



13586 - UVIS internal flats

Cycle: 21, Proposal Category: CAL/WFC3

(Availability Mode: RESTRICTED)

INVESTIGATORS

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|---------------------------------------|--|--------------------------|
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VISITS

| <i>Visit</i> | <i>Targets used in Visit</i> | <i>Configurations used in Visit</i> | <i>Orbits Used</i> | <i>Last Orbit Planner Run</i> | <i>OP Current with Visit?</i> |
|--------------|------------------------------|-------------------------------------|--------------------|-------------------------------|-------------------------------|
| 01 | DEUTERIUM | WFC3/UVIS | 1 | 29-Oct-2013 21:29:18.0 | yes |
| 02 | DEUTERIUM | WFC3/UVIS | 1 | 29-Oct-2013 21:29:27.0 | yes |
| 03 | DEUTERIUM | WFC3/UVIS | 1 | 29-Oct-2013 21:29:33.0 | yes |
| 04 | TUNGSTEN | WFC3/UVIS | 1 | 29-Oct-2013 21:29:38.0 | yes |
| 05 | TUNGSTEN | WFC3/UVIS | 1 | 29-Oct-2013 21:29:41.0 | yes |
| 06 | TUNGSTEN | WFC3/UVIS | 1 | 29-Oct-2013 21:29:45.0 | yes |
| 07 | TUNGSTEN | WFC3/UVIS | 1 | 29-Oct-2013 21:29:50.0 | yes |
| 08 | TUNGSTEN | WFC3/UVIS | 1 | 29-Oct-2013 21:29:54.0 | yes |
| 09 | TUNGSTEN | WFC3/UVIS | 1 | 29-Oct-2013 21:29:58.0 | yes |
| 10 | TUNGSTEN | WFC3/UVIS | 1 | 29-Oct-2013 21:30:02.0 | yes |
| 11 | TUNGSTEN | WFC3/UVIS | 1 | 29-Oct-2013 21:30:06.0 | yes |
| 12 | TUNGSTEN | WFC3/UVIS | 1 | 29-Oct-2013 21:30:10.0 | yes |

| <i>Visit</i> | <i>Targets used in Visit</i> | <i>Configurations used in Visit</i> | <i>Orbits Used</i> | <i>Last Orbit Planner Run</i> | <i>OP Current with Visit?</i> |
|--------------|------------------------------|-------------------------------------|--------------------|-------------------------------|-------------------------------|
| 13 | TUNGSTEN | WFC3/UVIS | 1 | 29-Oct-2013 21:30:14.0 | yes |

13 Total Orbits Used

ABSTRACT

This proposal is designed to monitor the stability of the UVIS detector as well as the tungsten lamp through cycle 21 and is a continuation of earlier cycles monitoring programs, most lately 12337 (Cy 18), 12711 (Cy 19), and 13097 (Cy 20). In addition we will take flats in the entire UVIS filter complement to ensure that the filters are in good health.

OBSERVING DESCRIPTION

There are 42 full filters and 5 quad filters (each with 4 narrow bandpass filters), resulting in 62 filters. Flat fields will be obtained for all filters using the internal D2 and Tungsten lamps.

The D2 observations are arranged in 1 set of 3 visits. Visits are very well packed and are about 55-75 minutes in length, in order to maximize lamp usage and minimize power cycles.

The Tungsten observations are arranged as two separate groups. Visits 04 - 11 are to be executed early in the cycle to acquire the additional 46 filters. Visit 12 is to be executed early in the cycle and covers filters F390W, F438W, F606W, and F814W. Visit 13 covers the same filters as Visit 12 but will be executed mid-cycle.

Orbits are packed as such to minimize the cycling of the Tungsten and D2 lamps.

CALIBRATION JUSTIFICATION

Flux levels within the flat fields will be compared to those from SMOV data to evaluate the D2 and Tungsten lamp performance. Flat field illumination patterns will be analyzed for any changes compared to previous on-orbit images. In addition we will monitor the performance of every filter on the UVIS camera.

ADDITIONAL COMMENTS

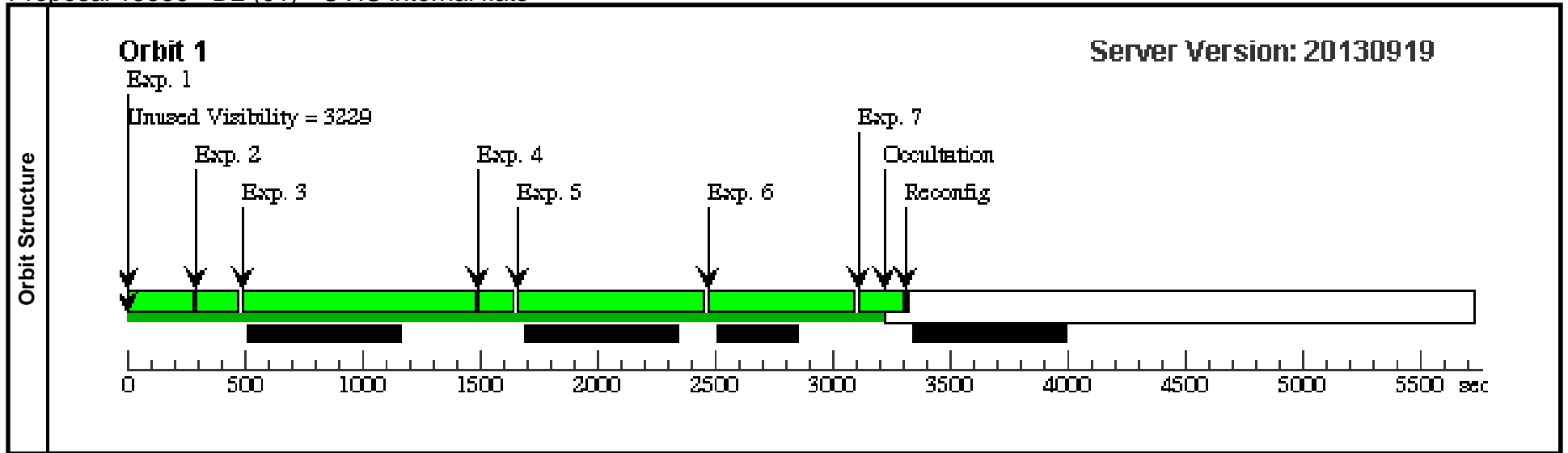
Proposal 13586 (STScI Edit Number: 0, Created: Tuesday, October 29, 2013 8:30:20 PM EST) - Overview

The D2 lamp degrades with power cycles and total on-time, so it is requested that the lamp be turned on and off as little as possible, but should not be on for more than ~90 minutes. Also, using the lamp with the high current setting degrades the lamp faster, therefore in this proposal only the medium current is used.

