exp. 2

Exp. 3

Reconfig

Occultation

Server Version: 20220516
**Proposal 17002 - Visit 35 - WFC3 UVIS Bowtie Monitor**

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<th>Opt. Params</th>
<th>Special Reqs</th>
<th>Groups</th>
<th>Exp. Time (Total)/[Actual Dur.]</th>
<th>Orbit</th>
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<tr>
<td>1</td>
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<td>WFC3/UVIS, ACCUM, UVIS</td>
<td>F475X</td>
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<td>Sequence 1-3 Non-In</td>
<td>Sequence 1-3 Non-In</td>
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<tr>
<td>2</td>
<td>neutralizer</td>
<td>TUNGSTEN</td>
<td>WFC3/UVIS, ACCUM, UVIS</td>
<td>F475X</td>
<td>BIN=3</td>
<td>Sequence 1-3 Non-In</td>
<td>Sequence 1-3 Non-In</td>
<td>200.0 Secs (200 Secs)</td>
<td>[I]</td>
</tr>
<tr>
<td>3</td>
<td>final check</td>
<td>TUNGSTEN</td>
<td>WFC3/UVIS, ACCUM, UVIS</td>
<td>F475X</td>
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<td>Sequence 1-3 Non-In</td>
<td>1.0 Secs (1 Secs)</td>
<td>[I]</td>
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**Diagnostics**

(initial check (35.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.

(neutralizer (35.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.

(final check (35.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.

**Orbit Structure**

Unused Orbital Visibility = 3142

Exp. 1

Exp. 2

Exp. 3

Reconfig

Occultation

Server Version: 20220516
Proposal 17002 - Visit 36 - WFC3 UVIS Bowtie Monitor

Diagnostics

(initial check (36.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(neutralizer (36.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(final check (36.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

Exposures

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Orbit Structure

Orbit 1
Unused Orbital Visibility = 3142
Exp. 1
Exp. 2
Exp. 3
Reconf

Server Version: 20220516
Visit 37 - WFC3 UVIS Bowtie Monitor

Diagnostic Status: Warning
Scientific Instruments: WFC3/UVIS
Special Requirements: BETWEEN 30-JAN-2023:00:00:00 AND 31-JAN-2023:00:00:00

Diagnostics

(initial check (37.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(neutralizer (37.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(final check (37.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

Exposures

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Orbit Structure

Server Version: 20220516
**Proposal 17002 - Visit 38 - WFC3 UVIS Bowtie Monitor**

**Visit**
- **Proposal 17002, Visit 38**
- **Diagnostic Status:** Warning
- **Scientific Instruments:** WFC3/UVIS
- **Special Requirements:** BETWEEN 02-FEB-2023:00:00:00 AND 03-FEB-2023:00:00:00

**Diagnostics**
(initial check (38.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(neutralizer (38.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(final check (38.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

**Exposures**

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<td>WFC3/UVIS, ACCUM, UVIS</td>
<td>F475X</td>
<td>BIN=3</td>
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<td>Sequence 1-3 Non-Int in Visit 38</td>
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<td>Sequence 1-3 Non-Int in Visit 38</td>
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**Orbit Structure**

- **Orbit 1**
  - Unused Orbital Visibility = 3142
  - Exp. 1
  - Exp. 2
  - Exp. 3
  - Reconfig
  - Occultation

**Server Version:** 20220516
Proposal 17002 - Visit 39 - WFC3 UVIS Bowtie Monitor

Diagnostics

(initial check (39.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(neutralizer (39.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(final check (39.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

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Orbit Structure

Orbit 1

Exp. 1
Unused Orbital Visibility = 3142

Exp. 2
Exp. 3
Reconfig

Occultation

Server Version: 20220516
### Diagnostics

(initial check (40.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.

(final check (40.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.

### Exposures

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### Orbit Structure

Orbit 1

Exp. 1
Unused Orbital Visibility = 3142

Exp. 2

Exp. 3
Reconfig

Occultation

Server Version: 20220516
### Proposal 17002 - Visit 41 - WFC3 UVIS Bowtie Monitor

**Visit**
- **Proposal 17002, Visit 41**
- Diagnostic Status: Warning
- Scientific Instruments: WFC3/UVIS
- Special Requirements: BETWEEN 11-FEB-2023:00:00:00 AND 12-FEB-2023:00:00:00

**Diagnostics**
- (initial check (41.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
- (neutralizer (41.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
- (final check (41.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

**Exposures**

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**Orbit Structure**

- **Orbit 1**
  - Unused Orbital Visibility = 3142
  - Exp. 1
  - Exp. 2
  - Exp. 3
  - Reconfig
  - Occultation

**Server Version:** 20220516
## Proposal 17002 - Visit 42 - WFC3 UVIS Bowtie Monitor

### Visit
- **Proposal 17002, Visit 42**
- **Diagnostic Status:** Warning
- **Scientific Instruments:** WFC3/UVIS
- **Special Requirements:** BETWEEN 14-FEB-2023:00:00:00 AND 15-FEB-2023:00:00:00

### Diagnostics
- (initial check (42.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
- (neutralizer (42.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
- (final check (42.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

### Exposures

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### Orbit Structure

**Orbit 1**
- Unused Orbital Visibility = 3142
- Exp. 1
- Exp. 2
- Exp. 3
- Reconfig
- Occultation

Server Version: 20220516

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Proposal 17002 - Visit 43 - WFC3 UVIS Bowtie Monitor

Visit

Proposal 17002, Visit 43
Diagnostics Status: Warning
Scientific Instruments: WFC3/UVIS
Special Requirements: BETWEEN 17-FEB-2023:00:00:00 AND 18-FEB-2023:00:00:00

Diagnostics

(initial check (43.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(neutralizer (43.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(final check (43.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

Exposures

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Orbit Structure

Orbit 1

Unused Orbital Visibility = 3142

Exp. 1

Exp. 2

Exp. 3

Reconfig

Occultation

Server Version: 20220516
## Proposal 17002 - Visit 44 - WFC3 UVIS Bowtie Monitor

**Diagnostic Status:** Warning

**Scientific Instruments:** WFC3/UVIS

**Special Requirements:** BETWEEN 20-FEB-2023:00:00:00 AND 21-FEB-2023:00:00:00

### Diagnostics

(initial check (44.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(neutralizer (44.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(final check (44.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

### Exposures

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### Orbit Structure

Orbit 1

Unused Orbital Visibility = 3142

Exp. 1

Exp. 2

Exp. 3

Reconfig

Occultation

Server Version: 20220516
Proposal 17002 - Visit 45 - WFC3 UVIS Bowtie Monitor

Visit 45
Diagnostic Status: Warning
Scientific Instruments: WFC3/UVIS
Special Requirements: BETWEEN 23-FEB-2023:00:00:00 AND 24-FEB-2023:00:00:00

