



12691 - WFC3/UVIS internal CTE monitor

Cycle: 19, 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	DARK TUNGSTEN	WFC3/UVIS	1	29-Aug-2011 21:48:34.0	yes
02	DARK TUNGSTEN	WFC3/UVIS	1	29-Aug-2011 21:48:41.0	yes
03	DARK TUNGSTEN	WFC3/UVIS	1	29-Aug-2011 21:48:46.0	yes
04	DARK TUNGSTEN	WFC3/UVIS	1	29-Aug-2011 21:48:50.0	yes
05	DARK TUNGSTEN	WFC3/UVIS	1	29-Aug-2011 21:48:55.0	yes
06	DARK TUNGSTEN	WFC3/UVIS	1	29-Aug-2011 21:48:59.0	yes
07	DARK TUNGSTEN	WFC3/UVIS	1	29-Aug-2011 21:49:03.0	yes

Proposal 12691 (STScI Edit Number: 1, Created: Monday, August 29, 2011 8:50:27 PM EST) - Overview

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
08	DARK TUNGSTEN	WFC3/UVIS	1	29-Aug-2011 21:49:08.0	yes
09	DARK TUNGSTEN	WFC3/UVIS	1	29-Aug-2011 21:49:12.0	yes
10	DARK TUNGSTEN	WFC3/UVIS	1	29-Aug-2011 21:49:17.0	yes
11	DARK TUNGSTEN	WFC3/UVIS	1	29-Aug-2011 21:49:21.0	yes
12	DARK TUNGSTEN	WFC3/UVIS	1	29-Aug-2011 21:49:25.0	yes
13	DARK TUNGSTEN	WFC3/UVIS	1	29-Aug-2011 21:49:32.0	yes
14	DARK TUNGSTEN	WFC3/UVIS	1	29-Aug-2011 21:49:36.0	yes
15	DARK TUNGSTEN	WFC3/UVIS	1	29-Aug-2011 21:49:40.0	yes
16	DARK TUNGSTEN	WFC3/UVIS	1	29-Aug-2011 21:49:44.0	yes
17	DARK TUNGSTEN	WFC3/UVIS	1	29-Aug-2011 21:49:49.0	yes
18	DARK TUNGSTEN	WFC3/UVIS	1	29-Aug-2011 21:49:53.0	yes
19	DARK TUNGSTEN	WFC3/UVIS	1	29-Aug-2011 21:49:57.0	yes
20	DARK TUNGSTEN	WFC3/UVIS	1	29-Aug-2011 21:50:02.0	yes
21	DARK TUNGSTEN	WFC3/UVIS	1	29-Aug-2011 21:50:07.0	yes
22	DARK TUNGSTEN	WFC3/UVIS	1	29-Aug-2011 21:50:12.0	yes
23	DARK TUNGSTEN	WFC3/UVIS	1	29-Aug-2011 21:50:17.0	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>
24	DARK TUNGSTEN	WFC3/UVIS	1	29-Aug-2011 21:50:22.0	yes

24 Total Orbits Used

ABSTRACT

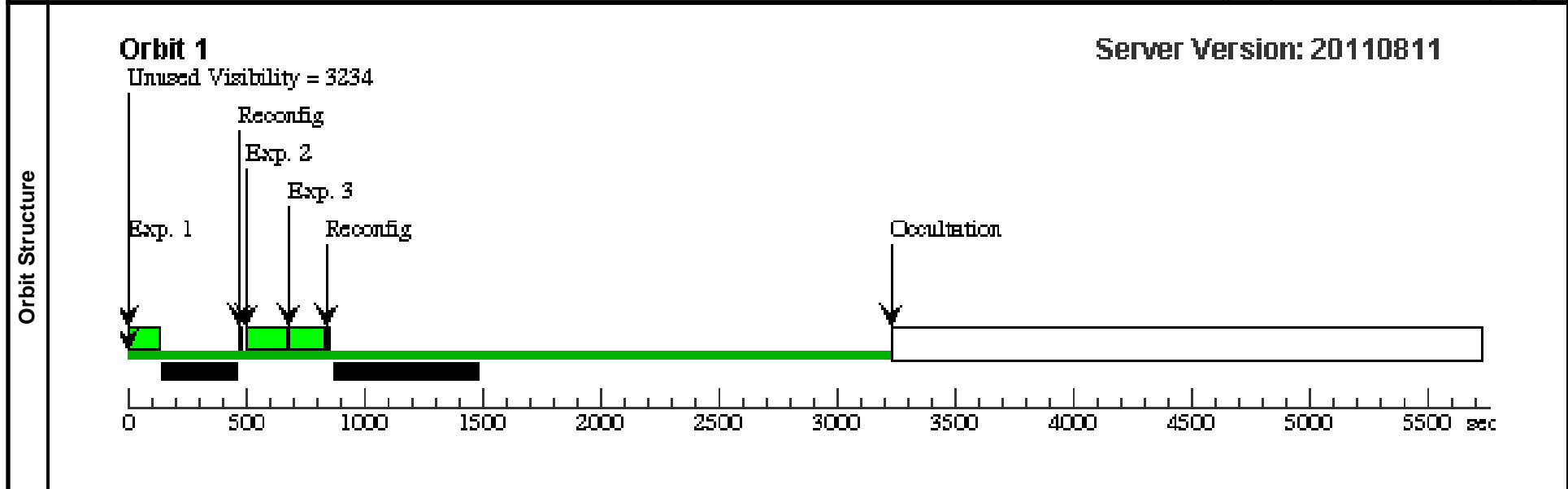
WFC3/UVIS CCD detector Charge Transfer Inefficiency (CTI) will be measured with the EPER (Extended Pixel Edge Response) method using tungsten lamp flat field exposures. This CTE monitoring program is part of an on-going effort to monitor and measure CTE losses over time.

OBSERVING DESCRIPTION

The program consists of internal tungsten lamp flat field observations with short exposures through three filters F390M, F390W and F438W with different illumination levels of 200, 400, 800, 1600 and 5000 electrons. These observations will be used to monitor the CTE detector over time, by measuring the profiles into trailing over-scan region (EPER - extended pixel edge response), as described by Kozhurina-Platais (2009, ISR-WFC3-2009-10; 2010, "HST Calibration Workshop", ISR-WFC3-2011 in publication). The internal observations with tungsten lamp are similar to exposures taken during Cycle 18 proposal (CAL_12347). Each visit consists of one orbit, and every 2 visits are grouped together so that all illumination levels are acquired in each pair of visits. Each group is repeated 12 times spaced approximately 4-6 weeks apart, for total of 24 internal orbits.