Proposal 13586 - D2 (01) - UVIS internal flats

Wed Oct 30 01:30:21 GMT 2013

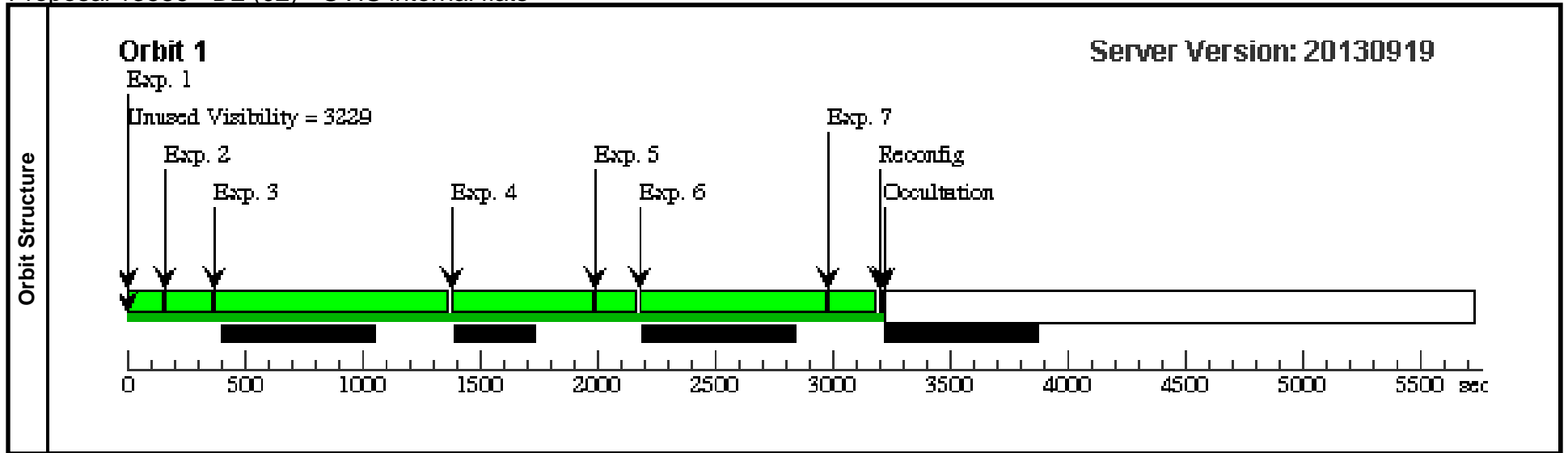
| Visit | Proposal 13586, D2 (01) Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 01-DEC-2013:00:00:00 AND 01-FEB-2014:00:00:00: GROUP 01,02,03 WITHIN 30D | | | | | | | | | | |
|--|--|---|--------------------------------|--------------------------------|----------------------|--------------------|--------------|---------------|--------------------------------|---------------------------------|-------|
| | Diagnostics | (D2 (01)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU | | | | | | | | | |
| Exposures | | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | D2 - Flat #1 F343N | DEUTERIUM | WFC3/UVIS, ACCUM, UVIS | F343N | CURRENT=MEDIU M | | | | 139.0 Secs (139 Secs) [==>] | [1] |
| | <i>Comments: #1 of 1 flats in set A-D2</i> | | | | | | | | | | |
| | 2 | D2 - Flat #1 F275W | DEUTERIUM | WFC3/UVIS, ACCUM, UVIS | F275W | CURRENT=MEDIU M | | | | 34.7 Secs (34.7 Secs) [==>] | [1] |
| | <i>Comments: #1 of 1 flats in set A-D2</i> | | | | | | | | | | |
| | 3 | D2 - Flat #1 FQ387N | DEUTERIUM | WFC3/UVIS, ACCUM, UVIS-QUAD | FQ387N | CURRENT=MEDIU M | | | | 860.0 Secs (860 Secs) [==>] | [1] |
| | <i>Comments: #1 of 3 exp in set A-D2, 3 exp per flat</i> | | | | | | | | | | |
| | 4 | D2 - Flat #1 F225W | DEUTERIUM | WFC3/UVIS, ACCUM, UVIS | F225W | CURRENT=MEDIU M | | | | 16.6 Secs (16.6 Secs) [==>] | [1] |
| <i>Comments: #1 of 2 flats in set A-D2</i> | | | | | | | | | | | |
| 5 | D2 - Flat #1 F395N | DEUTERIUM | WFC3/UVIS, ACCUM, UVIS | F395N | CURRENT=MEDIU M | | | | 664.0 Secs (664 Secs) [==>] | [1] | |
| <i>Comments: #1 of 1 flats in set A-D2</i> | | | | | | | | | | | |
| 6 | D2 - Flat #1 FQ232N | DEUTERIUM | WFC3/UVIS, ACCUM, UVIS-QUAD | FQ232N | CURRENT=MEDIU M | | | | 475.0 Secs (475 Secs) [==>] | [1] | |
| <i>Comments: #1 of 3 exp in set A-D2, 3 exp per flat, but longer than others</i> | | | | | | | | | | | |
| 7 | D2 - Flat #1 F390W | DEUTERIUM | WFC3/UVIS, ACCUM, UVIS | F390W | CURRENT=MEDIU M | | | | 56.0 Secs (56 Secs) [==>] | [1] | |
| <i>Comments: #1 of 2 flats in set A-D2</i> | | | | | | | | | | | |



Proposal 13586 - D2 (02) - UVIS internal flats

Wed Oct 30 01:30:23 GMT 2013

| Visit | Proposal 13586, D2 (02) Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none) | | | | | | | | | | |
|--|--|---|------------------------|--------------------------------|----------------------|--------------------|--------------|---------------|--------------------------------|---------------------------------|-------|
| | Diagnostics | (D2 (02)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU | | | | | | | | | |
| Exposures | | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | D2 - Flat #1 F200LP | DEUTERIUM | WFC3/UVIS, ACCUM, UVIS | F200LP | CURRENT=MEDIU M | | | | 3.4 Secs (3.4 Secs) [==>] | [1] |
| | <i>Comments: #1 of 1 flats in set A-D2</i> | | | | | | | | | | |
| | 2 | D2 - Flat #2 F390W | DEUTERIUM | WFC3/UVIS, ACCUM, UVIS | F390W | CURRENT=MEDIU M | | | | 56.0 Secs (56 Secs) [==>] | [1] |
| | <i>Comments: #2 of 2 flats in set A-D2</i> | | | | | | | | | | |
| | 3 | D2 - Flat #2 FQ387N | DEUTERIUM | WFC3/UVIS, ACCUM, UVIS-QUAD | FQ387N | CURRENT=MEDIU M | | | | 860.0 Secs (860 Secs) [==>] | [1] |
| | <i>Comments: #2 of 3 exp in set A-D2, 3 exp per flat</i> | | | | | | | | | | |
| | 4 | D2 - Flat #2 FQ232N | DEUTERIUM | WFC3/UVIS, ACCUM, UVIS-QUAD | FQ232N | CURRENT=MEDIU M | | | | 475.0 Secs (475 Secs) [==>] | [1] |
| <i>Comments: #2 of 3 exp in set A-D2, 3 exp per flat</i> | | | | | | | | | | | |
| 5 | D2 - Flat #2 F275W | DEUTERIUM | WFC3/UVIS, ACCUM, UVIS | F275W | CURRENT=MEDIU M | | | | 34.7 Secs (34.7 Secs) [==>] | [1] | |
| <i>Comments: #1 of 1 flats in set A-D2</i> | | | | | | | | | | | |
| 6 | D2 - Flat #1 F373N | DEUTERIUM | WFC3/UVIS, ACCUM, UVIS | F373N | CURRENT=MEDIU M | | | | 664.0 Secs (664 Secs) [==>] | [1] | |
| <i>Comments: #1 of 2 flats in set A-D2, but shorter than other</i> | | | | | | | | | | | |
| 7 | D2 - Flat #1 F336W | DEUTERIUM | WFC3/UVIS, ACCUM, UVIS | F336W | CURRENT=MEDIU M | | | | 58.8 Secs (58.8 Secs) [==>] | [1] | |
| <i>Comments: #1 of 2 flats in set A-D2</i> | | | | | | | | | | | |