Diagnostics
(initial check (45.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(neutralizer (45.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(final check (45.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

Exposures

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Orbit Structure

Server Version: 20220516
Diagnostics

(initial check (46.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(neutralizer (46.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(final check (46.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

Exposures

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Orbit Structure

Orbit 1
Unused Orbital Visibility = 3142

Exp. 1
Exp. 2
Exp. 3
Reconfig
Occultation

Server Version: 20220516
## Proposal 17002 - Visit 47 - WFC3 UVIS Bowtie Monitor

**Visit**
- **Proposal 17002, Visit 47**
- **Diagnostic Status:** Warning
- **Scientific Instruments:** WFC3/UVIS
- **Special Requirements:** BETWEEN 01-MAR-2023:00:00 AND 02-MAR-2023:00:00

**Diagnostics**
- (initial check (47.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
- (neutralizer (47.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
- (final check (47.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

**Exposures**

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<td>BIN=3</td>
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<td>200.0 Secs (200 Secs)</td>
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**Orbit Structure**

- **Orbit 1**
  - **Exp. 1**
    - **Unused Orbital Visibility = 3142**
  - **Exp. 2**
  - **Exp. 3**
  - **Reconfig**
  - **Occultation**

**Server Version:** 20220516
**Proposal 17002 - Visit 48 - WFC3 UVIS Bowtie Monitor**

**Visit**

- **Diagnostic Status:** Warning
- **Scientific Instruments:** WFC3/UVIS
- **Special Requirements:** BETWEEN 04-MAR-2023:00:00:00 AND 05-MAR-2023:00:00:00

**Diagnostics**

(initial check (48.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.

(neutralizer (48.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.

(final check (48.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.

**Exposures**

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**Orbit Structure**

- **Orbit 1**
  - **Exp. 1**
    - Unused Orbital Visibility = 3142
  - **Exp. 2**
  - **Exp. 3**
  - **Reconfig**
  - **Occultation**
Proposal 17002 - Visit 49 - WFC3 UVIS Bowtie Monitor

Visit

Proposal 17002, Visit 49
Diagnostic Status: Warning
Scientific Instruments: WFC3/UVIS
Special Requirements: BETWEEN 07-MAR-2023:00:00:00 AND 08-MAR-2023:00:00:00

Diagnostics

(initial check (49.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(neutralizer (49.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(final check (49.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

Exposures

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Orbit Structure

Orbit 1
Unused Orbital Visibility = 3142
Exp. 1
Exp. 2
Exp. 3
Reconfig
Occultation

Server Version: 20220516
Proposal 17002 - Visit 50 - WFC3 UVIS Bowtie Monitor

**Visit**

- **Proposal 17002, Visit 50**
- **Diagnostic Status:** Warning
- **Scientific Instruments:** WFC3/UVIS
- **Special Requirements:** BETWEEN 10-MAR-2023:00:00 AND 11-MAR-2023:00:00

**Diagnostics**

- (initial check (50.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.
- (neutralizer (50.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.
- (final check (50.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.

**Exposures**

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**Orbit Structure**

Orbit 1

**Exp. 1**
Unused Orbital Visibility = 3142

**Exp. 2**

**Exp. 3**

Reconfig

Occultation

Server Version: 20220516
Proposal 17002 - Visit 51 - WFC3 UVIS Bowtie Monitor

Diagnostics

(initial check (51.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(neutralizer (51.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(final check (51.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

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<td>Sequence 1-3 Non-Int in Visit 51</td>
<td>200.0 Secs</td>
<td>[200 Secs]</td>
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<td>Sequence 1-3 Non-Int in Visit 51</td>
<td>1.0 Secs</td>
<td>[1 Secs]</td>
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Orbit Structure

Orbit 1
Unused Orbital Visibility = 3142

Exp. 1
Exp. 2
Exp. 3
Reconfig

Occultation

Server Version: 20220516
Visit 52

Diagnostic Status: Warning

Scientific Instruments: WFC3/UVIS

Special Requirements: BETWEEN 16-MAR-2023:00:00:00 AND 17-MAR-2023:00:00:00

Diagnostics

(initial check (52.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(neutralizer (52.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(final check (52.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

Exposures

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Proposal 17002 - Visit 53 - WFC3 UVIS Bowtie Monitor

**Visits**
- **Proposal 17002, Visit 53**

**Scientific Instruments**: WFC3/UVIS

**Special Requirements**: BETWEEN 19-MAR-2023:00:00 AND 20-MAR-2023:00:00

**Diagnostic Status**: Warning

**Diagnostic Details**
- (initial check (53.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.
- (neutralizer (53.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.
- (final check (53.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.

**Exposures**

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**Orbit Structure**

- **Orbit 1**
  - Unused Orbital Visibility = 3142
  - Exp. 1
  - Exp. 2
  - Exp. 3
  - Reconfig
  - Occultation

**Server Version**: 20220516
# Proposal 17002 - Visit 54 - WFC3 UVIS Bowtie Monitor

**Visit**
- **Proposal 17002, Visit 54**
- **Diagnostics Status:** Warning
- **Scientific Instruments:** WFC3/UVIS
- **Special Requirements:** BETWEEN 22-MAR-2023:00:00 AND 23-MAR-2023:00:00

**Diagnostics**

(initial check (54.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(neutralizer (54.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(final check (54.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

**Exposures**

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**Orbit Structure**

- **Orbit 1**
- **Unused Orbital Visibility = 3142**
- **Exp. 1**
- **Exp. 2**
- **Exp. 3**
- **Reconfig**
- **Occultation**

**Server Version:** 20220516
**Proposal 17002 - Visit 55 - WFC3 UVIS Bowtie Monitor**

**Visit**
- **Proposal 17002, Visit 55**
- **Diagnostic Status:** Warning
- **Scientific Instruments:** WFC3/UVIS
- **Special Requirements:** BETWEEN 25-MAR-2023:00:00:00 AND 26-MAR-2023:00:00:00

**Diagnostics**
- (initial check (55.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
- (neutralizer (55.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
- (final check (55.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

**Exposures**

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**Orbit Structure**
- **Orbit 1**
  - Unused Orbital Visibility = 3142
  - Exp. 1
  - Exp. 2
  - Exp. 3
  - Reconfig
  - Occultation

**Server Version:** 20220516

---

62
### Diagnostic Status: Warning

**Scientific Instruments:** WFC3/UVIS  
**Special Requirements:** BETWEEN 28-MAR-2023:00:00:00 AND 29-MAR-2023:00:00:00

**Diagnostics**

(initial check (56.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(neutralizer (56.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(final check (56.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

