



14529 - WFC3 UVIS Anneal

Cycle: 24, Proposal Category: CAL/WFC3

(Calibration)

(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>
11	BIAS DARK	WFC3/UVIS	2	07-Sep-2016 17:28:30.0	yes
12	NONE	WFC3	1	07-Sep-2016 17:28:30.0	yes
13	TUNGSTEN	WFC3/UVIS	1	07-Sep-2016 17:28:31.0	yes
14	BIAS DARK	WFC3/UVIS	2	07-Sep-2016 17:28:32.0	yes
21	BIAS DARK	WFC3/UVIS	2	07-Sep-2016 17:28:33.0	yes
22	NONE	WFC3	1	07-Sep-2016 17:28:34.0	yes
23	TUNGSTEN	WFC3/UVIS	1	07-Sep-2016 17:28:35.0	yes
24	BIAS DARK	WFC3/UVIS	2	07-Sep-2016 17:28:36.0	yes

Proposal 14529 (STScI Edit Number: 1, Created: Wednesday, September 7, 2016 4:29:11 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>
31	BIAS DARK	WFC3/UVIS	2	07-Sep-2016 17:28:38.0	yes
32	NONE	WFC3	1	07-Sep-2016 17:28:38.0	yes
33	TUNGSTEN	WFC3/UVIS	1	07-Sep-2016 17:28:38.0	yes
34	BIAS DARK	WFC3/UVIS	2	07-Sep-2016 17:28:39.0	yes
41	BIAS DARK	WFC3/UVIS	2	07-Sep-2016 17:28:40.0	yes
42	NONE	WFC3	1	07-Sep-2016 17:28:41.0	yes
43	TUNGSTEN	WFC3/UVIS	1	07-Sep-2016 17:28:41.0	yes
44	BIAS DARK	WFC3/UVIS	2	07-Sep-2016 17:28:42.0	yes
51	BIAS DARK	WFC3/UVIS	2	07-Sep-2016 17:28:43.0	yes
52	NONE	WFC3	1	07-Sep-2016 17:28:44.0	yes
53	TUNGSTEN	WFC3/UVIS	1	07-Sep-2016 17:28:44.0	yes
54	BIAS DARK	WFC3/UVIS	2	07-Sep-2016 17:28:45.0	yes
61	BIAS DARK	WFC3/UVIS	2	07-Sep-2016 17:28:46.0	yes
62	NONE	WFC3	1	07-Sep-2016 17:28:46.0	yes
63	TUNGSTEN	WFC3/UVIS	1	07-Sep-2016 17:28:47.0	yes
64	BIAS DARK	WFC3/UVIS	2	07-Sep-2016 17:28:48.0	yes
71	BIAS DARK	WFC3/UVIS	2	07-Sep-2016 17:28:49.0	yes
72	NONE	WFC3	1	07-Sep-2016 17:28:49.0	yes
73	TUNGSTEN	WFC3/UVIS	1	07-Sep-2016 17:28:49.0	yes

Proposal 14529 (STScI Edit Number: 1, Created: Wednesday, September 7, 2016 4:29:11 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>
74	BIAS DARK	WFC3/UVIS	2	07-Sep-2016 17:28:50.0	yes
81	BIAS DARK	WFC3/UVIS	2	07-Sep-2016 17:28:51.0	yes
82	NONE	WFC3	1	07-Sep-2016 17:28:52.0	yes
83	TUNGSTEN	WFC3/UVIS	1	07-Sep-2016 17:28:52.0	yes
84	BIAS DARK	WFC3/UVIS	2	07-Sep-2016 17:28:53.0	yes
91	BIAS DARK	WFC3/UVIS	2	07-Sep-2016 17:28:54.0	yes
92	NONE	WFC3	1	07-Sep-2016 17:28:55.0	yes
93	TUNGSTEN	WFC3/UVIS	1	07-Sep-2016 17:28:55.0	yes
94	BIAS DARK	WFC3/UVIS	2	07-Sep-2016 17:28:56.0	yes
A1	BIAS DARK	WFC3/UVIS	2	07-Sep-2016 17:28:57.0	yes
A2	NONE	WFC3	1	07-Sep-2016 17:28:57.0	yes
A3	TUNGSTEN	WFC3/UVIS	1	07-Sep-2016 17:28:58.0	yes
A4	BIAS DARK	WFC3/UVIS	2	07-Sep-2016 17:28:58.0	yes
B1	BIAS DARK	WFC3/UVIS	2	07-Sep-2016 17:29:00.0	yes
B2	NONE	WFC3	1	07-Sep-2016 17:29:00.0	yes
B3	TUNGSTEN	WFC3/UVIS	1	07-Sep-2016 17:29:00.0	yes
B4	BIAS DARK	WFC3/UVIS	2	07-Sep-2016 17:29:01.0	yes
C1	BIAS DARK	WFC3/UVIS	2	07-Sep-2016 17:29:02.0	yes
C2	NONE	WFC3	1	07-Sep-2016 17:29:03.0	yes

Proposal 14529 (STScI Edit Number: 1, Created: Wednesday, September 7, 2016 4:29:11 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>
C3	TUNGSTEN	WFC3/UVIS	1	07-Sep-2016 17:29:03.0	yes
C4	BIAS DARK	WFC3/UVIS	2	07-Sep-2016 17:29:04.0	yes
D1	BIAS DARK	WFC3/UVIS	2	07-Sep-2016 17:29:05.0	yes
D2	NONE	WFC3	1	07-Sep-2016 17:29:06.0	yes
D3	TUNGSTEN	WFC3/UVIS	1	07-Sep-2016 17:29:06.0	yes
D4	BIAS DARK	WFC3/UVIS	2	07-Sep-2016 17:29:07.0	yes
H1	BIAS DARK	WFC3/UVIS	2	07-Sep-2016 17:29:08.0	yes
H2	NONE	WFC3	1	07-Sep-2016 17:29:08.0	yes
H3	TUNGSTEN	WFC3/UVIS	1	07-Sep-2016 17:29:09.0	yes
H4	BIAS DARK	WFC3/UVIS	2	07-Sep-2016 17:29:10.0	yes
H5	DARK	WFC3/IR	1	07-Sep-2016 17:29:10.0	yes

85 Total Orbits Used

ABSTRACT

This proposal performs the anneals required for Cycle 24. Hot pixels are continuously generated in WFC3/UVIS as a result of the radiation environment of HST. An anneal procedure, where the UVIS detectors are warmed to ~20C, can restore a large fraction of these hot pixels to normal levels. During the warm-up, the 2-stage TEC (thermo-electric cooler) is turned off and the 4-stage TEC is ramped to zero current and run in heater mode to warm the CCDs. After cooldown, the first visit to be executed is the bowtie visit (three UVIS internal flatfields), designed to prevent hysteresis. Internal UVIS darks and biases are taken before and after each anneal to allow an assessment of the efficacy of the procedure via hot pixel counts as well as readnoise, bias, and global dark current levels. The exposures are also used to generate the required reference files for the calibration pipeline.

OBSERVING DESCRIPTION

The WFC3/UVIS hot pixel population is reasonably well-controlled by once-a-month anneal procedures, a cadence that also interlaces well with the scheduling of major activities for other HST instruments. Unbinned biases and darks allow for monitoring of bias level, read noise, global dark current, and the hot pixel population. Post-flash is used with all the darks and half the biases to reduce the effects of CTE losses; the unflashed biases provide readnoise measurements for a direct comparison to historical unflashed values. The bowtie visit consists of three internal flatfields and as the first visit after each anneal, provides mitigation of any hysteresis as well as confirmation of the clean state of the detector. A SEQ-WITHIN requirement is used to guarantee that all internal visits from a given anneal iteration execute in the desired order.

During the recent previous cycles, the WFC3 anneal procedures have been done keeping the IR detector cold (IRTEMP=COLD). In Cycle 24, one ON-HOLD iteration is included in the event it should be required. The IRTEMP=WARM would perform the anneal using the original procedure commanding which includes a partial warming of the IR detector; in this case, one post-anneal IR dark is required to assess the post-anneal IR detector state. The on-hold IR-warm anneal and accompanying internal exposures are in visits H-H5; this set of visits would be used instead of one of the standard IR-cold anneal iterations (visits 11-14, 21-24,.. or D1-D4).

The post-anneal internals must be taken before any WFC3 science image are acquired and if possible, no WFC3 science imaging should be done between the pre-anneal visits and the anneal.

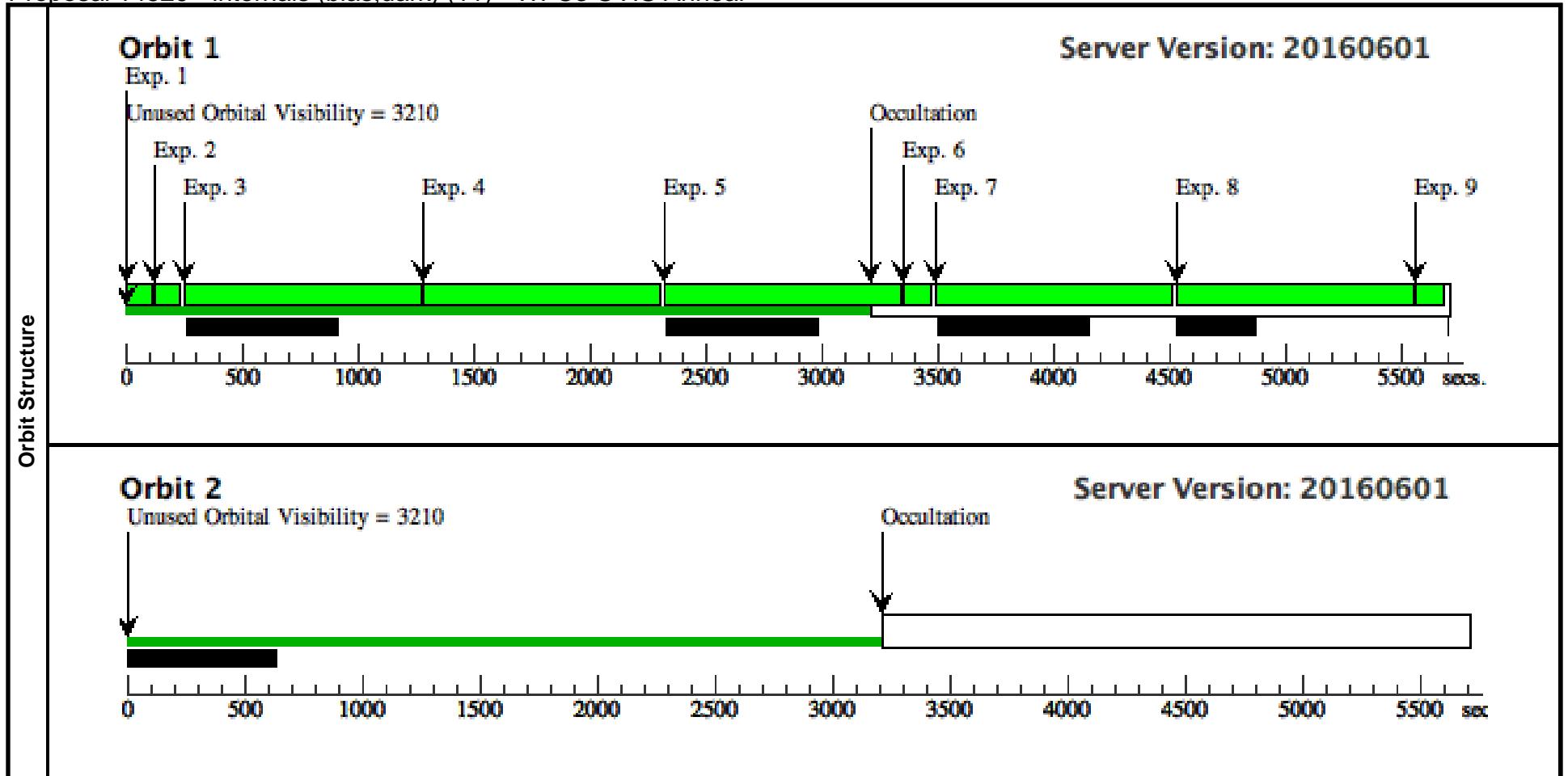
----- Calibration Justification -----

The internal exposures are required to assess hot pixel changes, as well as readnoise and dark current levels. The results will be compared to prior levels and reported on a routine basis. The post-anneal bowtie visit serves as a hysteresis check and neutralizer; the results are monitored in conjunction with the standard bowtie monitor exposures (proposal 14530 in Cycle 24). Bias and darks will be used along with those from other internal proposals (e.g., 14531, -32, -33) to generate the calibration pipeline superbias and superdark reference files.

Proposal 14529 - internals (bias,dark) (11) - WFC3 UVIS Anneal

Wed Sep 07 21:29:11 GMT 2016

Visit	Proposal 14529, internals (bias,dark) (11), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 28-NOV-2016:00:00:00 AND 04-DEC-2016:23:59:59; SEQ 11,12,13,14 WITHIN 72.0 H <i>Comments: No WFC3 UVIS science should be scheduled between visits; strongly prefer to have the visits scheduled back-to-back.</i>									
	Diagnosics (internals (bias,dark) (11)) 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	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF				0.0 Secs (0 Secs) [==>]	[1]
	2	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF				0.0 Secs (0 Secs) [==>]	[1]
	3	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			900.0 Secs (900 Secs) [==>]	[1]
	4	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			900.0 Secs (900 Secs) [==>]	[1]
	5	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			900.0 Secs (900 Secs) [==>]	[1]
	6	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			0.5 Secs (0.5 Secs) [==>]	[1]
	7	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			900.0 Secs (900 Secs) [==>]	[1]
	8	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			900.0 Secs (900 Secs) [==>]	[1]
	9	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			0.5 Secs (0.5 Secs) [==>]	[1]



Proposal 14529 - Nov 2016 anneal procedure (12) - WFC3 UVIS Anneal

Wed Sep 07 21:29:11 GMT 2016

Visit	Proposal 14529, Nov 2016 anneal procedure (12), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3 Special Requirements: (none) <i>Comments: Using minimum default value + 1sec.</i>									
	Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]
1		Anneal	NONE	WFC3, ANNEAL		IRTEMP=COLD			0 Secs (0 Secs) [==>]	[1]
Orbit Structure	<p>Orbit 1 Server Version: 20160601</p> <p>Exp. 1</p> <p>Unused Orbital Visibility = 3210</p> <p>Occultation</p> <p>0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 sec</p>									

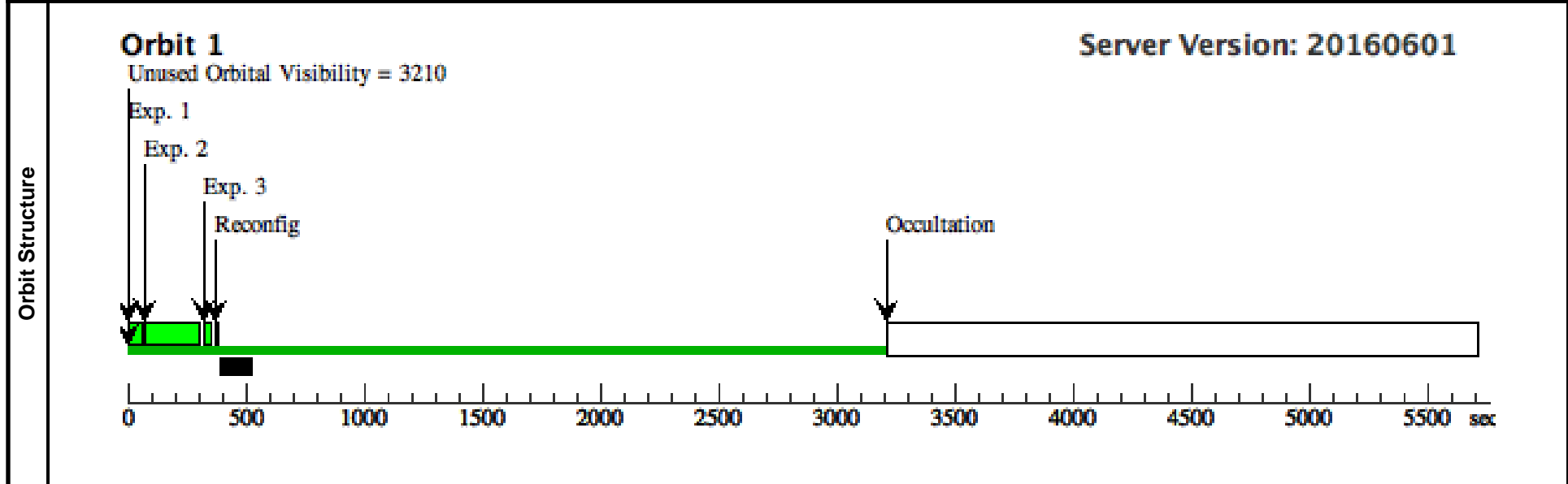
Proposal 14529 - bowtie check/fix (13) - WFC3 UVIS Anneal

Wed Sep 07 21:29:11 GMT 2016

Visit	<p>Proposal 14529, bowtie check/fix (13), implementation</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: (none)</p>
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Diagnostics	<p>(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</p> <p>(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</p> <p>(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</p>
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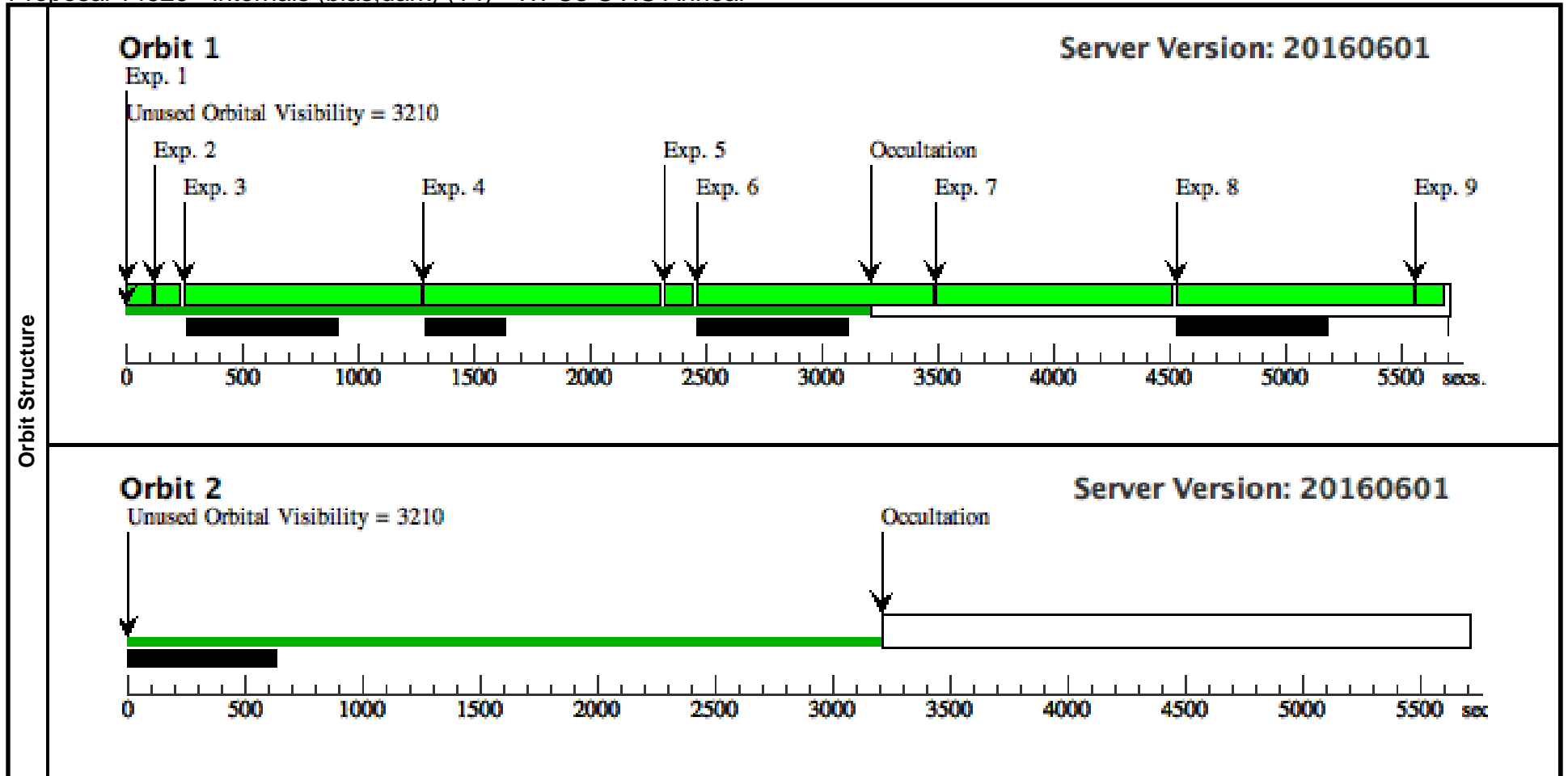
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	initial check	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F475X	BIN=3		Sequence 1-3 Non-Int in bowtie check/fix (13)	1.0 Secs (1 Secs) [==>]	[1]	
2	neutralizer	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F475X	BIN=3		Sequence 1-3 Non-Int in bowtie check/fix (13)	200.0 Secs (200 Secs) [==>]	[1]	
3	final check	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F475X	BIN=3		Sequence 1-3 Non-Int in bowtie check/fix (13)	1.0 Secs (1 Secs) [==>]	[1]	



Proposal 14529 - internals (bias,dark) (14) - WFC3 UVIS Anneal

Wed Sep 07 21:29:11 GMT 2016

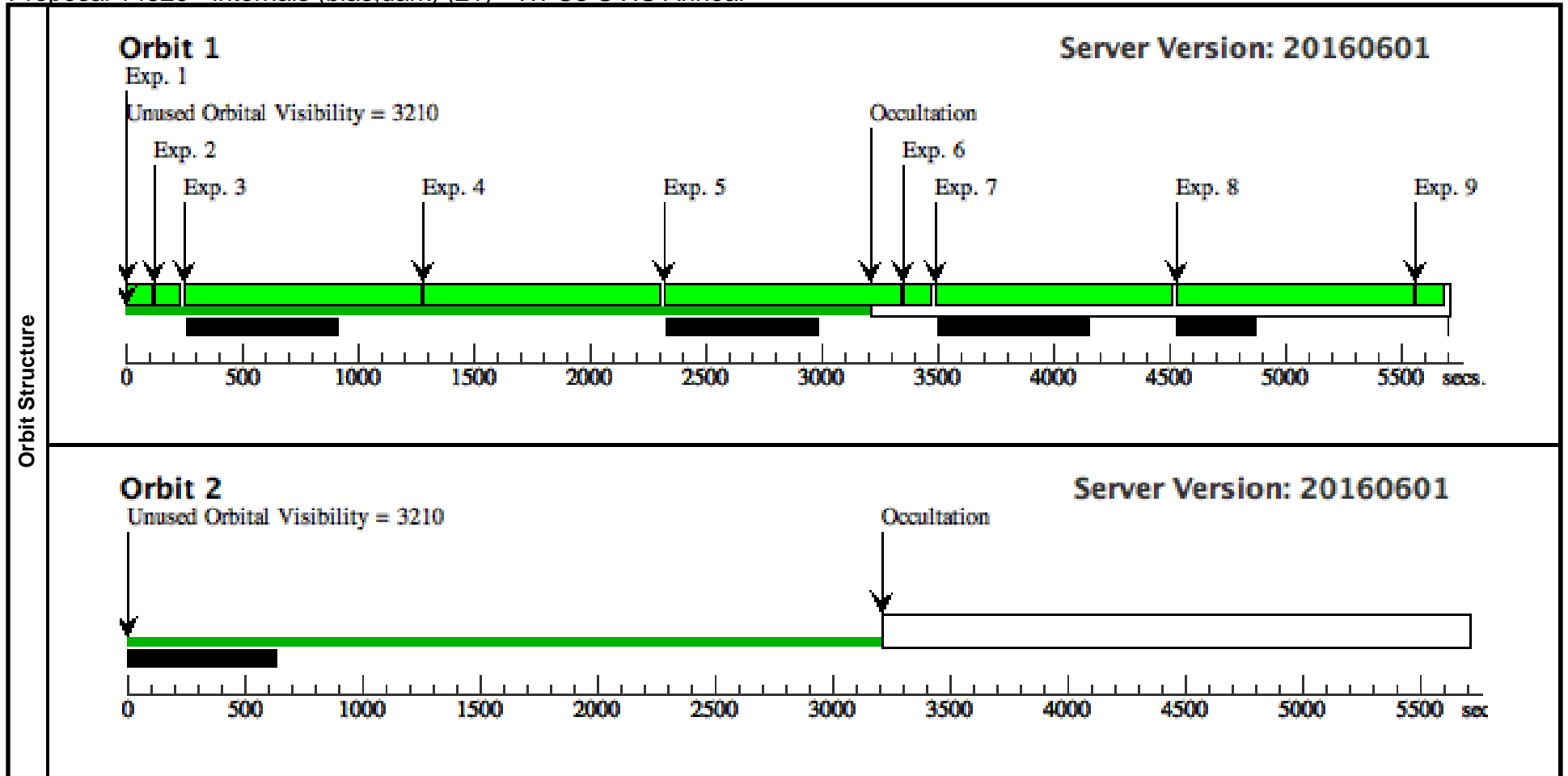
Visit	Proposal 14529, internals (bias,dark) (14), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)										
	Diagnostics	(internals (bias,dark) (14)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU									
Exposures		#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF					0.0 Secs (0 Secs)	
										[==>]	[1]
	2	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF					0.0 Secs (0 Secs)	
										[==>]	[1]
	3	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)	
										[==>]	[1]
	4	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)	
										[==>]	[1]
	5	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				0.5 Secs (0.5 Secs)	
									[==>]	[1]	
6	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)		
									[==>]	[1]	
7	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)		
									[==>]	[1]	
8	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)		
									[==>]	[1]	
9	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				0.5 Secs (0.5 Secs)		
									[==>]	[1]	