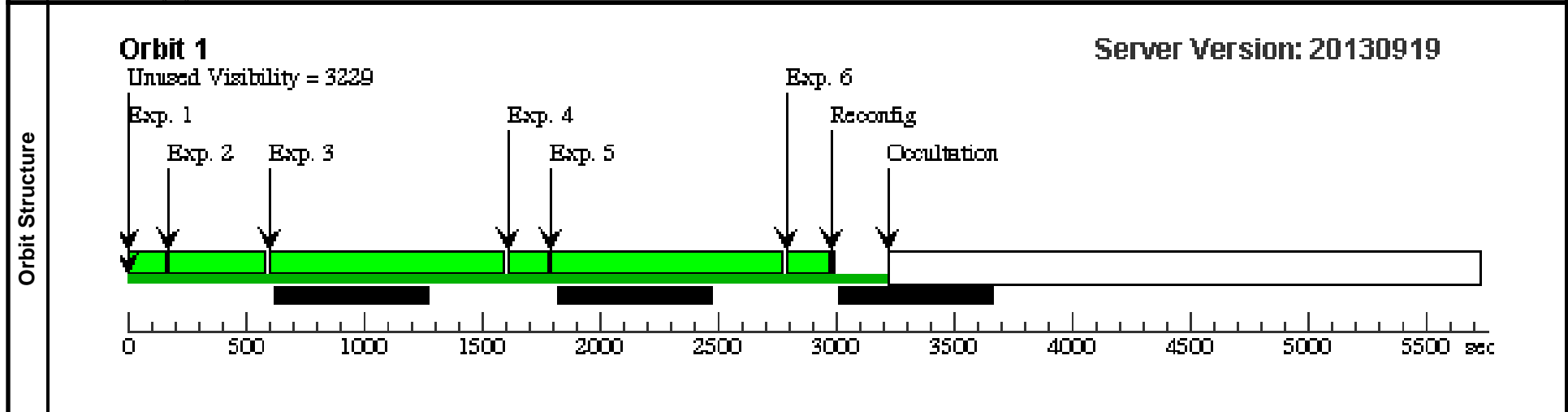
Proposal 13586 - D2 (03) - UVIS internal flats

Wed Oct 30 01:30:24 GMT 2013

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| Visit | Proposal 13586, D2 (03) |
| | Diagnostic Status: Warning |
| | Scientific Instruments: WFC3/UVIS Special Requirements: (none) |

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| Diagnostics | (D2 (03)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU |
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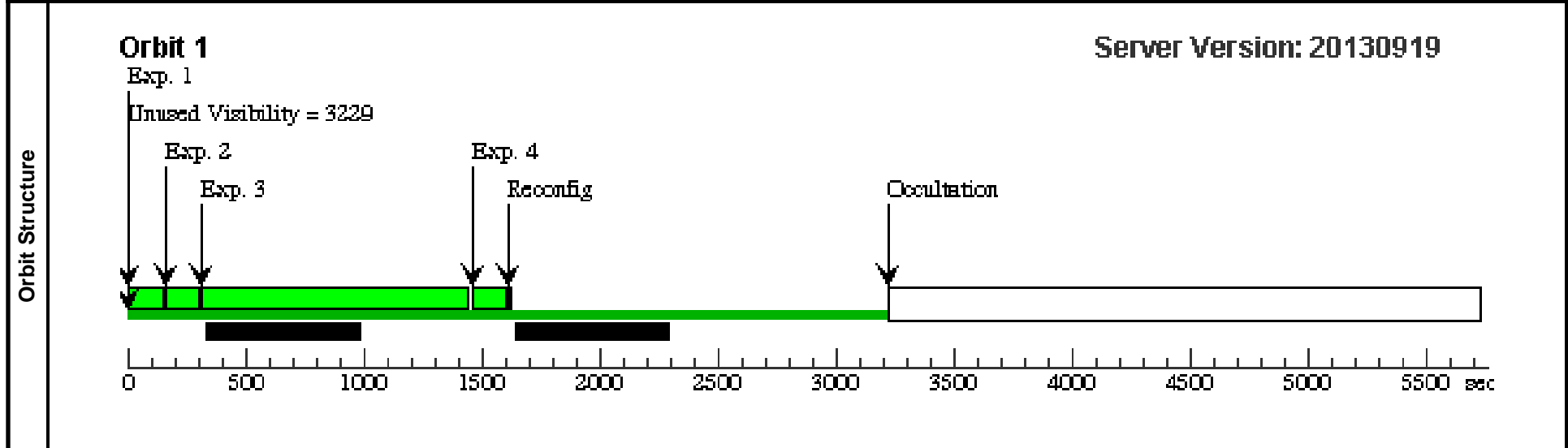
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | |
|------------------|--|------------------------|-----------------------|--------------------------------|------------------------|--------------------|--------------------|--------|---------------------------------|--------------------------------|-----|
| | | 1 | D2 - Flat #1 F300X | DEUTERIUM | WFC3/UVIS, ACCUM, UVIS | F300X | CURRENT=MEDIU M | | | 16.8 Secs (16.8 Secs) [==>] | [1] |
| | <i>Comments: #1 of 1 flats in set A-D2</i> | | | | | | | | | | |
| | 2 | D2 - Flat #1 F390M | DEUTERIUM | WFC3/UVIS, ACCUM, UVIS | F390M | CURRENT=MEDIU M | | | 271.0 Secs (271 Secs) [==>] | [1] | |
| | <i>Comments: #1 of 1 flats in set A-D2</i> | | | | | | | | | | |
| | 3 | D2 - Flat #3 FQ387N | DEUTERIUM | WFC3/UVIS, ACCUM, UVIS-QUAD | FQ387N | CURRENT=MEDIU M | | | 860.0 Secs (860 Secs) [==>] | [1] | |
| | <i>Comments: #1 of 3 exp in set A-D2, 3 exp per flat</i> | | | | | | | | | | |
| | 4 | D2 - Flat #1 F218W | DEUTERIUM | WFC3/UVIS, ACCUM, UVIS | F218W | CURRENT=MEDIU M | | | 35.0 Secs (35 Secs) [==>] | [1] | |
| | <i>Comments: #1 of 1 flats in set A-D2</i> | | | | | | | | | | |
| | 5 | D2 - Flat #1 F280N | DEUTERIUM | WFC3/UVIS, ACCUM, UVIS | F280N | CURRENT=MEDIU M | | | 845.0 Secs (845 Secs) [==>] | [1] | |
| | <i>Comments: #1 of 1 flats in set A-D2</i> | | | | | | | | | | |
| | 6 | D2 - Flat #2 F336W | DEUTERIUM | WFC3/UVIS, ACCUM, UVIS | F336W | CURRENT=MEDIU M | | | 58.8 Secs (58.8 Secs) [==>] | [1] | |
| | <i>Comments: #2 of 2 flats in set A-D2</i> | | | | | | | | | | |



