



## 14390 - UVIS Internal flats

Cycle: 23, Proposal Category: CAL/WFC3

(Availability Mode: RESTRICTED)

### INVESTIGATORS

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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	06-Oct-2015 22:04:17.0	yes
02	DEUTERIUM	WFC3/UVIS	1	06-Oct-2015 22:04:19.0	yes
03	DEUTERIUM	WFC3/UVIS	1	06-Oct-2015 22:04:20.0	yes
04	TUNGSTEN	WFC3/UVIS	1	06-Oct-2015 22:04:21.0	yes
05	TUNGSTEN	WFC3/UVIS	1	06-Oct-2015 22:04:22.0	yes
06	TUNGSTEN	WFC3/UVIS	1	06-Oct-2015 22:04:23.0	yes
07	TUNGSTEN	WFC3/UVIS	1	06-Oct-2015 22:04:24.0	yes
08	TUNGSTEN	WFC3/UVIS	1	06-Oct-2015 22:04:25.0	yes
09	TUNGSTEN	WFC3/UVIS	1	06-Oct-2015 22:04:26.0	yes
10	TUNGSTEN	WFC3/UVIS	1	06-Oct-2015 22:04:26.0	yes
11	TUNGSTEN	WFC3/UVIS	1	06-Oct-2015 22:04:27.0	yes

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
12	TUNGSTEN	WFC3/UVIS	1	06-Oct-2015 22:04:28.0	yes
13	TUNGSTEN	WFC3/UVIS	1	06-Oct-2015 22:04:29.0	yes

13 Total Orbits Used

### **ABSTRACT**

We continue the monitoring of the tungsten lamp as well as the stability of the UVIS detector in cycle 23. This is a continuation of the proposals 12337 (Cy 18), 12711 (Cy 19), 13097 (Cy 20), 13568 (Cy 21), and 14028 (Cy 22). We also take flats across the entire UVIS filter suite to ensure the health of the filters.

### **OBSERVING DESCRIPTION**

Internal flat field images are obtained for all 62 UVIS filters (20 of which are part of the set of quad filters) using the D2 and tungsten lamps.

There are three D2 visits, each of which are 55-75 minutes long and arranged efficiently to minimize power cycles while maximizing use of the lamp.

Tungsten lamp observations are grouped into two sets of visits. The orbits for the first set of visits (4-11) are obtained early in the cycle for 46 of the filters. The 12th visit occurs early in the cycle and uses F390W, F438W, F606W, and F814W. Visit 13 is a duplicate of visit 12 to be executed later in the cycle.

#### ----- Calibration Justification -----

We will compare the flat fields taken in this cycle to the SMOV flat fields to check for any change in the illumination pattern/brightness of the lamps that has occurred over time. This also serves as a way to monitor the health of all of the UVIS filters.

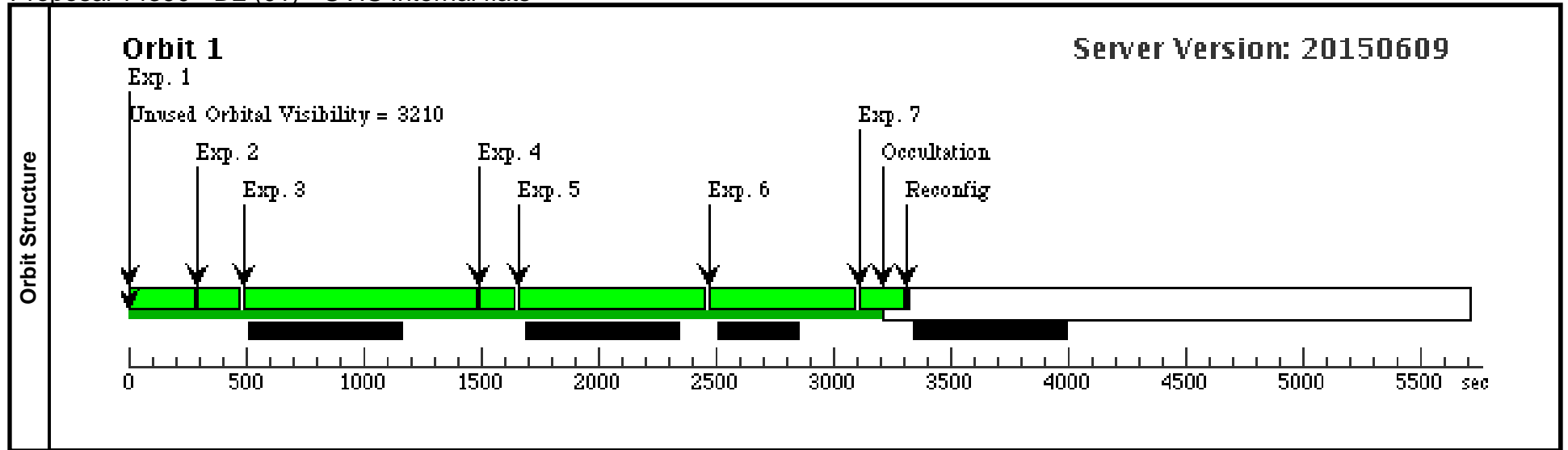
#### ----- Additional Comments -----

To mitigate degradation of the lamps we limit the power cycles and total use of the D2 lamp (as it should not be on for more than approximately 90 minutes). The current level for the tungsten lamp is set to medium (rather than high) to avoid more rapid degradation.