Proposal 14529 - internals (bias,dark) (21) - WFC3 UVIS Anneal

Wed Sep 07 21:29:11 GMT 2016

Visit	Proposal 14529, internals (bias,dark) (21), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 26-DEC-2016:00:00:00 AND 01-JAN-2017:23:59:59; SEQ 21,22,23,24 WITHIN 72 H <i>Comments: No WFC3 UVIS science should be scheduled between visits; strongly prefer to have the visits scheduled back-to-back.</i>										
	Diagnostics	(internals (bias,dark) (21)) 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	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF					0.0 Secs (0 Secs)	
										[==>]	[1]
	2	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF					0.0 Secs (0 Secs)	
										[==>]	[1]
	3	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)	
										[==>]	[1]
	4	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)	
										[==>]	[1]
	5	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)	
									[==>]	[1]	
6	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				0.5 Secs (0.5 Secs)		
									[==>]	[1]	
7	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)		
									[==>]	[1]	
8	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)		
									[==>]	[1]	
9	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				0.5 Secs (0.5 Secs)		
									[==>]	[1]	



Visit	Proposal 14529, Dec 2016 anneal procedure (22), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3 Special Requirements: (none) Comments: Using minimum default value + 1sec.									
	Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]
1		Anneal	NONE	WFC3, ANNEAL		IRTEMP=COLD			0 Secs (0 Secs) [==>]	[1]
Orbit Structure	<p>Orbit 1 Server Version: 20160601 Unused Orbital Visibility = 3210</p> <p>The diagram shows a horizontal axis representing time in seconds, from 0 to 5500. A green bar starts at 0 and ends at approximately 3200 seconds, labeled 'Exp. 1'. A white bar starts at approximately 3200 seconds and ends at approximately 5500 seconds, labeled 'Occultation'. Two arrows point to the start of the green bar at 0 seconds.</p>									

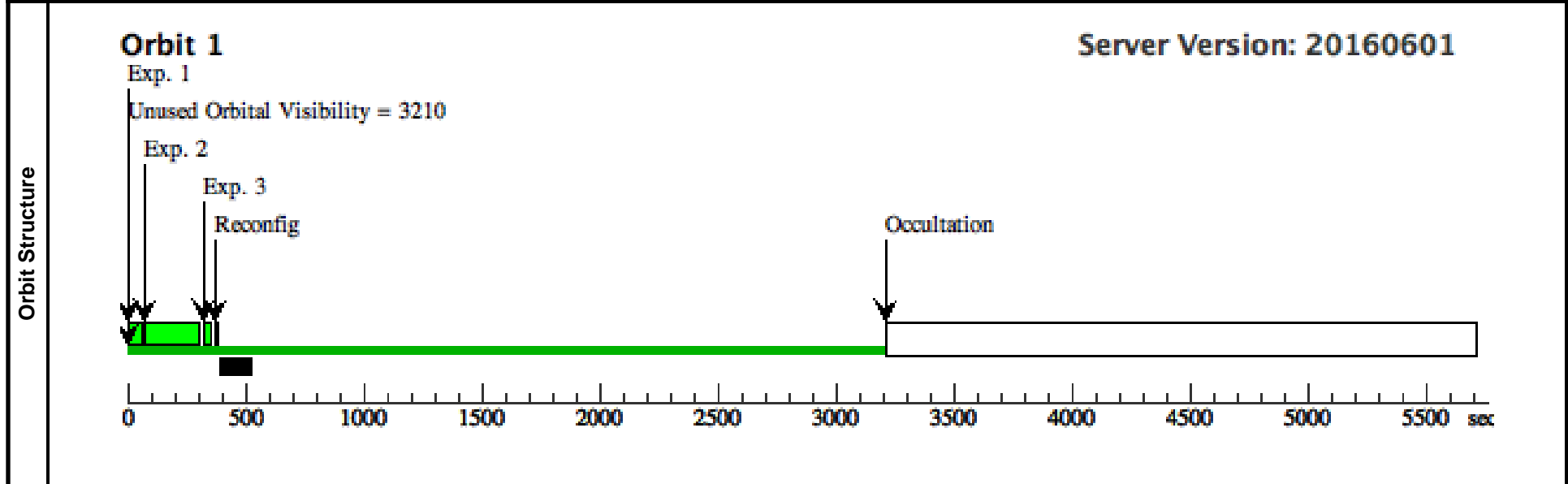
Proposal 14529 - bowtie check/fix (23) - WFC3 UVIS Anneal

Wed Sep 07 21:29:12 GMT 2016

Visit	<p>Proposal 14529, bowtie check/fix (23), implementation</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: (none)</p>
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Diagnostics	<p>(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</p> <p>(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</p> <p>(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</p>
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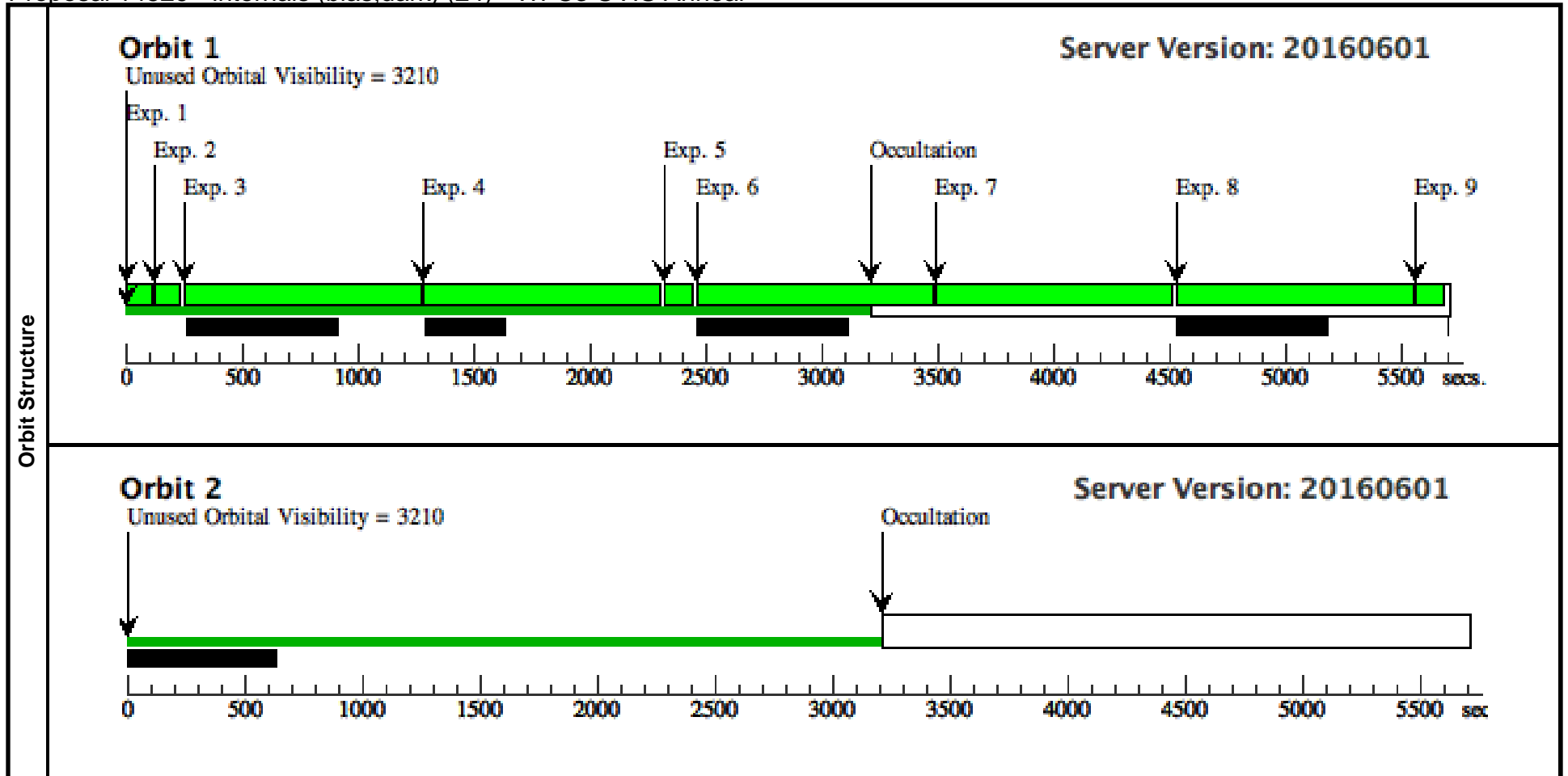
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	initial check	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F475X	BIN=3		Sequence 1-3 Non-Int in bowtie check/fix (23)	1.0 Secs (1 Secs) [==>]	[1]
	2	neutralizer	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F475X	BIN=3		Sequence 1-3 Non-Int in bowtie check/fix (23)	200.0 Secs (200 Secs) [==>]	[1]
	3	final check	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F475X	BIN=3		Sequence 1-3 Non-Int in bowtie check/fix (23)	1.0 Secs (1 Secs) [==>]	[1]



Proposal 14529 - internals (bias,dark) (24) - WFC3 UVIS Anneal

Wed Sep 07 21:29:12 GMT 2016

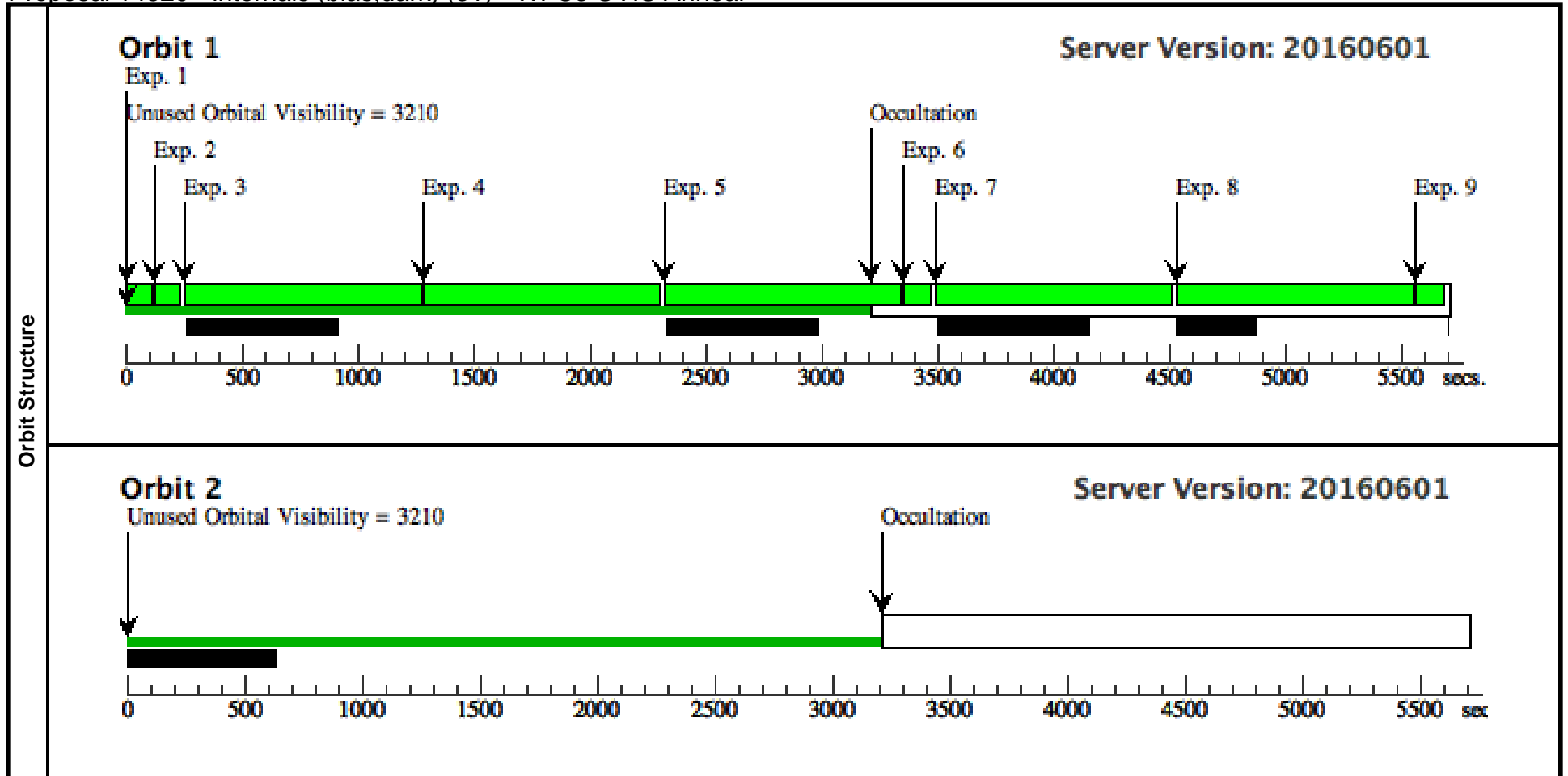
Visit	Proposal 14529, internals (bias,dark) (24), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)										
	Diagnostics	(internals (bias,dark) (24)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU									
Exposures		#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF					0.0 Secs (0 Secs)	
										[==>]	[1]
	2	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF					0.0 Secs (0 Secs)	
										[==>]	[1]
	3	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)	
										[==>]	[1]
	4	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)	
										[==>]	[1]
	5	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				0.5 Secs (0.5 Secs)	
									[==>]	[1]	
6	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)		
									[==>]	[1]	
7	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)		
									[==>]	[1]	
8	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)		
									[==>]	[1]	
9	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				0.5 Secs (0.5 Secs)		
									[==>]	[1]	



Proposal 14529 - internals (bias,dark) (31) - WFC3 UVIS Anneal

Wed Sep 07 21:29:12 GMT 2016

Visit	Proposal 14529, internals (bias,dark) (31), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 23-JAN-2017:00:00:00 AND 29-JAN-2017:23:59:59; SEQ 31,32,33,34 WITHIN 72.0 H <i>Comments: No WFC3 UVIS science should be scheduled between visits; strongly prefer to have the visits scheduled back-to-back.</i>										
	Diagnostics	(internals (bias,dark) (31)) 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	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF					0.0 Secs (0 Secs) [==>]	[1]
	2	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF				0.0 Secs (0 Secs) [==>]	[1]	
	3	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			900.0 Secs (900 Secs) [==>]	[1]	
	4	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			900.0 Secs (900 Secs) [==>]	[1]	
	5	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			900.0 Secs (900 Secs) [==>]	[1]	
	6	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			0.5 Secs (0.5 Secs) [==>]	[1]	
	7	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			900.0 Secs (900 Secs) [==>]	[1]	
	8	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			900.0 Secs (900 Secs) [==>]	[1]	
	9	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			0.5 Secs (0.5 Secs) [==>]	[1]	



Visit	Proposal 14529, Jan 2017 anneal procedure (32), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3 Special Requirements: (none) <i>Comments: Using minimum default value + 1sec.</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Anneal	NONE	WFC3, ANNEAL		IRTEMP=COLD			0 Secs (0 Secs) [==>]	[1]
Orbit Structure	<p>Orbit 1 Server Version: 20160601</p> <p>Exp. 1</p> <p>Unused Orbital Visibility = 3210</p> <p>Occultation</p> <p>0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 sec</p>									

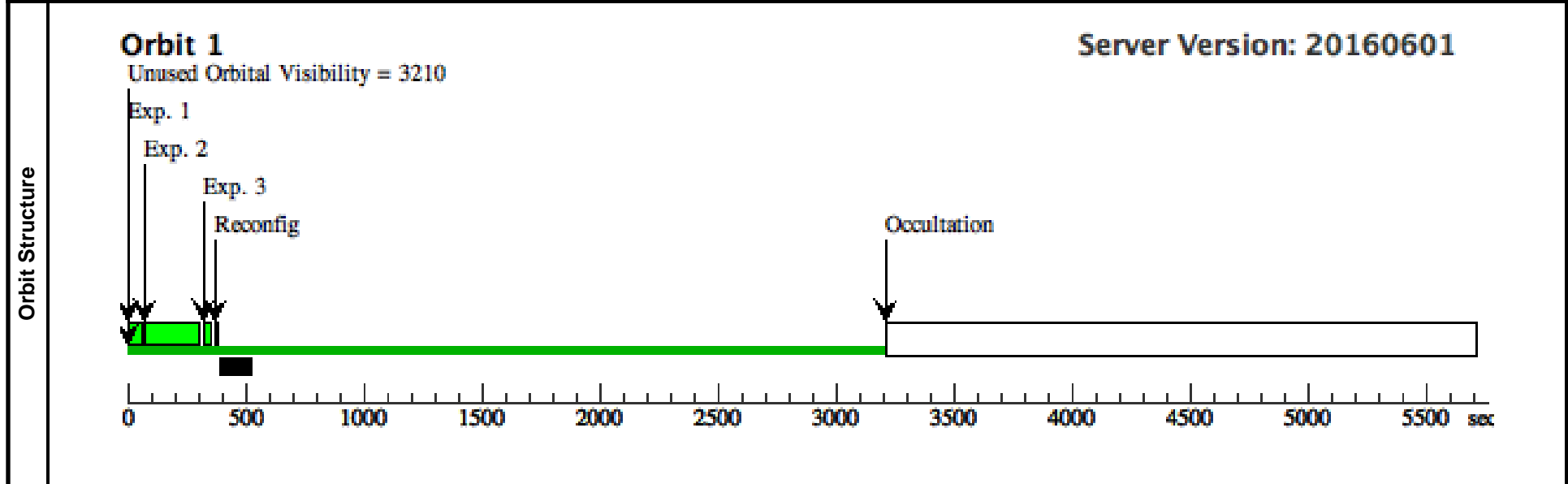
Proposal 14529 - bowtie check/fix (33) - WFC3 UVIS Anneal

Wed Sep 07 21:29:12 GMT 2016

Visit	<p>Proposal 14529, bowtie check/fix (33), implementation</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: (none)</p>
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Diagnostics	<p>(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</p> <p>(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</p> <p>(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</p>
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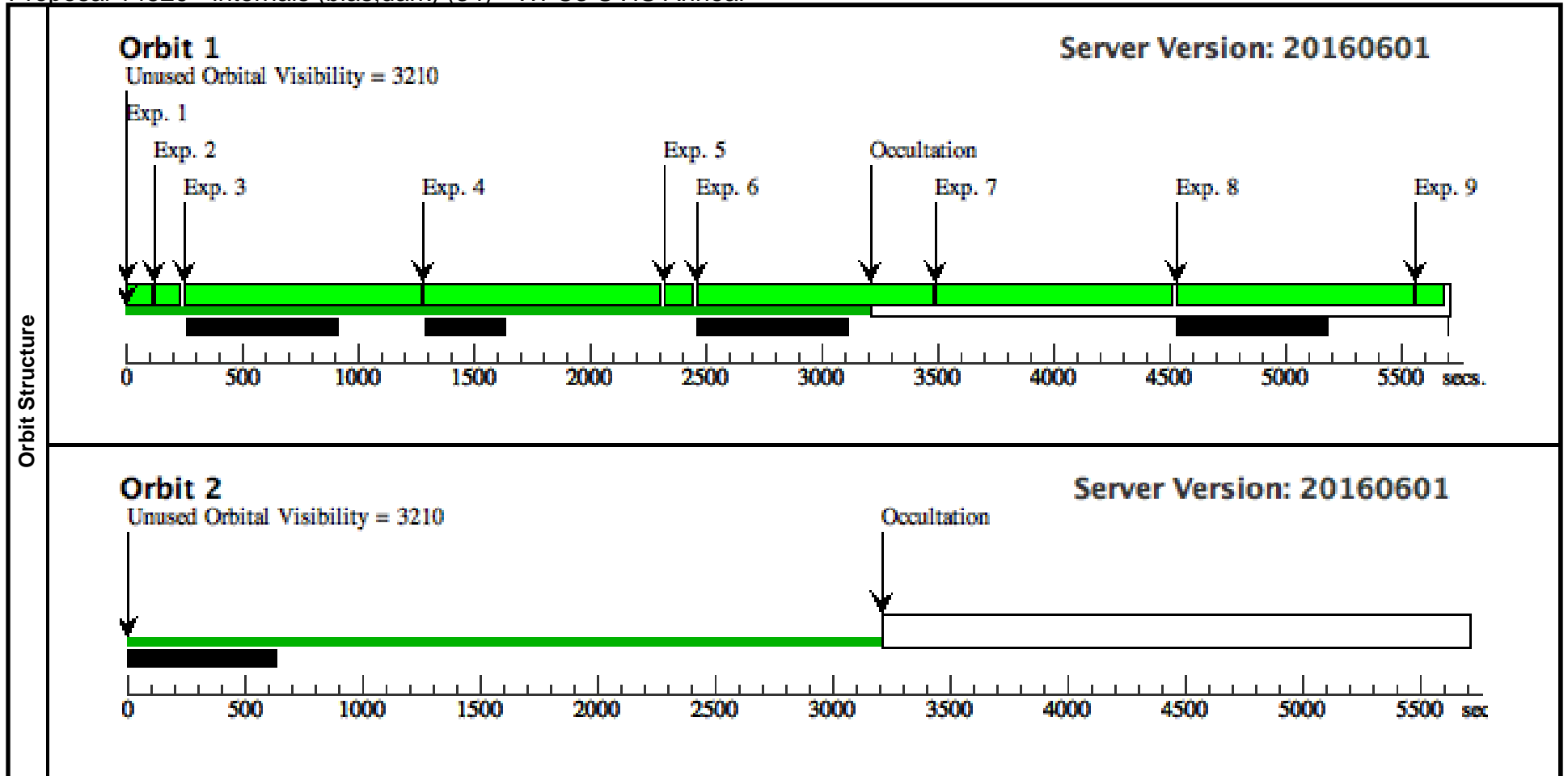
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	initial check	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F475X	BIN=3		Sequence 1-3 Non-Int in bowtie check/fix (33)	1.0 Secs (1 Secs) [==>]	[1]	
2	neutralizer	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F475X	BIN=3		Sequence 1-3 Non-Int in bowtie check/fix (33)	200.0 Secs (200 Secs) [==>]	[1]	
3	final check	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F475X	BIN=3		Sequence 1-3 Non-Int in bowtie check/fix (33)	1.0 Secs (1 Secs) [==>]	[1]	