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| Visit | Proposal 13586, Tu (04) Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 01-DEC-2013:00:00:00 AND 31-JAN-2014:00:00:00 |
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| Diagnostics | (Tu (04)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU |
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| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | |
|--|--|------------------------|------------------------|------------------------|---------------|--------------|---------------|--------|---------------------------------|------------------------------|-----|
| | 1 | Tu - Flat #1 F350LP | TUNGSTEN | WFC3/UVIS, ACCUM, UVIS | F350LP | | | | | 1.2 Secs (1.2 Secs) [==>] | [1] |
| | <i>Comments: #1 of 1 flats in set A-Tu</i> | | | | | | | | | | |
| | 2 | Tu - Flat #1 F600LP | TUNGSTEN | WFC3/UVIS, ACCUM, UVIS | F600LP | | | | | 1.3 Secs (1.3 Secs) [==>] | [1] |
| | <i>Comments: #1 of 1 flats in set A-Tu</i> | | | | | | | | | | |
| 3 | Tu - Flat #1 F469N | TUNGSTEN | WFC3/UVIS, ACCUM, UVIS | F469N | | | | | 1000 Secs (1000 Secs) [==>] | [1] | |
| <i>Comments: #1 of 1 flats in set A-Tu</i> | | | | | | | | | | | |
| 4 | Tu - Flat #1 F200LP | TUNGSTEN | WFC3/UVIS, ACCUM, UVIS | F200LP | | | | | 1.4 Secs (1.4 Secs) [==>] | [1] | |
| <i>Comments: #1 of 1 flats in set A-Tu</i> | | | | | | | | | | | |

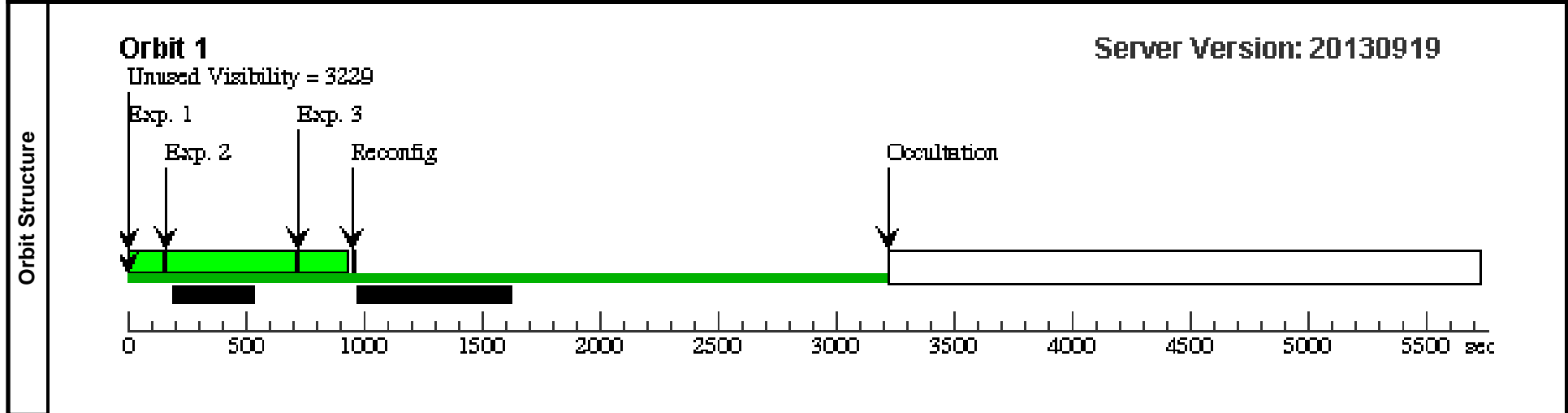


Proposal 13586 - Tu (05) - UVIS internal flats

Wed Oct 30 01:30:25 GMT 2013

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| Visit | Proposal 13586, Tu (05) | | | | | | | | | |
| | Diagnostic Status: No Diagnostics | | | | | | | | | |
| | Scientific Instruments: WFC3/UVIS | | | | | | | | | |
| | Special Requirements: BETWEEN 01-DEC-2013:00:00:00 AND 31-JAN-2014:00:00:00 | | | | | | | | | |