### Exposures

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### Orbit Structure

Server Version: 20220516

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### Proposal 17002 - Visit 57 - WFC3 UVIS Bowtie Monitor

**Visit**
- Proposal 17002, Visit 57
- Diagnostic Status: Warning
- Scientific Instruments: WFC3/UVIS
- Special Requirements: BETWEEN 31-MAR-2023:00:00:00 AND 01-APR-2023:00:00:00

**Diagnostics**

(initial check (57.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(neutralizer (57.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(final check (57.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

### Exposures

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<td>1.0 Secs (1 Secs)</td>
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### Orbit Structure

- Server Version: 20220516
- Orbit 1
  - Exp. 1
    - Unused Orbital Visibility = 3142
  - Exp. 2
  - Exp. 3
  - Reconfig
### Proposal 17002 - Visit 58 - WFC3 UVIS Bowtie Monitor

**Visit**
- Proposal 17002, Visit 58
- Diagnostic Status: Warning
- Scientific Instruments: WFC3/UVIS
- Special Requirements: BETWEEN 03-APR-2023:00:00:00 AND 04-APR-2023:00:00:00

**Diagnostics**

- **(initial check (58.001))** Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.
- **(neutralizer (58.002))** Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.
- **(final check (58.003))** Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.

**Exposures**

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**Orbit Structure**

- Orbit 1
  - Exp. 1
  - Unused Orbital Visibility = 3142
  - Exp. 2
  - Exp. 3
  - Reconfig
  - Occultation

*Server Version: 20220516*
Proposal 17002 - Visit 59 - WFC3 UVIS Bowtie Monitor

Diagnostics

(initial check (59.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.

(neutralizer (59.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.

(final check (59.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.

Exposures

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<td>F475X</td>
<td>BIN=3</td>
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<td>1.0 Secs (1 Secs)</td>
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Server Version: 20220516

Orbit Structure
**Proposal 17002 - Visit 60 - WFC3 UVIS Bowtie Monitor**

**Visit**
- **Proposal 17002, Visit 60**
- **Diagnostic Status:** Warning
- **Scientific Instruments:** WFC3/UVIS
- **Special Requirements:** BETWEEN 09-APR-2023:00:00:00 AND 10-APR-2023:00:00:00

**Diagnostics**
- (initial check (60.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
- (neutralizer (60.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
- (final check (60.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

**Exposures**

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**Orbit Structure**
- **Orbit 1**
  - Unused Orbital Visibility = 3142
  - Exp. 1
  - Exp. 2
  - Exp. 3
  - Reconfig
  - Occultation
Visits
Proposal 17002, Visit 61
Diagnostic Status: Warning
Scientific Instruments: WFC3/UVIS
Special Requirements: BETWEEN 12-APR-2023:00:00:00 AND 13-APR-2023:00:00:00

Diagnostics
(initial check (61.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(neutralizer (61.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(final check (61.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

Exposures

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<td>F475X</td>
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Orbit Structure

Server Version: 20220516
Proposal 17002 - Visit 62 - WFC3 UVIS Bowtie Monitor

Diagnostics

(initial check (62.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.

(neutralizer (62.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.

(final check (62.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.

Exposures

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Orbit Structure

Server Version: 20220516

Proposition 17002, Visit 62
Diagnostic Status: Warning
Scientific Instruments: WFC3/UVIS
Special Requirements: BETWEEN 15-APR-2023:00:00:00 AND 16-APR-2023:00:00:00

Thu Jul 14 15:01:17 GMT 2022
Proposal 17002 - Visit 63 - WFC3 UVIS Bowtie Monitor

Diagnostics

(initial check (63.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(neutralizer (63.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(final check (63.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

Exposures

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Orbit Structure
Visit 64 - WFC3 UVIS Bowtie Monitor

Proposal 17002, Visit 64
Diagnostic Status: Warning
Scientific Instruments: WFC3/UVIS
Special Requirements: BETWEEN 21-APR-2023:00:00:00 AND 22-APR-2023:00:00:00

Diagnostics

(initial check (64.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(neutralizer (64.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(final check (64.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

Exposures

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Orbit Structure

Orbit 1
Unused Orbital Visibility = 3142
Exp. 1
Exp. 2
Exp. 3
Reconfig

Occultation

Server Version: 20220516
Proposal 17002 - Visit 65 - WFC3 UVIS Bowtie Monitor

Diagnostics

(initial check (65.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(neutralizer (65.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(final check (65.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

Exposures

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<td>1.0 Secs (1 Secs)</td>
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Proposal 17002 - Visit 66 - WFC3 UVIS Bowtie Monitor

Visit
Proposal 17002, Visit 66
Diagnostic Status: Warning
Scientific Instruments: WFC3/UVIS
Special Requirements: BETWEEN 27-APR-2023:00:00:00 AND 28-APR-2023:00:00:00

Diagnostics

(initial check (66.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(neutralizer (66.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(final check (66.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

Exposures

|---|-------------|--------|----------------------|---------------|--------------|---------------|--------|---------------------------------|-------|
| 1 | initial check | TUNGSTEN | WFC3/UVIS, ACCUM, UVIS | F475X | BIN=3 | Sequence 1-3 Non-Int in Visit 66 | 1.0 Secs (1 Secs) | ![1](1)
| 2 | neutralizer | TUNGSTEN | WFC3/UVIS, ACCUM, UVIS | F475X | BIN=3 | Sequence 1-3 Non-Int in Visit 66 | 200.0 Secs (200 Secs) | ![1](1)
| 3 | final check | TUNGSTEN | WFC3/UVIS, ACCUM, UVIS | F475X | BIN=3 | Sequence 1-3 Non-Int in Visit 66 | 1.0 Secs (1 Secs) | ![1](1)

Orbit Structure

[Orbit Diagram]

Server Version: 20220516
Proposition 17002 - Visit 67 - WFC3 UVIS Bowtie Monitor

**Visit**

**Proposal 17002, Visit 67**  
Diagnostic Status: Warning  
Scientific Instruments: WFC3/UVIS  
Special Requirements: BETWEEN 30-APR-2023:00:00:00 AND 01-MAY-2023:00:00:00  

**Diagnostics**  
(initial check (67.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser  
(neutralizer (67.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser  
(final check (67.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

**Exposures**

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**Orbit Structure**

- Orbit 1: Unused Orbital Visibility = 3142
  - Exp. 1, Exp. 2, Exp. 3, Reconfig
    - Occultation