Proposal 14529 - internals (bias,dark) (34) - WFC3 UVIS Anneal

Wed Sep 07 21:29:12 GMT 2016

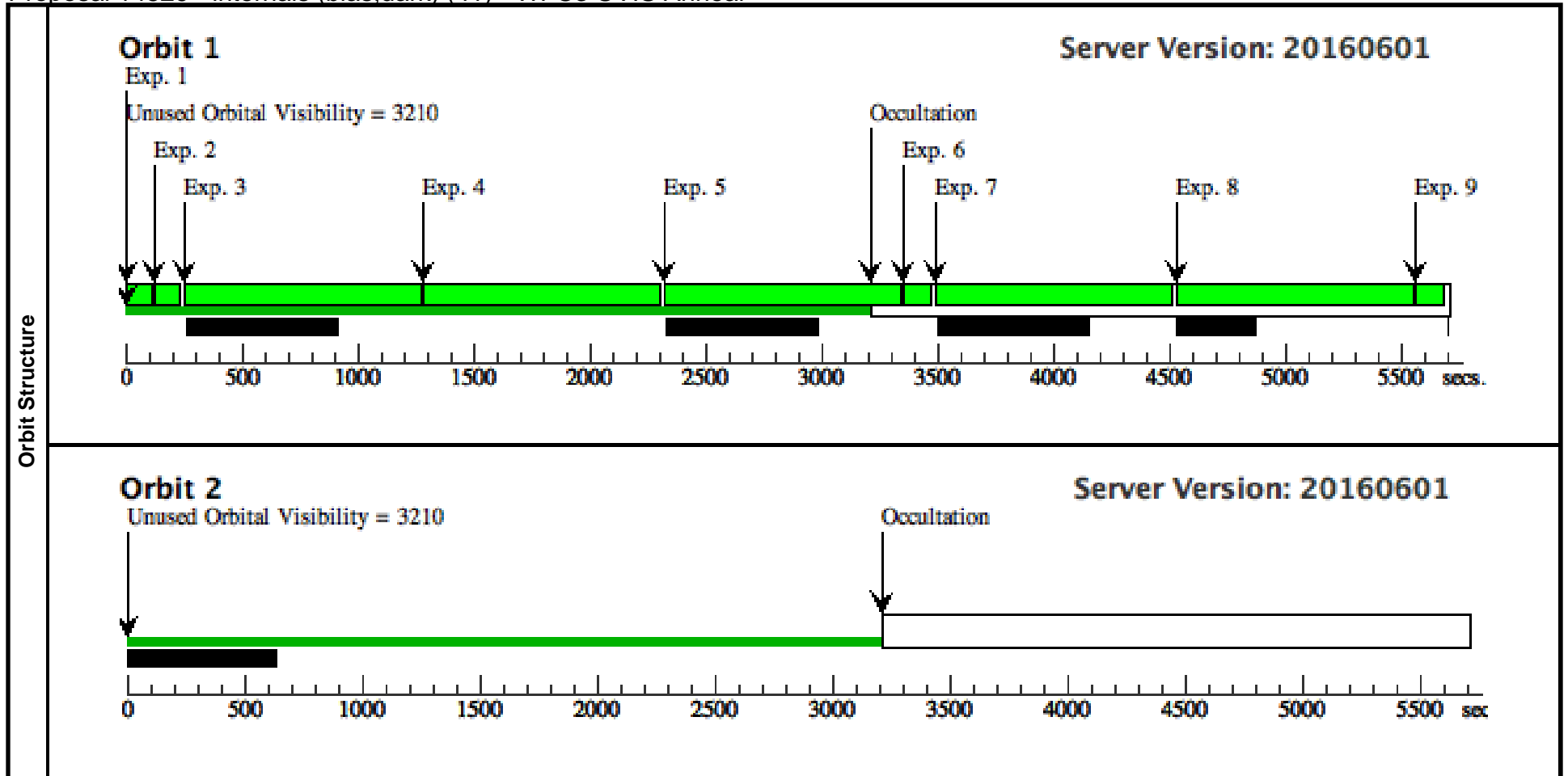
Visit	Proposal 14529, internals (bias,dark) (34), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)										
	Diagnostics	(internals (bias,dark) (34)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU									
Exposures		#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF					0.0 Secs (0 Secs)	
										[==>]	[1]
	2	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF					0.0 Secs (0 Secs)	
										[==>]	[1]
	3	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)	
										[==>]	[1]
	4	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)	
										[==>]	[1]
	5	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				0.5 Secs (0.5 Secs)	
									[==>]	[1]	
6	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)		
									[==>]	[1]	
7	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)		
									[==>]	[1]	
8	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)		
									[==>]	[1]	
9	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				0.5 Secs (0.5 Secs)		
									[==>]	[1]	



Proposal 14529 - internals (bias,dark) (41) - WFC3 UVIS Anneal

Wed Sep 07 21:29:12 GMT 2016

Visit	Proposal 14529, internals (bias,dark) (41), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 20-FEB-2017:00:00:00 AND 26-FEB-2017:23:59:59; SEQ 41,42,43,44 WITHIN 72.0 H <i>Comments: No WFC3 UVIS science should be scheduled between visits; strongly prefer to have the visits scheduled back-to-back.</i>										
	Diagnostics	(internals (bias,dark) (41)) 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	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF					0.0 Secs (0 Secs) [==>]	[1]
	2	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF				0.0 Secs (0 Secs) [==>]	[1]	
	3	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			900.0 Secs (900 Secs) [==>]	[1]	
	4	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			900.0 Secs (900 Secs) [==>]	[1]	
	5	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			900.0 Secs (900 Secs) [==>]	[1]	
	6	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			0.5 Secs (0.5 Secs) [==>]	[1]	
	7	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			900.0 Secs (900 Secs) [==>]	[1]	
	8	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			900.0 Secs (900 Secs) [==>]	[1]	
	9	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			0.5 Secs (0.5 Secs) [==>]	[1]	

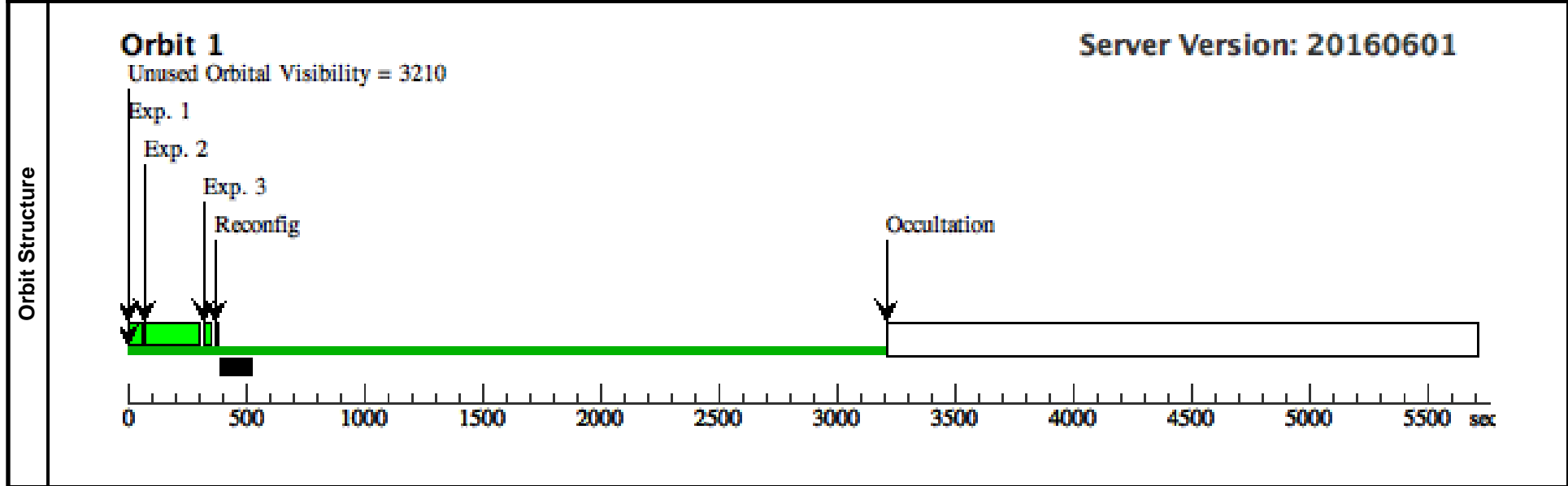


Visit	Proposal 14529, Feb 2017 anneal procedure (42), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3 Special Requirements: (none) Comments: Using minimum default value + 1sec.									
	Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]
1		Anneal	NONE	WFC3, ANNEAL		IRTEMP=COLD			0 Secs (0 Secs) [==>]	[1]
Orbit Structure	<p>Orbit 1 Server Version: 20160601 Unused Orbital Visibility = 3210</p> <p>The diagram shows a horizontal timeline from 0 to 5500 seconds. A green bar representing exposure starts at 0 and ends at approximately 3200 seconds. A white bar representing occultation starts at approximately 3200 seconds and ends at approximately 5500 seconds. Arrows point to the start of the green bar (labeled 'Exp. 1') and the start of the white bar (labeled 'Occultation').</p>									

Visit	<p>Proposal 14529, bowtie check/fix (43), implementation</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: (none)</p>
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Diagnostics	<p>(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</p> <p>(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</p> <p>(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</p>
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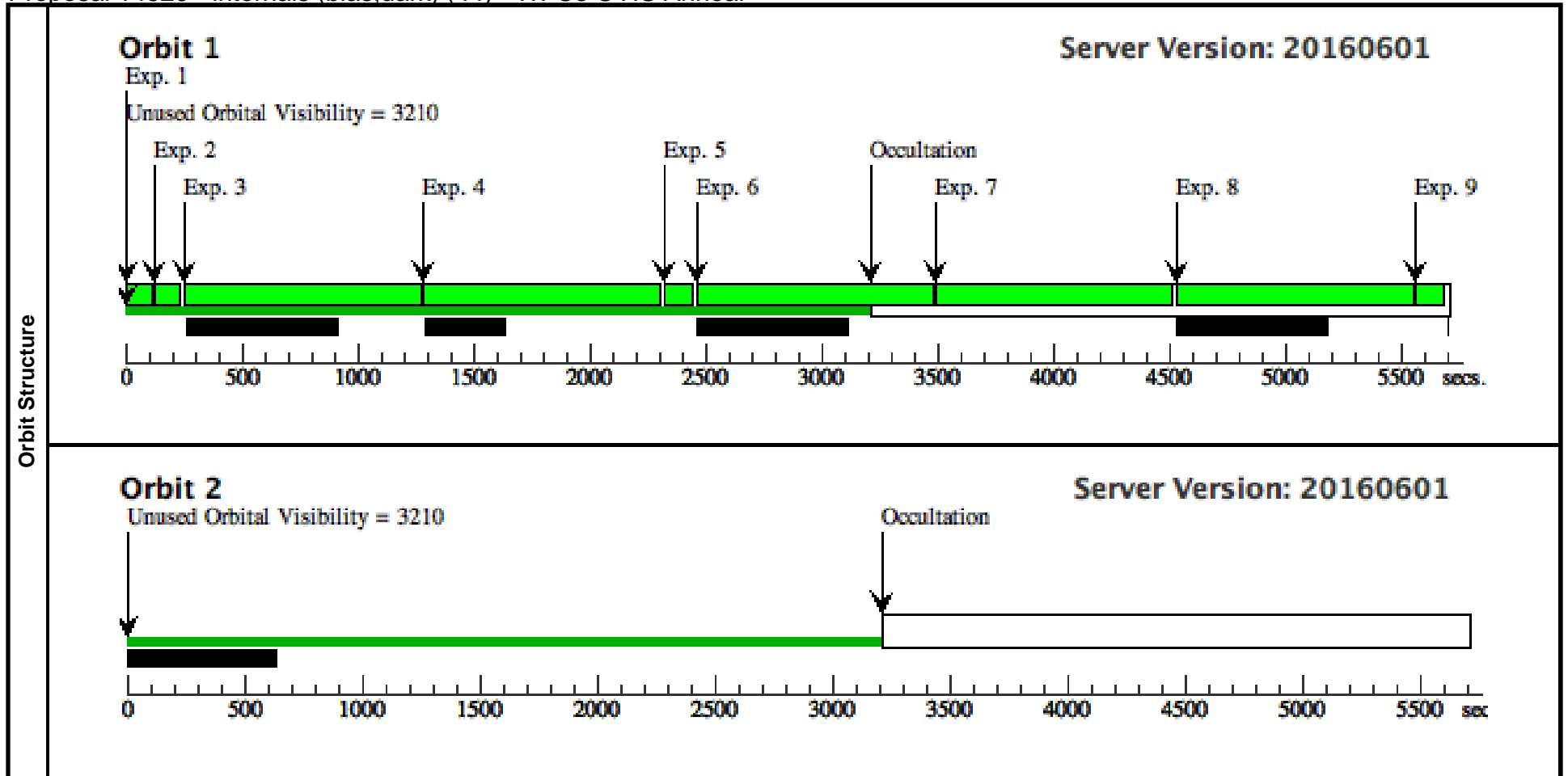
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	initial check	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F475X	BIN=3		Sequence 1-3 Non-Int in bowtie check/fix (43)	1.0 Secs (1 Secs) [==>]	[1]	
2	neutralizer	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F475X	BIN=3		Sequence 1-3 Non-Int in bowtie check/fix (43)	200.0 Secs (200 Secs) [==>]	[1]	
3	final check	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F475X	BIN=3		Sequence 1-3 Non-Int in bowtie check/fix (43)	1.0 Secs (1 Secs) [==>]	[1]	



Proposal 14529 - internals (bias,dark) (44) - WFC3 UVIS Anneal

Wed Sep 07 21:29:12 GMT 2016

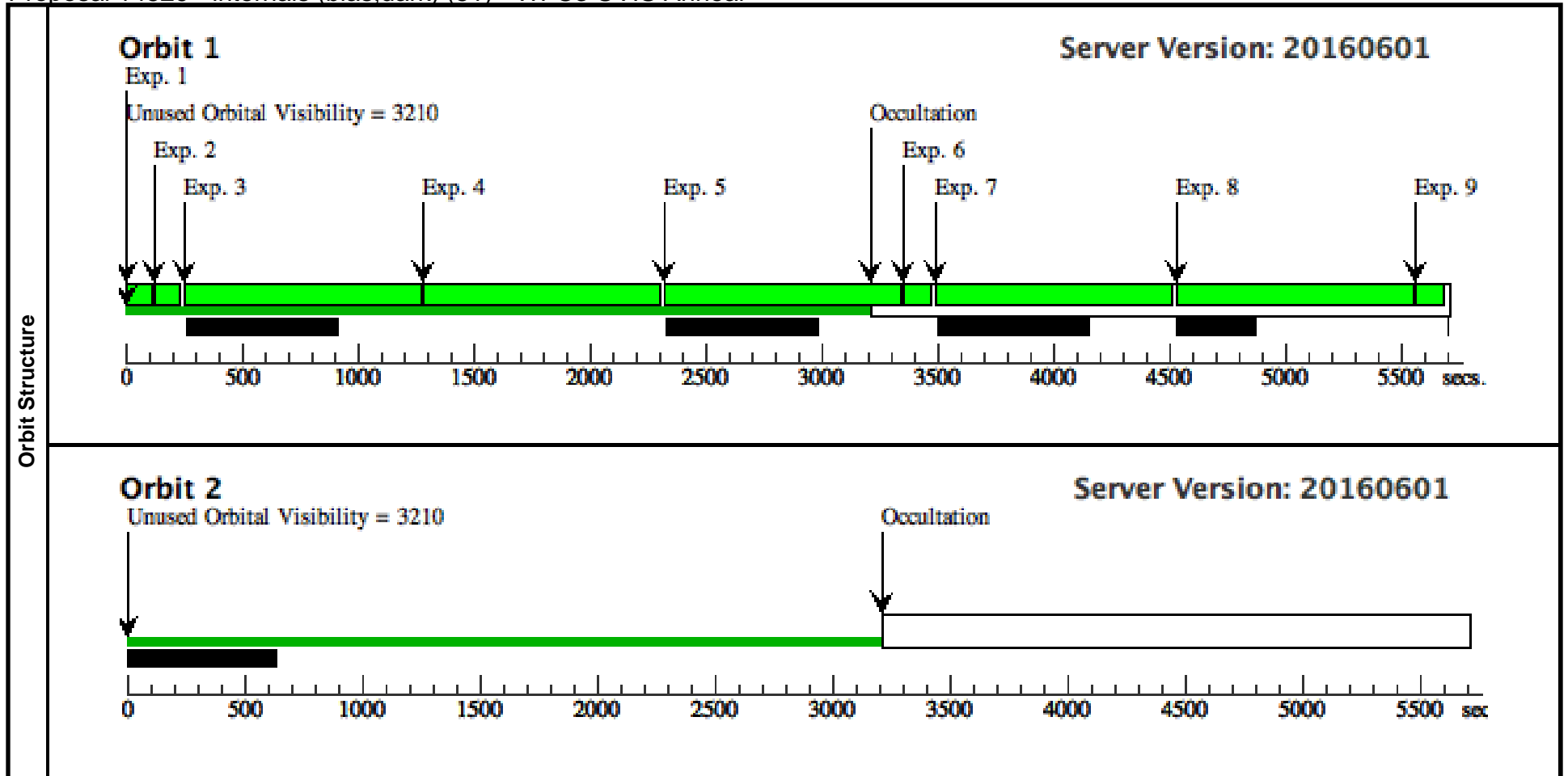
Visit	Proposal 14529, internals (bias,dark) (44), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)										
	Diagnostics	(internals (bias,dark) (44)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU									
Exposures		#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF					0.0 Secs (0 Secs)	
										[==>]	[1]
	2	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF					0.0 Secs (0 Secs)	
										[==>]	[1]
	3	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)	
										[==>]	[1]
	4	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)	
										[==>]	[1]
	5	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				0.5 Secs (0.5 Secs)	
									[==>]	[1]	
6	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)		
									[==>]	[1]	
7	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)		
									[==>]	[1]	
8	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)		
									[==>]	[1]	
9	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				0.5 Secs (0.5 Secs)		
									[==>]	[1]	



Proposal 14529 - internals (bias,dark) (51) - WFC3 UVIS Anneal

Wed Sep 07 21:29:12 GMT 2016

Visit	Proposal 14529, internals (bias,dark) (51), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 20-MAR-2017:00:00:00 AND 26-MAR-2017:23:59:59; SEQ 51,52,53,54 WITHIN 72.0 H <i>Comments: No WFC3 UVIS science should be scheduled between visits; strongly prefer to have the visits scheduled back-to-back.</i>									
	Diagnosics (internals (bias,dark) (51)) 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	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF				0.0 Secs (0 Secs) [==>]	[1]
	2	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF				0.0 Secs (0 Secs) [==>]	[1]
	3	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			900.0 Secs (900 Secs) [==>]	[1]
	4	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			900.0 Secs (900 Secs) [==>]	[1]
	5	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			900.0 Secs (900 Secs) [==>]	[1]
	6	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			0.5 Secs (0.5 Secs) [==>]	[1]
	7	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			900.0 Secs (900 Secs) [==>]	[1]
	8	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			900.0 Secs (900 Secs) [==>]	[1]
	9	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			0.5 Secs (0.5 Secs) [==>]	[1]



Visit	Proposal 14529, Mar 2017 anneal procedure (52), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3 Special Requirements: (none) Comments: Using minimum default value + 1sec.									
	Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]
1		Anneal	NONE	WFC3, ANNEAL		IRTEMP=COLD			0 Secs (0 Secs) [==>]	[1]
Orbit Structure	<p>Orbit 1 Server Version: 20160601</p> <p>Exp. 1</p> <p>Unused Orbital Visibility = 3210</p> <p>Occultation</p> <p>0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 sec</p>									

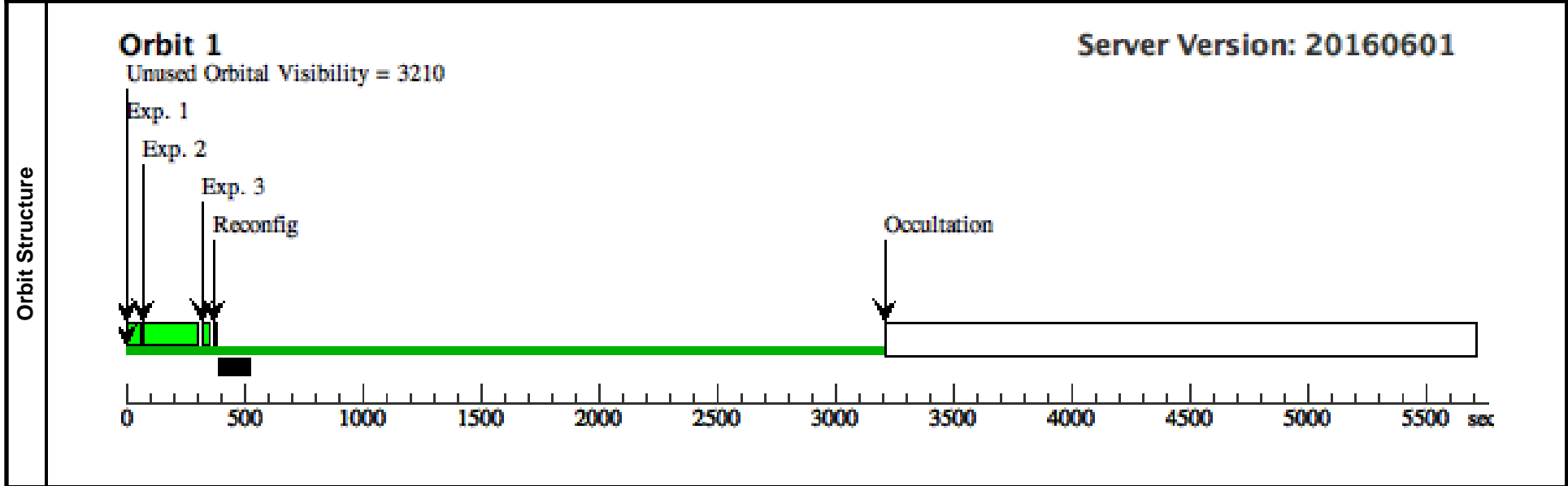
Proposal 14529 - bowtie check/fix (53) - WFC3 UVIS Anneal

Wed Sep 07 21:29:12 GMT 2016

Visit	<p>Proposal 14529, bowtie check/fix (53), implementation</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: (none)</p>
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Diagnostics	<p>(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</p> <p>(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</p> <p>(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</p>
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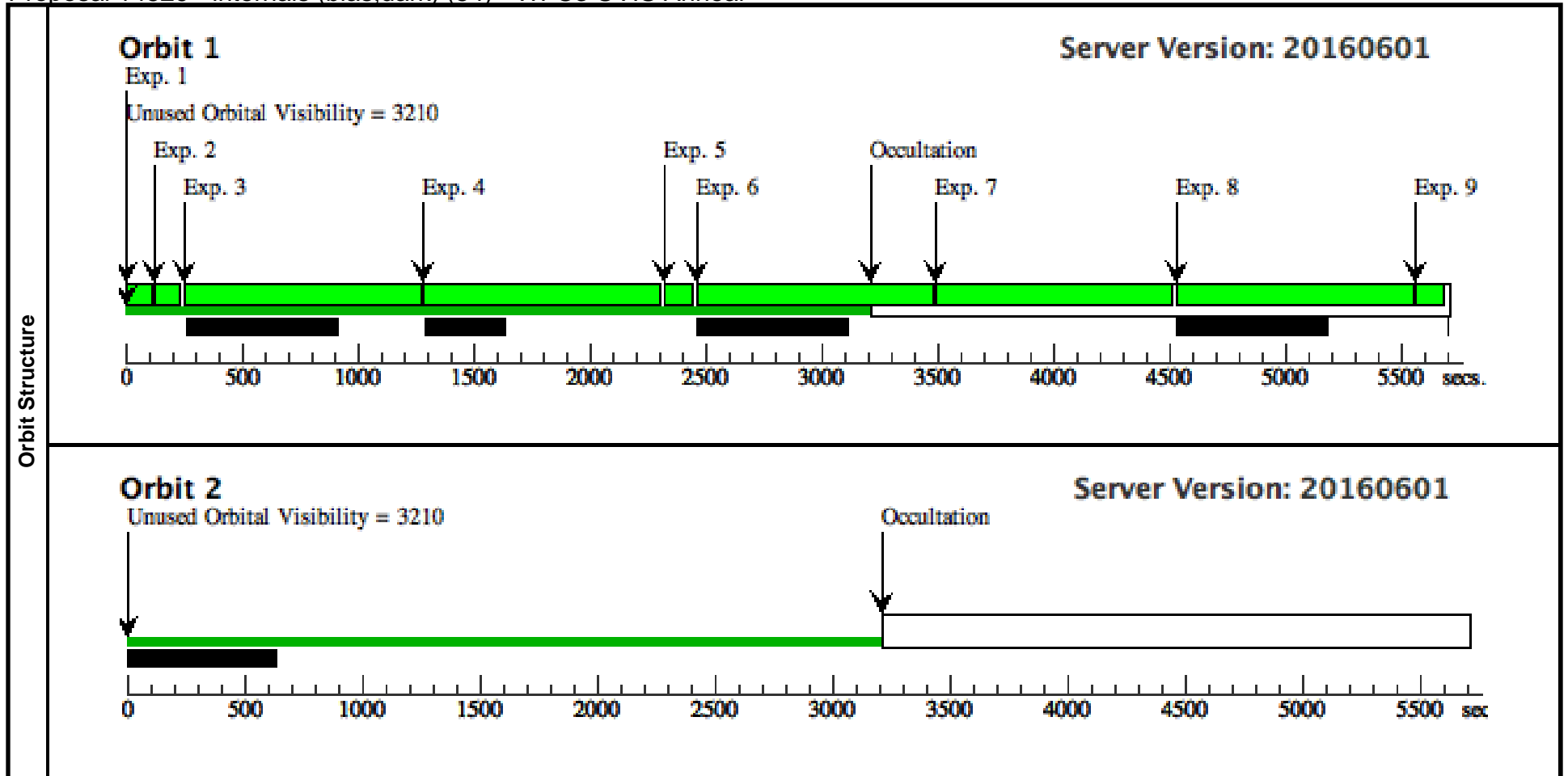
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	initial check	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F475X	BIN=3		Sequence 1-3 Non-Int in bowtie check/fix (53)	1.0 Secs (1 Secs) [==>]	[1]
2	neutralizer	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F475X	BIN=3		Sequence 1-3 Non-Int in bowtie check/fix (53)	200.0 Secs (200 Secs) [==>]	[1]
3	final check	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F475X	BIN=3		Sequence 1-3 Non-Int in bowtie check/fix (53)	1.0 Secs (1 Secs) [==>]	[1]



