



17951 - WFC3 UVIS CCD Gain Stability

Cycle: 33, Proposal Category: CAL/WFC3

(Availability Mode: RESTRICTED)

INVESTIGATORS

<i>Name</i>	<i>Institution</i>
Ky Huynh (PI) (Contact)	Space Telescope Science Institute
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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	TUNGSTEN	WFC3/UVIS	1	16-Jul-2025 16:00:15.0	yes
02	TUNGSTEN	WFC3/UVIS	1	16-Jul-2025 16:00:16.0	yes
03	TUNGSTEN	WFC3/UVIS	1	16-Jul-2025 16:00:16.0	yes
04	TUNGSTEN	WFC3/UVIS	1	16-Jul-2025 16:00:17.0	yes
05	TUNGSTEN	WFC3/UVIS	1	16-Jul-2025 16:00:17.0	yes
06	TUNGSTEN	WFC3/UVIS	1	16-Jul-2025 16:00:17.0	yes
07	TUNGSTEN	WFC3/UVIS	1	16-Jul-2025 16:00:18.0	yes
08	TUNGSTEN	WFC3/UVIS	1	16-Jul-2025 16:00:18.0	yes
09	TUNGSTEN	WFC3/UVIS	1	16-Jul-2025 16:00:18.0	yes
10	TUNGSTEN	WFC3/UVIS	1	16-Jul-2025 16:00:19.0	yes
11	TUNGSTEN	WFC3/UVIS	1	16-Jul-2025 16:00:19.0	yes
12	TUNGSTEN	WFC3/UVIS	1	16-Jul-2025 16:00:20.0	yes
13	TUNGSTEN	WFC3/UVIS	1	16-Jul-2025 16:00:21.0	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>
14	TUNGSTEN	WFC3/UVIS	1	16-Jul-2025 16:00:21.0	yes
15	TUNGSTEN	WFC3/UVIS	1	16-Jul-2025 16:00:21.0	yes
16	TUNGSTEN	WFC3/UVIS	1	16-Jul-2025 16:00:22.0	yes
17	TUNGSTEN	WFC3/UVIS	1	16-Jul-2025 16:00:22.0	yes
18	TUNGSTEN	WFC3/UVIS	1	16-Jul-2025 16:00:22.0	yes

18 Total Orbits Used

ABSTRACT

This program is designed to obtain absolute gain data for every quadrant (A, B, C, and D) of the WFC3/UVIS detector to continue tracking the gain stability. This is a recurring CAL program, first started in Cycle 17, which allows us to measure both long and short term gain stability. As in previous cycles, we again take both binned (2x2 and 3x3), and un-binned gain measurements.

OBSERVING DESCRIPTION

8 full frame pairs of internal flat fields are obtained to measure the readout for every detector quadrant (ABCD, gain=1.5 e-/DN, with binning bin=2,3,NONE). Utilizing the tungsten lamp to illuminate the detector and the F645N filter we use specific exposure times with the different apertures and bins to reach ~500 - 50,000 e-. We try to cover the bulk of science/GO observing modes with our observations.

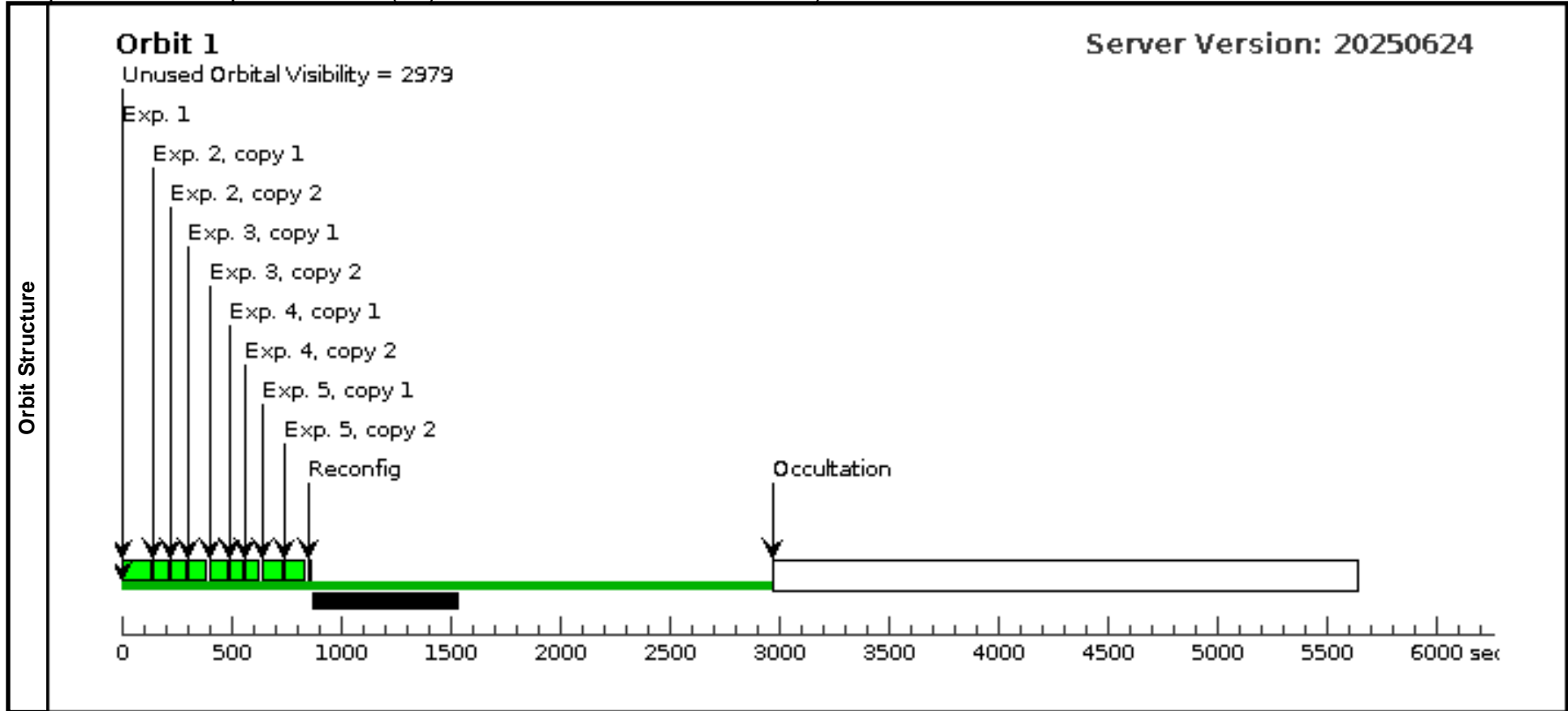
This program requires 18 internal orbits taken at two different epochs separated by 6 months (9 orbits per epoch). We employ subarray and full frame exposures to measure the gain variability in each UVIS quadrant and across the full detector. Previous calibration proposals to study absolute gain include: 11906, 12364,