**Server Version:** 20220516
## Proposal 17002 - Visit 68 - WFC3 UVIS Bowtie Monitor

**Visit**

- Proposal 17002, Visit 68
- Diagnostic Status: Warning
- Scientific Instruments: WFC3/UVIS
- Special Requirements: BETWEEN 03-MAY-2023:00:00:00 AND 04-MAY-2023:00:00:00

### Diagnostics

(initial check (68.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(neutralizer (68.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(final check (68.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

### Exposures

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<td>Sequence 1-3 Non-Inst in Visit 68</td>
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<td><img src="image" alt="Exp. Time/Actual Dur." /></td>
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### Orbit Structure

**Orbit 1**

- Unused Orbital Visibility = 3142
  - Exp. 1
    - Exp. 2
      - Exp. 3
      - Reconfig

**Server Version:** 20220516
### Proposal 17002 - Visit 69 - WFC3 UVIS Bowtie Monitor

**Visit**

**Proposal 17002, Visit 69**

**Diagnostic Status:** Warning

**Scientific Instruments:** WFC3/UVIS

**Special Requirements:** BETWEEN 06-MAY-2023:00:00:00 AND 07-MAY-2023:00:00:00

---

#### Diagnostics

(initial check (69.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(neutralizer (69.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(final check (69.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

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#### Exposures

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#### Orbit Structure

**Orbit 1**

Exp. 1

Unused Orbital Visibility = 3142

Exp. 2

Exp. 3

Reconfig

Occultation

Server Version: 20220516

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**Thu Jul 14 15:01:17 GMT 2022**
Visit 70

Diagnostic Status: Warning

Scientific Instruments: WFC3/UVIS

Special Requirements: BETWEEN 09-MAY-2023:00:00:00 AND 10-MAY-2023:00:00:00

---

**Diagnostics**

(initial check (70.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.

(neutralizer (70.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.

(final check (70.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.

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**Exposures**

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**Orbit Structure**

- Orbit 1
  - Unused Orbital Visibility = 3142
  - Exp. 1
  - Exp. 2
  - Exp. 3
  - Reconfig
  - Occultation

- Server Version: 20220516
Proposal 17002 - Visit 71 - WFC3 UVIS Bowtie Monitor

Visit
Proposal 17002, Visit 71
Diagnostic Status: Warning
Scientific Instruments: WFC3/UVIS
Special Requirements: BETWEEN 12-MAY-2023:00:00:00 AND 13-MAY-2023:00:00:00

Diagnostics
(initial check (71.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.
(neutralizer (71.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.
(final check (71.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.

Exposures

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Orbit Structure
Orbit 1
Unused Orbital Visibility = 3142
Exp. 1
Exp. 2
Exp. 3
Reconfig
Occultation

Server Version: 20220516
### Proposal 17002 - Visit 72 - WFC3 UVIS Bowtie Monitor

**Visit**
- **Proposal 17002, Visit 72**
- **Diagnostic Status:** Warning
- **Scientific Instruments:** WFC3/UVIS
- **Special Requirements:** BETWEEN 15-MAY-2023:00:00:00 AND 16-MAY-2023:00:00:00

**Diagnostics**
- (initial check (72.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
- (neutralizer (72.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
- (final check (72.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

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<td>t in Visit 72</td>
<td>[==&gt;]</td>
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</table>

**Orbit Structure**

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**Orbit 1**
- Exp. 1
- Unused Orbital Visibility = 3142
- Exp. 2
- Exp. 3
- Reconfig

**Occultation**

---

**Server Version:** 20220516
Visit 73 - WFC3/UVIS Bowtie Monitor

Diagnostic Status: Warning
Scientific Instruments: WFC3/UVIS
Special Requirements: BETWEEN 18-MAY-2023:00:00:00 AND 19-MAY-2023:00:00:00

Diagnostics
(initial check (73.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(neutralizer (73.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(final check (73.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

Exposures

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<td>1.0 Secs (1 Secs)</td>
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<td>1.0 Secs (1 Secs)</td>
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Orbit Structure

Orbit 1
Unused Orbital Visibility = 3142
Exp. 1
Exp. 2
Exp. 3
Reconfig

Occultation

Server Version: 20220516
**Proposal 17002 - Visit 74 - WFC3 UVIS Bowtie Monitor**

**Visit**

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<td>Special Requirements: BETWEEN 21-MAY-2023:00:00:00 AND 22-MAY-2023:00:00:00</td>
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**Diagnostics**

(initial check (74.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.

(neutralizer (74.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.

(final check (74.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.

**Exposures**

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**Orbit Structure**

Server Version: 20220516
Proposal 17002 - Visit 75 - WFC3 UVIS Bowtie Monitor

Visit
- Proposal 17002, Visit 75
- Diagnostic Status: Warning
- Scientific Instruments: WFC3/UVIS
- Special Requirements: BETWEEN 24-MAY-2023:00:00:00 AND 25-MAY-2023:00:00:00

Diagnostics

(initial check (75.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(neutralizer (75.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(final check (75.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

Exposures

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Orbit Structure

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Server Version: 20220516
Proposal 17002 - Visit 76 - WFC3 UVIS Bowtie Monitor

Visit
Proposal 17002, Visit 76
Diagnostic Status: Warning
Scientific Instruments: WFC3/UVIS
Special Requirements: BETWEEN 27-MAY-2023:00:00:00 AND 28-MAY-2023:00:00:00

Diagnostics
(initial check (76.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(neutralizer (76.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(final check (76.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

Exposures

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Orbit Structure

Server Version: 20220516
### Proposal 17002 - Visit 77 - WFC3 UVIS Bowtie Monitor

**Visit**
- **Proposal 17002, Visit 77**
- **Diagnostic Status:** Warning
- **Scientific Instruments:** WFC3/UVIS
- **Special Requirements:** BETWEEN 30-MAY-2023:00:00:00 AND 31-MAY-2023:00:00:00

**Diagnostics**
- (initial check (77.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
- (neutralizer (77.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
- (final check (77.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

### Exposures

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### Orbit Structure
- **Orbit 1**
  - Exp. 1
    - Unused Orbital Visibility = 3142
  - Exp. 2
  - Exp. 3
  - Reconfig
  - Occultation

---

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**Proposal 17002 - Visit 78 - WFC3 UVIS Bowtie Monitor**

**Visit**
- **Proposal 17002, Visit 78**
- **Diagnostic Status:** Warning
- **Scientific Instruments:** WFC3/UVIS
- **Special Requirements:** BETWEEN 02-JUN-2023:00:00:00 AND 03-JUN-2023:00:00:00

**Diagnostics**

(Initial check (78.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.

(Neutralizer (78.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.

(Final check (78.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.