Proposal 14529 - internals (bias,dark) (54) - WFC3 UVIS Anneal

Wed Sep 07 21:29:12 GMT 2016

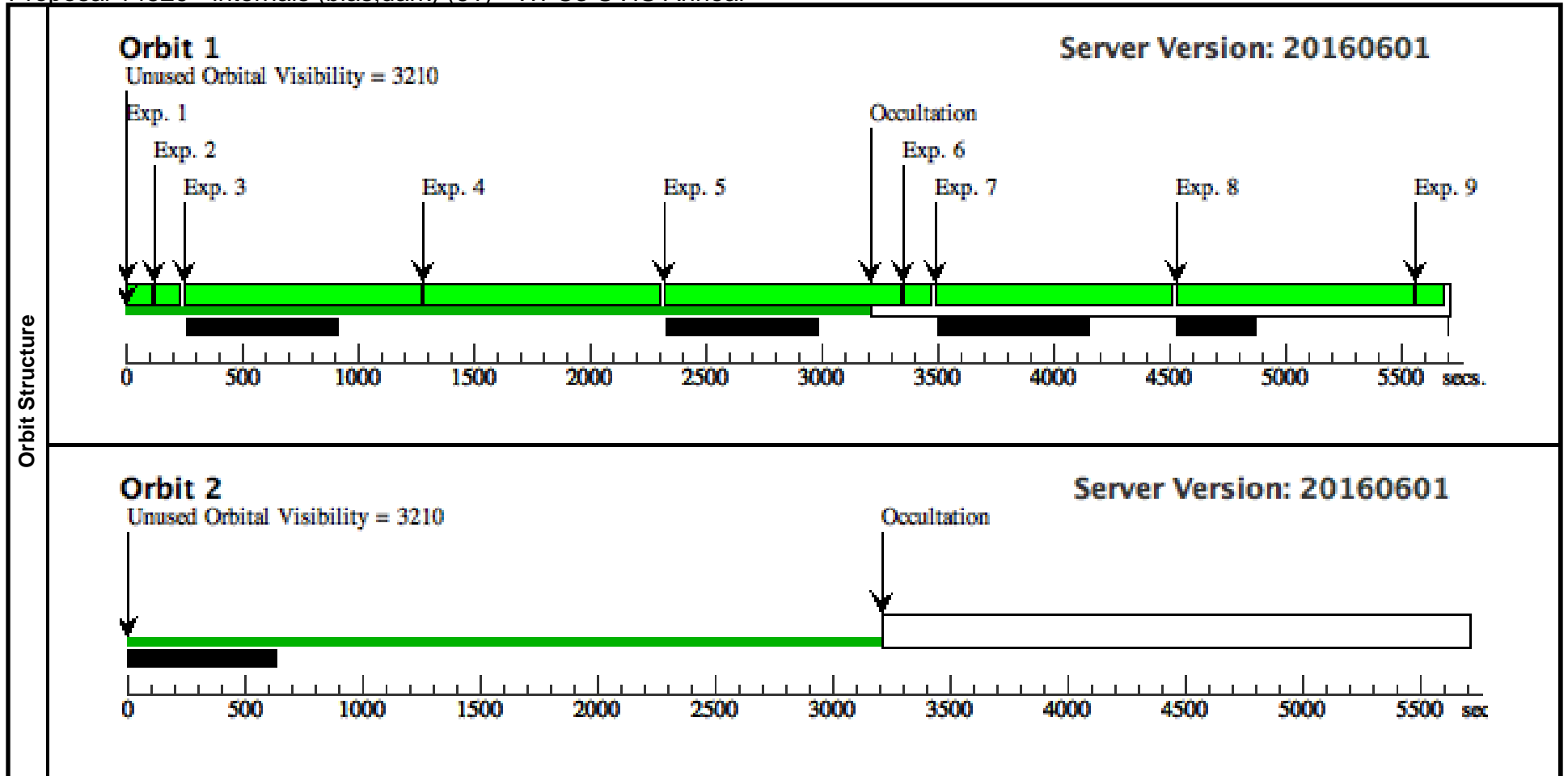
Visit	Proposal 14529, internals (bias,dark) (54), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)										
	Diagnostics	(internals (bias,dark) (54)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU									
Exposures		#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF					0.0 Secs (0 Secs)	
										[==>]	[1]
	2	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF					0.0 Secs (0 Secs)	
										[==>]	[1]
	3	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)	
										[==>]	[1]
	4	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)	
										[==>]	[1]
	5	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				0.5 Secs (0.5 Secs)	
									[==>]	[1]	
6	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)		
									[==>]	[1]	
7	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)		
									[==>]	[1]	
8	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)		
									[==>]	[1]	
9	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				0.5 Secs (0.5 Secs)		
									[==>]	[1]	



Proposal 14529 - internals (bias,dark) (61) - WFC3 UVIS Anneal

Wed Sep 07 21:29:12 GMT 2016

Visit	Proposal 14529, internals (bias,dark) (61), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 17-APR-2017:00:00:00 AND 23-APR-2017:23:59:59; SEQ 61,62,63,64 WITHIN 72.0 H <i>Comments: No WFC3 UVIS science should be scheduled between visits; strongly prefer to have the visits scheduled back-to-back.</i>									
	Diagnosics (internals (bias,dark) (61)) 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	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF				0.0 Secs (0 Secs) [==>]	[1]
	2	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF				0.0 Secs (0 Secs) [==>]	[1]
	3	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			900.0 Secs (900 Secs) [==>]	[1]
	4	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			900.0 Secs (900 Secs) [==>]	[1]
	5	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			900.0 Secs (900 Secs) [==>]	[1]
	6	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			0.5 Secs (0.5 Secs) [==>]	[1]
	7	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			900.0 Secs (900 Secs) [==>]	[1]
	8	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			900.0 Secs (900 Secs) [==>]	[1]
	9	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			0.5 Secs (0.5 Secs) [==>]	[1]



Visit	Proposal 14529, Apr 2017 anneal procedure (62), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3 Special Requirements: (none) Comments: Using minimum default value + 1sec.										
	Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		Anneal	NONE	WFC3, ANNEAL		IRTEMP=COLD				0 Secs (0 Secs) [==>]	[1]
Orbit Structure	<p>Orbit 1 Server Version: 20160601</p> <p>Exp. 1</p> <p>Unused Orbital Visibility = 3210</p> <p>Occultation</p> <p>0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 sec</p>										

Proposal 14529 - bowtie check/fix (63) - WFC3 UVIS Anneal

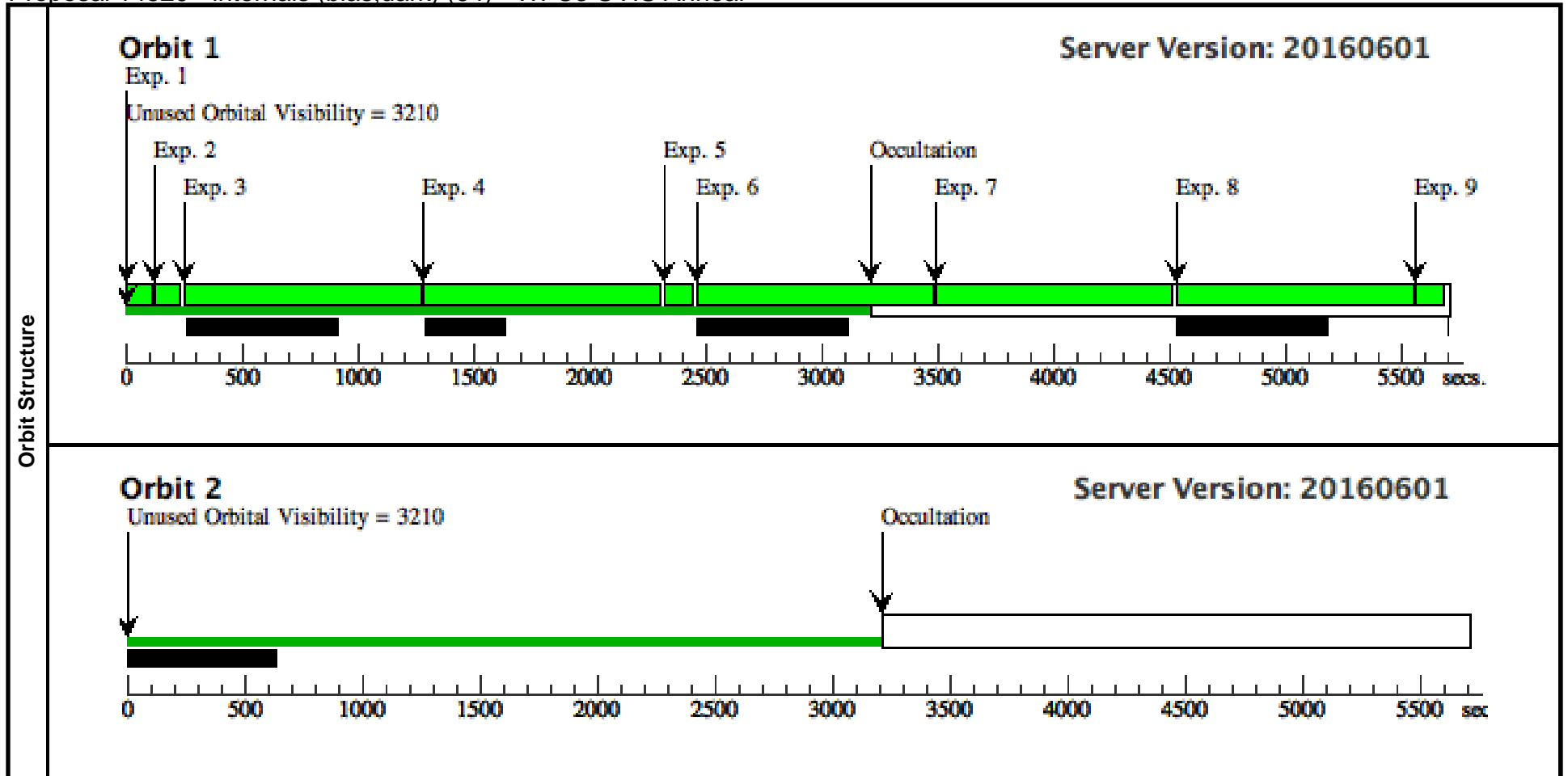
Wed Sep 07 21:29:12 GMT 2016

Visit	Proposal 14529, bowtie check/fix (63), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)									
	(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	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	initial check	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F475X	BIN=3		Sequence 1-3 Non-Int in bowtie check/fix (63)	1.0 Secs (1 Secs) [==>]	[1]
	2	neutralizer	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F475X	BIN=3		Sequence 1-3 Non-Int in bowtie check/fix (63)	200.0 Secs (200 Secs) [==>]	[1]
	3	final check	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F475X	BIN=3		Sequence 1-3 Non-Int in bowtie check/fix (63)	1.0 Secs (1 Secs) [==>]	[1]
Orbit Structure	<p>Orbit 1 Unused Orbital Visibility = 3210</p> <p>Server Version: 20160601</p> <p>The diagram shows a horizontal timeline from 0 to 5500 seconds. The first 500 seconds are highlighted in green. Within this green segment, three vertical arrows labeled 'Exp. 1', 'Exp. 2', and 'Exp. 3' point to specific points. A vertical arrow labeled 'Reconfig' points to a small black rectangle on the timeline. At approximately 3200 seconds, a vertical arrow labeled 'Occultation' points to the start of a long white rectangular bar that extends to the end of the timeline at 5500 seconds.</p>									
	<p>Timeline labels: Exp. 1, Exp. 2, Exp. 3, Reconfig, Occultation</p> <p>Timeline axis: 0, 500, 1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000, 5500 sec</p>									

Proposal 14529 - internals (bias,dark) (64) - WFC3 UVIS Anneal

Wed Sep 07 21:29:12 GMT 2016

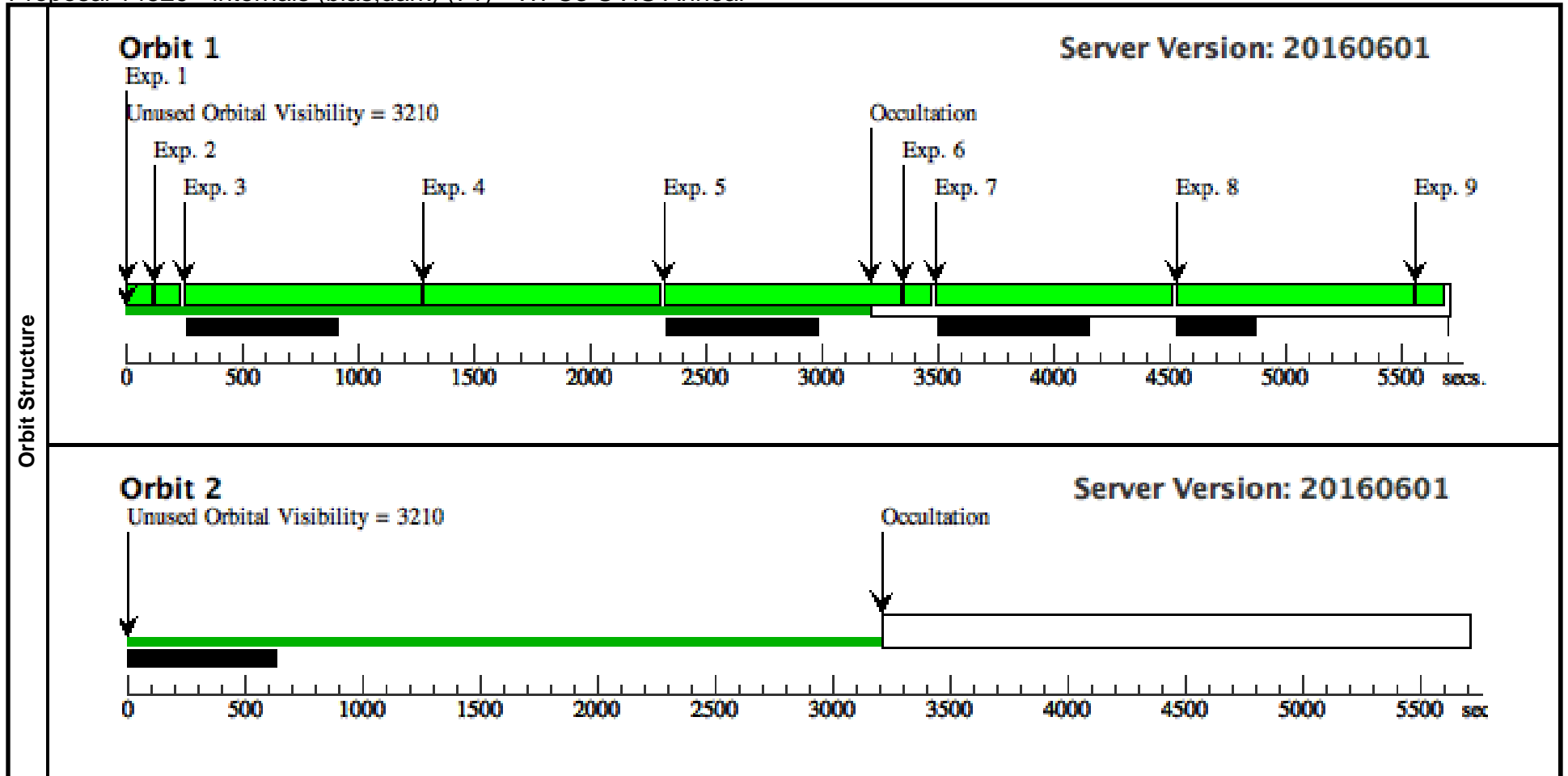
Visit	Proposal 14529, internals (bias,dark) (64), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)										
	Diagnostics	(internals (bias,dark) (64)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU									
Exposures		#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF					0.0 Secs (0 Secs)	
										[==>]	[1]
	2	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF					0.0 Secs (0 Secs)	
										[==>]	[1]
	3	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)	
										[==>]	[1]
	4	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)	
										[==>]	[1]
	5	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				0.5 Secs (0.5 Secs)	
									[==>]	[1]	
6	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)		
									[==>]	[1]	
7	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)		
									[==>]	[1]	
8	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)		
									[==>]	[1]	
9	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				0.5 Secs (0.5 Secs)		
									[==>]	[1]	



Proposal 14529 - internals (bias,dark) (71) - WFC3 UVIS Anneal

Wed Sep 07 21:29:12 GMT 2016

Visit	Proposal 14529, internals (bias,dark) (71), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 15-MAY-2017:00:00:00 AND 21-MAY-2017:23:59:59; SEQ 71,72,73,74 WITHIN 72.0 H <i>Comments: No WFC3 UVIS science should be scheduled between visits; strongly prefer to have the visits scheduled back-to-back.</i>										
	Diagnostics	(internals (bias,dark) (71)) 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	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF					0.0 Secs (0 Secs)	
										[==>]	[1]
	2	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF					0.0 Secs (0 Secs)	
										[==>]	[1]
	3	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)	
										[==>]	[1]
	4	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)	
										[==>]	[1]
	5	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)	
									[==>]	[1]	
6	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				0.5 Secs (0.5 Secs)		
									[==>]	[1]	
7	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)		
									[==>]	[1]	
8	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)		
									[==>]	[1]	
9	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				0.5 Secs (0.5 Secs)		
									[==>]	[1]	



Proposal 14529 - May 2017 anneal procedure (72) - WFC3 UVIS Anneal

Wed Sep 07 21:29:12 GMT 2016

Visit	Proposal 14529, May 2017 anneal procedure (72), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3 Special Requirements: (none) <i>Comments: Using minimum default value + 1sec.</i>										
	Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	
1		Anneal	NONE	WFC3, ANNEAL		IRTEMP=COLD				0 Secs (0 Secs) [==>]	[1]
Orbit Structure	<p>Orbit 1 Server Version: 20160601</p> <p>Unused Orbital Visibility = 3210</p> <p>The diagram shows a horizontal timeline from 0 to 5500 seconds. A green bar representing the exposure starts at 0 and ends at approximately 3200 seconds. A white bar representing the occultation starts at approximately 3200 seconds and ends at approximately 5500 seconds. An arrow labeled 'Exp. 1' points to the start of the green bar. An arrow labeled 'Occultation' points to the start of the white bar.</p>										
	<p>0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 sec</p>										

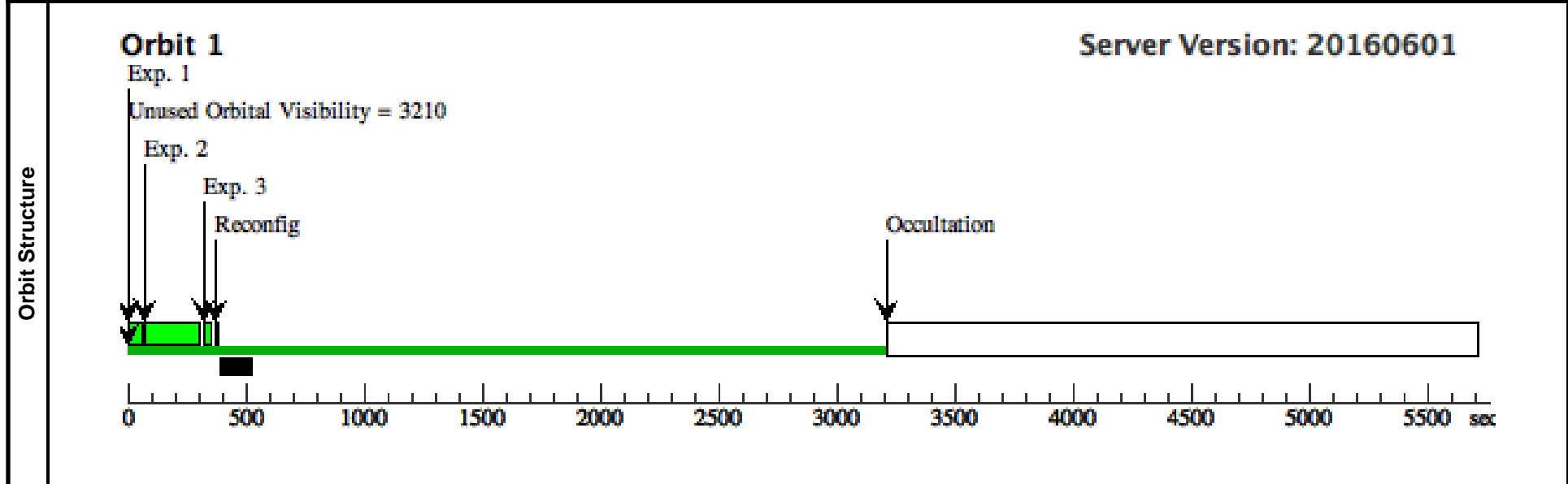
Proposal 14529 - bowtie check/fix (73) - WFC3 UVIS Anneal

Wed Sep 07 21:29:12 GMT 2016

Visit	<p>Proposal 14529, bowtie check/fix (73), implementation</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: (none)</p>
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Diagnostics	<p>(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</p> <p>(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</p> <p>(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</p>
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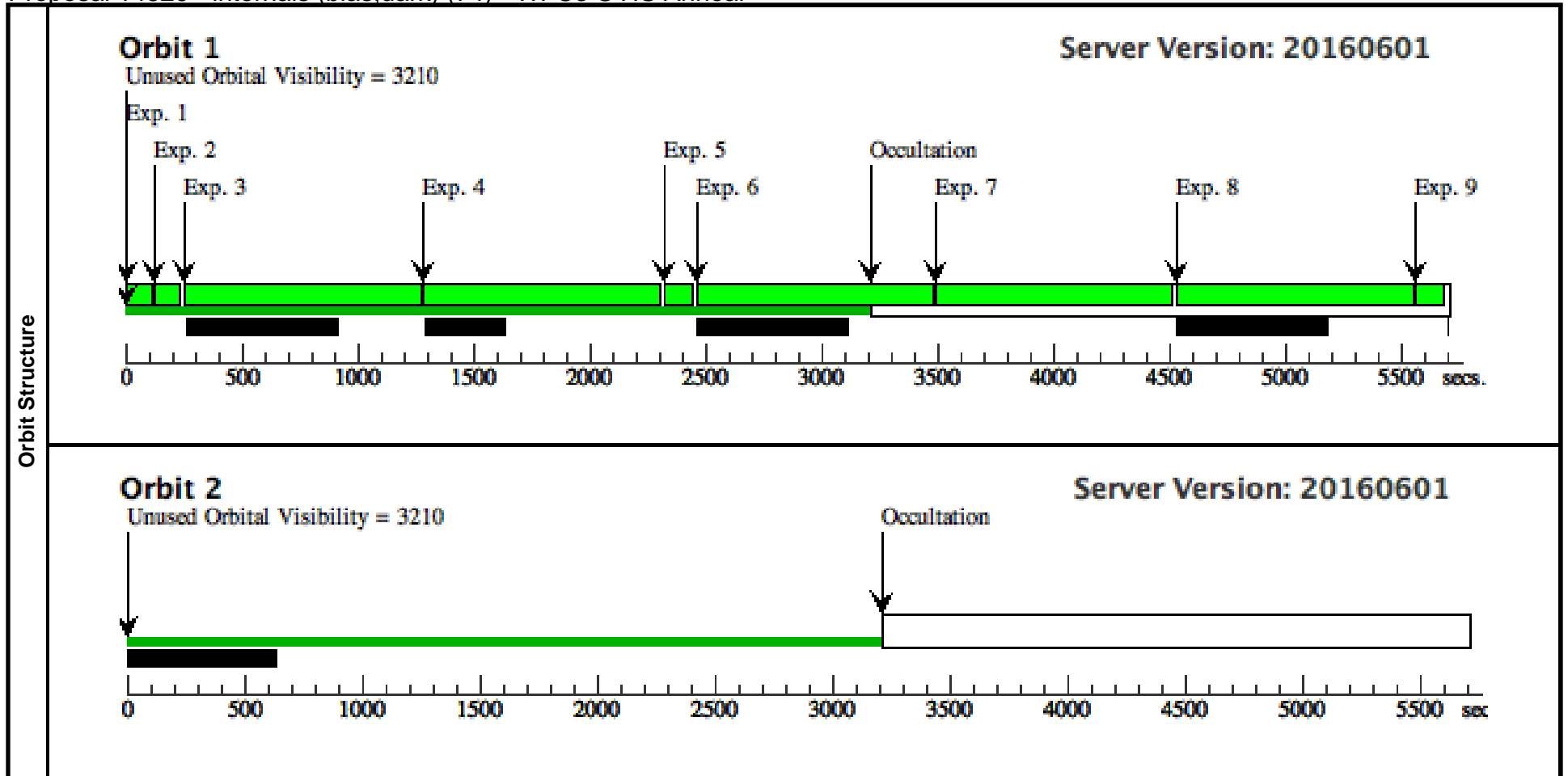
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	initial check	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F475X	BIN=3		Sequence 1-3 Non-Int in bowtie check/fix (73)	1.0 Secs (1 Secs) [==>]	[1]	
2	neutralizer	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F475X	BIN=3		Sequence 1-3 Non-Int in bowtie check/fix (73)	200.0 Secs (200 Secs) [==>]	[1]	
3	final check	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F475X	BIN=3		Sequence 1-3 Non-Int in bowtie check/fix (73)	1.0 Secs (1 Secs) [==>]	[1]	