Proposal 14390 - D2 (01) - UVIS Internal flats

Wed Oct 07 02:04:31 GMT 2015

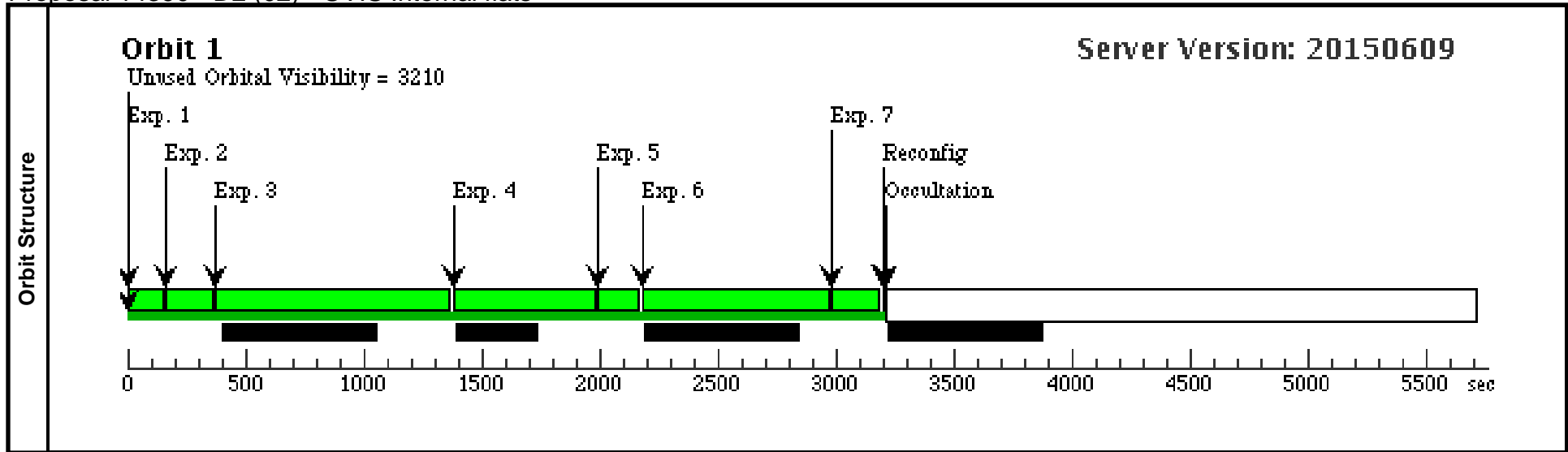
Visit	<b>Proposal 14390, D2 (01), implementation</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 01-DEC-2015:00:00:00 AND 01-FEB-2016:00:00:00: GROUP 01,02,03 WITHIN 30D									
Diagnostics	(D2 (01)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU (D2 - Flat #1 F343N (01.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (D2 - Flat #1 F275W (01.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (D2 - Flat #1 FQ387N (01.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (D2 - Flat #1 F225W (01.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (D2 - Flat #1 F395N (01.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (D2 - Flat #1 FQ232N (01.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (D2 - Flat #1 F390W (01.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
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 14390 - D2 (02) - UVIS Internal flats

Wed Oct 07 02:04:31 GMT 2015

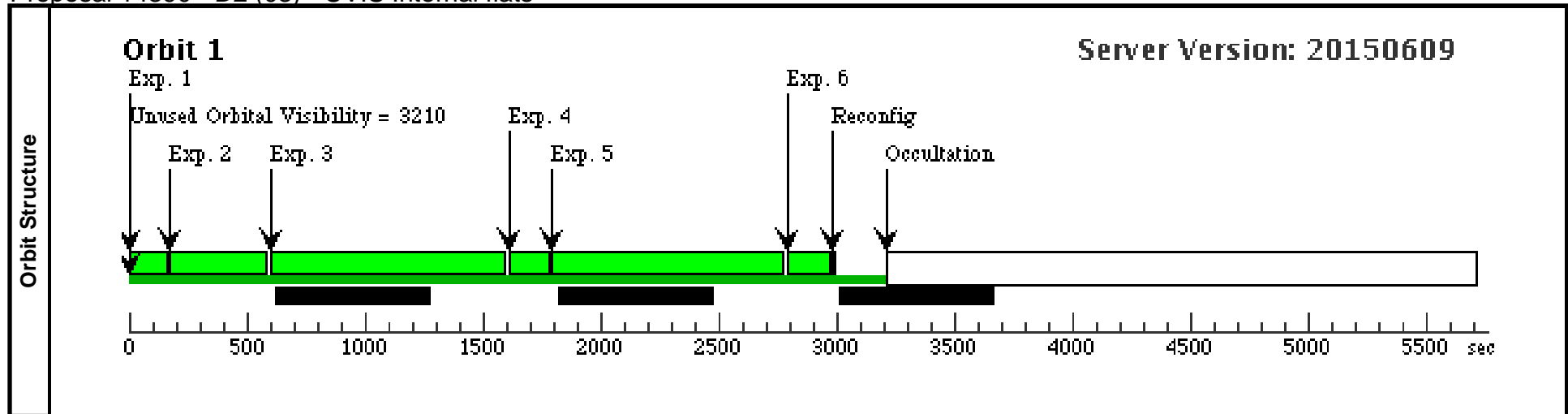
Visit	<b>Proposal 14390, D2 (02), implementation</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
Diagnostics	(D2 (02)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU (D2 - Flat #1 F200LP (02.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (D2 - Flat #2 F390W (02.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (D2 - Flat #2 FQ387N (02.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (D2 - Flat #2 FQ232N (02.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (D2 - Flat #2 F275W (02.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (D2 - Flat #1 F373N (02.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (D2 - Flat #1 F336W (02.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
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 14390 - D2 (03) - UVIS Internal flats