**Exposures**

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<tr>
<td>2</td>
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<td>BIN=3</td>
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<td>200.0 Secs (200 Secs)</td>
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</tr>
<tr>
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<td>WFC3/UVIS, ACCUM, UVIS</td>
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<td></td>
<td>Sequence 1-3 Non-Int in Visit 78</td>
<td>1.0 Secs (1 Secs)</td>
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</table>

**Orbit Structure**

- **Orbit 1**
  - Unused Orbital Visibility = 3142
  - Exp. 1
  - Exp. 2
  - Exp. 3
  - Reconfig

- **Occultation**

**Server Version:** 20220516

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Diagnostics

(initial check (79.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(neutralizer (79.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(final check (79.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

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<td>F475X</td>
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<td>Sequence 1-3 Non-Init in Visit 79</td>
<td>200.0 Secs (200 Secs)</td>
<td>[1]</td>
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<td>1.0 Secs (1 Secs)</td>
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Orbit Structure

Server Version: 20220516
## Proposal 17002 - Visit 80 - WFC3 UVIS Bowtie Monitor

### Visit
- **Proposal 17002, Visit 80**
- **Diagnostic Status:** Warning
- **Scientific Instruments:** WFC3/UVIS
- **Special Requirements:** BETWEEN 08-JUN-2023:00:00:00 AND 09-JUN-2023:00:00:00

### Diagnostics
(initial check (80.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.

(neutralizer (80.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.

(final check (80.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.

### Exposures

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<td>2</td>
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<td>1.0 Secs (1 Secs)</td>
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### Orbit Structure

**Orbit 1**
- Unused Orbital Visibility = 3142
- Exp. 1
- Exp. 2
- Exp. 3
- Reconfig

**Server Version:** 20220516
### Proposal 17002 - Visit 81 - WFC3 UVIS Bowtie Monitor

**Visit**
- **Proposal 17002, Visit 81**
- **Diagnostic Status:** Warning
- **Scientific Instruments:** WFC3/UVIS
- **Special Requirements:** BETWEEN 11-JUN-2023:00:00:00 AND 12-JUN-2023:00:00:00

**Proposed Exposure Diagram**
- **Orbit Structure**
- **Unused Orbital Visibility = 3142**
- **Exp. 1**
- **Exp. 2**
- **Exp. 3**
- **Reconfig**
- **Occultation**
- **Server Version: 20220516**

### Diagnostics
- **(initial check (81.001))** Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
- **(neutralizer (81.002))** Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
- **(final check (81.003))** Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

### Exposures

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Proposal 17002 - Visit 82 - WFC3 UVIS Bowtie Monitor

Visit

Proposal 17002, Visit 82
Diagnostics Status: Warning
Scientific Instruments: WFC3/UVIS
Special Requirements: BETWEEN 14-JUN-2023:00:00:00 AND 15-JUN-2023:00:00:00

Detection

Diagnostics
(initial check (82.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(neutralizer (82.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(final check (82.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

Exposures

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Orbit Structure

Server Version: 20220516

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Visit 82

Thu Jul 14 15:01:18 GMT 2022

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Proposal 17002 - Visit 83 - WFC3 UVIS Bowtie Monitor

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<td>F475X</td>
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<td>200.0 Secs (200 Secs)</td>
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<td>F475X</td>
<td>BIN=3</td>
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<td>1.0 Secs (1 Secs)</td>
<td>[1]</td>
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Diagnostics

(initial check (83.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.
(neutralizer (83.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.
(final check (83.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.

Orbit Structure

Orbit 1
Exp. 1
Unused Orbital Visibility = 3142
Exp. 2
Exp. 3
Reconfig
Occultation

Server Version: 20220516
Proposal 17002 - Visit 84 - WFC3 UVIS Bowtie Monitor

Visit
Proposal 17002, Visit 84
Diagnostic Status: Warning
Scientific Instruments: WFC3/UVIS
Special Requirements: BETWEEN 20-JUN-2023:00:00:00 AND 21-JUN-2023:00:00:00

Diagnostics

(initial check (84.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(neutralizer (84.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(final check (84.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

Exposures

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Orbit Structure

[Diagram showing orbit and exposures]
Proposal 17002 - Visit 85 - WFC3 UVIS Bowtie Monitor

Diagnostics
(initial check (85.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(neutralizer (85.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(final check (85.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

Exposures

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(initial check (86.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(neutralizer (86.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(final check (86.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

### Exposures

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(neutralizer (87.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(final check (87.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

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Proposal 17002 - Visit 88 - WFC3 UVIS Bowtie Monitor

Visit
Proposal 17002, Visit 88
Diagnostic Status: Warning
Scientific Instruments: WFC3/UVIS
Special Requirements: BETWEEN 02-JUL-2023:00:00:00 AND 03-JUL-2023:00:00:00

Diagnostics

(initial check (88.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.
(neutralizer (88.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.
(final check (88.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.

Exposures

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Orbit Structure

Orbit 1
Unused Orbital Visibility = 3142
Exp. 1
Exp. 2
Exp. 3
Reconfig

Occultation

Server Version: 20220516
**Proposal 17002 - Visit 89 - WFC3 UVIS Bowtie Monitor**

**Visit**

- Proposal 17002, Visit 89
- Diagnostic Status: Warning
- Scientific Instruments: WFC3/UVIS
- Special Requirements: BETWEEN 05-JUL-2023:00:00:00 AND 06-JUL-2023:00:00:00

**Diagnostics**

(initial check (89.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(neutralizer (89.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(final check (89.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

**Exposures**

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**Orbit Structure**

- Unused Orbital Visibility = 3142
- Occultation

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Server Version: 20220516
Diagnostics

(initial check (90.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(neutralizer (90.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(final check (90.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

Exposures

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<td>Sequence 1-3 Non-In t in Visit 90</td>
<td>1.0 Secs (1 Secs)</td>
<td>[1]</td>
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Proposal 17002, Visit 91 - WFC3 UVIS Bowtie Monitor

Diagnostics

(initial check (91.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(neutralizer (91.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(final check (91.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

Exposures

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<td>BIN=3</td>
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Orbit Structure

Server Version: 20220516

Unused Orbital Visibility = 3142

Occultation
**Diagnostic Status:** Warning

**Scientific Instruments:** WFC3/UVIS

**Special Requirements:** BETWEEN 14-JUL-2023:00:00:00 AND 15-JUL-2023:00:00:00

---

**Diagnostics**

(initial check (92.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(neutralizer (92.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(final check (92.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

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**Exposures**

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**Orbit Structure**

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Server Version: 20220516
**Proposal 17002 - Visit 93 - WFC3 UVIS Bowtie Monitor**