Proposal 14529 - internals (bias,dark) (74) - WFC3 UVIS Anneal

Wed Sep 07 21:29:12 GMT 2016

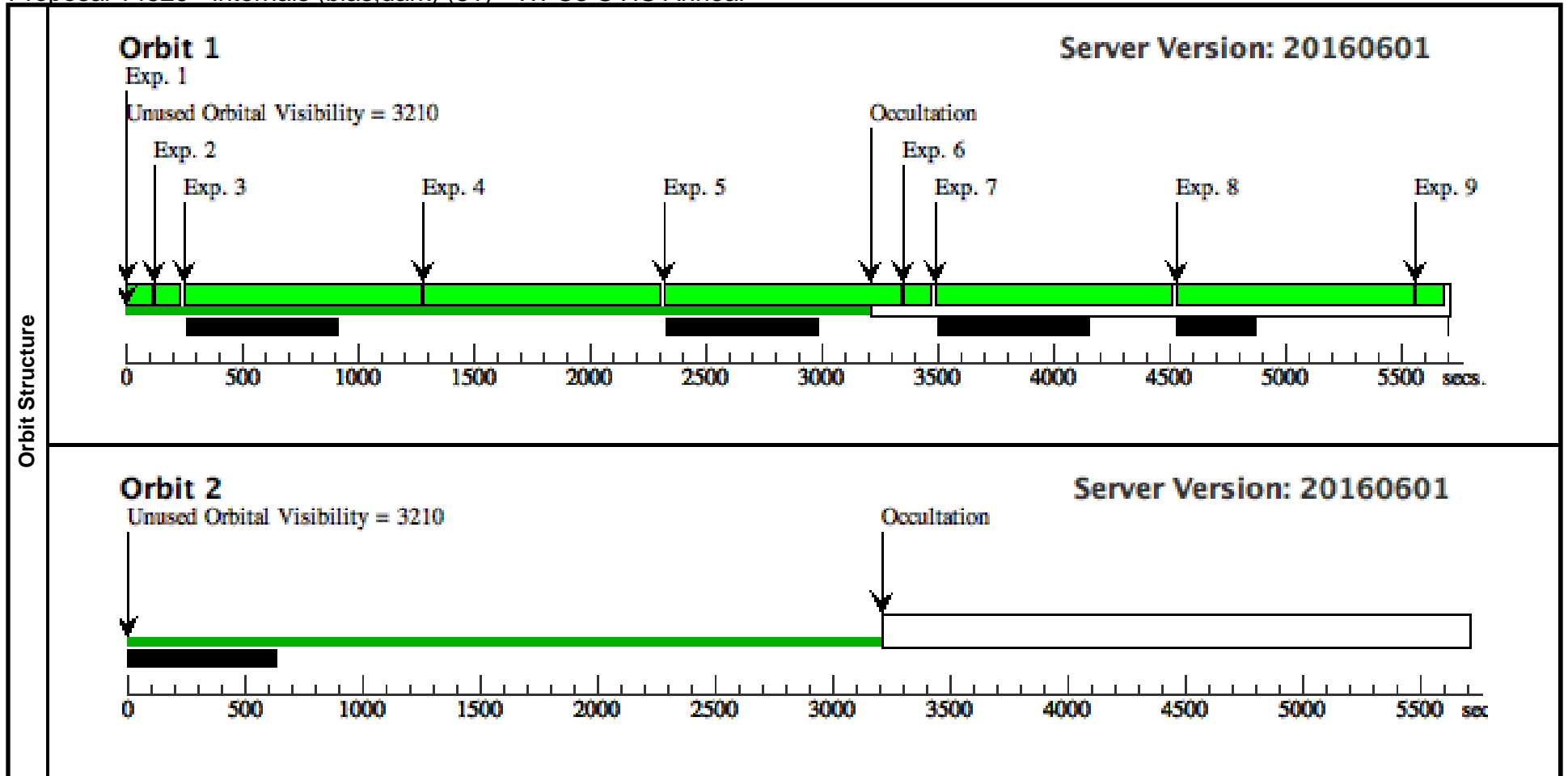
Visit	Proposal 14529, internals (bias,dark) (74), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)										
	Diagnostics	(internals (bias,dark) (74)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU									
Exposures		#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF					0.0 Secs (0 Secs)	
										[==>]	[1]
	2	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF					0.0 Secs (0 Secs)	
										[==>]	[1]
	3	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)	
										[==>]	[1]
	4	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)	
										[==>]	[1]
	5	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				0.5 Secs (0.5 Secs)	
									[==>]	[1]	
6	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)		
									[==>]	[1]	
7	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)		
									[==>]	[1]	
8	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)		
									[==>]	[1]	
9	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				0.5 Secs (0.5 Secs)		
									[==>]	[1]	



Proposal 14529 - internals (bias,dark) (81) - WFC3 UVIS Anneal

Wed Sep 07 21:29:12 GMT 2016

Visit	Proposal 14529, internals (bias,dark) (81), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 12-JUN-2017:00:00:00 AND 18-JUN-2017:23:59:59; SEQ 81,82,83,84 WITHIN 72.0 H <i>Comments: No WFC3 UVIS science should be scheduled between visits; strongly prefer to have the visits scheduled back-to-back.</i>									
	Diagnosics (internals (bias,dark) (81)) 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	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF				0.0 Secs (0 Secs) [==>]	[1]
	2	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF				0.0 Secs (0 Secs) [==>]	[1]
	3	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			900.0 Secs (900 Secs) [==>]	[1]
	4	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			900.0 Secs (900 Secs) [==>]	[1]
	5	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			900.0 Secs (900 Secs) [==>]	[1]
	6	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			0.5 Secs (0.5 Secs) [==>]	[1]
	7	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			900.0 Secs (900 Secs) [==>]	[1]
	8	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			900.0 Secs (900 Secs) [==>]	[1]
	9	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			0.5 Secs (0.5 Secs) [==>]	[1]



Visit	Proposal 14529, Jun 2017 anneal procedure (82), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3 Special Requirements: (none) Comments: Using minimum default value + 1sec.										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	Anneal	NONE	WFC3, ANNEAL		IRTEMP=COLD				0 Secs (0 Secs) [==>]	[1]
Orbit Structure	<p>Orbit 1 Server Version: 20160601</p> <p>Unused Orbital Visibility = 3210</p> <p>The diagram shows a horizontal axis representing time in seconds, ranging from 0 to 5500 with major ticks every 500 seconds. A green bar starts at 0 seconds and ends at approximately 3200 seconds, labeled 'Exp. 1'. A white bar starts at approximately 3200 seconds and ends at approximately 5500 seconds, labeled 'Occultation'. Two vertical arrows point down to the start of the green bar at 0 seconds and the start of the white bar at approximately 3200 seconds.</p>										

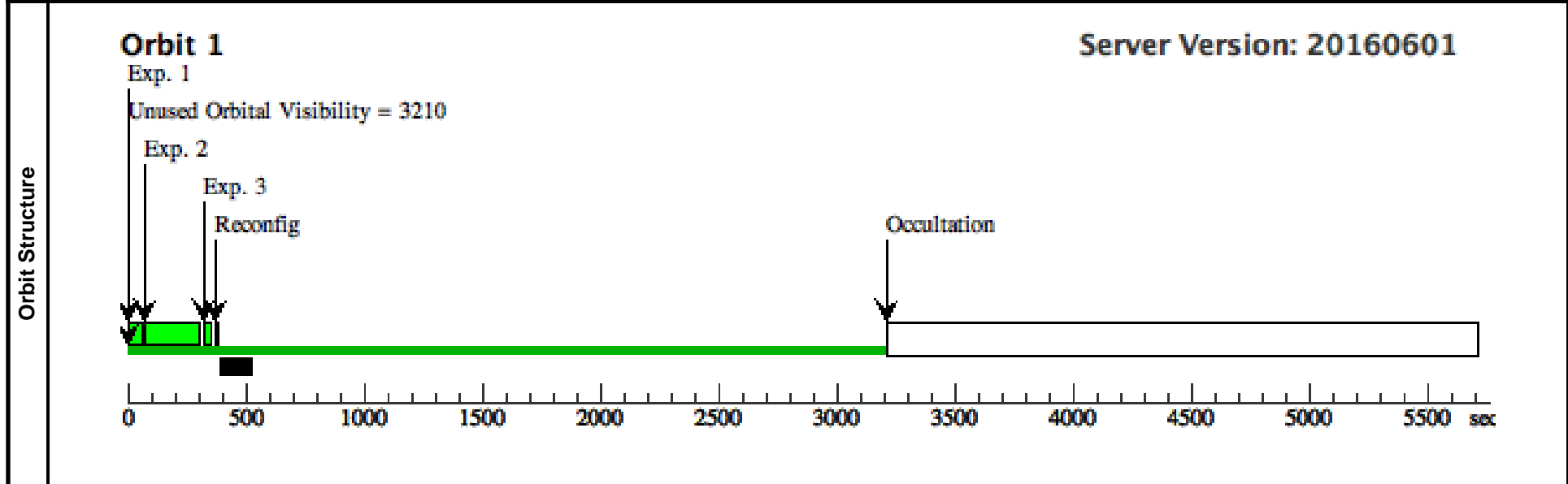
Proposal 14529 - bowtie check/fix (83) - WFC3 UVIS Anneal

Wed Sep 07 21:29:12 GMT 2016

Visit	<p>Proposal 14529, bowtie check/fix (83), implementation</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: (none)</p>
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Diagnostics	<p>(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</p> <p>(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</p> <p>(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</p>
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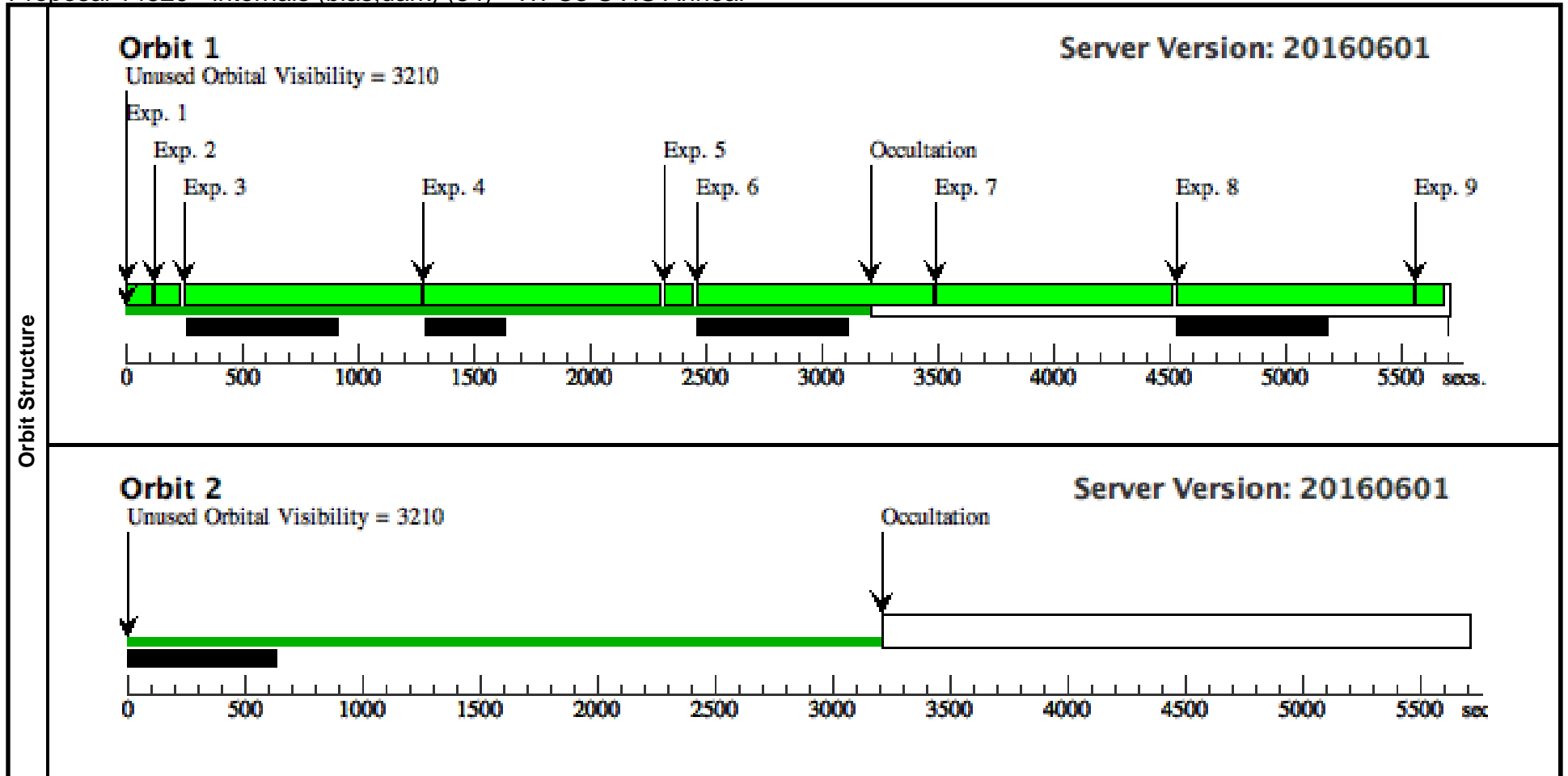
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	initial check	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F475X	BIN=3		Sequence 1-3 Non-Int in bowtie check/fix (83)	1.0 Secs (1 Secs) [==>]	[1]
	2	neutralizer	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F475X	BIN=3		Sequence 1-3 Non-Int in bowtie check/fix (83)	200.0 Secs (200 Secs) [==>]	[1]
	3	final check	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F475X	BIN=3		Sequence 1-3 Non-Int in bowtie check/fix (83)	1.0 Secs (1 Secs) [==>]	[1]



Proposal 14529 - internals (bias,dark) (84) - WFC3 UVIS Anneal

Wed Sep 07 21:29:12 GMT 2016

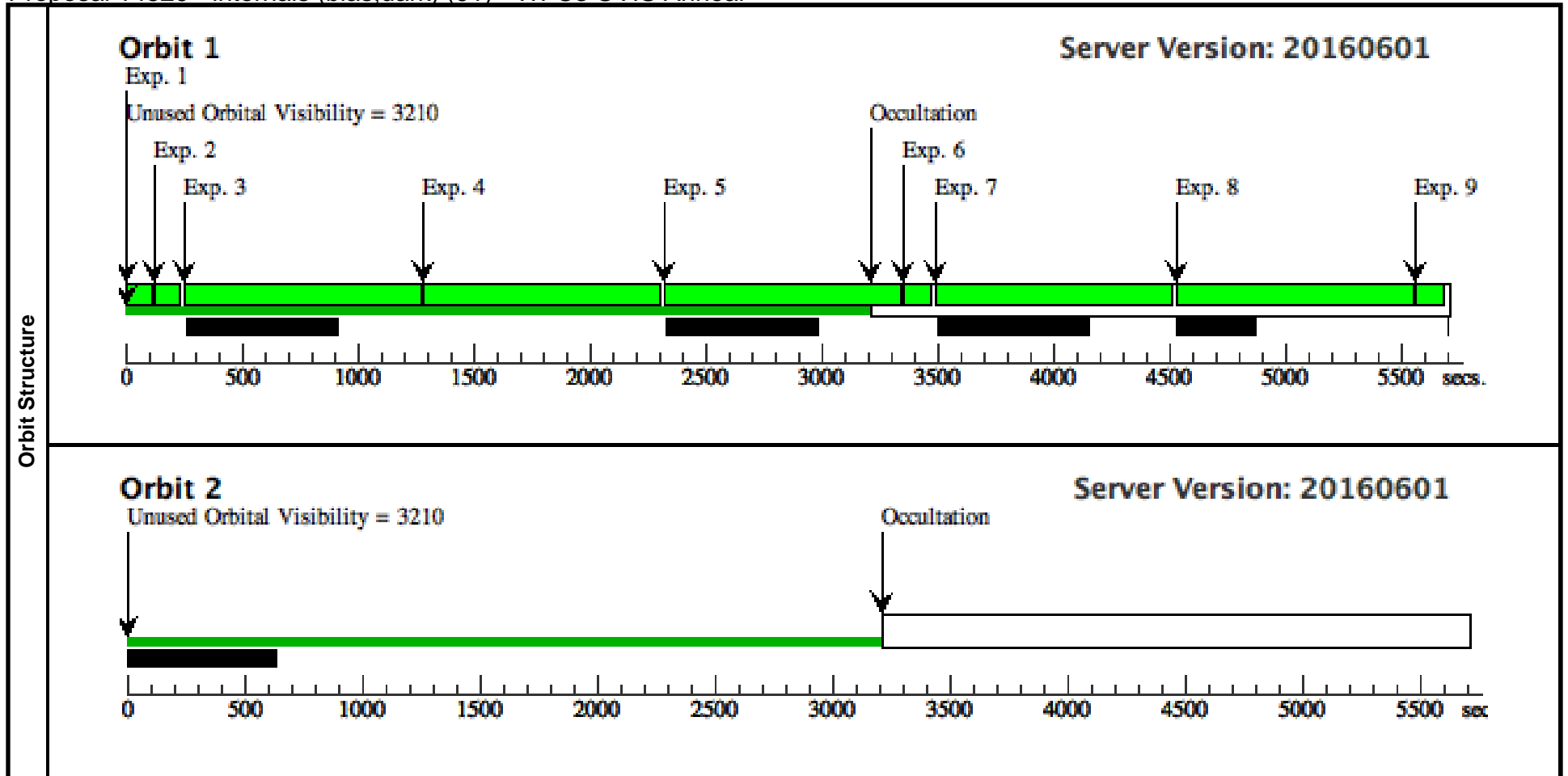
Visit	Proposal 14529, internals (bias,dark) (84), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)										
	Diagnostics	(internals (bias,dark) (84)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU									
Exposures		#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF					0.0 Secs (0 Secs)	
										[==>]	[1]
	2	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF					0.0 Secs (0 Secs)	
										[==>]	[1]
	3	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)	
										[==>]	[1]
	4	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)	
										[==>]	[1]
	5	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				0.5 Secs (0.5 Secs)	
									[==>]	[1]	
6	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)		
									[==>]	[1]	
7	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)		
									[==>]	[1]	
8	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)		
									[==>]	[1]	
9	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				0.5 Secs (0.5 Secs)		
									[==>]	[1]	



Proposal 14529 - internals (bias,dark) (91) - WFC3 UVIS Anneal

Wed Sep 07 21:29:12 GMT 2016

Visit	Proposal 14529, internals (bias,dark) (91), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 10-JUL-2017:00:00:00 AND 16-JUL-2017:23:59:59; SEQ 91,92,93,94 WITHIN 72.0 H <i>Comments: No WFC3 UVIS science should be scheduled between visits; strongly prefer to have the visits scheduled back-to-back.</i>										
	Diagnostics	(internals (bias,dark) (91)) 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	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF					0.0 Secs (0 Secs) [==>]	[1]
	2	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF				0.0 Secs (0 Secs) [==>]	[1]	
	3	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			900.0 Secs (900 Secs) [==>]	[1]	
	4	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			900.0 Secs (900 Secs) [==>]	[1]	
	5	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			900.0 Secs (900 Secs) [==>]	[1]	
	6	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			0.5 Secs (0.5 Secs) [==>]	[1]	
	7	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			900.0 Secs (900 Secs) [==>]	[1]	
	8	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			900.0 Secs (900 Secs) [==>]	[1]	
	9	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			0.5 Secs (0.5 Secs) [==>]	[1]	

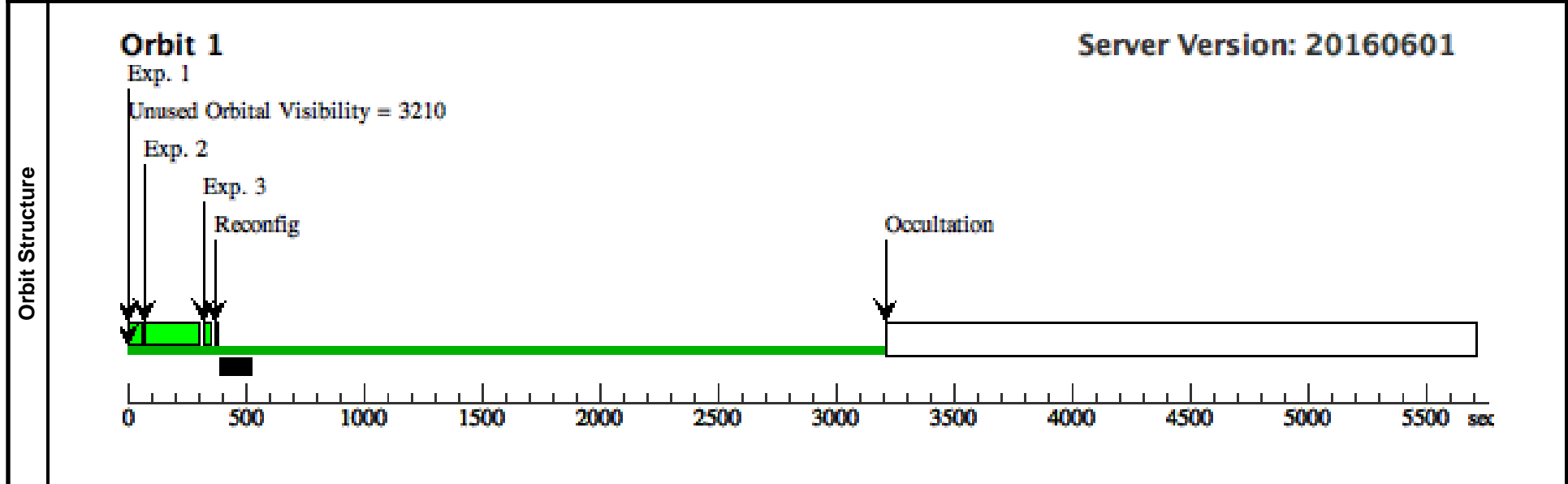


Visit	Proposal 14529, Jul 2017 anneal procedure (92), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3 Special Requirements: (none) Comments: Using minimum default value + 1sec.									
	Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]
1		Anneal	NONE	WFC3, ANNEAL		IRTEMP=COLD			0 Secs (0 Secs) [==>]	[1]
Orbit Structure	<p>Orbit 1 Server Version: 20160601</p> <p>Exp. 1</p> <p>Unused Orbital Visibility = 3210</p> <p>Occultation</p> <p>0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 sec</p>									