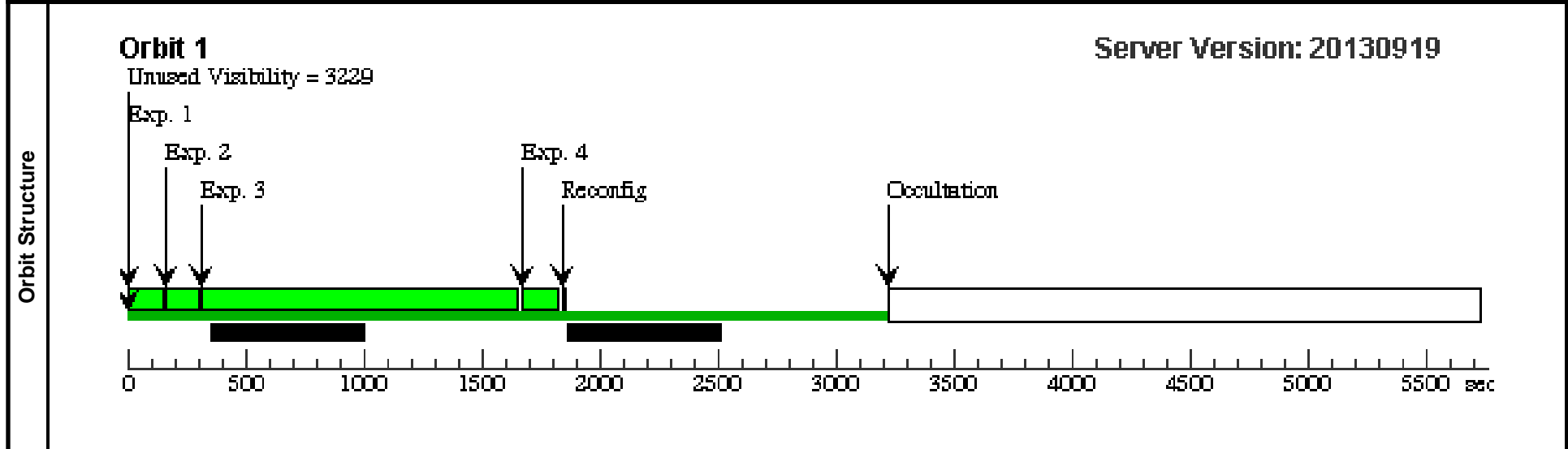
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | |
|--|--|-----------------------|------------------------|------------------------|---------------|--------------|---------------|--------|---------------------------------|---------------------|-----|
| | 1 | Tu - Flat #1 F763M | TUNGSTEN | WFC3/UVIS, ACCUM, UVIS | F763M | | | | | 5.9 Secs (5.9 Secs) | |
| | | | | | | | | | | [==>] | [1] |
| | <i>Comments: #1 of 1 flats in set A-Tu</i> | | | | | | | | | | |
| 2 | Tu - Flat #1 F467M | TUNGSTEN | WFC3/UVIS, ACCUM, UVIS | F467M | | | | | 409.0 Secs (409 Secs) | | |
| | | | | | | | | | [==>] | [1] | |
| <i>Comments: #1 of 1 flats in set A-Tu</i> | | | | | | | | | | | |
| 3 | Tu - Flat #1 F953N | TUNGSTEN | WFC3/UVIS, ACCUM, UVIS | F953N | | | | | 74.0 Secs (74 Secs) | | |
| | | | | | | | | | [==>] | [1] | |
| <i>Comments: #1 of 1 flats in set A-Tu</i> | | | | | | | | | | | |



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| Visit | Proposal 13586, Tu (06) Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 01-DEC-2013:00:00:00 AND 31-JAN-2014:00:00:00 |
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| Diagnostics | (Tu (06)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU |
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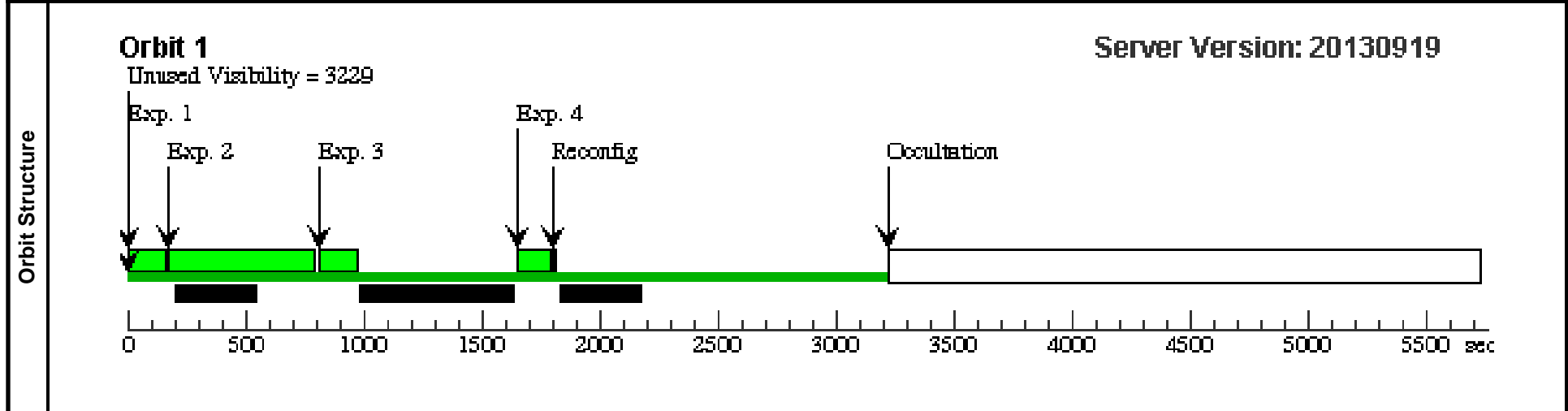
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | |
|--|--|-----------------------|------------------------|------------------------|---------------|--------------|---------------|--------|---------------------------------|------------------------------|-----|
| | 1 | Tu - Flat #1 F625W | TUNGSTEN | WFC3/UVIS, ACCUM, UVIS | F625W | | | | | 5.9 Secs (5.9 Secs) [==>] | [1] |
| | <i>Comments: #1 of 1 flats in set A-Tu</i> | | | | | | | | | | |
| | 2 | Tu - Flat #1 F689M | TUNGSTEN | WFC3/UVIS, ACCUM, UVIS | F689M | | | | | 8.5 Secs (8.5 Secs) [==>] | [1] |
| | <i>Comments: #1 of 1 flats in set A-Tu</i> | | | | | | | | | | |
| 3 | Tu - Flat #1 F410M | TUNGSTEN | WFC3/UVIS, ACCUM, UVIS | F410M | | | | | 1200 Secs (1200 Secs) [==>] | [1] | |
| <i>Comments: #1 of 1 flats in set A-Tu</i> | | | | | | | | | | | |
| 4 | Tu - Flat #1 F555W | TUNGSTEN | WFC3/UVIS, ACCUM, UVIS | F555W | | | | | 14.4 Secs (14.4 Secs) [==>] | [1] | |
| <i>Comments: #1 of 1 flats in set A-Tu</i> | | | | | | | | | | | |