**Visit**
- Proposal 17002, Visit 93
- Diagnostic Status: Warning
- Scientific Instruments: WFC3/UVIS
- Special Requirements: BETWEEN 17-JUL-2023:00:00:00 AND 18-JUL-2023:00:00:00

**Diagnoses**
- (initial check (93.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
- (neutralizer (93.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
- (final check (93.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

**Exposures**

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**Orbit Structure**
- Orbit 1
  - Exp. 1
    - Unused Orbital Visibility = 3142
  - Exp. 2
  - Exp. 3
    - Reconfig
- Occultation

**Server Version: 20220516**
Visit 94 - WFC3 UVIS Bowtie Monitor

**Diagnostics**

(initial check (94.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(neutralizer (94.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(final check (94.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

## Exposures

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**Orbit Structure**

Server Version: 20220516

Utilized Orbital Visibility = 3142
**Visit 17002, Visit 95 - WFC3 UVIS Bowtie Monitor**

**Diagnostic Status:** Warning

**Scientific Instruments:** WFC3/UVIS

**Special Requirements:** BETWEEN 23-JUL-2023:00:00:00 AND 24-JUL-2023:00:00:00

---

**Diagnostics**

(initial check (95.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(neutralizer (95.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(final check (95.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

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**Exposures**

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**Orbit Structure**

Unused Orbital Visibility = 3142

Server Version: 20220516
Proposal 17002 - Visit 96 - WFC3 UVIS Bowtie Monitor

Diagnostics

(initial check (96.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.

(neutralizer (96.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.

(final check (96.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.

Exposures

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Orbit Structure

Orbit 1
Unused Orbital Visibility = 3142

Exp. 1
Exp. 2
Exp. 3
Reconfig

Occultation

Server Version: 20220516
Proposal 17002 - Visit 97 - WFC3 UVIS Bowtie Monitor

**Diagnosis**

- **Proposal 17002, Visit 97**
- **Diagnostic Status:** Warning
- **Scientific Instruments:** WFC3/UVIS
- **Special Requirements:** BETWEEN 29-JUL-2023:00:00:00 AND 30-JUL-2023:00:00:00

**Diagnostics**

(initial check (97.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(neutralizer (97.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(final check (97.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

**Exposures**

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**Orbit Structure**

Orbit 1

Unused Orbital Visibility = 3142

Exp. 1

Exp. 2

Exp. 3

Reconfig

Occultation

Server Version: 20220516
Visit 98 - WFC3 UVIS Bowtie Monitor

Diagnostics

(initial check (98.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(neutralizer (98.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(final check (98.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

Exposures

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Orbit Structure

Orbit 1

Unused Orbital Visibility = 3142
Diagnostics

(initial check (99.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(neutralizer (99.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(final check (99.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

Exposures

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<td>1.0 Secs (1 Secs)</td>
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Diagnostics

(initial check (0A.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(neutralizer (0A.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(final check (0A.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

Exposures

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Proposal 17002 - Visit 0B - WFC3 UVIS Bowtie Monitor

Visit
Proposal 17002, Visit 0B
Diagnostic Status: Warning
Scientific Instruments: WFC3/UVIS
Special Requirements: BETWEEN 10-AUG-2023:00:00:00 AND 11-AUG-2023:00:00:00

Diagnostics
(initial check (0B.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(neutralizer (0B.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(final check (0B.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

Exposures

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Orbit Structure

Server Version: 20220516
Visit 0C - WFC3 UVIS Bowtie Monitor

Diagnostics

(initial check (0C.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(neutralizer (0C.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(final check (0C.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

Exposures

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Visit 0D - WFC3 UVIS Bowtie Monitor

**Diagnostic Status:** Warning

**Scientific Instruments:** WFC3/UVIS

**Special Requirements:** BETWEEN 16-AUG-2023:00:00:00 AND 17-AUG-2023:00:00:00

### Diagnostics

(initial check (0D.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(neutralizer (0D.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(final check (0D.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

### Exposures

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**Orbit 1**

Unused Orbital Visibility = 3142

Exp. 1

Exp. 2

Exp. 3

Reconfig

Occultation

Server Version: 20220516
**Proposal 17002 - Visit 0E - WFC3 UVIS Bowtie Monitor**

**Visit**
Proposal 17002, Visit 0E  
Diagnostic Status: Warning  
Scientific Instruments: WFC3/UVIS  
Special Requirements: BETWEEN 19-AUG-2023:00:00:00 AND 20-AUG-2023:00:00:00  

**Diagnostics**

(initial check (0E.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser  
(neutralizer (0E.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser  
(final check (0E.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser  

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**Exposures**

**Orbit Structure**

*Server Version: 20220516*

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111
Proposal 17002 - Visit 0F - WFC3 UVIS Bowtie Monitor

Visit
Proposal 17002, Visit 0F
Diagnostic Status: Warning
Scientific Instruments: WFC3/UVIS
Special Requirements: BETWEEN 22-AUG-2023:00:00:00 AND 23-AUG-2023:00:00:00

Diagnostics
(initial check (0F.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(neutralizer (0F.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(final check (0F.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

Exposures

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Orbit Structure

Orbit 1
Unused Orbital Visibility = 3142
Exp. 1
Exp. 2
Exp. 3
Reconfig
Occultation

Server Version: 20220516
Diagnostics

(initial check (0G.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(neutralizer (0G.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(final check (0G.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
## Proposal 17002 - Visit 0H - WFC3 UVIS Bowtie Monitor

### Visit
- **Proposal 17002, Visit 0H**
- **Diagnostics Status:** Warning
- **Scientific Instruments:** WFC3/UVIS
- **Special Requirements:** BETWEEN 28-AUG-2023:00:00:00 AND 29-AUG-2023:00:00:00

### Diagnostics
(initial check (0H.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(neutralizer (0H.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(final check (0H.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

### Exposures

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<tr>
<td>1</td>
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<td>TUNGSTEN</td>
<td>WFC3/UVIS, ACCUM, UVIS</td>
<td>F475X</td>
<td>BIN=3</td>
<td>Sequence 1-3 Non-In t in Visit 0H</td>
<td>1.0 Secs (1 Secs)</td>
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<td>TUNGSTEN</td>
<td>WFC3/UVIS, ACCUM, UVIS</td>
<td>F475X</td>
<td>BIN=3</td>
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<td>200.0 Secs (200 Secs)</td>
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### Orbit Structure

**Orbit 1**
- **Unused Orbital Visibility = 3142**
- **Exp. 1**
- **Exp. 2**
- **Exp. 3**
- **Reconfig**

**Server Version: 20220516**

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## Proposal 17002 - Visit 0I - WFC3 UVIS Bowtie Monitor