Visit	Proposal 12691, Visit 01									
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/UVIS									
	Special Requirements: BETWEEN 01-NOV-2011:00:00:00 AND 01-DEC-2011:00:00:00; GROUP 01,02 WITHIN 1D									

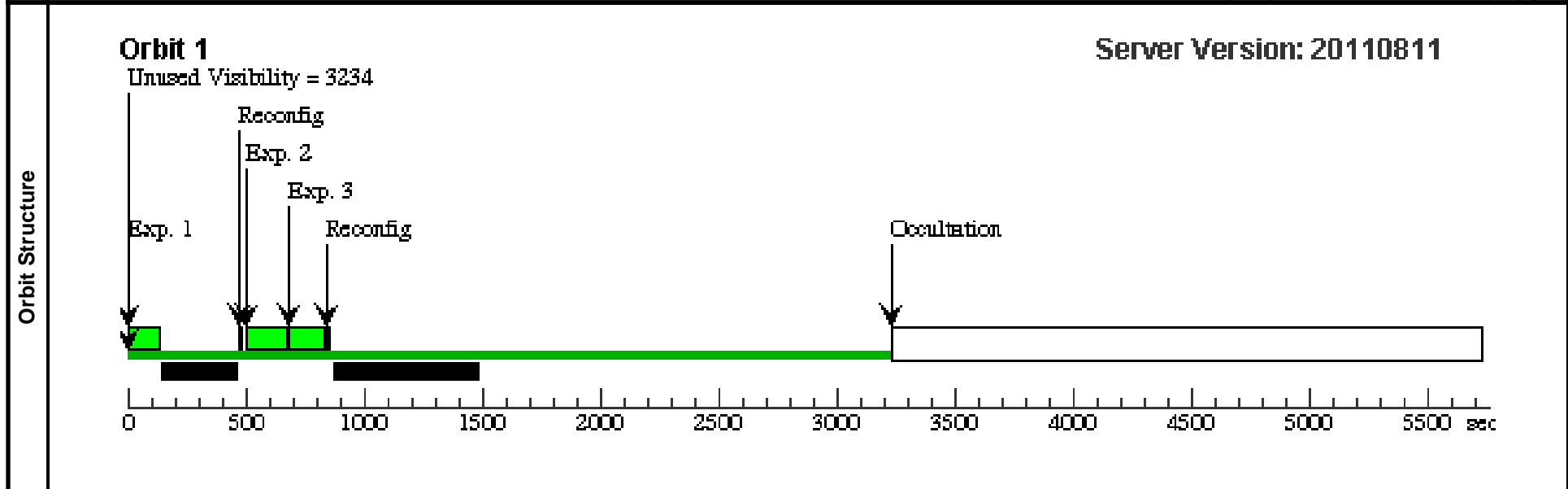
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	0.5	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	CTE=EPER			0.5 Secs	
									[==>]	[1]
	2	9.2	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F390M	CTE=EPER			9.2 Secs	
								[==>]	[1]	
3	22.9	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F390M	CTE=EPER			22.9 Secs		
								[==>]	[1]	



Visit	Proposal 12691, Visit 02 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	(Visit 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/[Actual Dur.]	Orbit
	1	0.5	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	CTE=EPER			0.5 Secs [==>]	[1]
	2	6.4	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F390W	CTE=EPER			6.4 Secs [==>]	[1]
	3	7.6	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F438W	CTE=EPER			7.6 Secs [==>]	[1]
	4	22.7	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F438W	CTE=EPER			22.7 Secs [==>]	[1]
Orbit Structure	<p>Orbit 1 Unused Visibility = 3234</p> <p>Server Version: 20110811</p>									
	<p>The timeline shows a sequence of events over 5500 seconds. Green bars represent exposure durations for Exp. 1, Exp. 2, Exp. 3, and Exp. 4. Black bars represent reconfiguration periods. An occultation period is shown starting around 3200 seconds. The x-axis is labeled in seconds (sec).</p>									

Visit	Proposal 12691, Visit 03									
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/UVIS									
	Special Requirements: BETWEEN 01-DEC-2011:00:00:00 AND 01-JAN-2012:00:00:00: GROUP 03,04 WITHIN 1D									

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	0.5	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	CTE=EPER			0.5 Secs	
									[==>]	[1]
	2	9.2	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F390M	CTE=EPER			9.2 Secs	
								[==>]	[1]	
3	22.9	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F390M	CTE=EPER			22.9 Secs		
								[==>]	[1]	



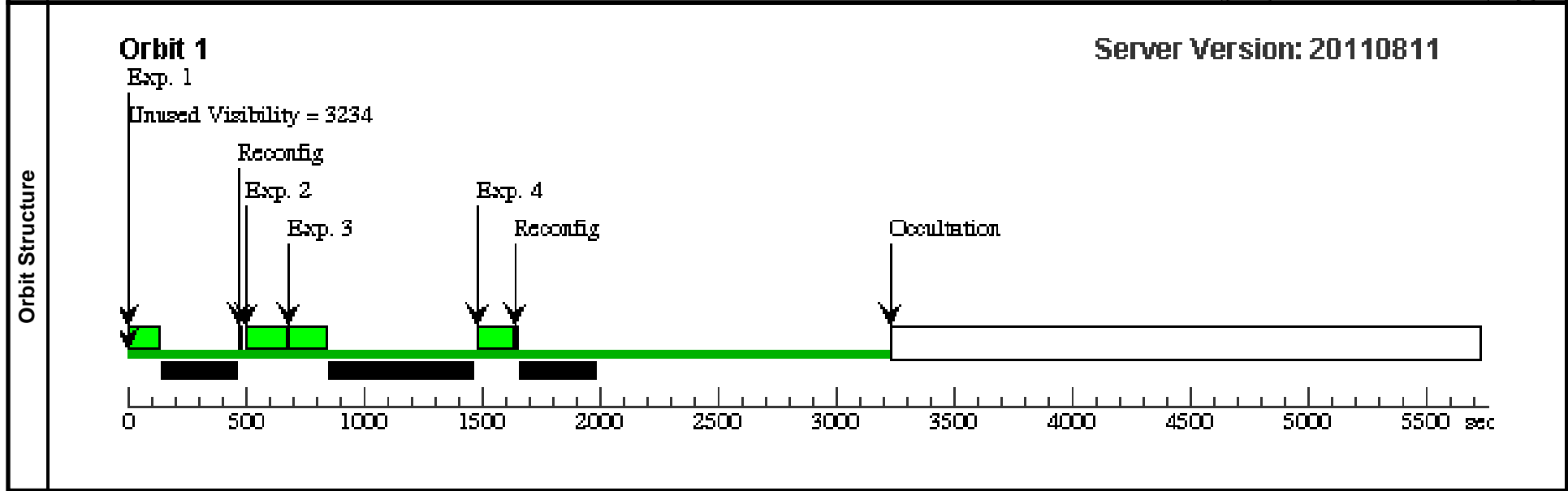
Proposal 12691 - Visit 04 - WFC3/UVIS internal CTE monitor