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Visit	<b>Proposal 14390, D2 (03), implementation</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
Diagnostics	(D2 (03)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU (D2 - Flat #1 F300X (03.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (D2 - Flat #1 F390M (03.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (D2 - Flat #3 FQ387N (03.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (D2 - Flat #1 F218W (03.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (D2 - Flat #1 F280N (03.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (D2 - Flat #2 F336W (03.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
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=MEDIUM			16.8 Secs (16.8 Secs)		
<i>Comments: #1 of 1 flats in set A-D2</i>										
2	D2 - Flat #1 F390M	DEUTERIUM	WFC3/UVIS, ACCUM, UVIS	F390M	CURRENT=MEDIUM			271.0 Secs (271 Secs)		
<i>Comments: #1 of 1 flats in set A-D2</i>										
3	D2 - Flat #3 FQ387N	DEUTERIUM	WFC3/UVIS, ACCUM, UVIS-QUAD	FQ387N	CURRENT=MEDIUM			860.0 Secs (860 Secs)		
<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=MEDIUM			35.0 Secs (35 Secs)		
<i>Comments: #1 of 1 flats in set A-D2</i>										
5	D2 - Flat #1 F280N	DEUTERIUM	WFC3/UVIS, ACCUM, UVIS	F280N	CURRENT=MEDIUM			845.0 Secs (845 Secs)		
<i>Comments: #1 of 1 flats in set A-D2</i>										
6	D2 - Flat #2 F336W	DEUTERIUM	WFC3/UVIS, ACCUM, UVIS	F336W	CURRENT=MEDIUM			58.8 Secs (58.8 Secs)		
<i>Comments: #2 of 2 flats in set A-D2</i>										





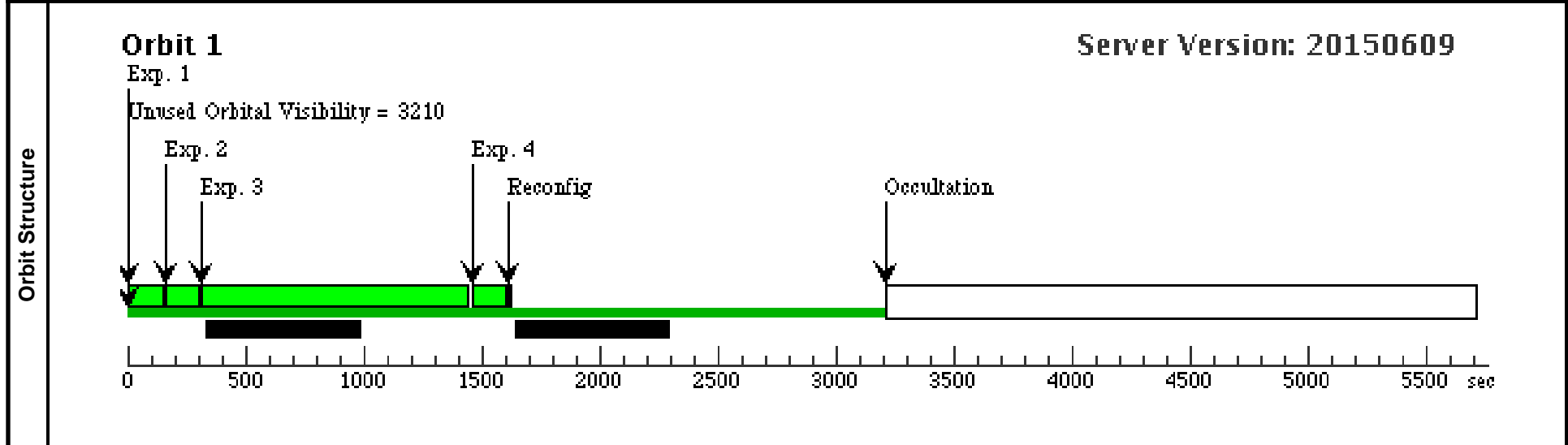
Proposal 14390 - Tu (04) - UVIS Internal flats