### Diagnostic Status: Warning

- **Scientific Instruments:** WFC3/UVIS
- **Special Requirements:** BETWEEN 31-AUG-2023:00:00:00 AND 01-SEP-2023:00:00:00

### Diagnostics

(initial check (0I.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(neutralizer (0I.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(final check (0I.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

### Exposures

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### Orbit Structure

- **Server Version:** 20220516
- **Orbit 1:** Unused Orbital Visibility = 3142
- **Exp. 1**
- **Exp. 2**
- **Exp. 3**
- **Reconfig**
- **Occultation**

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115
**Diagnostic Status:** Warning

**Scientific Instruments:** WFC3/UVIS

**Special Requirements:** BETWEEN 03-SEP-2023:00:00:00 AND 04-SEP-2023:00:00:00

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#### Diagnostics

(initial check (0J.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(neutralizer (0J.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(final check (0J.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

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<td>1.0 Secs (1 Secs)</td>
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**Orbit Structure**

Orbit 1

Unscheduled Visibility = 3142

Exp. 1

Exp. 2

Exp. 3

Reconfig

Occultation

Server Version: 20220516
Diagnostic Status: Warning
Scientific Instruments: WFC3/UVIS
Special Requirements: BETWEEN 06-SEP-2023:00:00:00 AND 07-SEP-2023:00:00:00

Diagnostics
(initial check (0K.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(neutralizer (0K.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(final check (0K.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

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Orbit Structure

Orbit 1
Unused Orbital Visibility = 3142
Exp. 1
Exp. 2
Exp. 3
Reconfig

Occultation

Server Version: 20220516
Visit Proposal 17002, Visit 0L
Diagnostics Status: Warning
Scientific Instruments: WFC3/UVIS
Special Requirements: BETWEEN 09-SEP-2023:00:00:00 AND 10-SEP-2023:00:00:00

Diagnostics

(initial check (0L.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(neutralizer (0L.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(final check (0L.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

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<td>BIN=3</td>
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Orbit Structure

Orbit 1
Exp. 1
Unused Orbital Visibility = 3142
Exp. 2
Exp. 3
Reconfig
Occultation

Server Version: 20220516
Visit 0M - WFC3 UVIS Bowtie Monitor

Proposal 17002, Visit 0M
Diagnostic Status: Warning
Scientific Instruments: WFC3/UVIS
Special Requirements: BETWEEN 12-SEP-2023:00:00:00 AND 13-SEP-2023:00:00:00

Diagnostics
(initial check (0M.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(neutralizer (0M.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(final check (0M.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

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<td>TUNGSTEN</td>
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<td>Sequence 1-3 Non-Inst in Visit 0M</td>
<td>200.0 Secs (200 Secs)</td>
<td>[1]</td>
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<tr>
<td>3</td>
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<td>TUNGSTEN</td>
<td>WFC3/UVIS, ACCUM, UVIS</td>
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<td>Sequence 1-3 Non-Inst in Visit 0M</td>
<td>1.0 Secs (1 Secs)</td>
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Orbit Structure

Unused Orbital Visibility = 3142
Exp. 1
Exp. 2
Exp. 3
Reconfig

Occultation

Server Version: 20220516

Thu Jul 14 15:01:18 GMT 2022
Proposal 17002 - Visit 0N - WFC3 UVIS Bowtie Monitor

Visit
Proposal 17002, Visit 0N
Diagnostic Status: Warning
Scientific Instruments: WFC3/UVIS
Special Requirements: BETWEEN 15-SEP-2023:00:00:00 AND 16-SEP-2023:00:00:00

Diagnostics
(initial check (0N.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(neutralizer (0N.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(final check (0N.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

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<td>initial check</td>
<td>TUNGSTEN</td>
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<td>F475X</td>
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<td></td>
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<td>2</td>
<td>neutralizer</td>
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<td>Sequence 1-3 Non-In t in Visit 0N</td>
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Orbit Structure

Server Version: 20220516
### Diagnostic Status: Warning

*Scientific Instruments: WFC3/UVIS*

*Special Requirements: BETWEEN 18-SEP-2023:00:00:00 AND 19-SEP-2023:00:00:00*

### Diagnostics

- **(initial check (00.001))** Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.
- **(neutralizer (00.002))** Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.
- **(final check (00.003))** Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.

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<td>TUNGSTEN</td>
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<td>Sequence 1-3 Non-Intermediate in Visit 0O</td>
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<td>Sequence 1-3 Non-Intermediate in Visit 0O</td>
<td>1.0 Secs (1 Secs)</td>
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### Orbit Structure

![Orbit Structure Diagram](image-url)
Diagnostics

(initial check (0P.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(neutralizer (0P.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(final check (0P.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

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<td>3</td>
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<td>WFC3/UVIS, ACCUM, UVIS</td>
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<td>1.0 Secs (1 Secs)</td>
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**Proposal 17002 - Visit 0Q - WFC3 UVIS Bowtie Monitor**

**Visit**
- Proposal 17002, Visit 0Q
- Diagnostic Status: Warning
- Scientific Instruments: WFC3/UVIS
- Special Requirements: BETWEEN 24-SEP-2023:00:00:00 AND 25-SEP-2023:00:00:00

**Diagnostics**
- (initial check (0Q.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
- (neutralizer (0Q.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
- (final check (0Q.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

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<td>WFC3/UVIS, ACCUM, UVIS</td>
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<tr>
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<td>TUNGSTEN</td>
<td>WFC3/UVIS, ACCUM, UVIS</td>
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<td>1.0 Secs (1 Secs)</td>
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**Orbit Structure**

- Orbit 1
  - Exp. 1
    - Unused Orbital Visibility = 3142
  - Exp. 3
  - Reconfg

- Occultation

*Server Version: 20220516*
Proposal 17002 - Visit 0R - WFC3 UVIS Bowtie Monitor

Visit
- Proposal 17002, Visit 0R
- Scientific Instruments: WFC3/UVIS
- Diagnostic Status: Warning
- Special Requirements: BETWEEN 27-SEP-2023:00:00:00 AND 28-SEP-2023:00:00:00

Diagnostics
(initial check (0R.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(neutralizer (0R.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(final check (0R.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

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<td>1.0 Secs (1 Secs)</td>
<td><img src="orbit1.png" alt="Diagram" /></td>
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Visit 0S - WFC3 UVIS Bowtie Monitor

Proposal 17002 - Visit 0S - WFC3 UVIS Bowtie Monitor

Diagnostics

(initial check (0S.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.

(neutralizer (0S.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.

(final check (0S.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.