Tue Aug 30 01:50:30 GMT 2011

Visit	Proposal 12691, Visit 04 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)
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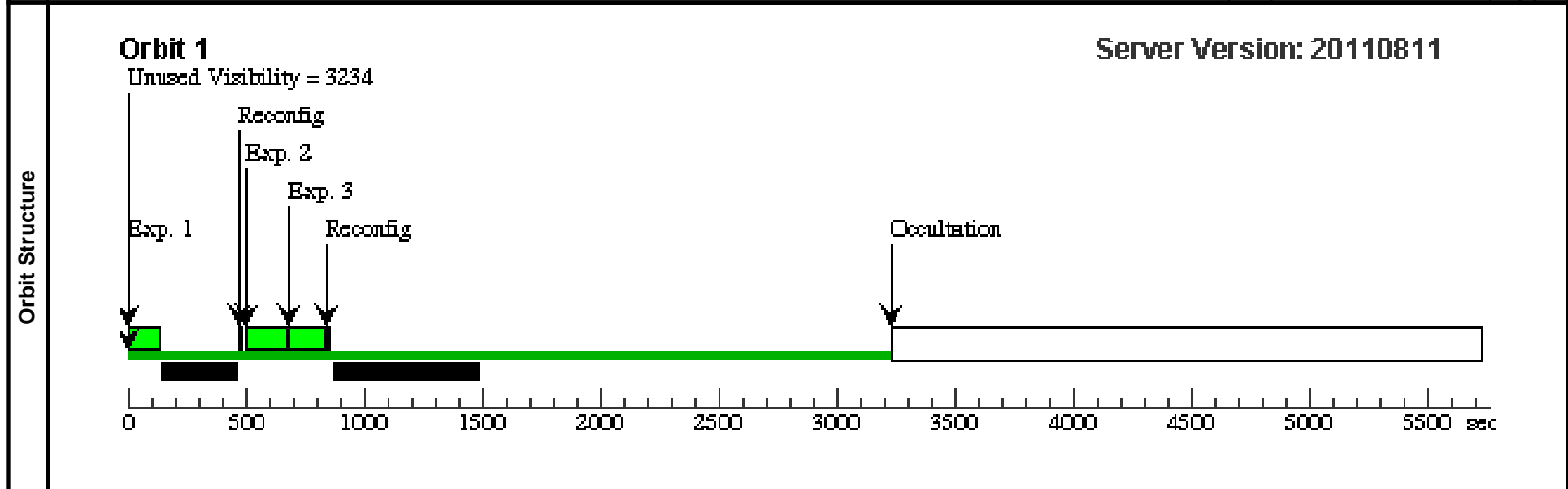
Diagnostics	(Visit 04) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU
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#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	0.5	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	CTE=EPER			0.5 Secs [==>]	[1]
2	6.4	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F390W	CTE=EPER			6.4 Secs [==>]	[1]
3	7.6	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F438W	CTE=EPER			7.6 Secs [==>]	[1]
4	22.7	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F438W	CTE=EPER			22.7 Secs [==>]	[1]



Visit	Proposal 12691, Visit 05									
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/UVIS									
	Special Requirements: BETWEEN 01-JAN-2012:00:00:00 AND 01-FEB-2012:00:00:00; GROUP 05.06 WITHIN 1D									

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	0.5	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	CTE=EPER			0.5 Secs	
									[==>]	[1]
	2	9.2	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F390M	CTE=EPER			9.2 Secs	
								[==>]	[1]	
3	22.9	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F390M	CTE=EPER			22.9 Secs		
								[==>]	[1]	



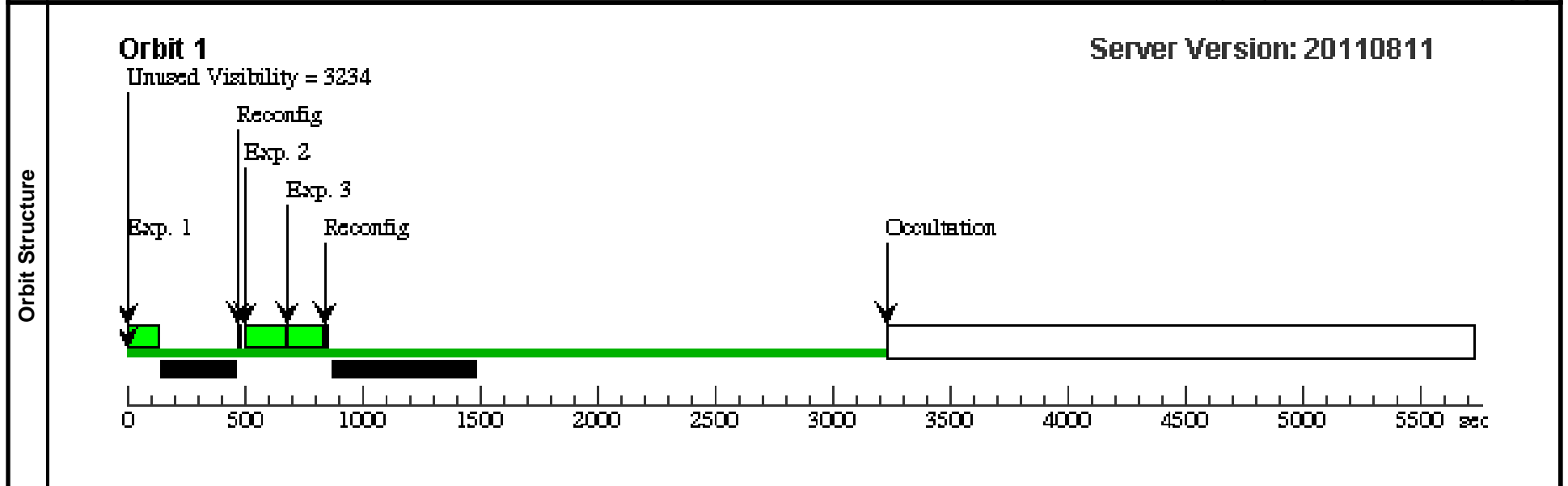
Proposal 12691 - Visit 06 - WFC3/UVIS internal CTE monitor

Tue Aug 30 01:50:32 GMT 2011

Visit	Proposal 12691, Visit 06 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	(Visit 06) 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/[Actual Dur.]	Orbit
	1	0.5	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	CTE=EPER			0.5 Secs [==>]	[1]
	2	6.4	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F390W	CTE=EPER			6.4 Secs [==>]	[1]
	3	7.6	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F438W	CTE=EPER			7.6 Secs [==>]	[1]
	4	22.7	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F438W	CTE=EPER			22.7 Secs [==>]	[1]
Orbit Structure	<p>Orbit 1 Server Version: 20110811</p> <p>Exp. 1 Unused Visibility = 3234</p> <p>The timeline shows a sequence of events over 5500 seconds. It starts with an exposure (Exp. 1) from 0 to ~100s. This is followed by a reconfiguration (black bar) from ~100 to ~200s. Then, another exposure (Exp. 2) from ~200 to ~300s, followed by a reconfiguration (black bar) from ~300 to ~400s. Exposure 3 (Exp. 3) occurs from ~400 to ~500s, followed by a reconfiguration (black bar) from ~500 to ~600s. Exposure 4 (Exp. 4) occurs from ~600 to ~700s, followed by a reconfiguration (black bar) from ~700 to ~800s. After another reconfiguration (black bar) from ~800 to ~900s, there is a long period of occultation (grey bar) from ~900 to ~5500s.</p>									
	<p>Exp. 2 Reconfig Exp. 3 Reconfig Exp. 4 Reconfig Occultation</p>									

Visit	Proposal 12691, Visit 07									
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/UVIS									
	Special Requirements: BETWEEN 01-FEB-2012:00:00:00 AND 01-MAR-2012:00:00:00; GROUP 07.08 WITHIN 1D									