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| Visit | Proposal 13586, Tu (07) Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 01-DEC-2013:00:00:00 AND 31-JAN-2014:00:00:00 |
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| Diagnostics | (Tu (07)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU |
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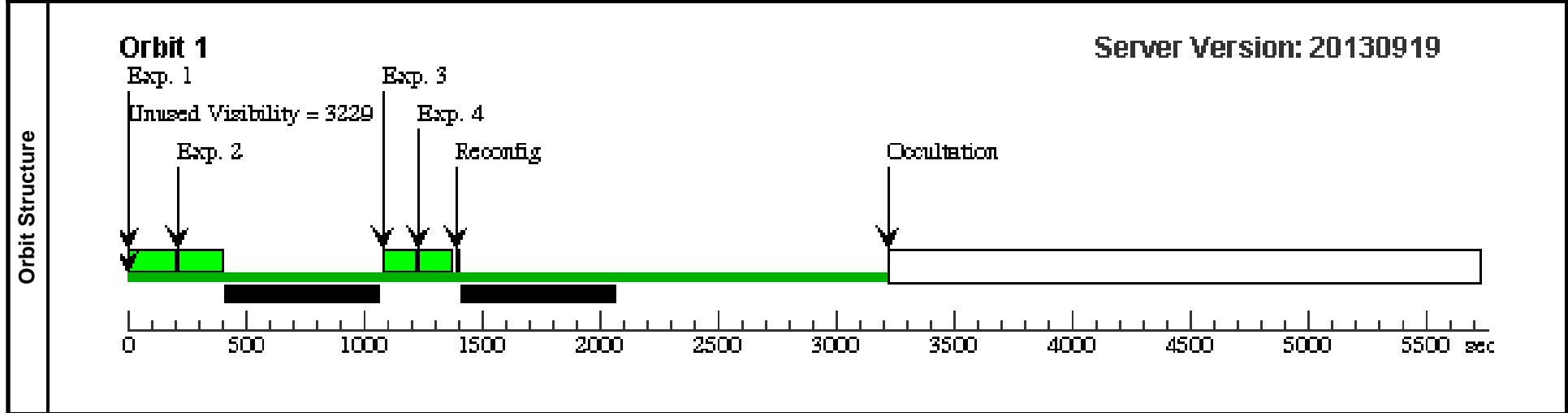
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|--|--|------------------------|----------|--------------------------------|---------------|--------------|---------------|--------|----------------------------------|-------|
| | 1 | Tu - Flat #1 F621M | TUNGSTEN | WFC3/UVIS, ACCUM, UVIS | F621M | | | | 14.8 Secs (14.8 Secs) [==>] | [1] |
| | <i>Comments: #1 of 1 flats in set A-Tu</i> | | | | | | | | | |
| | 2 | Tu - Flat #1 FQ508N | TUNGSTEN | WFC3/UVIS, ACCUM, UVIS-QUAD | FQ508N | | | | 490.2 Secs (490.2 Secs) [==>] | [1] |
| | <i>Comments: #1 of 1 exp in set A-Tu, 2 exp per flat</i> | | | | | | | | | |
| | 3 | Tu - Flat #1 F475X | TUNGSTEN | WFC3/UVIS, ACCUM, UVIS | F475X | | | | 15.6 Secs (15.6 Secs) [==>] | [1] |
| | <i>Comments: #1 of 1 flats in set A-Tu</i> | | | | | | | | | |
| | 4 | Tu - Flat #1 F845M | TUNGSTEN | WFC3/UVIS, ACCUM, UVIS | F845M | | | | 5.2 Secs (5.2 Secs) [==>] | [1] |
| <i>Comments: #1 of 1 flats in set A-Tu</i> | | | | | | | | | | |



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| Visit | Proposal 13586, Tu (08) Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 01-DEC-2013:00:00:00 AND 31-JAN-2014:00:00:00 |
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| Diagnostics | (Tu (08)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU |
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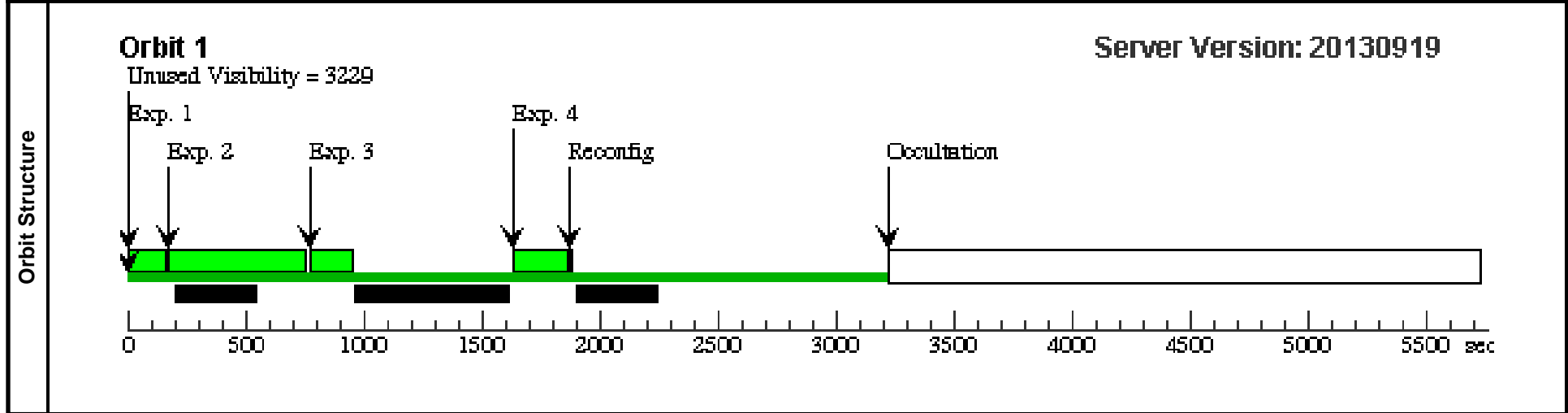
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|--|------------------------|----------|------------------------|---------------|--------------|---------------|--------|---------------------------------|-------|
| | 1 | Tu - Flat #1 F665N | TUNGSTEN | WFC3/UVIS, ACCUM, UVIS | F665N | | | | 52.4 Secs (52.4 Secs) [==>] | [1] |
| | <i>Comments: #1 of 1 flats in set A-Tu</i> | | | | | | | | | |
| | 2 | Tu - Flat #1 F673N | TUNGSTEN | WFC3/UVIS, ACCUM, UVIS | F673N | | | | 54.5 Secs (54.5 Secs) [==>] | [1] |
| | <i>Comments: #1 of 1 flats in set A-Tu</i> | | | | | | | | | |
| | 3 | Tu - Flat #1 F775W | TUNGSTEN | WFC3/UVIS, ACCUM, UVIS | F775W | | | | 3.1 Secs (3.1 Secs) [==>] | [1] |
| | <i>Comments: #1 of 1 flats in set A-Tu</i> | | | | | | | | | |
| | 4 | Tu - Flat #1 F850LP | TUNGSTEN | WFC3/UVIS, ACCUM, UVIS | F850LP | | | | 3.6 Secs (3.6 Secs) [==>] | [1] |
| | <i>Comments: #1 of 1 flats in set A-Tu</i> | | | | | | | | | |