Wed Oct 07 02:04:32 GMT 2015

<b>Visit</b>	<b>Proposal 14390, Tu (04), implementation</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 01-MAR-2016:00:00:00 AND 30-APR-2016:00:00:00
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**Diagnosics**  
 (Tu (04)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU  
 (Tu - Flat #1 F350LP (04.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser  
 (Tu - Flat #1 F600LP (04.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser  
 (Tu - Flat #1 F469N (04.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser  
 (Tu - Flat #1 F200LP (04.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

#	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>									



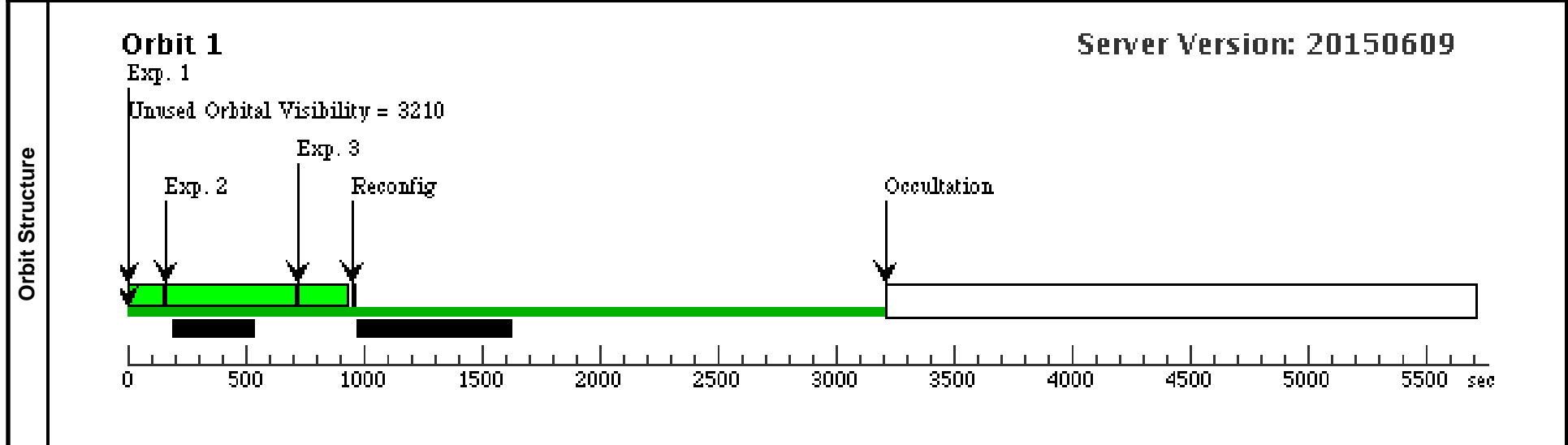
Proposal 14390 - Tu (05) - UVIS Internal flats

Wed Oct 07 02:04:32 GMT 2015

<b>Visit</b>	<b>Proposal 14390, Tu (05), implementation</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 01-MAR-2016:00:00:00 AND 30-APR-2016:00:00:00
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<b>Diagnostics</b>	(Tu - Flat #1 F763M (05.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
	(Tu - Flat #1 F467M (05.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
	(Tu - Flat #1 F953N (05.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

<b>Exposures</b>	#	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>											



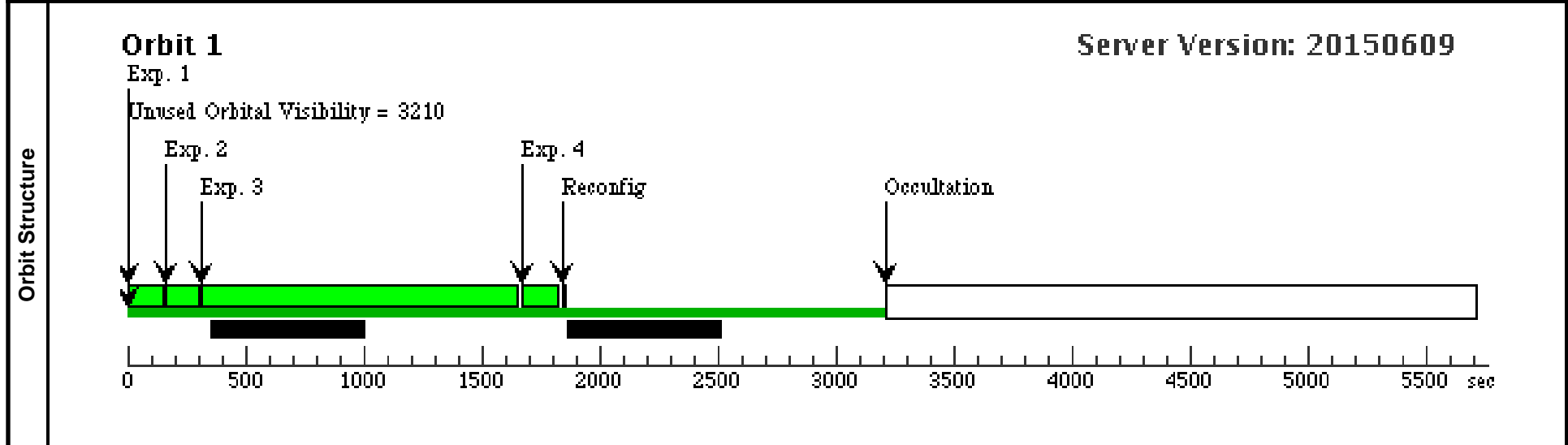
Proposal 14390 - Tu (06) - UVIS Internal flats