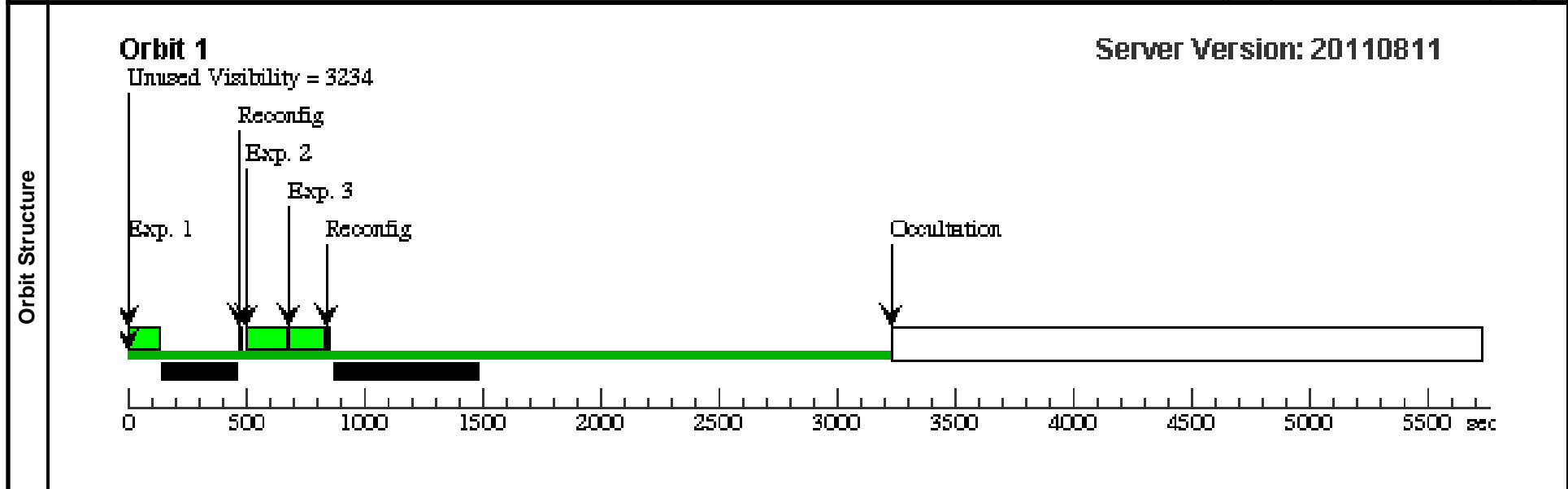
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	0.5	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	CTE=EPER			0.5 Secs	
									[==>]	[1]
	2	9.2	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F390M	CTE=EPER			9.2 Secs	
								[==>]	[1]	
3	22.9	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F390M	CTE=EPER			22.9 Secs		
								[==>]	[1]	



Visit	Proposal 12691, Visit 08 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	(Visit 08) 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/[Actual Dur.]	Orbit
	1	0.5	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	CTE=EPER			0.5 Secs [==>]	[1]
	2	6.4	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F390W	CTE=EPER			6.4 Secs [==>]	[1]
	3	7.6	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F438W	CTE=EPER			7.6 Secs [==>]	[1]
	4	22.7	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F438W	CTE=EPER			22.7 Secs [==>]	[1]
Orbit Structure	<p>Orbit 1 Server Version: 20110811 Unused Visibility = 3234</p> <p>The diagram shows a horizontal timeline from 0 to 5500 seconds. Green bars represent exposure durations: Exp. 1 (0-0.5s), Exp. 2 (6.4-12.8s), Exp. 3 (7.6-15.2s), and Exp. 4 (22.7-45.4s). Black bars represent reconfiguration periods. A long white bar starting at approximately 3234 seconds indicates the occultation period. The x-axis is labeled 'sec' and has major ticks every 500 units.</p>									

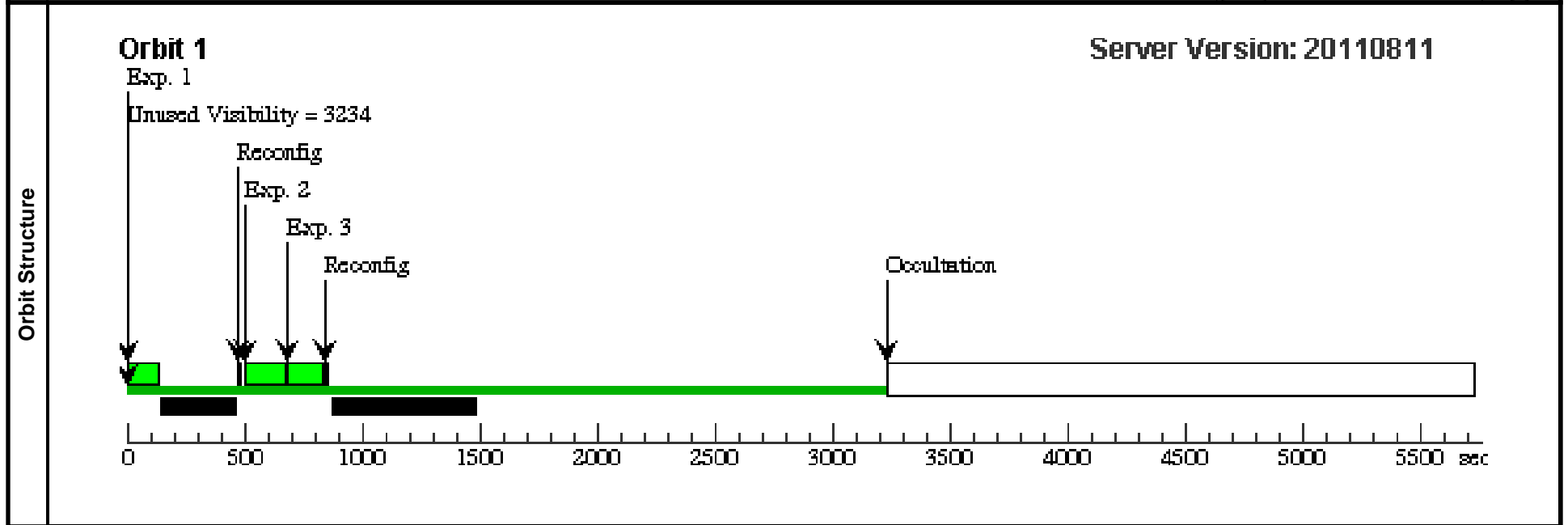
Visit	Proposal 12691, Visit 09									
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/UVIS									
	Special Requirements: BETWEEN 01-MAR-2012:00:00:00 AND 01-APR-2012:00:00:00; GROUP 09,10 WITHIN 1D									

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	0.5	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	CTE=EPER			0.5 Secs	
									[==>]	[1]
	2	9.2	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F390M	CTE=EPER			9.2 Secs	
								[==>]	[1]	
3	22.9	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F390M	CTE=EPER			22.9 Secs		
								[==>]	[1]	



Visit	Proposal 12691, Visit 10 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	(Visit 10) 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/[Actual Dur.]	Orbit
	1	0.5	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	CTE=EPER			0.5 Secs [==>]	[1]
	2	6.4	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F390W	CTE=EPER			6.4 Secs [==>]	[1]
	3	7.6	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F438W	CTE=EPER			7.6 Secs [==>]	[1]
	4	22.7	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F438W	CTE=EPER			22.7 Secs [==>]	[1]
Orbit Structure	<p>Orbit 1 Server Version: 20110811</p> <p>Unused Visibility = 3234</p> <p>The timeline shows a sequence of events over 5500 seconds. Green bars represent exposure durations: Exp. 1 (0-100s), Exp. 2 (500-510s), Exp. 3 (600-610s), and Exp. 4 (1500-1520s). Black bars represent reconfigurations: Reconfig (100-150s), Reconfig (150-200s), and Reconfig (1700-1900s). An occultation event is shown as a long white bar starting at approximately 3200 seconds and ending at 5500 seconds. The x-axis is labeled 'sec' and ranges from 0 to 5500 with major ticks every 500 units.</p>									
	<p>Exp. 1 Reconfig Exp. 2 Exp. 3 Reconfig Exp. 4 Occultation</p>									