Visit	<p>Proposal 14529, bowtie check/fix (93), implementation</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: (none)</p>
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Diagnostics	<p>(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</p> <p>(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</p> <p>(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</p>
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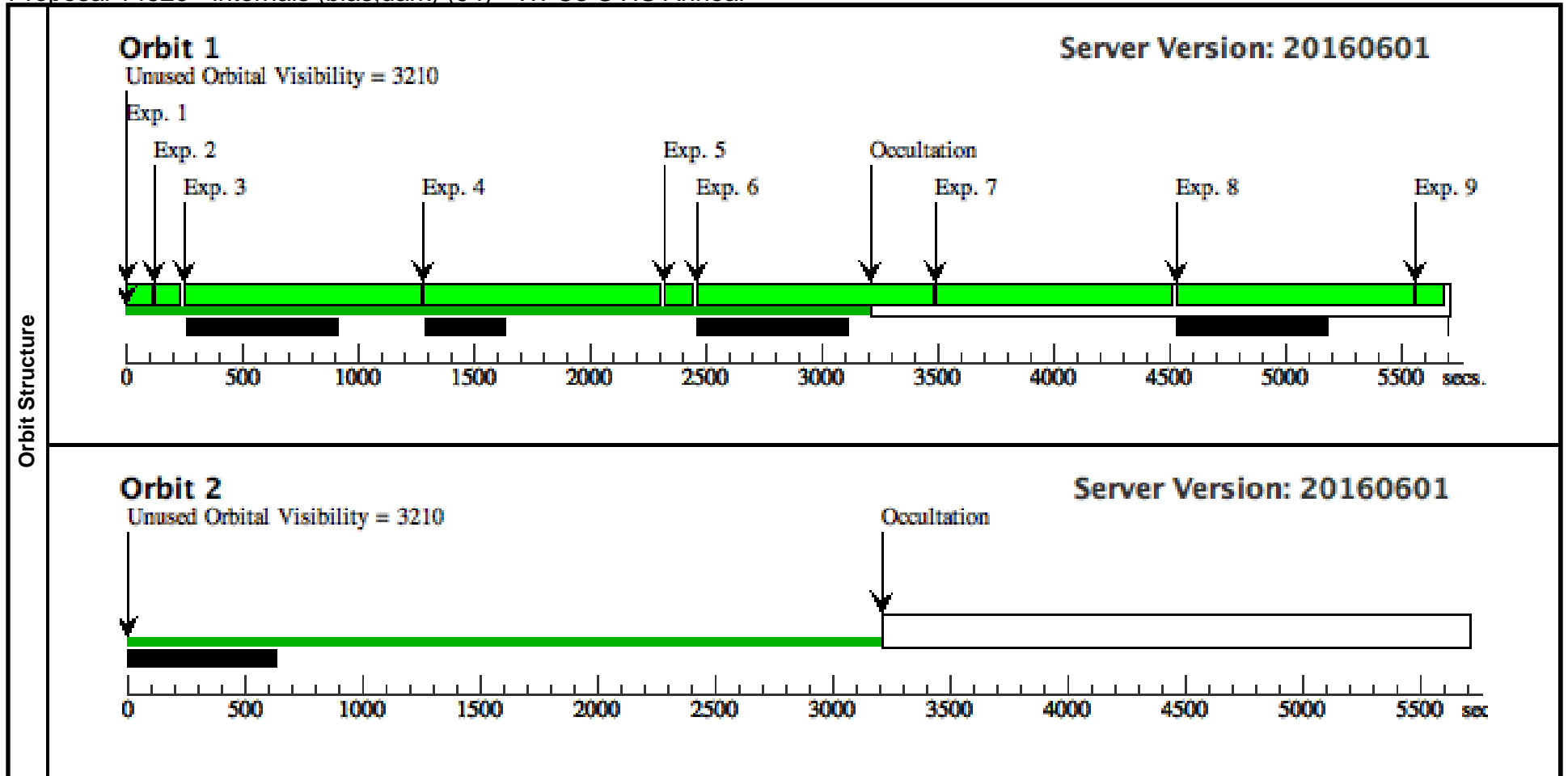
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	initial check	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F475X	BIN=3		Sequence 1-3 Non-Int in bowtie check/fix (93)	1.0 Secs (1 Secs) [==>]	[1]
2	neutralizer	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F475X	BIN=3		Sequence 1-3 Non-Int in bowtie check/fix (93)	200.0 Secs (200 Secs) [==>]	[1]	
3	final check	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F475X	BIN=3		Sequence 1-3 Non-Int in bowtie check/fix (93)	1.0 Secs (1 Secs) [==>]	[1]	



Proposal 14529 - internals (bias,dark) (94) - WFC3 UVIS Anneal

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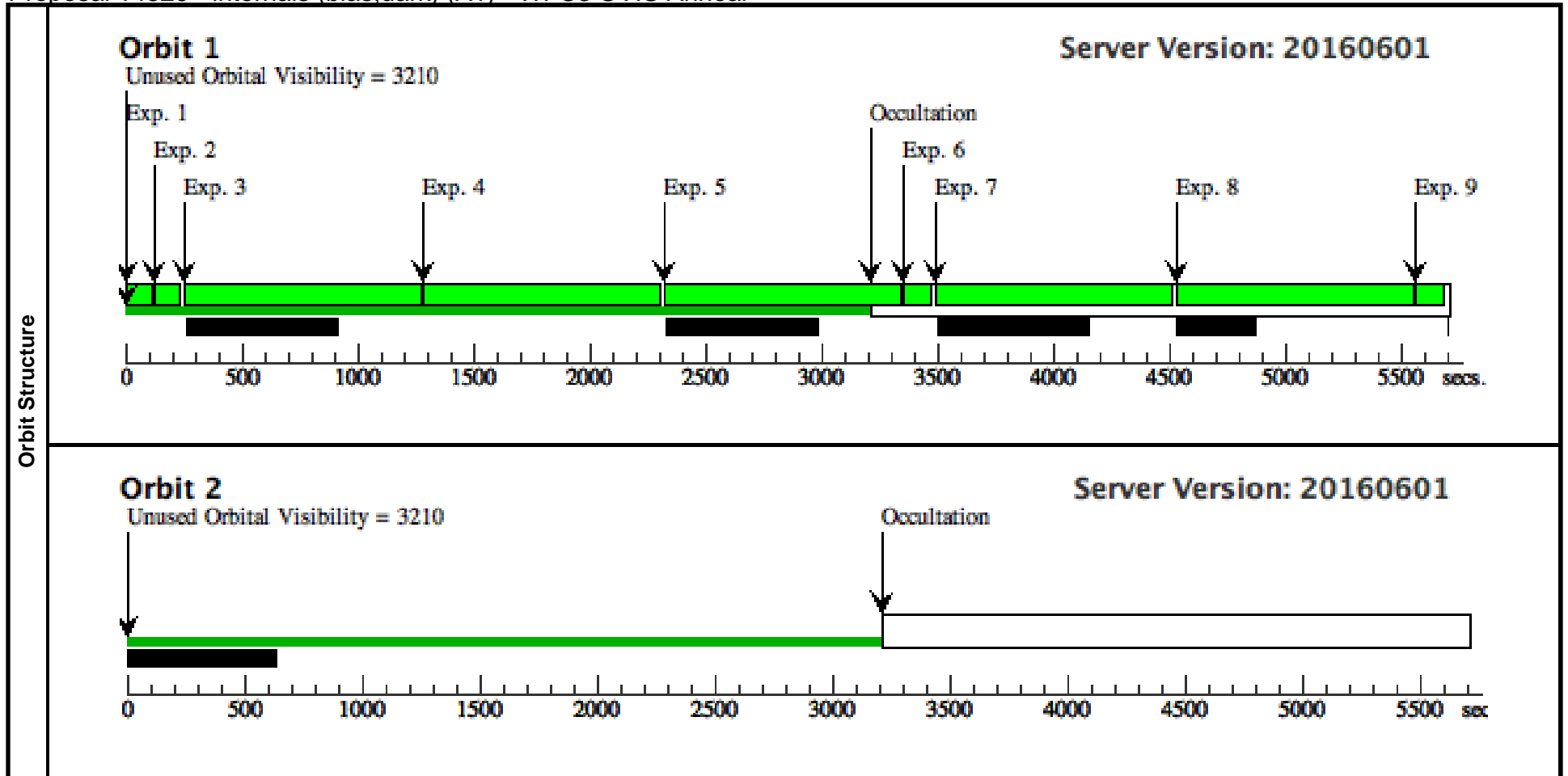
Visit	Proposal 14529, internals (bias,dark) (94), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)										
	Diagnostics	(internals (bias,dark) (94)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU									
Exposures		#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF					0.0 Secs (0 Secs)	
										[==>]	[1]
	2	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF					0.0 Secs (0 Secs)	
										[==>]	[1]
	3	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)	
										[==>]	[1]
	4	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)	
										[==>]	[1]
	5	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				0.5 Secs (0.5 Secs)	
									[==>]	[1]	
6	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)		
									[==>]	[1]	
7	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)		
									[==>]	[1]	
8	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)		
									[==>]	[1]	
9	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				0.5 Secs (0.5 Secs)		
									[==>]	[1]	



Proposal 14529 - internals (bias,dark) (A1) - WFC3 UVIS Anneal

Wed Sep 07 21:29:12 GMT 2016

Visit	Proposal 14529, internals (bias,dark) (A1), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 07-AUG-2017:00:00:00 AND 13-AUG-2017:23:59:59; SEQ A1,A2,A3,A4 WITHIN 72.0 H <i>Comments: No WFC3 UVIS science should be scheduled between visits; strongly prefer to have the visits scheduled back-to-back.</i>										
	Diagnostics	(internals (bias,dark) (A1)) 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	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF					0.0 Secs (0 Secs)	
										[==>]	[1]
	2	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF					0.0 Secs (0 Secs)	
										[==>]	[1]
	3	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)	
										[==>]	[1]
	4	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)	
										[==>]	[1]
	5	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)	
									[==>]	[1]	
6	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				0.5 Secs (0.5 Secs)		
									[==>]	[1]	
7	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)		
									[==>]	[1]	
8	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)		
									[==>]	[1]	
9	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				0.5 Secs (0.5 Secs)		
									[==>]	[1]	



Proposal 14529 - Aug 2017 anneal procedure (A2) - WFC3 UVIS Anneal

Wed Sep 07 21:29:13 GMT 2016

Visit	Proposal 14529, Aug 2017 anneal procedure (A2), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3 Special Requirements: (none) Comments: Using minimum default value + 1sec.										
	Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	
1		Anneal	NONE	WFC3, ANNEAL		IRTEMP=COLD				0 Secs (0 Secs) [==>]	[1]
Orbit Structure	<p>Orbit 1 Server Version: 20160601</p> <p>Exp. 1</p> <p>Unused Orbital Visibility = 3210</p> <p>Occultation</p> <p>0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 sec</p>										
	This row is implicitly filled by the diagram content above										

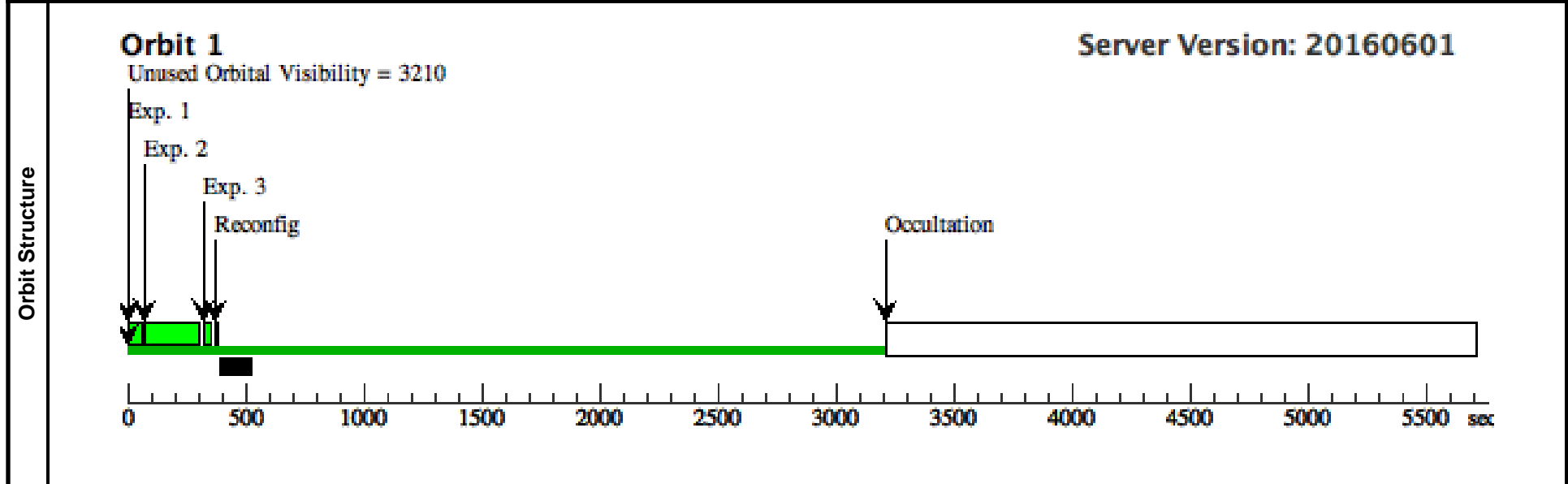
Proposal 14529 - bowtie check/fix (A3) - WFC3 UVIS Anneal

Wed Sep 07 21:29:13 GMT 2016

Visit	<p>Proposal 14529, bowtie check/fix (A3), implementation</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: (none)</p>
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Diagnostics	<p>(initial check (A3.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(neutralizer (A3.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(final check (A3.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p>
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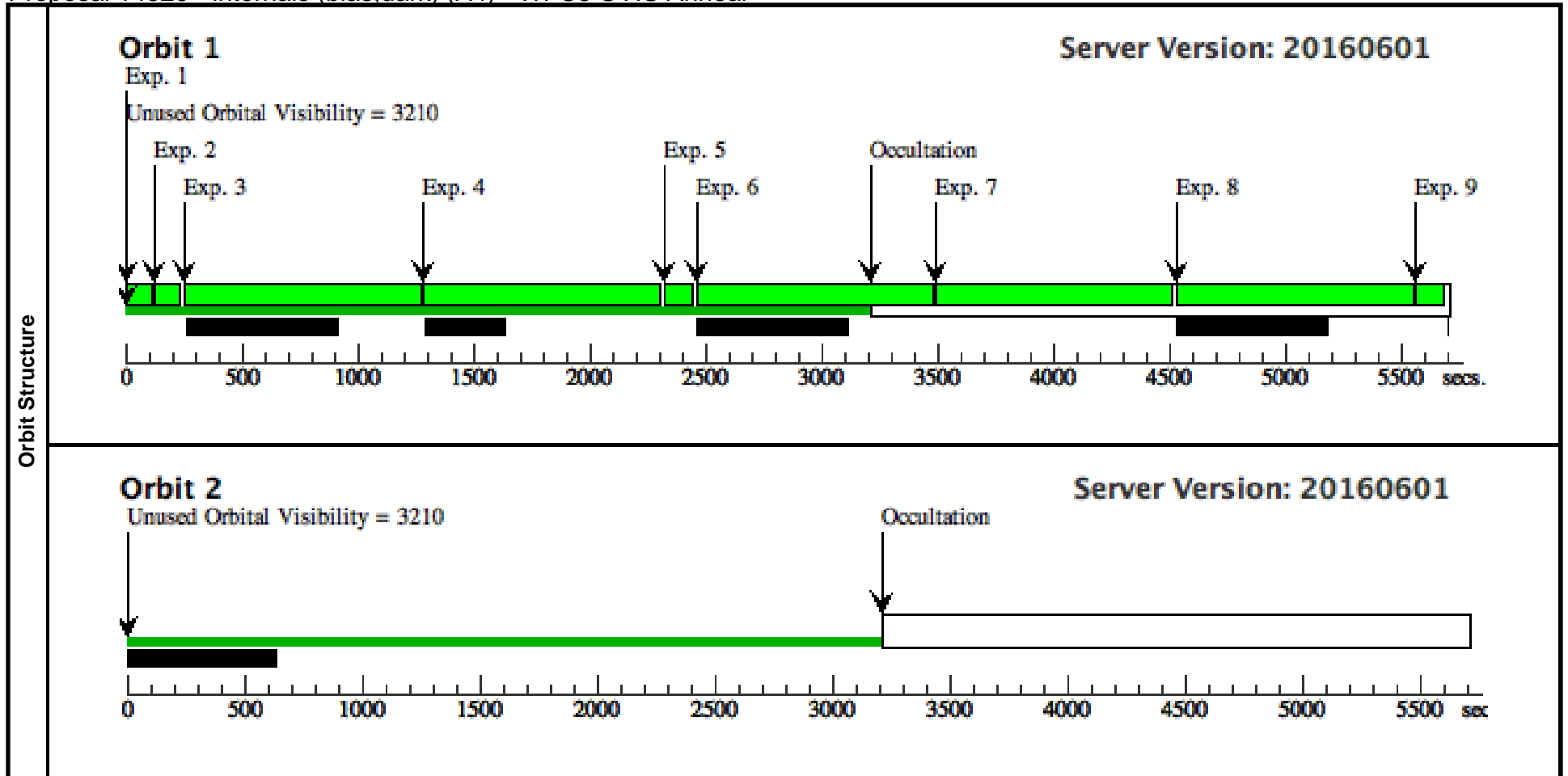
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	initial check	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F475X	BIN=3		Sequence 1-3 Non-Int in bowtie check/fix (A3)	1.0 Secs (1 Secs) [==>]	[1]
2	neutralizer	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F475X	BIN=3		Sequence 1-3 Non-Int in bowtie check/fix (A3)	200.0 Secs (200 Secs) [==>]	[1]	
3	final check	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F475X	BIN=3		Sequence 1-3 Non-Int in bowtie check/fix (A3)	1.0 Secs (1 Secs) [==>]	[1]	



Proposal 14529 - internals (bias,dark) (A4) - WFC3 UVIS Anneal

Wed Sep 07 21:29:13 GMT 2016

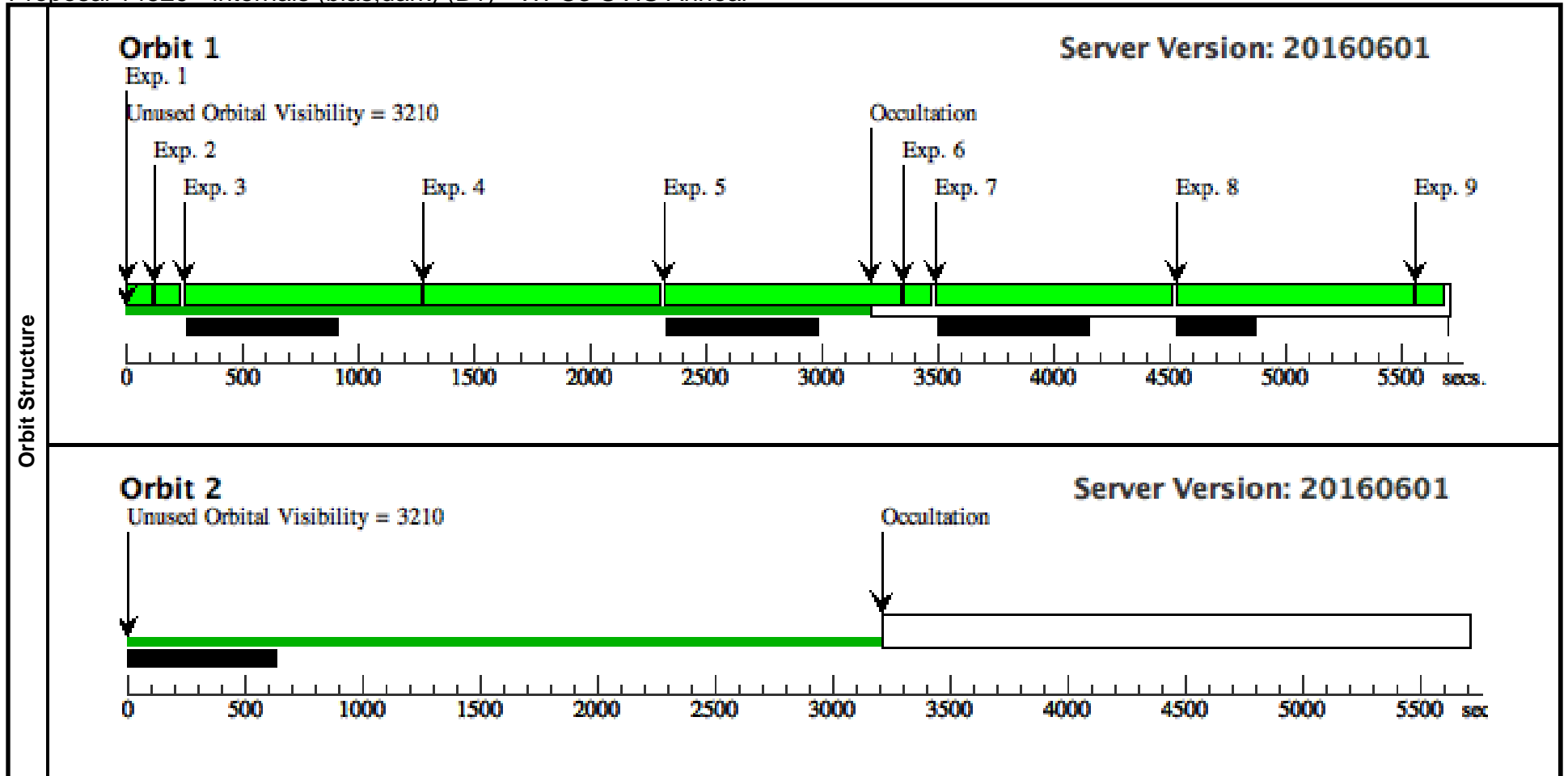
Visit	Proposal 14529, internals (bias,dark) (A4), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)										
	Diagnostics	(internals (bias,dark) (A4)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU									
Exposures		#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF					0.0 Secs (0 Secs)	
										[==>]	[1]
	2	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF					0.0 Secs (0 Secs)	
										[==>]	[1]
	3	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)	
										[==>]	[1]
	4	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)	
										[==>]	[1]
	5	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				0.5 Secs (0.5 Secs)	
									[==>]	[1]	
6	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)		
									[==>]	[1]	
7	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)		
									[==>]	[1]	
8	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)		
									[==>]	[1]	
9	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				0.5 Secs (0.5 Secs)		
									[==>]	[1]	



Proposal 14529 - internals (bias,dark) (B1) - WFC3 UVIS Anneal

Wed Sep 07 21:29:13 GMT 2016

Visit	Proposal 14529, internals (bias,dark) (B1), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 04-SEP-2017:00:00:00 AND 10-SEP-2017:23:59:59; SEQ B1,B2,B3,B4 WITHIN 72.0 H <i>Comments: No WFC3 UVIS science should be scheduled between visits; strongly prefer to have the visits scheduled back-to-back.</i>									
	Diagnosics (internals (bias,dark) (B1)) 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	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF				0.0 Secs (0 Secs) [==>]	[1]
	2	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF				0.0 Secs (0 Secs) [==>]	[1]
	3	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			900.0 Secs (900 Secs) [==>]	[1]
	4	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			900.0 Secs (900 Secs) [==>]	[1]
	5	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			900.0 Secs (900 Secs) [==>]	[1]
	6	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			0.5 Secs (0.5 Secs) [==>]	[1]
	7	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			900.0 Secs (900 Secs) [==>]	[1]
	8	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			900.0 Secs (900 Secs) [==>]	[1]
	9	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			0.5 Secs (0.5 Secs) [==>]	[1]



Visit	Proposal 14529, Sep 2017 anneal procedure (B2), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3 Special Requirements: (none) <i>Comments: Using minimum default value + 1sec.</i>										
	Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	
1		Anneal	NONE	WFC3, ANNEAL		IRTEMP=COLD				0 Secs (0 Secs) [==>]	[1]
Orbit Structure	<p>Orbit 1 Server Version: 20160601</p> <p>Exp. 1</p> <p>Unused Orbital Visibility = 3210</p> <p>Occultation</p> <p>0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 sec</p>										
	This row is implicitly filled by the diagram content above										