Wed Oct 07 02:04:32 GMT 2015

<b>Visit</b>	<b>Proposal 14390, Tu (06), implementation</b>
	<b>Diagnostic Status: Warning</b>
	Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 01-MAR-2016:00:00:00 AND 30-APR-2016:00:00:00

<b>Diagnostics</b>	(Tu (06)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU
	(Tu - Flat #1 F625W (06.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
	(Tu - Flat #1 F689M (06.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
	(Tu - Flat #1 F410M (06.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
	(Tu - Flat #1 F555W (06.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

<b>Exposures</b>	#	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>											



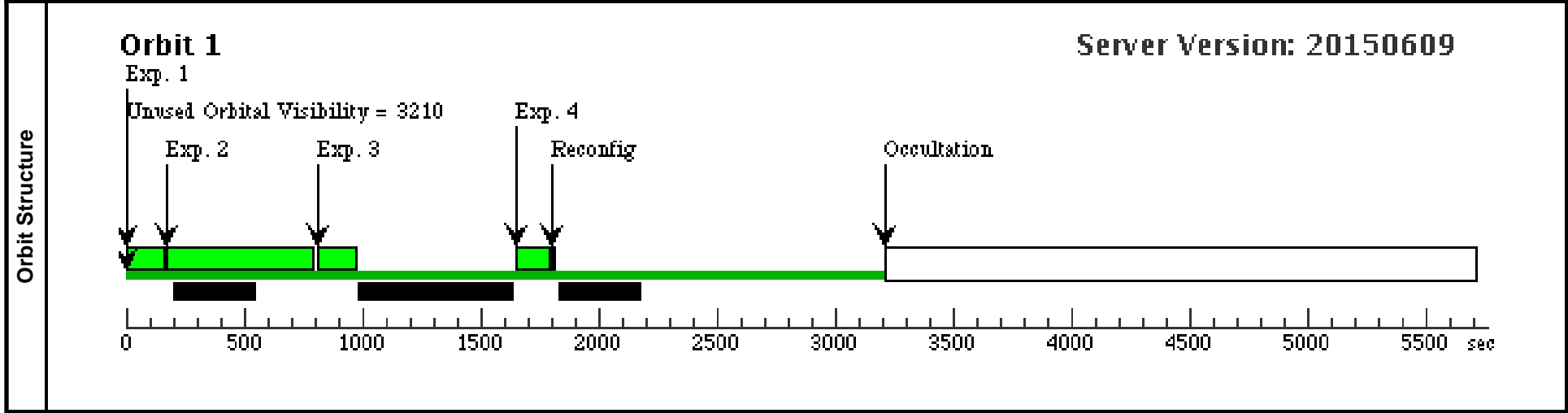
Proposal 14390 - Tu (07) - UVIS Internal flats

Wed Oct 07 02:04:32 GMT 2015

**Visit**  
**Proposal 14390, Tu (07), implementation**  
**Diagnostic Status: Warning**  
 Scientific Instruments: WFC3/UVIS  
 Special Requirements: BETWEEN 01-MAR-2016:00:00:00 AND 30-APR-2016:00:00:00

**Diagnostics**  
 (Tu (07)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU  
 (Tu - Flat #1 F621M (07.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser  
 (Tu - Flat #1 FQ508N (07.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser  
 (Tu - Flat #1 F475X (07.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser  
 (Tu - Flat #1 F845M (07.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