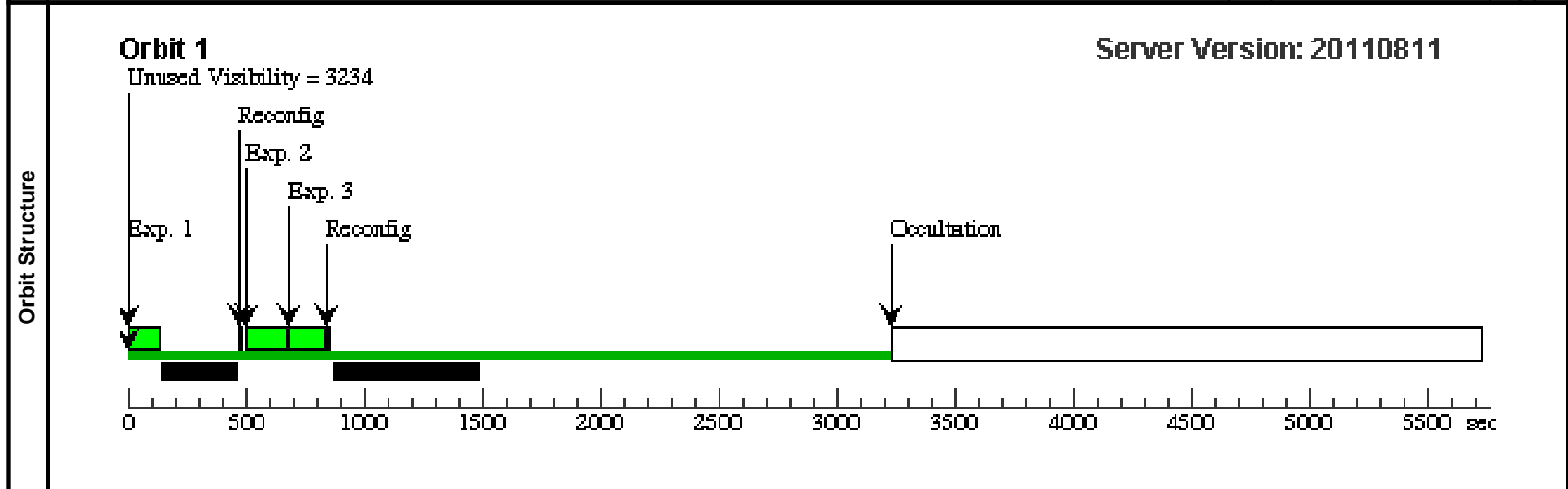
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	0.5	DARK		WFC3/UVIS, ACCUM, UVIS	DEF	CTE=EPER			0.5 Secs [==>]
2	9.2	TUNGSTEN		WFC3/UVIS, ACCUM, UVIS	F390M	CTE=EPER			9.2 Secs [==>]	[1]
3	22.9	TUNGSTEN		WFC3/UVIS, ACCUM, UVIS	F390M	CTE=EPER			22.9 Secs [==>]	[1]



Visit	Proposal 12691, Visit 12 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	(Visit 12) 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/[Actual Dur.]	Orbit
	1	0.5	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	CTE=EPER			0.5 Secs [==>]	[1]
	2	6.4	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F390W	CTE=EPER			6.4 Secs [==>]	[1]
	3	7.6	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F438W	CTE=EPER			7.6 Secs [==>]	[1]
	4	22.7	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F438W	CTE=EPER			22.7 Secs [==>]	[1]
Orbit Structure	<p>Orbit 1 Server Version: 20110811</p> <p>Unused Visibility = 3234</p> <p>The timeline shows a sequence of events over 5500 seconds. Green bars represent exposure durations: Exp. 1 (0-100s), Exp. 2 (500-516.4s), Exp. 3 (600-617.6s), and Exp. 4 (1500-1522.7s). Black bars represent reconfigurations: Reconfig (100-500s), Reconfig (516.4-600s), Reconfig (617.6-1500s), and Reconfig (1522.7-1600s). An occultation period is shown from approximately 3200s to 5500s. A green bar at the bottom indicates visibility from 0 to 3200s.</p>									
	<p>0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 sec</p>									

Visit	Proposal 12691, Visit 13									
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/UVIS									
	Special Requirements: BETWEEN 01-MAY-2012:00:00:00 AND 01-JUN-2012:00:00:00; GROUP 13,14 WITHIN 1D									

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	0.5	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	CTE=EPER			0.5 Secs	
									[==>]	[1]
	2	9.2	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F390M	CTE=EPER			9.2 Secs	
								[==>]	[1]	
3	22.9	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F390M	CTE=EPER			22.9 Secs		
								[==>]	[1]	



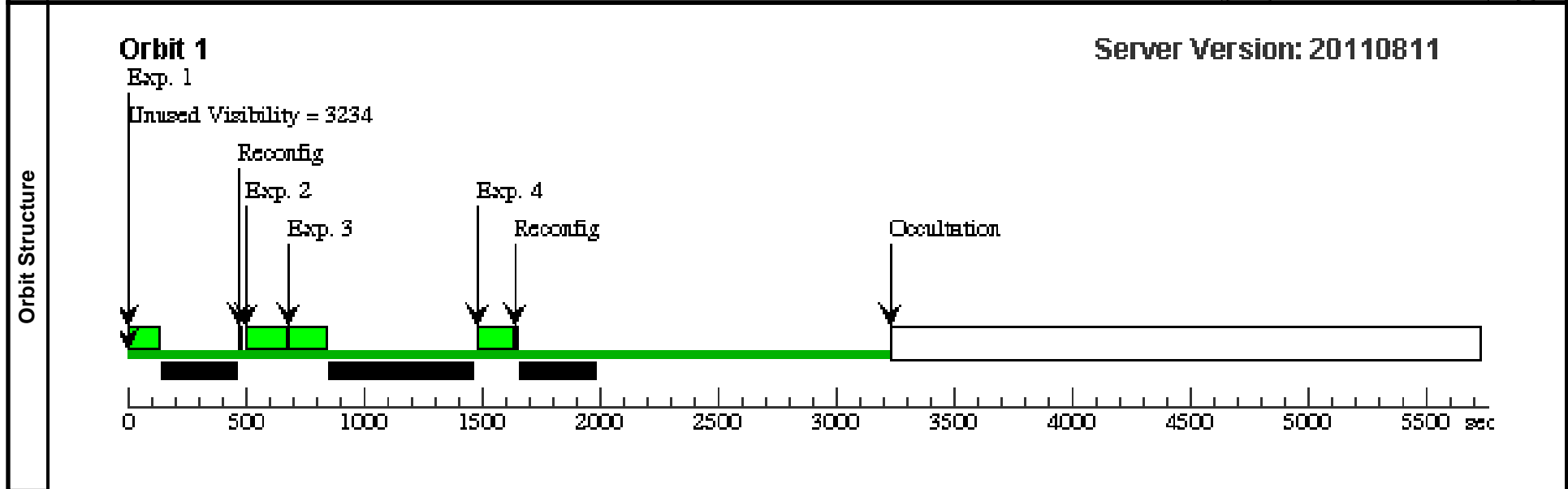
Proposal 12691 - Visit 14 - WFC3/UVIS internal CTE monitor