Exposures

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Orbit Structure

Server Version: 20220516
Proposal 17002 - Visit 0T - WFC3 UVIS Bowtie Monitor

Visit
Proposal 17002, Visit 0T
Diagnostic Status: Warning
Scientific Instruments: WFC3/UVIS
Special Requirements: BETWEEN 03-OCT-2023:00:00:00 AND 04-OCT-2023:00:00:00

Diagnostics
(initial check (0T.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(neutralizer (0T.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(final check (0T.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

Exposures

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Orbit Structure

Orbit 1
Unused Orbital Visibility = 3142
Exp. 1
Exp. 2
Exp. 3
Reconfig

Occultation

Server Version: 20220516

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### Visit

**Proposal 17002, Visit 0U**  
**Diagnostic Status:** Warning  
**Scientific Instruments:** WFC3/UVIS  
**Special Requirements:** BETWEEN 06-OCT-2023:00:00:00 AND 07-OCT-2023:00:00:00

### Diagnostics

(initial check (0U.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(neutralizer (0U.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(final check (0U.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

### Exposures

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### Orbit Structure

- **Orbit 1**  
  - Unused Orbital Visibility = 3142
  - Exp. 1
  - Exp. 2
  - Exp. 3
  - Reconfig

- Server Version: 20220516
Proposal 17002 - Visit 0V - WFC3 UVIS Bowtie Monitor

**Proposal 17002, Visit 0V**

**Diagnostic Status:** Warning

**Scientific Instruments:** WFC3/UVIS

**Special Requirements:** BETWEEN 09-OCT-2023:00:00:00 AND 10-OCT-2023:00:00:00

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**Orbit Structure**

*Server Version: 20220516*

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(initial check (0V.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.

(neutralizer (0V.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.

(final check (0V.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.

---

Visit 0V
### Proposal 17002 - Visit 0W - WFC3 UVIS Bowtie Monitor

#### Visit 0W

**Diagnostic Status:** Warning  
**Scientific Instruments:** WFC3/UVIS  
**Special Requirements:** BETWEEN 12-OCT-2023:00:00:00 AND 13-OCT-2023:00:00:00

---

#### Diagnostics

(initial check (0W.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser  
(neutralizer (0W.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser  
(final check (0W.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

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#### Exposures

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#### Orbit Structure

![Orbit Structure Diagram](image)

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Server Version: 20220516
Visit 0X

Diagnostics

(initial check (0X.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(neutralizer (0X.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(final check (0X.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

Exposures

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Orbit Structure
Proposal 17002 - Visit 0Y - WFC3 UVIS Bowtie Monitor

Visit
Proposal 17002, Visit 0Y
Diagnostic Status: Warning
Scientific Instruments: WFC3/UVIS
Special Requirements: BETWEEN 18-OCT-2023:00:00:00 AND 19-OCT-2023:00:00:00

Diagnostics
(initial check (0Y.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(neutralizer (0Y.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(final check (0Y.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

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Orbit Structure

Server Version: 20220516
Visit 0Z - WFC3 UVIS Bowtie Monitor

Proposal 17002, Visit 0Z

Diagnostic Status: Warning
Scientific Instruments: WFC3/UVIS
Special Requirements: BETWEEN 21-OCT-2023:00:00:00 AND 22-OCT-2023:00:00:00

Diagnostics
(initial check (0Z.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(neutralizer (0Z.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(final check (0Z.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

Exposures

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Orbit Structure
Proposition 17002 - Visit 1A - WFC3 UVIS Bowtie Monitor

**Visit**

Proposal 17002, Visit 1A  
Diagnostic Status: Warning  
Scientific Instruments: WFC3/UVIS  
Special Requirements: BETWEEN 24-OCT-2023:00:00:00 AND 25-OCT-2023:00:00:00

**Diagnostics**

(initial check (1A.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser  
(neutralizer (1A.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser  
(final check (1A.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

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**Orbit Structure**

Orbit 1  
Unused Orbital Visibility = 3142  
Exp. 1  
Exp. 2  
Exp. 3  
Reconfig  
Occultation

Server Version: 20220516

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Proposal 17002 - Visit 1B - WFC3 UVIS Bowtie Monitor

Visit
Proposal 17002, Visit 1B
Diagnostic Status: Warning
Scientific Instruments: WFC3/UVIS
Special Requirements: BETWEEN 27-OCT-2023:00:00:00 AND 28-OCT-2023:00:00:00

Diagnostics
(initial check (1B.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(neutralizer (1B.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(final check (1B.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

Exposures

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Orbit Structure

Orbit 1
Unused Orbital Visibility = 3142
Exp. 1
Exp. 2
Exp. 3
Reconfig

Server Version: 20220516
Visit 1C - WFC3 UVIS Bowtie Monitor

Diagnostic Status: Warning

Scientific Instruments: WFC3/UVIS

Special Requirements: BETWEEN 30-OCT-2023:00:00:00 AND 31-OCT-2023:00:00:00

Diagnostics

(initial check (1C.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.

(neutralizer (1C.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.

(final check (1C.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser.

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Orbit Structure

Server Version: 20220516
Diagnostics

(initial check (1D.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(neutralizer (1D.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(final check (1D.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

Exposures

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Orbit Structure

Orbit 1

unused Orbital Visibility = 3142

Exp. 1

Exp. 3

Occultation

Server Version: 20220516

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### Proposal 17002 - Visit 1E - WFC3 UVIS Bowtie Monitor

**Visit**
- Proposal 17002, Visit 1E
- Diagnostic Status: Warning
- Scientific Instruments: WFC3/UVIS
- Special Requirements: BETWEEN 05-NOV-2023:00:00:00 AND 06-NOV-2023:00:00:00

**Diagnostics**

(Initial check (1E.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(Neutralizer (1E.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

(Final check (1E.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

**Exposures**

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**Orbit Structure**

![Orbit Structure Diagram](image-url)
Proposal 17002 - Visit 1F - WFC3 UVIS Bowtie Monitor

Visit
Scientific Instruments: WFC3/UVIS
Special Requirements: ON HOLD

Diagnostics
(initial check (1F.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(neutralizer (1F.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(final check (1F.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

Exposures

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Orbit Structure

Server Version: 20220516
Proposal 17002 - Visit 1G - WFC3 UVIS Bowtie Monitor

Visit
Proposal 17002, Visit 1G
Diagnostic Status: Warning
Scientific Instruments: WFC3/UVIS
Special Requirements: ON HOLD

On Hold Comments: For contingency use only.

Diagnostics
(initial check (1G.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(neutralizer (1G.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
(final check (1G.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

Exposures

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Orbit Structure

Orbit 1
Unused Orbital Visibility = 3142

Exp. 1
Exp. 2
Exp. 3
Reconfig

Server Version: 20220516