#	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>									



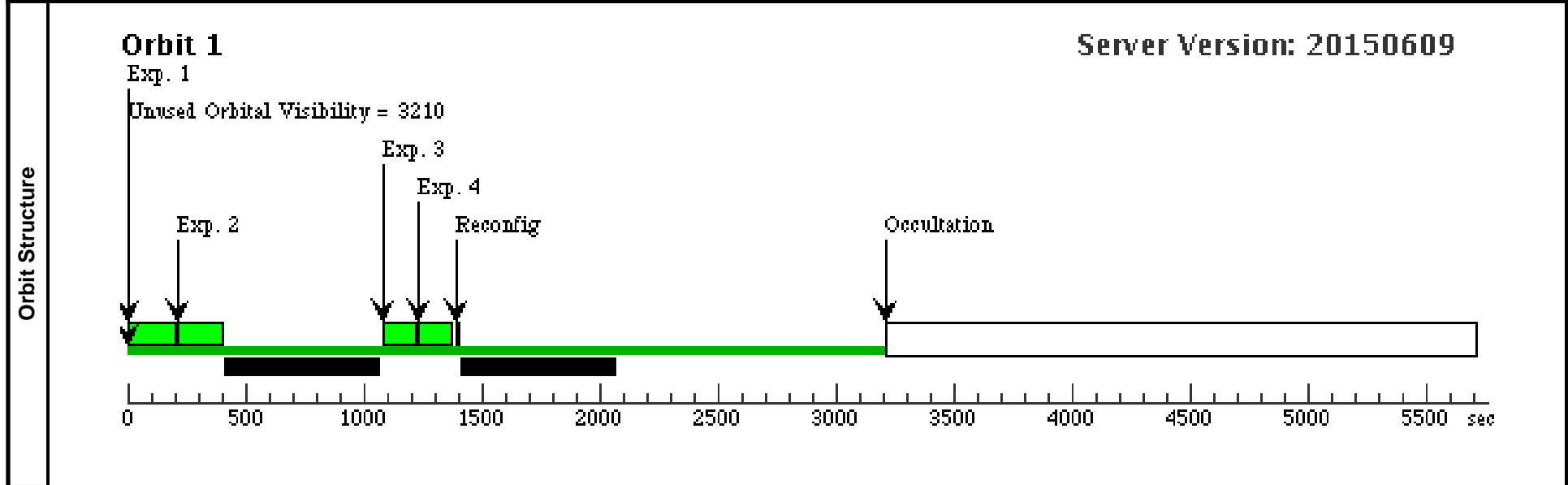
Proposal 14390 - Tu (08) - UVIS Internal flats

Wed Oct 07 02:04:32 GMT 2015

<b>Visit</b>	<b>Proposal 14390, Tu (08), implementation</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 01-MAR-2016:00:00:00 AND 30-APR-2016:00:00:00
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<b>Diagnostics</b>	(Tu (08)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU
	(Tu - Flat #1 F665N (08.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
	(Tu - Flat #1 F673N (08.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
	(Tu - Flat #1 F775W (08.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
	(Tu - Flat #1 F850LP (08.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

<b>Exposures</b>	#	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>											



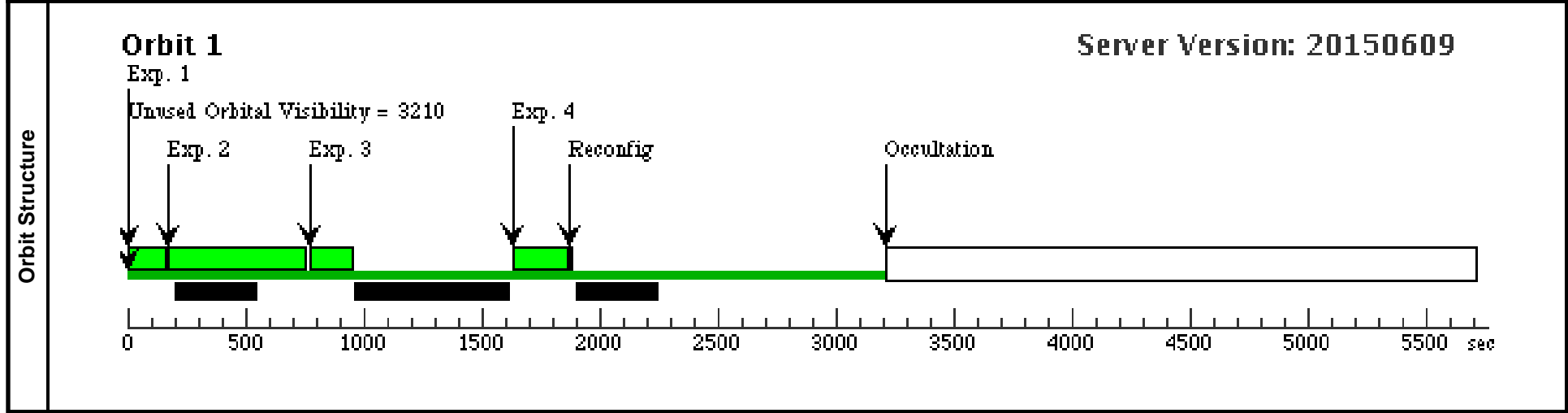
Proposal 14390 - Tu (09) - UVIS Internal flats

Wed Oct 07 02:04:33 GMT 2015

**Visit**  
**Proposal 14390, Tu (09), implementation**  
**Diagnostic Status: Warning**  
 Scientific Instruments: WFC3/UVIS  
 Special Requirements: BETWEEN 01-MAR-2016:00:00:00 AND 30-APR-2016:00:00:00

**Diagnostics**  
 (Tu (09)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU  
 (Tu - Flat #1 F680N (09.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser  
 (Tu - Flat #1 F656N (09.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser  
 (Tu - Flat #1 F547M (09.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser  
 (Tu - Flat #1 F645N (09.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