Tue Aug 30 01:50:36 GMT 2011

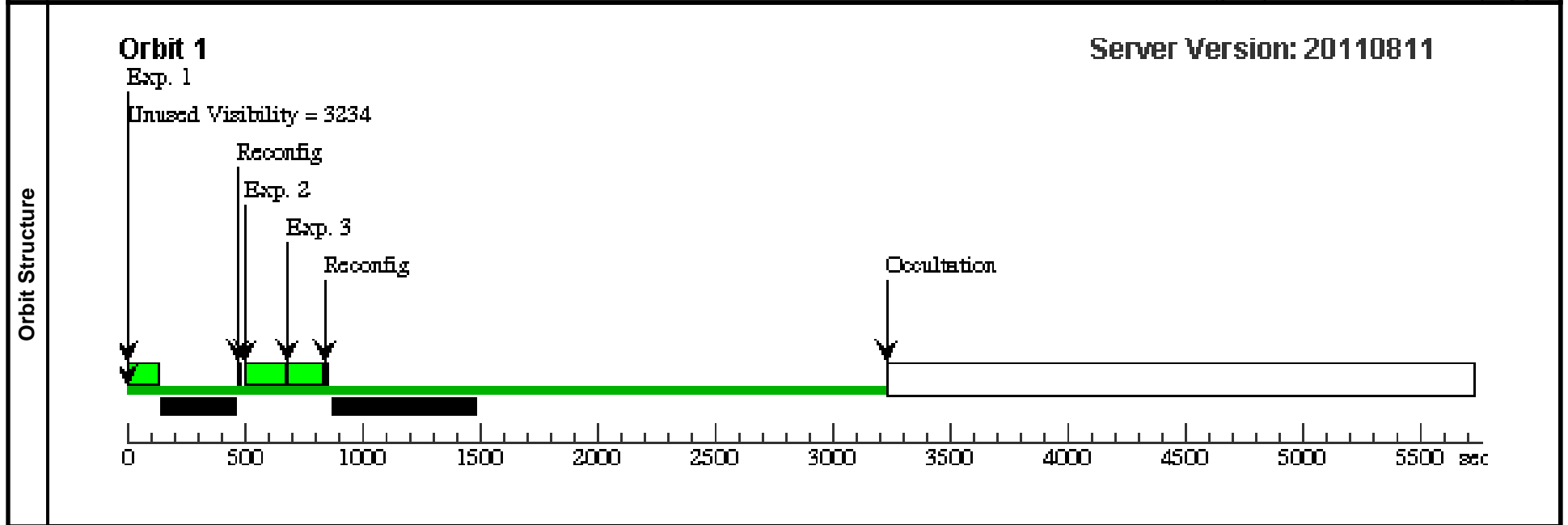
Visit	Proposal 12691, Visit 14 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)
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Diagnostics	(Visit 14) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	0.5	DARK		WFC3/UVIS, ACCUM, UVIS	DEF	CTE=EPER			0.5 Secs [==>]
2	6.4	TUNGSTEN		WFC3/UVIS, ACCUM, UVIS	F390W	CTE=EPER			6.4 Secs [==>]	[1]
3	7.6	TUNGSTEN		WFC3/UVIS, ACCUM, UVIS	F438W	CTE=EPER			7.6 Secs [==>]	[1]
4	22.7	TUNGSTEN		WFC3/UVIS, ACCUM, UVIS	F438W	CTE=EPER			22.7 Secs [==>]	[1]



Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
		1	0.5	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	CTE=EPER			0.5 Secs [==>]
	2	9.2	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F390M	CTE=EPER			9.2 Secs [==>]	[1]
	3	22.9	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F390M	CTE=EPER			22.9 Secs [==>]	[1]



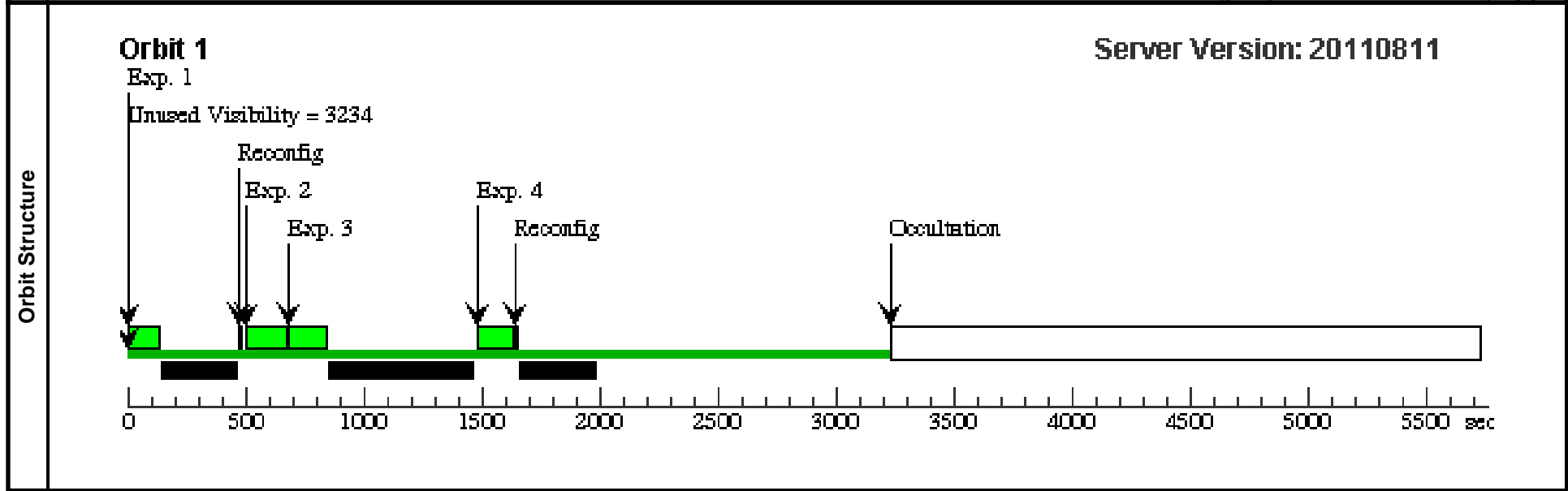
Proposal 12691 - Visit 16 - WFC3/UVIS internal CTE monitor

Tue Aug 30 01:50:37 GMT 2011

Visit	Proposal 12691, Visit 16 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)
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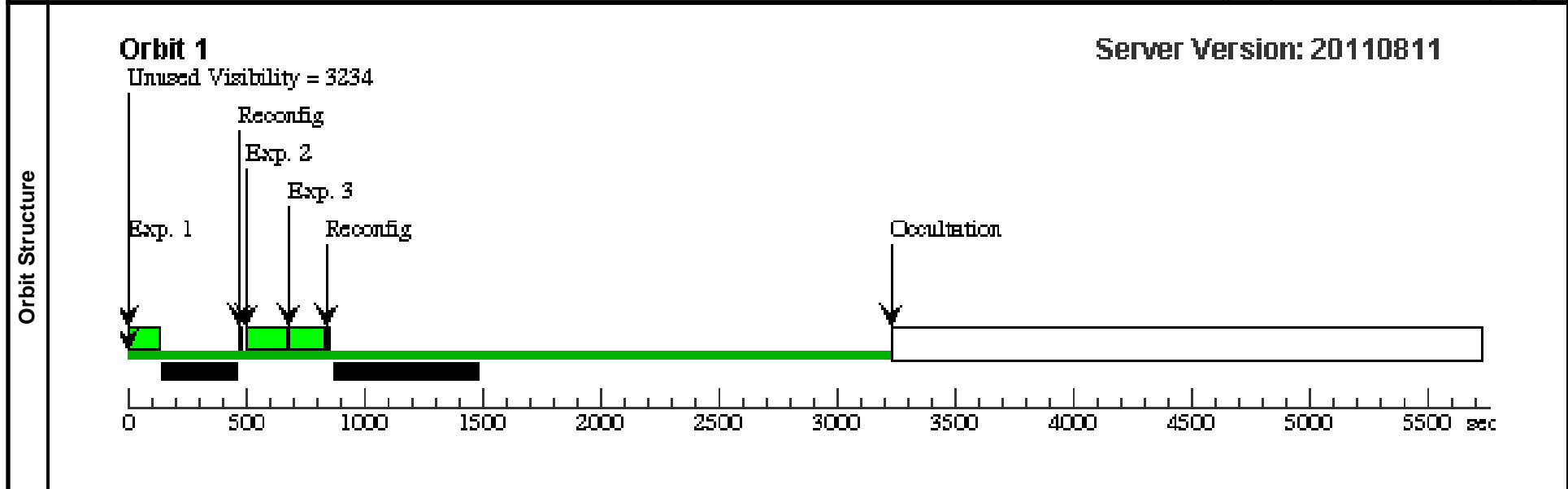
Diagnostics	(Visit 16) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU
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#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	0.5	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	CTE=EPER			0.5 Secs [==>]	[1]
2	6.4	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F390W	CTE=EPER			6.4 Secs [==>]	[1]
3	7.6	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F438W	CTE=EPER			7.6 Secs [==>]	[1]
4	22.7	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F438W	CTE=EPER			22.7 Secs [==>]	[1]