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| Visit | Proposal 13586, Tu (09) Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 01-DEC-2013:00:00:00 AND 31-JAN-2014:00:00:00 |
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| Diagnostics | (Tu (09)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU |
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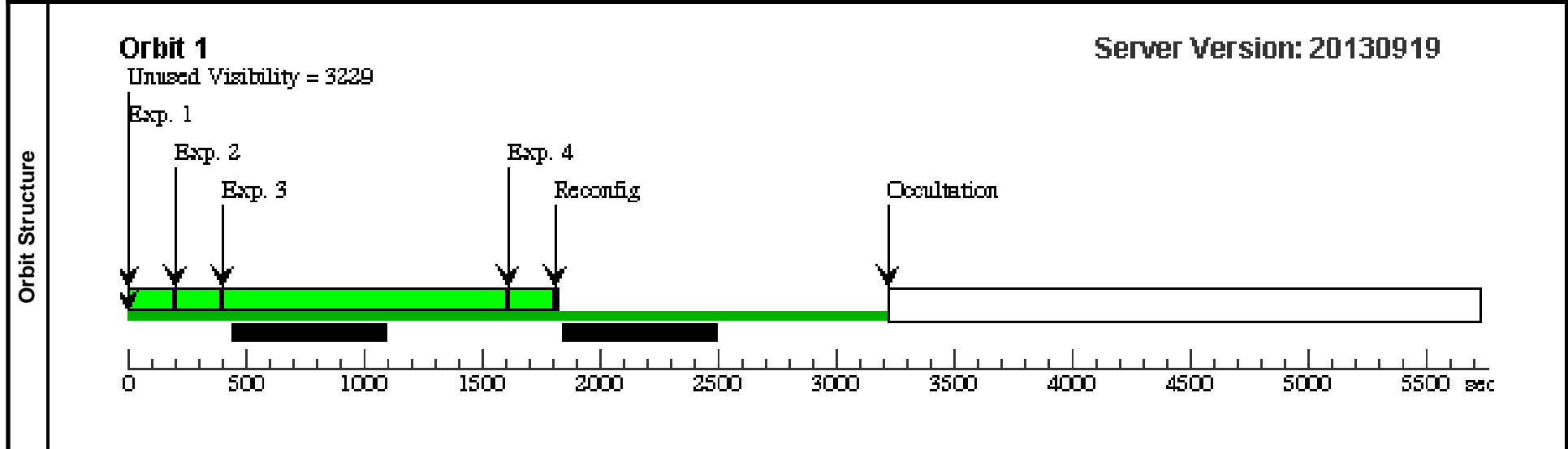
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|--|--|-----------------------|----------|------------------------|---------------|--------------|---------------|--------|---------------------------------|-------|
| | 1 | Tu - Flat #1 F680N | TUNGSTEN | WFC3/UVIS, ACCUM, UVIS | F680N | | | | 15.7 Secs (15.7 Secs) [==>] | [1] |
| | <i>Comments: #1 of 1 flats in set A-Tu</i> | | | | | | | | | |
| | 2 | Tu - Flat #1 F656N | TUNGSTEN | WFC3/UVIS, ACCUM, UVIS | F656N | | | | 444.0 Secs (444 Secs) [==>] | [1] |
| | <i>Comments: #1 of 1 flats in set A-Tu</i> | | | | | | | | | |
| | 3 | Tu - Flat #1 F547M | TUNGSTEN | WFC3/UVIS, ACCUM, UVIS | F547M | | | | 37.5 Secs (37.5 Secs) [==>] | [1] |
| | <i>Comments: #1 of 3 flats in set A-Tu</i> | | | | | | | | | |
| | 4 | Tu - Flat #1 F645N | TUNGSTEN | WFC3/UVIS, ACCUM, UVIS | F645N | | | | 99.6 Secs (99.6 Secs) [==>] | [1] |
| <i>Comments: #1 of 1 flats in set A-Tu</i> | | | | | | | | | | |



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| Visit | Proposal 13586, Tu (10) |
| | Diagnostic Status: Warning |
| | Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 01-DEC-2013:00:00:00 AND 31-JAN-2014:00:00:00 |

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| Diagnostics | (Tu (10)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU |
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| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | |
|--|--|-----------------------|--------------------------------|------------------------|---------------|--------------|---------------|--------|------------------------------------|--------------------------------|-----|
| | 1 | Tu - Flat #1 F475W | TUNGSTEN | WFC3/UVIS, ACCUM, UVIS | F475W | | | | | 42.7 Secs (42.7 Secs) [==>] | [1] |
| | <i>Comments: #1 of 3 flats in set A-Tu</i> | | | | | | | | | | |
| | 2 | Tu - Flat #1 F657N | TUNGSTEN | WFC3/UVIS, ACCUM, UVIS | F657N | | | | | 57.2 Secs (57.2 Secs) [==>] | [1] |
| | <i>Comments: #1 of 1 flats in set A-Tu</i> | | | | | | | | | | |
| 3 | Tu - Flat #1 F487N | TUNGSTEN | WFC3/UVIS, ACCUM, UVIS | F487N | | | | | 1052.6 Secs (1052.6 Secs) [==>] | [1] | |
| <i>Comments: #1 of 1 flats in set A-Tu</i> | | | | | | | | | | | |
| 4 | Tu - Flat #1 FQ889N | TUNGSTEN | WFC3/UVIS, ACCUM, UVIS-QUAD | FQ889N | | | | | 57.5 Secs (57.5 Secs) [==>] | [1] | |
| <i>Comments: #1 of 1 flats in set A-Tu</i> | | | | | | | | | | | |



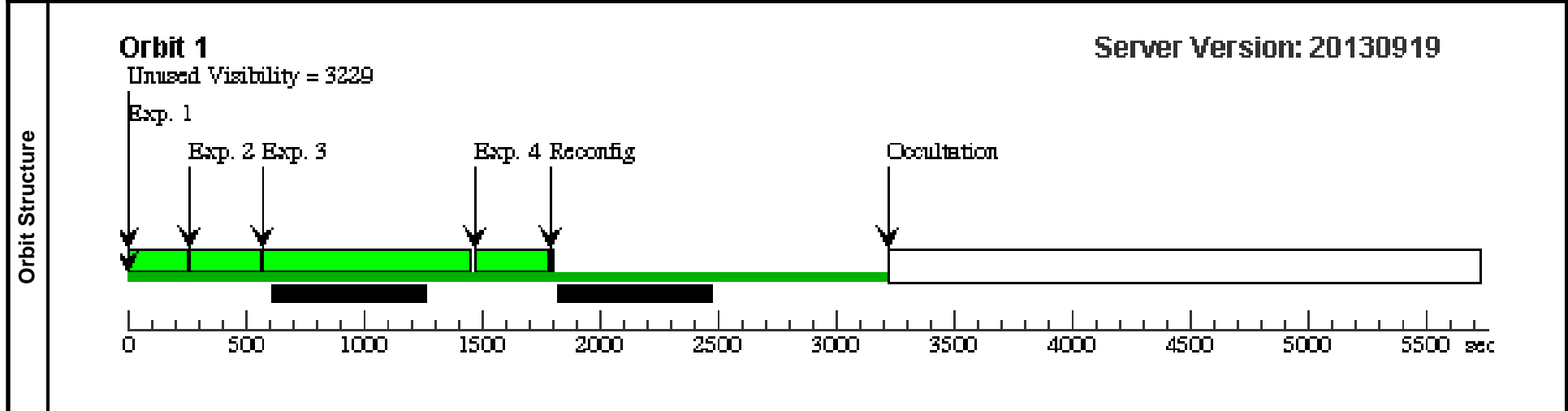
Proposal 13586 - Tu (11) - UVIS internal flats