#	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>									



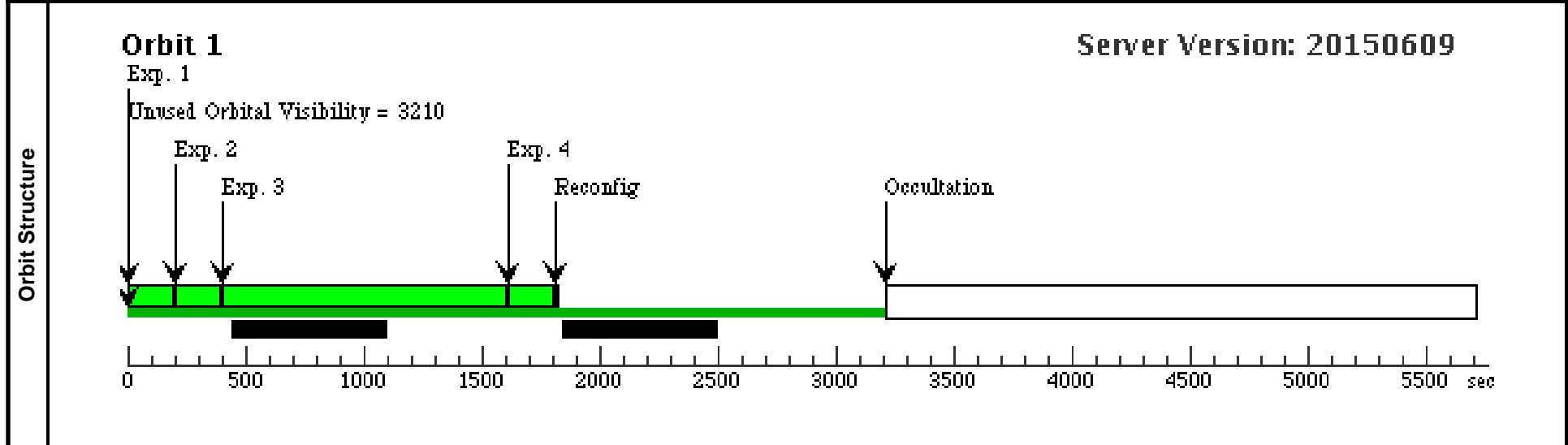
Proposal 14390 - Tu (10) - UVIS Internal flats

Wed Oct 07 02:04:33 GMT 2015

<b>Visit</b>	<b>Proposal 14390, Tu (10), implementation</b>
	<b>Diagnostic Status: Warning</b>
	Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 01-MAR-2016:00:00:00 AND 30-APR-2016:00:00:00

<b>Diagnostics</b>	(Tu (10)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU
	(Tu - Flat #1 F475W (10.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
	(Tu - Flat #1 F657N (10.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
	(Tu - Flat #1 F487N (10.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
	(Tu - Flat #1 FQ889N (10.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

<b>Exposures</b>	#	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>											



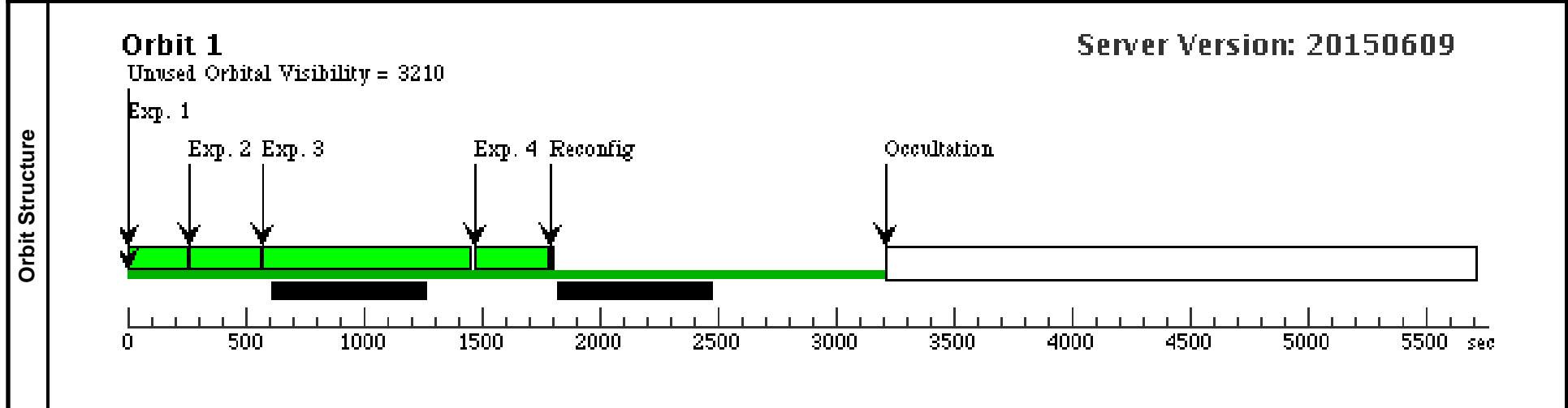
Proposal 14390 - Tu (11) - UVIS Internal flats