Visit	Proposal 12691, Visit 17									
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/UVIS									
	Special Requirements: BETWEEN 01-JUL-2012:00:00:00 AND 01-AUG-2012:00:00:00; GROUP 17,18 WITHIN 1D									

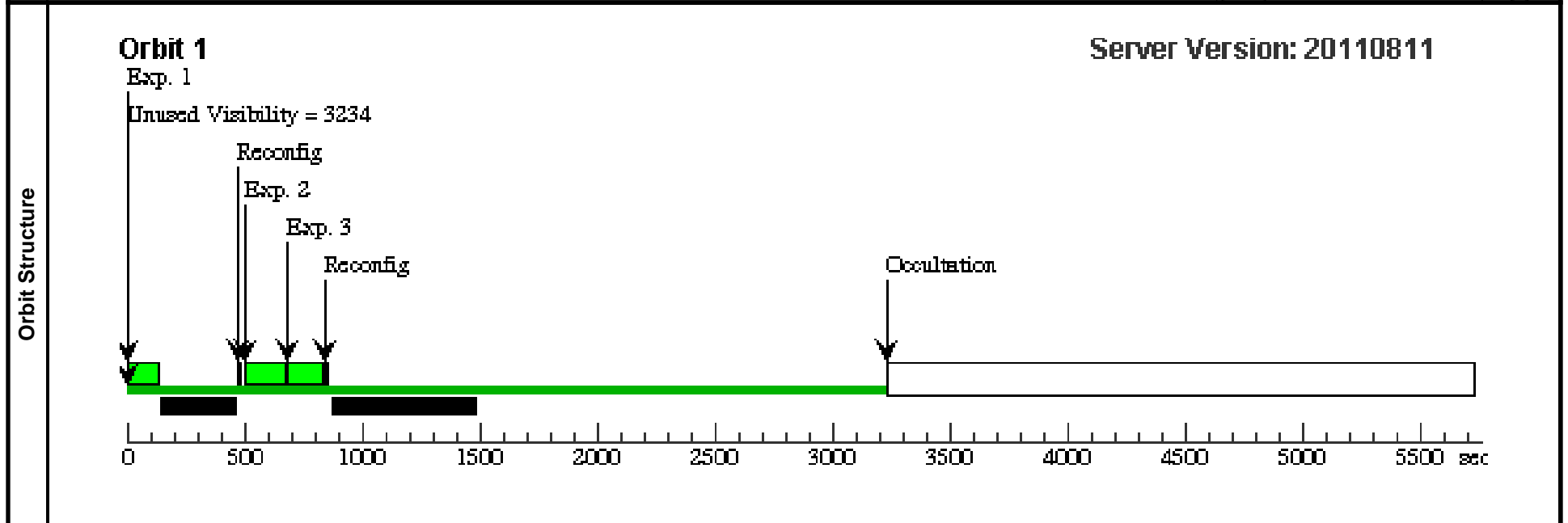
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	0.5	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	CTE=EPER			0.5 Secs	
									[==>]	[1]
	2	9.2	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F390M	CTE=EPER			9.2 Secs	
								[==>]	[1]	
3	22.9	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F390M	CTE=EPER			22.9 Secs		
								[==>]	[1]	



Visit	Proposal 12691, Visit 18 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	(Visit 18) 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/[Actual Dur.]	Orbit
	1	0.5	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	CTE=EPER			0.5 Secs [==>]	[1]
	2	6.4	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F390W	CTE=EPER			6.4 Secs [==>]	[1]
	3	7.6	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F438W	CTE=EPER			7.6 Secs [==>]	[1]
	4	22.7	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F438W	CTE=EPER			22.7 Secs [==>]	[1]
Orbit Structure	<p>Orbit 1 Server Version: 20110811 Unused Visibility = 3234</p> <p>The timeline shows a sequence of events over 5500 seconds. Green bars represent exposure durations: Exp. 1 (0-100s), Exp. 2 (500-510s), Exp. 3 (600-610s), and Exp. 4 (1500-1520s). Black bars represent reconfigurations at approximately 400s, 1400s, and 1800s. An occultation event is shown as a long white bar starting at approximately 3200s and ending at 5500s. The x-axis is labeled in seconds (sec) from 0 to 5500.</p>									

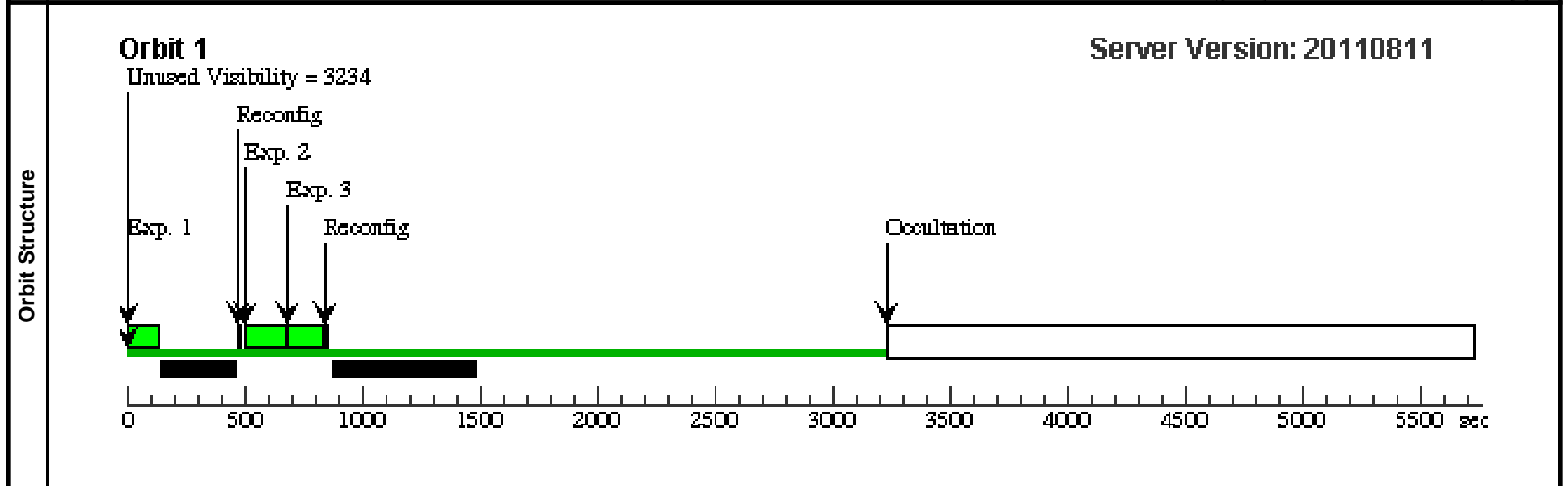
Visit	Proposal 12691, Visit 19								
	Diagnostic Status: No Diagnostics								
	Scientific Instruments: WFC3/UVIS								
	Special Requirements: BETWEEN 01-AUG-2012:00:00:00 AND 01-SEP-2012:00:00:00; GROUP 19.20 WITHIN 1D								