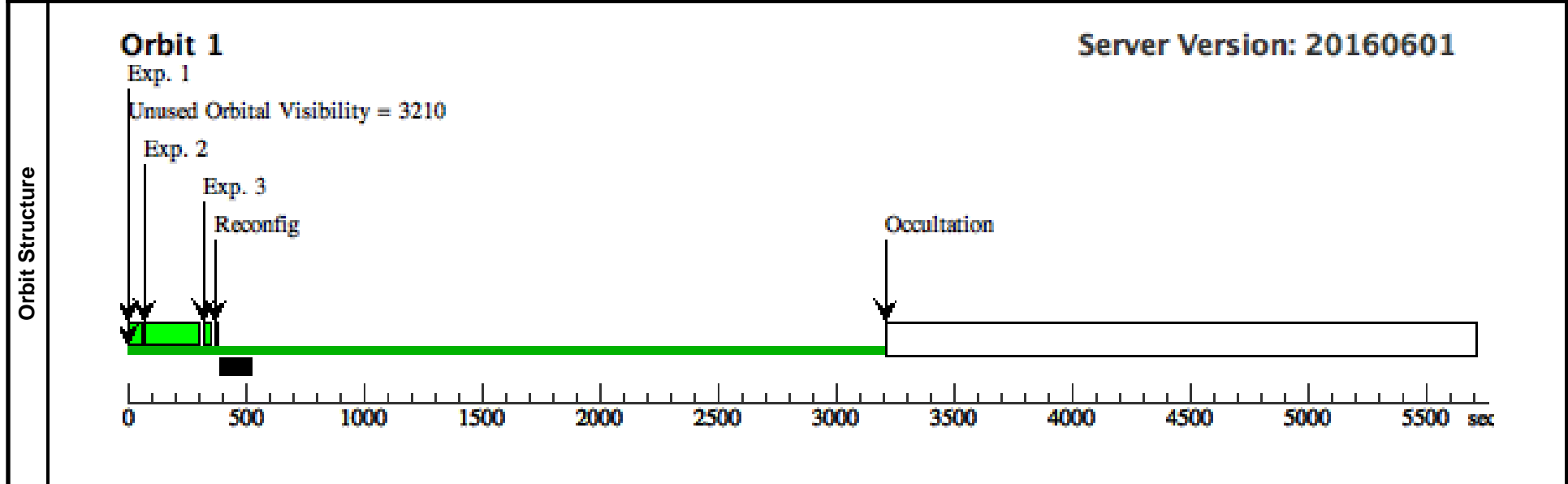
Proposal 14529 - bowtie check/fix (B3) - WFC3 UVIS Anneal

Wed Sep 07 21:29:13 GMT 2016

Visit	<p>Proposal 14529, bowtie check/fix (B3), implementation</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: (none)</p>
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Diagnostics	<p>(initial check (B3.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(neutralizer (B3.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(final check (B3.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p>
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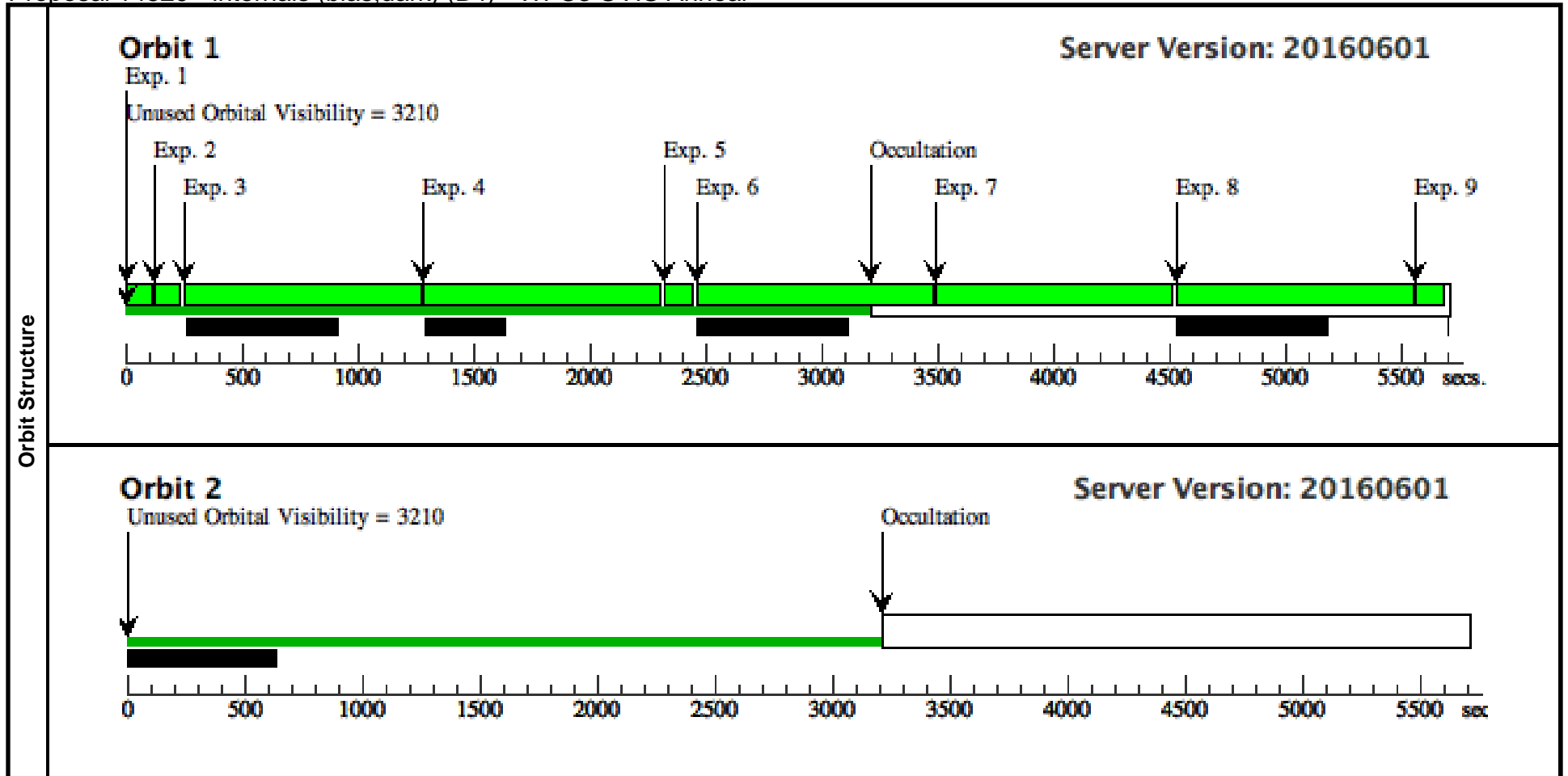
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	initial check	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F475X	BIN=3		Sequence 1-3 Non-Int in bowtie check/fix (B3)	1.0 Secs (1 Secs) [==>]	[1]
2	neutralizer	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F475X	BIN=3		Sequence 1-3 Non-Int in bowtie check/fix (B3)	200.0 Secs (200 Secs) [==>]	[1]
3	final check	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F475X	BIN=3		Sequence 1-3 Non-Int in bowtie check/fix (B3)	1.0 Secs (1 Secs) [==>]	[1]



Proposal 14529 - internals (bias,dark) (B4) - WFC3 UVIS Anneal

Wed Sep 07 21:29:13 GMT 2016

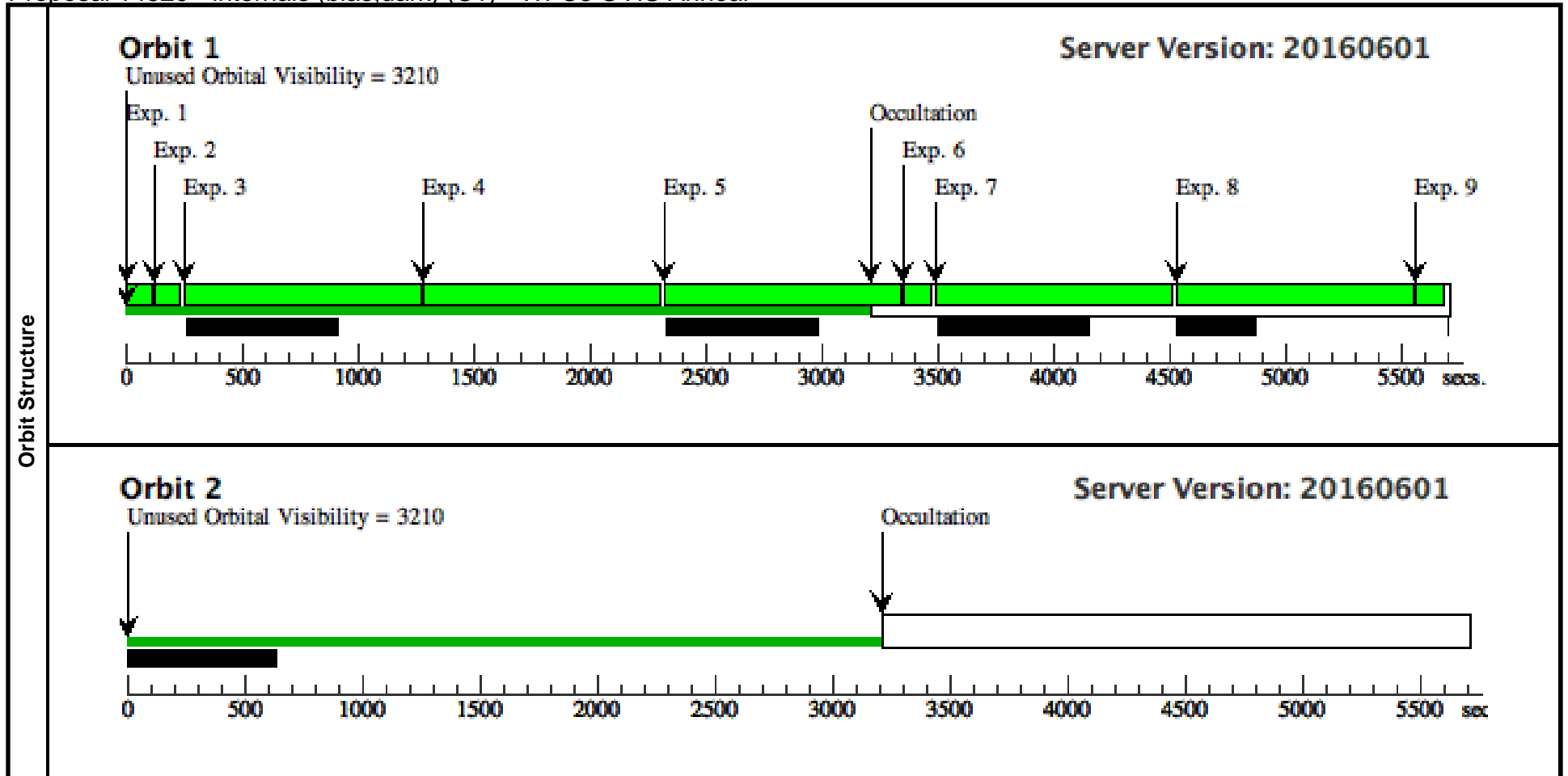
Visit	Proposal 14529, internals (bias,dark) (B4), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)										
	Diagnostics	(internals (bias,dark) (B4)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU									
Exposures		#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF					0.0 Secs (0 Secs)	
										[==>]	[1]
	2	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF					0.0 Secs (0 Secs)	
										[==>]	[1]
	3	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)	
										[==>]	[1]
	4	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)	
										[==>]	[1]
	5	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				0.5 Secs (0.5 Secs)	
									[==>]	[1]	
6	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)		
									[==>]	[1]	
7	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)		
									[==>]	[1]	
8	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)		
									[==>]	[1]	
9	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				0.5 Secs (0.5 Secs)		
									[==>]	[1]	



Proposal 14529 - internals (bias,dark) (C1) - WFC3 UVIS Anneal

Wed Sep 07 21:29:13 GMT 2016

Visit	Proposal 14529, internals (bias,dark) (C1), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 02-OCT-2017:00:00:00 AND 08-OCT-2017:23:59:59; SEQ C1,C2,C3,C4 WITHIN 72.0 H <i>Comments: No WFC3 UVIS science should be scheduled between visits; strongly prefer to have the visits scheduled back-to-back.</i>										
	Diagnostics	(internals (bias,dark) (C1)) 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	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF					0.0 Secs (0 Secs)	
										[==>]	[1]
	2	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF					0.0 Secs (0 Secs)	
										[==>]	[1]
	3	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)	
										[==>]	[1]
	4	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)	
										[==>]	[1]
	5	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)	
									[==>]	[1]	
6	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				0.5 Secs (0.5 Secs)		
									[==>]	[1]	
7	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)		
									[==>]	[1]	
8	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)		
									[==>]	[1]	
9	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				0.5 Secs (0.5 Secs)		
									[==>]	[1]	



Visit	Proposal 14529, Oct 2017 1st anneal procedure (C2), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3 Special Requirements: (none) Comments: Using minimum default value + 1sec.										
	Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		Anneal	NONE	WFC3, ANNEAL		IRTEMP=COLD				0 Secs (0 Secs) [==>]	[1]
Orbit Structure	<p>Orbit 1 Server Version: 20160601</p> <p>Exp. 1</p> <p>Unused Orbital Visibility = 3210</p> <p>Occultation</p> <p>0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 sec</p>										
	This row is implicitly filled by the diagram content above										

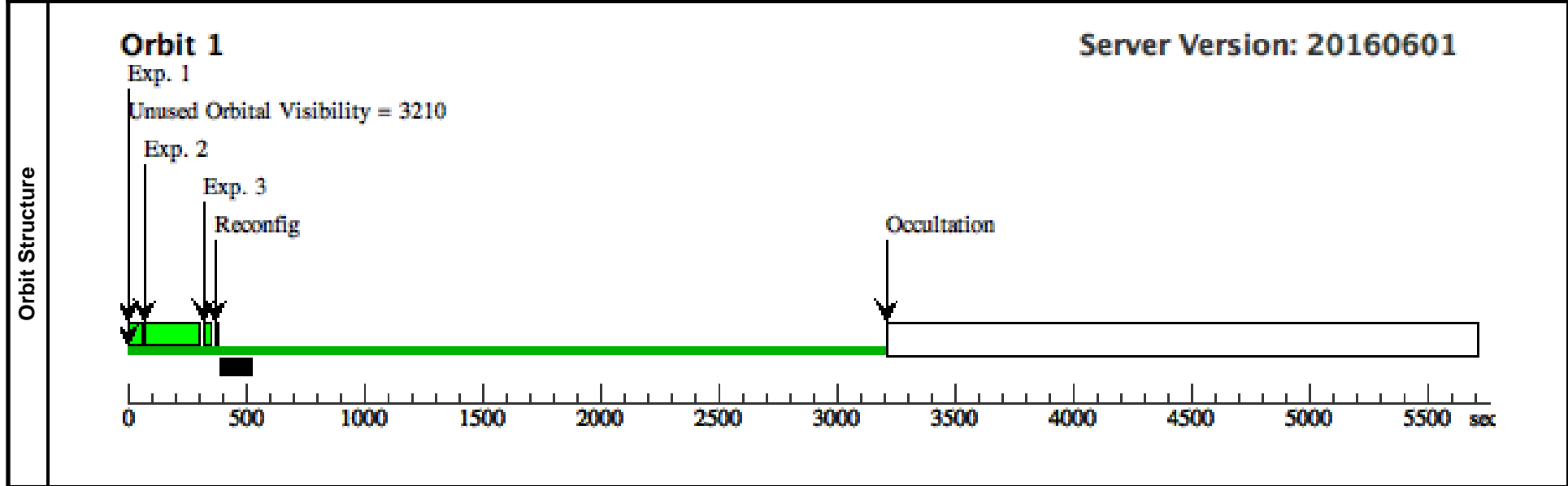
Proposal 14529 - bowtie check/fix (C3) - WFC3 UVIS Anneal

Wed Sep 07 21:29:13 GMT 2016

Visit	<p>Proposal 14529, bowtie check/fix (C3), implementation</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: (none)</p>
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Diagnostics	<p>(initial check (C3.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(neutralizer (C3.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(final check (C3.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p>
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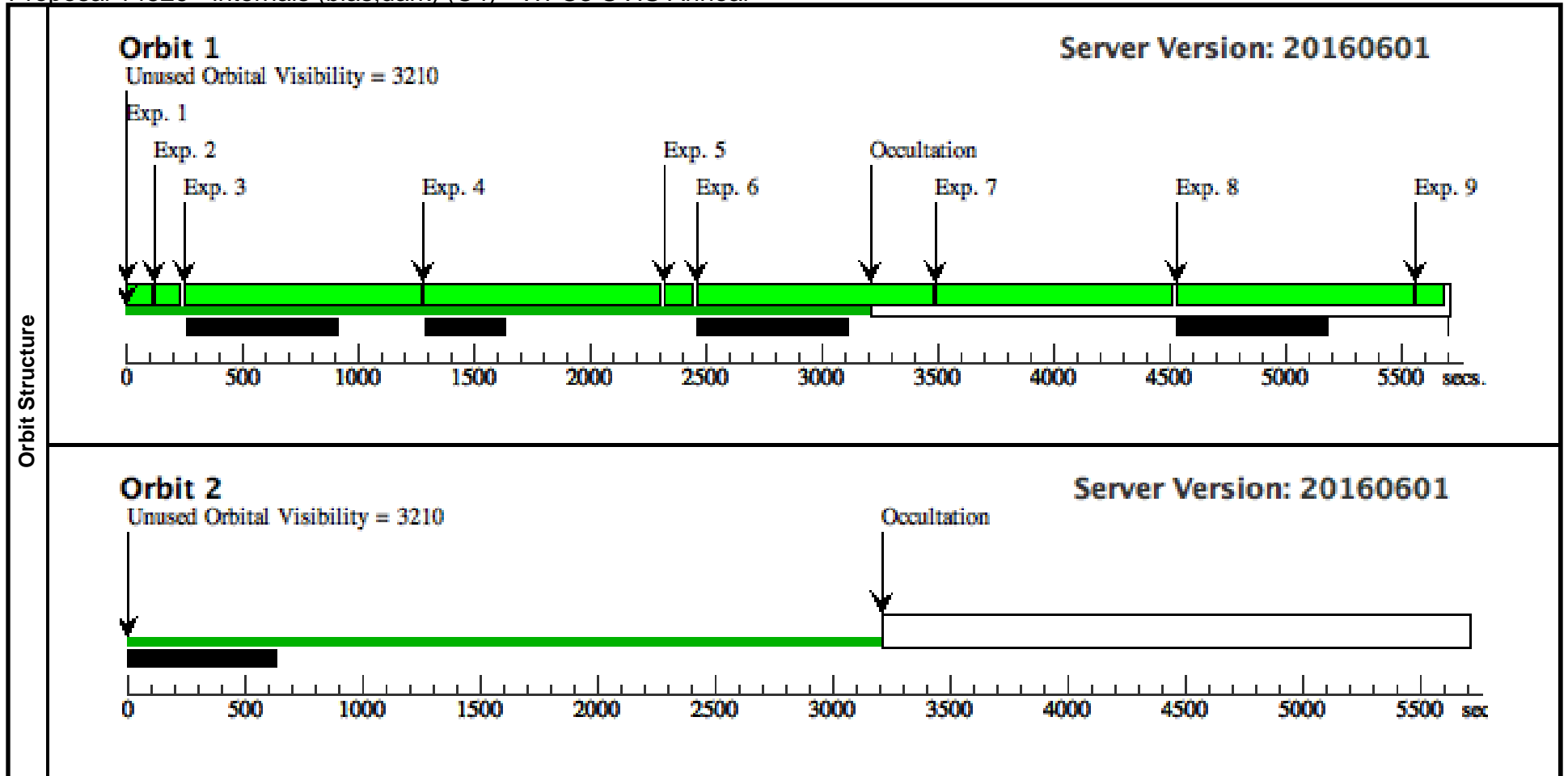
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	initial check	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F475X	BIN=3		Sequence 1-3 Non-Int in bowtie check/fix (C3)	1.0 Secs (1 Secs) [==>]	[1]
2	neutralizer	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F475X	BIN=3		Sequence 1-3 Non-Int in bowtie check/fix (C3)	200.0 Secs (200 Secs) [==>]	[1]
3	final check	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F475X	BIN=3		Sequence 1-3 Non-Int in bowtie check/fix (C3)	1.0 Secs (1 Secs) [==>]	[1]



Proposal 14529 - internals (bias,dark) (C4) - WFC3 UVIS Anneal

Wed Sep 07 21:29:13 GMT 2016

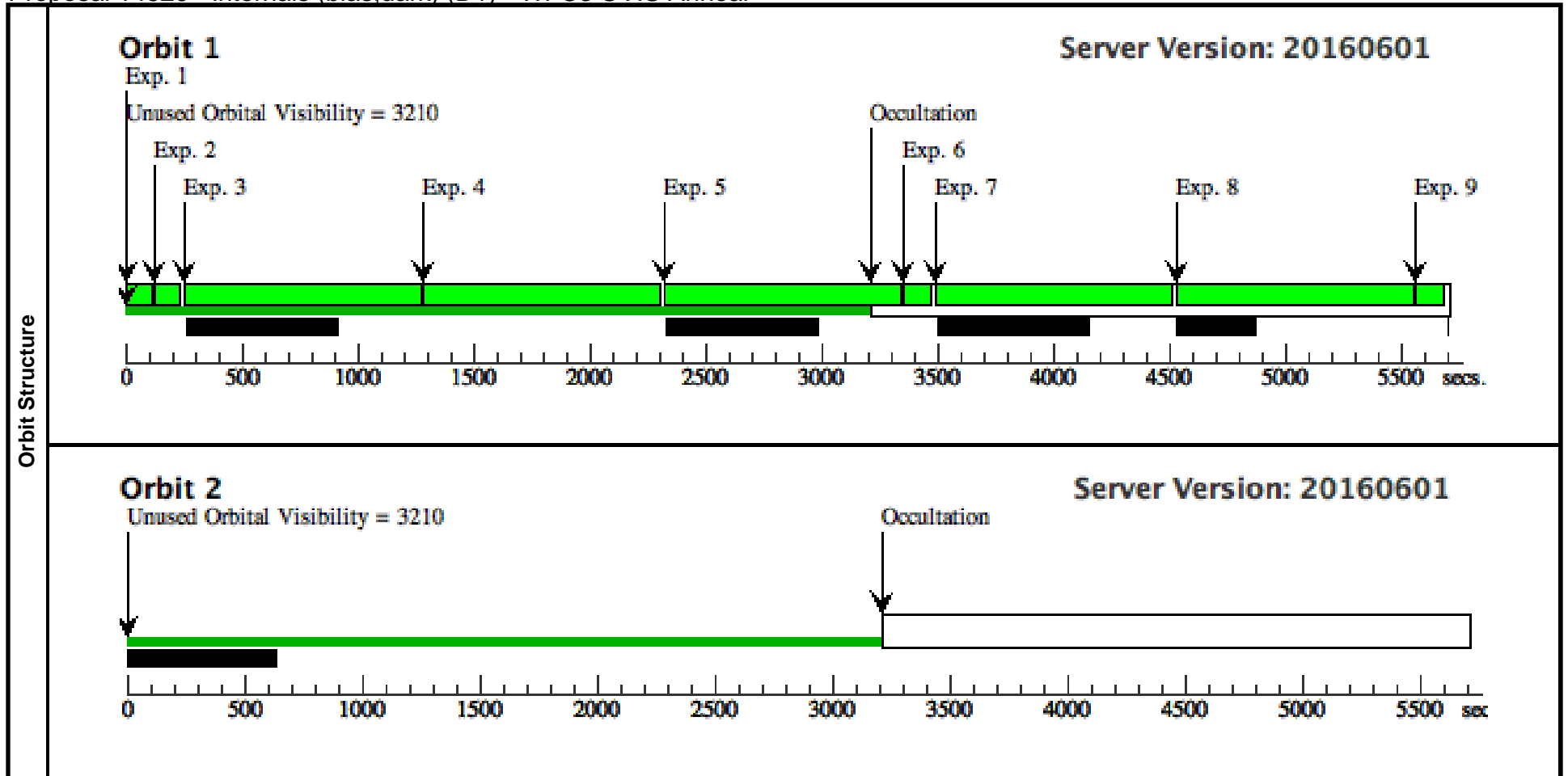
Visit	Proposal 14529, internals (bias,dark) (C4), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)										
	Diagnostics	(internals (bias,dark) (C4)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU									
Exposures		#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF					0.0 Secs (0 Secs)	
										[==>]	[1]
	2	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF					0.0 Secs (0 Secs)	
										[==>]	[1]
	3	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)	
										[==>]	[1]
	4	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)	
										[==>]	[1]
	5	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				0.5 Secs (0.5 Secs)	
									[==>]	[1]	
6	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)		
									[==>]	[1]	
7	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)		
									[==>]	[1]	
8	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)		
									[==>]	[1]	
9	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				0.5 Secs (0.5 Secs)		
									[==>]	[1]	