Wed Oct 30 01:30:29 GMT 2013

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| Visit | Proposal 13586, Tu (11) Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 01-DEC-2013:00:00:00 AND 31-JAN-2014:00:00:00 |
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| Diagnostics | (Tu (11)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU |
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| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|--|------------------------|----------|--------------------------------|---------------|--------------|---------------|--------|----------------------------------|-------|
| | 1 | Tu - Flat #1 FQ619N | TUNGSTEN | WFC3/UVIS, ACCUM, UVIS-QUAD | FQ619N | | | | 101.3 Secs (101.3 Secs) [==>] | [1] |
| | <i>Comments: #2 of 2 exp in set A-Tu, 2 exp per flat</i> | | | | | | | | | |
| | 2 | Tu - Flat #1 F631N | TUNGSTEN | WFC3/UVIS, ACCUM, UVIS | F631N | | | | 161.6 Secs (161.6 Secs) [==>] | [1] |
| | <i>Comments: #1 of 1 flats in set A-Tu</i> | | | | | | | | | |
| | 3 | Tu - Flat #1 F502N | TUNGSTEN | WFC3/UVIS, ACCUM, UVIS | F502N | | | | 742.1 Secs (742.1 Secs) [==>] | [1] |
| | <i>Comments: #1 of 3 flats in set A-Tu</i> | | | | | | | | | |
| | 4 | Tu - Flat #1 F658N | TUNGSTEN | WFC3/UVIS, ACCUM, UVIS | F658N | | | | 173.2 Secs (173.2 Secs) [==>] | [1] |
| | <i>Comments: #1 of 1 flats in set A-Tu</i> | | | | | | | | | |



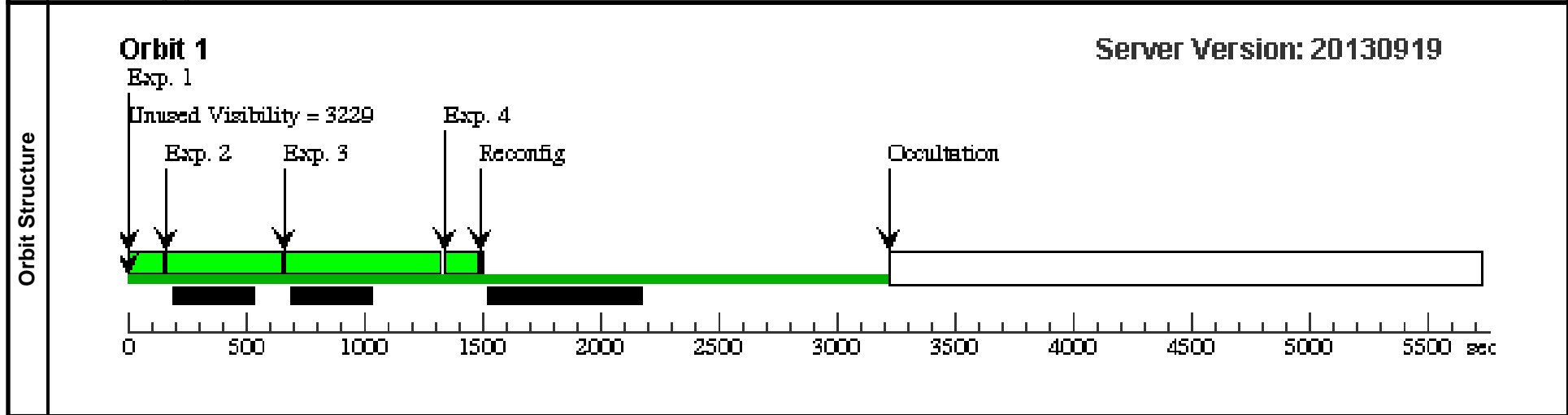
Proposal 13586 - Tu early (12) - UVIS internal flats

Wed Oct 30 01:30:29 GMT 2013

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| Visit | Proposal 13586, Tu early (12) Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 01-DEC-2013:00:00:00 AND 01-JAN-2014:00:00:00 |
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| Diagnostics | (Tu early (12)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU |
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| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit | |
|--|--|---------------------|----------|------------------------|---------------|--------------|---------------|--------|---------------------------------|-------|--|
| | 1 | Tu - Flat F6 06W | TUNGSTEN | WFC3/UVIS, ACCUM, UVIS | F606W | | | | 4.9 Secs (4.9 Secs) [==>] | [1] | |
| | <i>Comments: #1 of 4 flats in set A-Tu</i> | | | | | | | | | | |
| | 2 | Tu - Flat F4 38W | TUNGSTEN | WFC3/UVIS, ACCUM, UVIS | F438W | | | | 350 Secs (350 Secs) [==>] | [1] | |
| | 3 | Tu - Flat F3 90W | TUNGSTEN | WFC3/UVIS, ACCUM, UVIS | F390W | | | | 525 Secs (525 Secs) [==>] | [1] | |
| | 4 | Tu - Flat F8 14W | TUNGSTEN | WFC3/UVIS, ACCUM, UVIS | F814W | | | | 2.0 Secs (2 Secs) [==>] | [1] | |
| <i>Comments: #1 of 4 flats in set A-Tu</i> | | | | | | | | | | | |



Proposal 13586 - Tu late (13) - UVIS internal flats

Wed Oct 30 01:30:30 GMT 2013

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| Visit | Proposal 13586, Tu late (13) Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 01-JUN-2014:00:00:00 AND 01-JUL-2014:00:00:00 |
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| Diagnostics | (Tu late (13)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU |
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| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|--|---|---------------------|----------|------------------------|---------------|--------------|---------------|--------|---------------------------------|-------|
| Comments: #1 of 4 flats in set A-Tu Comments: #1 of 4 flats in set A-Tu | 1 | Tu - Flat F6 06W | TUNGSTEN | WFC3/UVIS, ACCUM, UVIS | F606W | | | | 4.9 Secs (4.9 Secs) [==>] | [1] |
| | 2 | Tu - Flat F4 38W | TUNGSTEN | WFC3/UVIS, ACCUM, UVIS | F438W | | | | 350 Secs (350 Secs) [==>] | [1] |
| | 3 | Tu - Flat F3 90W | TUNGSTEN | WFC3/UVIS, ACCUM, UVIS | F390W | | | | 525 Secs (525 Secs) [==>] | [1] |
| | 4 | Tu - Flat F8 14W | TUNGSTEN | WFC3/UVIS, ACCUM, UVIS | F814W | | | | 2.0 Secs (2 Secs) [==>] | [1] |