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	0.5	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	CTE=EPER			0.5 Secs	
									[==>]	[1]
	2	9.2	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F390M	CTE=EPER			9.2 Secs	
								[==>]	[1]	
3	22.9	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F390M	CTE=EPER			22.9 Secs		
								[==>]	[1]	



Visit	Proposal 12691, Visit 20 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	(Visit 20) 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/[Actual Dur.]	Orbit
	1	0.5	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	CTE=EPER			0.5 Secs [==>]	[1]
	2	6.4	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F390W	CTE=EPER			6.4 Secs [==>]	[1]
	3	7.6	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F438W	CTE=EPER			7.6 Secs [==>]	[1]
	4	22.7	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F438W	CTE=EPER			22.7 Secs [==>]	[1]
Orbit Structure	<p>Orbit 1 Unused Visibility = 3234</p> <p>Server Version: 20110811</p>									
	<p>The timeline shows a sequence of events over 5500 seconds. Green bars represent exposure durations: Exp. 1 (0-100s), Exp. 2 (500-516.4s), Exp. 3 (600-617.6s), and Exp. 4 (1500-1522.7s). Black bars represent reconfiguration periods. An occultation period begins at approximately 3234 seconds and continues until the end of the orbit at 5500 seconds.</p>									

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	0.5	DARK		WFC3/UVIS, ACCUM, UVIS	DEF	CTE=EPER			0.5 Secs [==>]
2	9.2	TUNGSTEN		WFC3/UVIS, ACCUM, UVIS	F390M	CTE=EPER			9.2 Secs [==>]	[1]
3	22.9	TUNGSTEN		WFC3/UVIS, ACCUM, UVIS	F390M	CTE=EPER			22.9 Secs [==>]	[1]



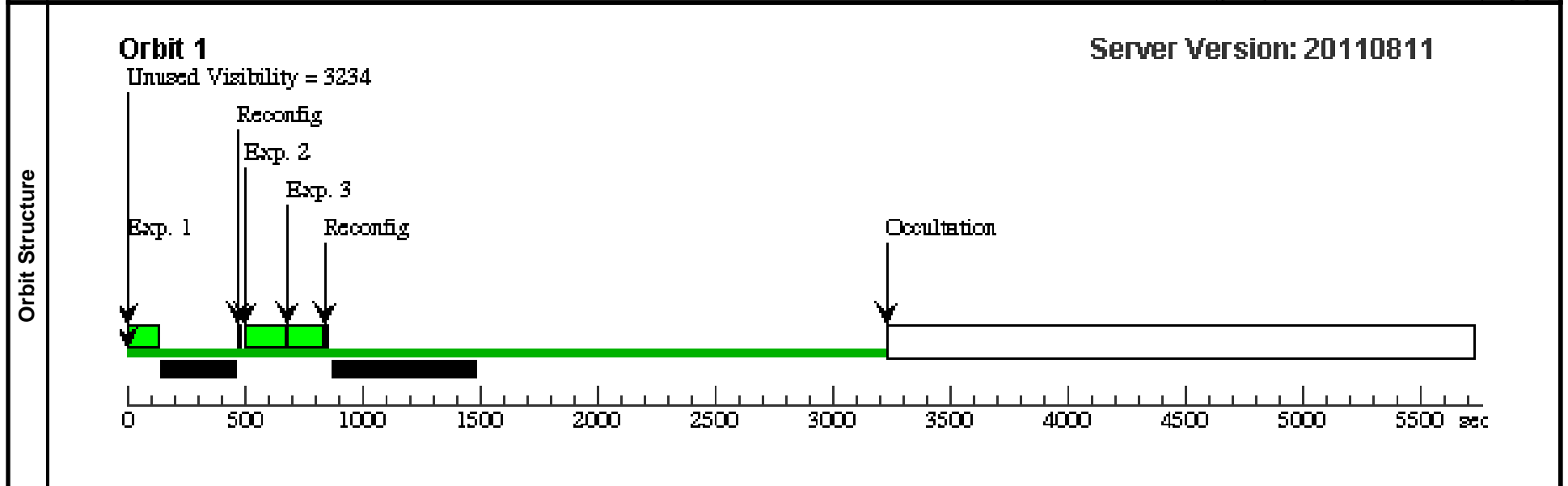
Proposal 12691 - Visit 22 - WFC3/UVIS internal CTE monitor

Tue Aug 30 01:50:40 GMT 2011

Visit	Proposal 12691, Visit 22 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	(Visit 22) 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/[Actual Dur.]	Orbit
	1	0.5	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	CTE=EPER			0.5 Secs [==>]	[1]
	2	6.4	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F390W	CTE=EPER			6.4 Secs [==>]	[1]
	3	7.6	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F438W	CTE=EPER			7.6 Secs [==>]	[1]
	4	22.7	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F438W	CTE=EPER			22.7 Secs [==>]	[1]
Orbit Structure	<p>Orbit 1 Unused Visibility = 3234</p> <p>Server Version: 20110811</p>									
	<p>The timeline shows a sequence of events over 5500 seconds. Green bars represent exposure durations: Exp. 1 (0-100s), Exp. 2 (500-510s), Exp. 3 (600-610s), and Exp. 4 (1500-1520s). Black bars represent reconfigurations at approximately 100s, 500s, 1500s, and 1800s. An occultation period begins at approximately 3200s and continues until the end of the orbit at 5500s. The x-axis is labeled in seconds (sec) from 0 to 5500.</p>									

Visit	Proposal 12691, Visit 23								
	Diagnostic Status: No Diagnostics								
	Scientific Instruments: WFC3/UVIS								
	Special Requirements: BETWEEN 01-OCT-2012:00:00:00 AND 01-NOV-2012:00:00:00; GROUP 23,24 WITHIN 1D								

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	0.5	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	CTE=EPER			0.5 Secs	
									[==>]	[1]
	2	9.2	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F390M	CTE=EPER			9.2 Secs	
								[==>]	[1]	
3	22.9	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F390M	CTE=EPER			22.9 Secs		
								[==>]	[1]	



Proposal 12691 - Visit 24 - WFC3/UVIS internal CTE monitor

Tue Aug 30 01:50:40 GMT 2011

Visit	Proposal 12691, Visit 24 Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	(Visit 24) 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/[Actual Dur.]	Orbit
	1	0.5	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	CTE=EPER			0.5 Secs [==>]	[1]
	2	6.4	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F390W	CTE=EPER			6.4 Secs [==>]	[1]
	3	7.6	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F438W	CTE=EPER			7.6 Secs [==>]	[1]
	4	22.7	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F438W	CTE=EPER			22.7 Secs [==>]	[1]
Orbit Structure	<p>Orbit 1 Unused Visibility = 3234</p> <p>Server Version: 20110811</p>									
	<p>The timeline shows a sequence of events over 5500 seconds. Green bars represent exposure durations: Exp. 1 (0-100s), Exp. 2 (500-516.4s), Exp. 3 (600-617.6s), and Exp. 4 (1500-1522.7s). Black bars represent reconfigurations at approximately 100s, 500s, and 1600s. An occultation event begins at approximately 3234s and continues until the end of the orbit at 5500s. The x-axis is labeled in seconds (sec) from 0 to 5500.</p>									