Proposal 14529 - internals (bias,dark) (D1) - WFC3 UVIS Anneal

Wed Sep 07 21:29:13 GMT 2016

Visit	Proposal 14529, internals (bias,dark) (D1), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 30-OCT-2017:00:00:00 AND 05-NOV-2017:23:59:59; SEQ D1,D2,D3,D4 WITHIN 72.0 H <i>Comments: No WFC3 UVIS science should be scheduled between visits; strongly prefer to have the visits scheduled back-to-back.</i>									
	Diagnosics (internals (bias,dark) (D1)) 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	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF				0.0 Secs (0 Secs)	
									[==>]	[1]
	2	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF				0.0 Secs (0 Secs)	
									[==>]	[1]
	3	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			900.0 Secs (900 Secs)	
									[==>]	[1]
	4	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			900.0 Secs (900 Secs)	
									[==>]	[1]
	5	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			900.0 Secs (900 Secs)	
								[==>]	[1]	
6	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			0.5 Secs (0.5 Secs)		
								[==>]	[1]	
7	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			900.0 Secs (900 Secs)		
								[==>]	[1]	
8	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			900.0 Secs (900 Secs)		
								[==>]	[1]	
9	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			0.5 Secs (0.5 Secs)		
								[==>]	[1]	



Visit	Proposal 14529, Oct 2017 2nd anneal procedure (D2), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3 Special Requirements: (none) <i>Comments: Using minimum default value + 1sec.</i>									
	Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]
1		Anneal	NONE	WFC3, ANNEAL		IRTEMP=COLD			0 Secs (0 Secs) [==>]	[1]
Orbit Structure	<p>Orbit 1 Server Version: 20160601</p> <p>Exp. 1</p> <p>Unused Orbital Visibility = 3210</p> <p>Occultation</p> <p>0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 sec</p>									
	This row is implicitly filled by the diagram content above									

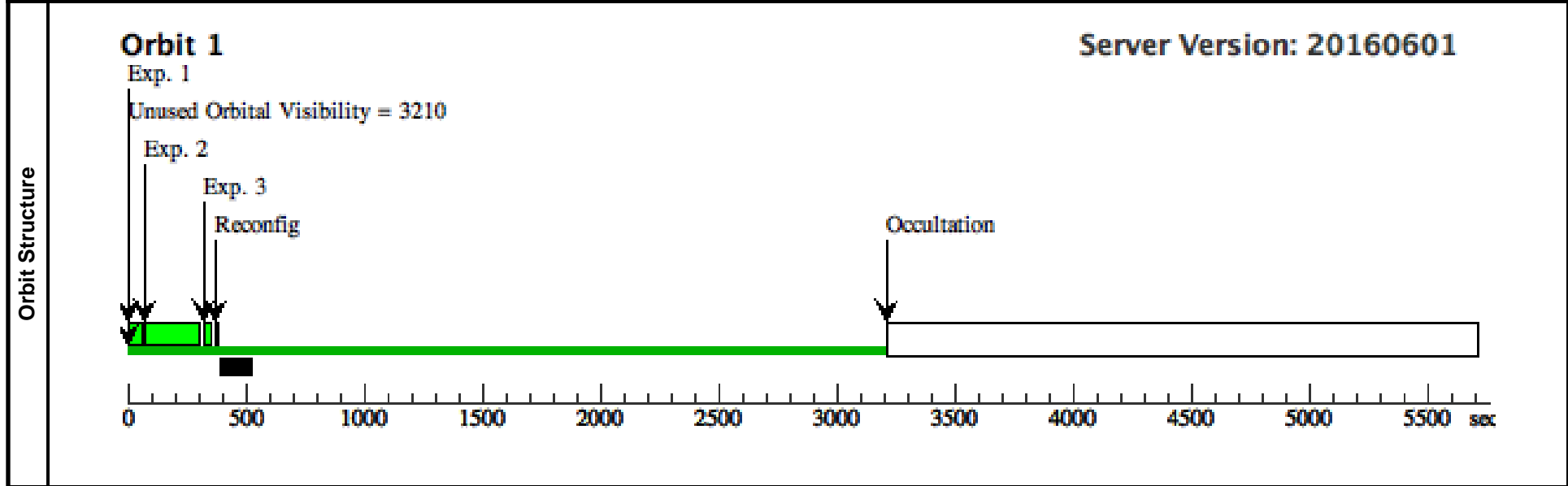
Proposal 14529 - bowtie check/fix (D3) - WFC3 UVIS Anneal

Wed Sep 07 21:29:13 GMT 2016

Visit	<p>Proposal 14529, bowtie check/fix (D3), implementation</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: (none)</p>
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Diagnostics	<p>(initial check (D3.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(neutralizer (D3.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(final check (D3.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p>
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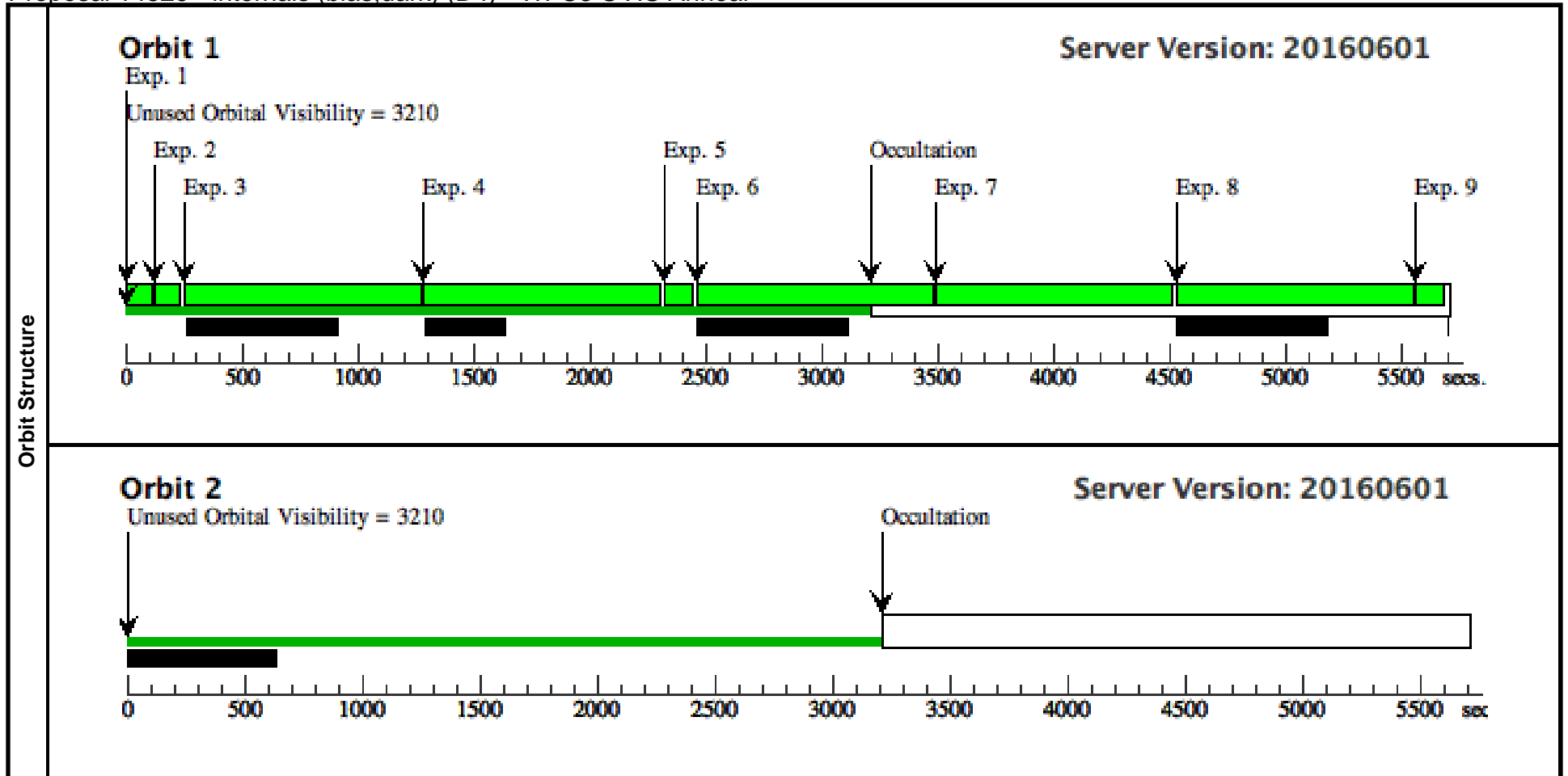
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	initial check	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F475X	BIN=3		Sequence 1-3 Non-Int in bowtie check/fix (D3)	1.0 Secs (1 Secs) [==>]	[1]
2	neutralizer	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F475X	BIN=3		Sequence 1-3 Non-Int in bowtie check/fix (D3)	200.0 Secs (200 Secs) [==>]	[1]
3	final check	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F475X	BIN=3		Sequence 1-3 Non-Int in bowtie check/fix (D3)	1.0 Secs (1 Secs) [==>]	[1]



Proposal 14529 - internals (bias,dark) (D4) - WFC3 UVIS Anneal

Wed Sep 07 21:29:13 GMT 2016

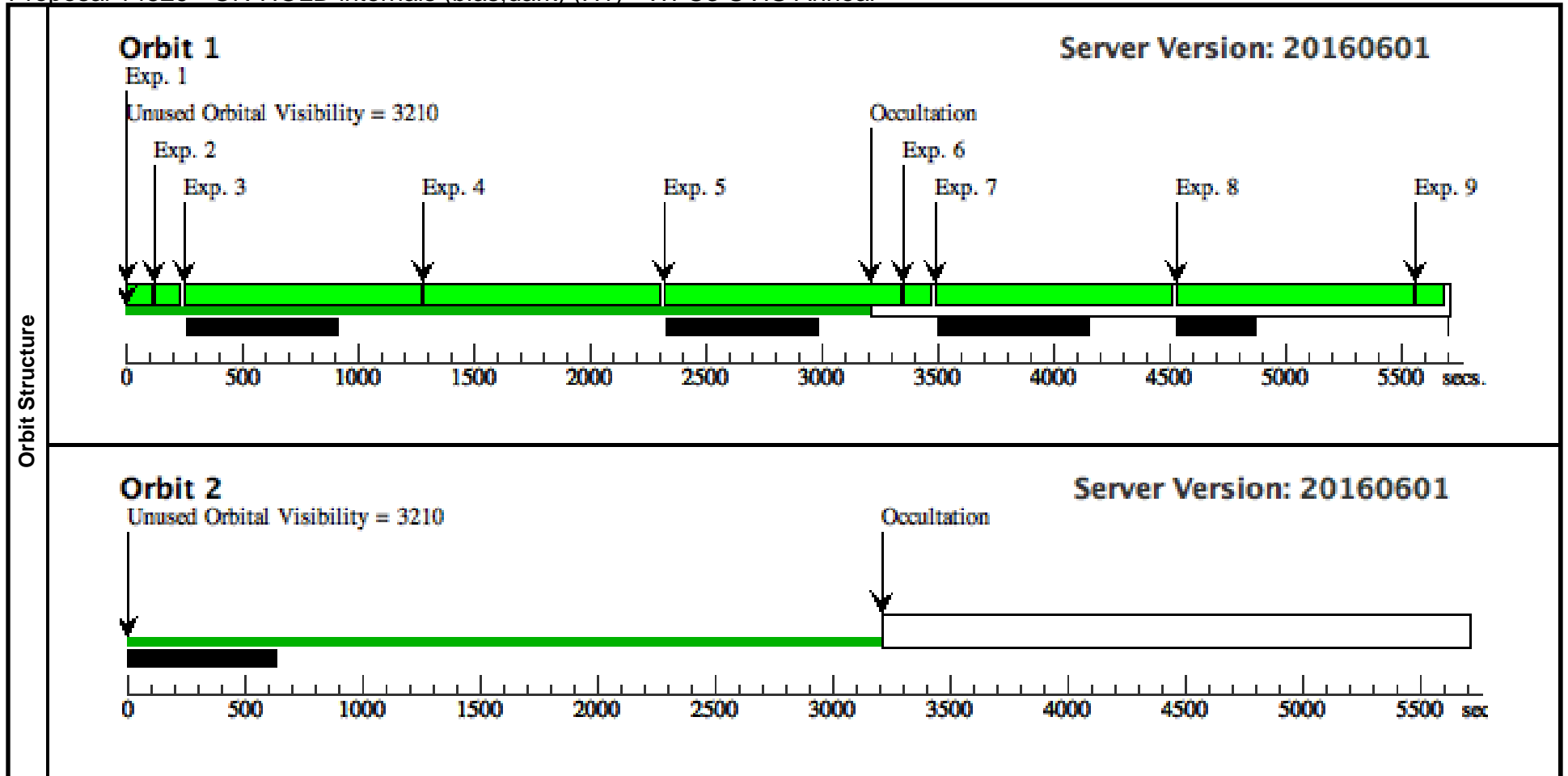
Visit	Proposal 14529, internals (bias,dark) (D4), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)										
	Diagnostics	(internals (bias,dark) (D4)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU									
Exposures		#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF					0.0 Secs (0 Secs)	
										[==>]	[1]
	2	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF					0.0 Secs (0 Secs)	
										[==>]	[1]
	3	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)	
										[==>]	[1]
	4	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)	
										[==>]	[1]
	5	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				0.5 Secs (0.5 Secs)	
									[==>]	[1]	
6	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)		
									[==>]	[1]	
7	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)		
									[==>]	[1]	
8	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)		
									[==>]	[1]	
9	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				0.5 Secs (0.5 Secs)		
									[==>]	[1]	



Proposal 14529 - ON-HOLD internals (bias,dark) (H1) - WFC3 UVIS Anneal

Wed Sep 07 21:29:13 GMT 2016

Visit	<p>Proposal 14529, ON-HOLD internals (bias,dark) (H1), implementation</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: SEQ H1,H2,H3,H4,H5 WITHIN 72.0 H; ON HOLD</p> <p><i>Comments: No WFC3 UVIS science should be scheduled between visits; strongly prefer to have the visits scheduled back-to-back.</i></p> <p><i>On Hold Comments: This anneal iteration performs the original procedure which includes a partial warming of the IR detector. If this iteration is required, it will be used instead of one of the currently-active IRTEMP=COLD anneals.</i></p>									
	<p>(ON-HOLD internals (bias,dark) (H1)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU</p>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF				0.0 Secs (0 Secs) [==>]	[1]
	2	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF				0.0 Secs (0 Secs) [==>]	[1]
	3	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			900.0 Secs (900 Secs) [==>]	[1]
	4	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			900.0 Secs (900 Secs) [==>]	[1]
	5	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			900.0 Secs (900 Secs) [==>]	[1]
	6	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			0.5 Secs (0.5 Secs) [==>]	[1]
	7	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			900.0 Secs (900 Secs) [==>]	[1]
	8	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			900.0 Secs (900 Secs) [==>]	[1]
	9	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.			0.5 Secs (0.5 Secs) [==>]	[1]



Proposal 14529 - ON-HOLD IR warm anneal (H2) - WFC3 UVIS Anneal

Wed Sep 07 21:29:13 GMT 2016

Visit	Proposal 14529, ON-HOLD IR warm anneal (H2), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3 Special Requirements: (none) Comments: Using minimum default value + 1sec.									
	Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]
1		Anneal	NONE	WFC3, ANNEAL		IRTEMP=WARM				0 Secs (0 Secs) [==>]
Orbit Structure	<p>Orbit 1 Server Version: 20160601</p> <p>Exp. 1</p> <p>Unused Orbital Visibility = 3210</p> <p>Occultation</p> <p>0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 sec</p>									

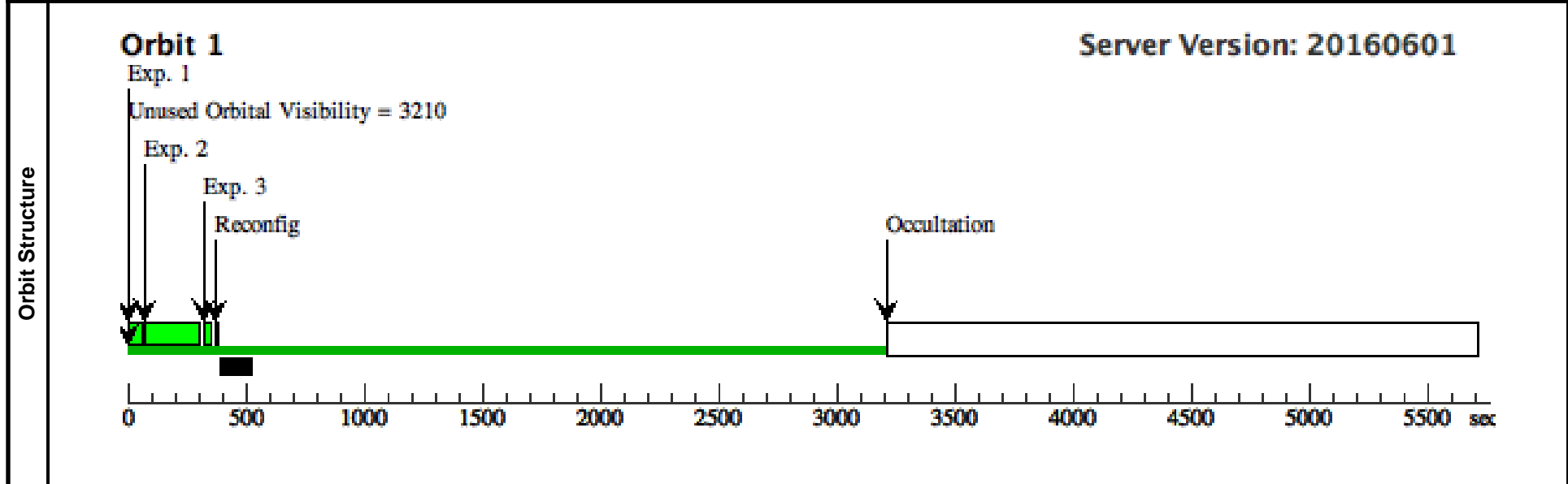
Proposal 14529 - ON-HOLD bowtie check/fix (H3) - WFC3 UVIS Anneal

Wed Sep 07 21:29:13 GMT 2016

Visit	Proposal 14529, ON-HOLD bowtie check/fix (H3), implementation									
	Diagnostic Status: Warning									
	Scientific Instruments: WFC3/UVIS									
	Special Requirements: (none)									

Diagnostics	(initial check (H3.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
	(neutralizer (H3.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
	(final check (H3.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									

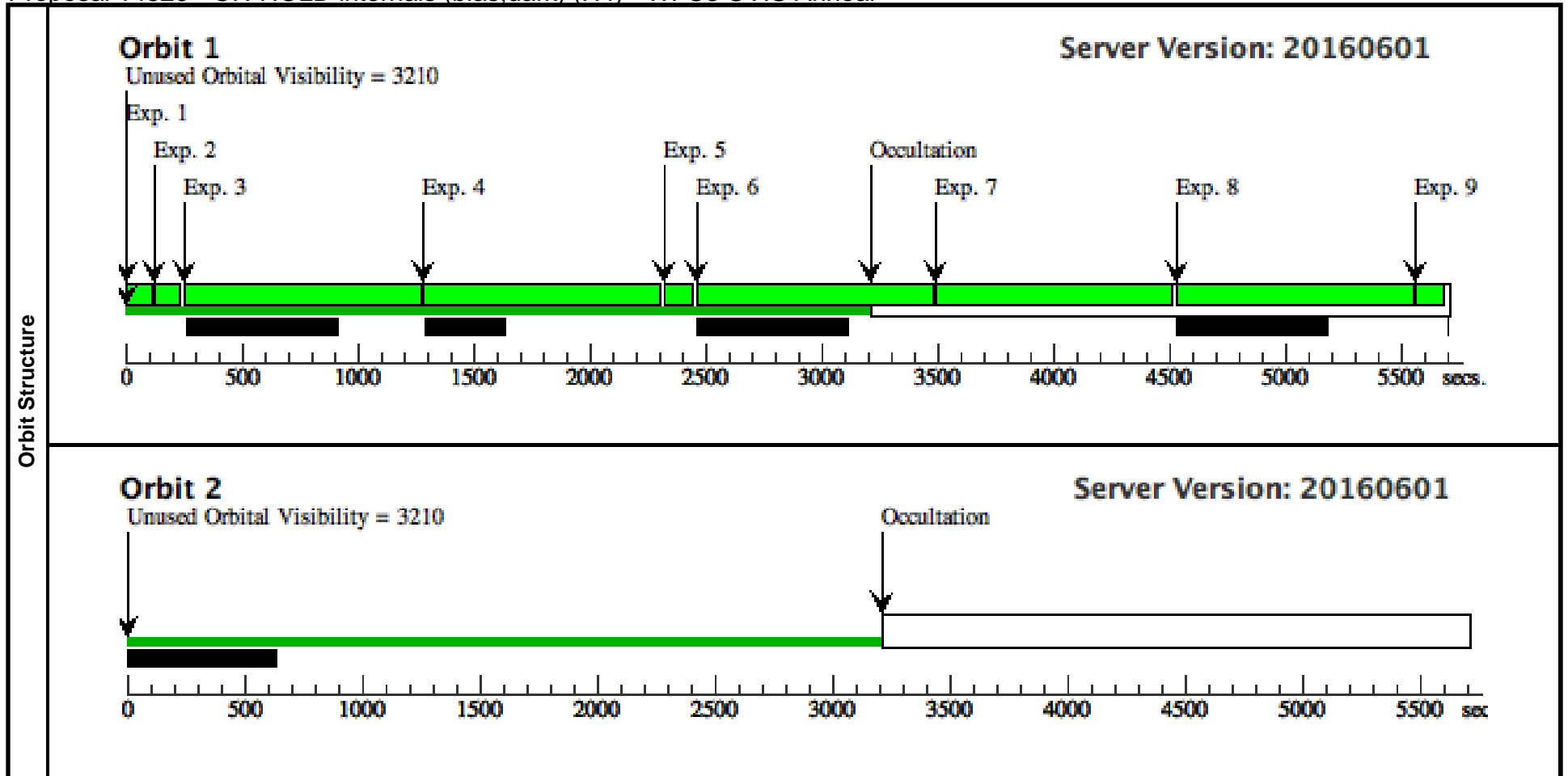
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	initial check	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F475X	BIN=3		Sequence 1-3 Non-Int in ON-HOLD bowtie check/fix (H3)	1.0 Secs (1 Secs) [==>]	[1]
	2	neutralizer	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F475X	BIN=3		Sequence 1-3 Non-Int in ON-HOLD bowtie check/fix (H3)	200.0 Secs (200 Secs) [==>]	[1]
	3	final check	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F475X	BIN=3		Sequence 1-3 Non-Int in ON-HOLD bowtie check/fix (H3)	1.0 Secs (1 Secs) [==>]	[1]



Proposal 14529 - ON-HOLD internals (bias,dark) (H4) - WFC3 UVIS Anneal

Wed Sep 07 21:29:13 GMT 2016

Visit	Proposal 14529, ON-HOLD internals (bias,dark) (H4), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: (none)										
	Diagnostics	(ON-HOLD internals (bias,dark) (H4)) 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	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF					0.0 Secs (0 Secs)	
										[==>]	[1]
	2	Bias - no PF	BIAS	WFC3/UVIS, ACCUM, UVIS	DEF					0.0 Secs (0 Secs)	
										[==>]	[1]
	3	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)	
										[==>]	[1]
	4	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)	
										[==>]	[1]
	5	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				0.5 Secs (0.5 Secs)	
									[==>]	[1]	
6	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)		
									[==>]	[1]	
7	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)		
									[==>]	[1]	
8	Dark	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				900.0 Secs (900 Secs)		
									[==>]	[1]	
9	Bias - PF	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASH=12.				0.5 Secs (0.5 Secs)		
									[==>]	[1]	



Proposal 14529 - ON-HOLD IR dark (H5) - WFC3 UVIS Anneal

Wed Sep 07 21:29:13 GMT 2016

Visit	Proposal 14529, ON-HOLD IR dark (H5), implementation									
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: WFC3/IR									
	Special Requirements: (none)									

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	IR dark	DARK	WFC3/IR, MULTIACCUM, IR	BLANK	SAMP-SEQ=SPARS 50; NSAMP=15				702.938605 Secs (702.939 Secs) [==>]