Wed Oct 07 02:04:33 GMT 2015

<b>Visit</b>	<b>Proposal 14390, Tu (11), implementation</b>
	<b>Diagnostic Status: Warning</b>
	Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 01-MAR-2016:00:00:00 AND 30-APR-2016:00:00:00

<b>Diagnostics</b>	(Tu (11)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU
	(Tu - Flat #1 FQ619N (11.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
	(Tu - Flat #1 F631N (11.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
	(Tu - Flat #1 F502N (11.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
	(Tu - Flat #1 F658N (11.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

<b>Exposures</b>	#	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>											





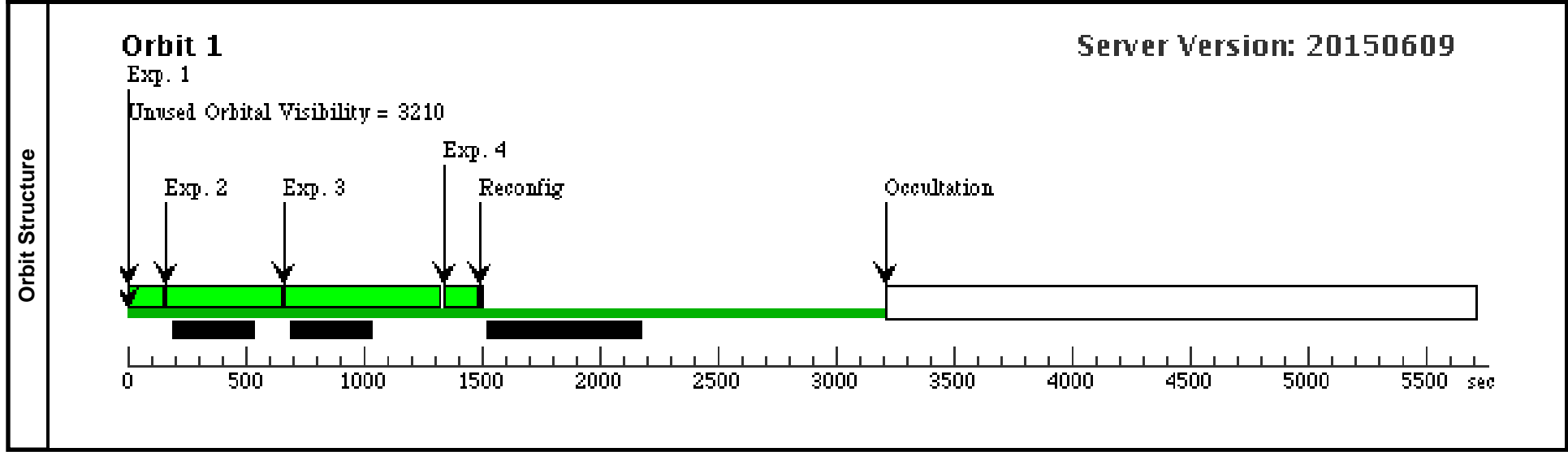
Proposal 14390 - Tu early (12) - UVIS Internal flats

Wed Oct 07 02:04:33 GMT 2015

<b>Visit</b>	<b>Proposal 14390, Tu early (12), implementation</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 01-DEC-2015:00:00:00 AND 01-JAN-2016:00:00:00
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<b>Diagnostics</b>	(Tu early (12)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU (Tu - Flat F606W (12.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Tu - Flat F438W (12.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Tu - Flat F390W (12.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Tu - Flat F814W (12.004)) 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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#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Tu - Flat F606W	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 F438W	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F438W				350 Secs (350 Secs) [==>]	[1]
3	Tu - Flat F390W	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F390W				525 Secs (525 Secs) [==>]	[1]
4	Tu - Flat F814W	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F814W				2.0 Secs (2 Secs) [==>]	[1]
<i>Comments: #1 of 4 flats in set A-Tu</i>									



Proposal 14390 - Tu late (13) - UVIS Internal flats

Wed Oct 07 02:04:33 GMT 2015

**Visit**  
**Proposal 14390, Tu late (13), implementation**  
**Diagnostic Status: Warning**  
 Scientific Instruments: WFC3/UVIS  
 Special Requirements: BETWEEN 01-JUN-2016:00:00:00 AND 01-JUL-2016:00:00:00

**Diagnostics**  
 (Tu late (13)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU  
 (Tu - Flat F606W (13.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser  
 (Tu - Flat F438W (13.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser  
 (Tu - Flat F390W (13.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser  
 (Tu - Flat F814W (13.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Tu - Flat F606W	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 F438W	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F438W				350 Secs (350 Secs) [==>]	[1]
3	Tu - Flat F390W	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F390W				525 Secs (525 Secs) [==>]	[1]
4	Tu - Flat F814W	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F814W				2.0 Secs (2 Secs) [==>]	[1]
<i>Comments: #1 of 4 flats in set A-Tu</i>									