Proposal 17951 (STScI Edit Number: 0, Created: Wednesday, July 16, 2025, 3:00:23PM Eastern Standard Time) - Overview
12690, 13168, 13561, 14007, 14536, 14985, 15574, 15719, 16399, 16571,
17007, 17352, and 17672; all of which have provided consistent results.

Proposal 17951 - Epoch 1 Bin=2 (01) - WFC3 UVIS CCD Gain Stability

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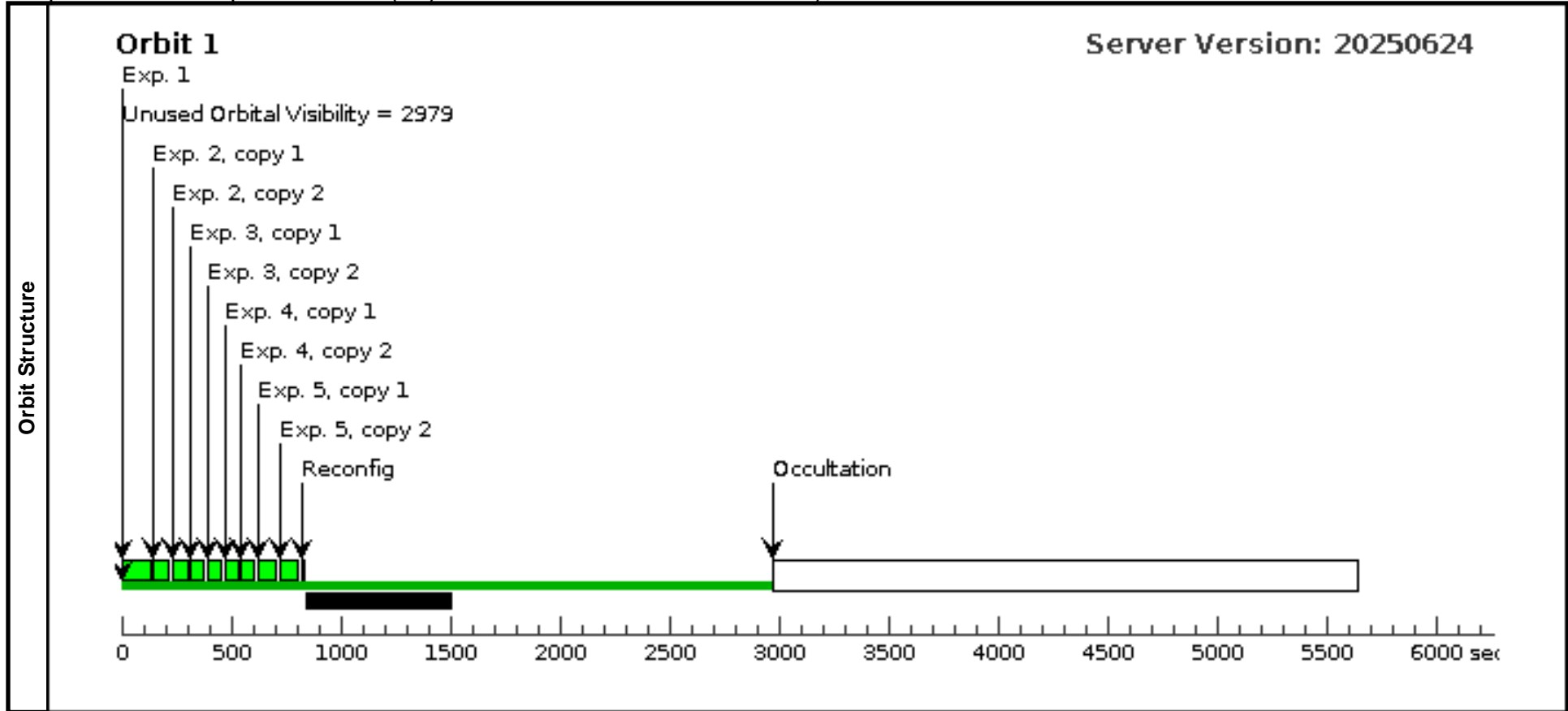
Visit	Proposal 17951, Epoch 1 Bin=2 (01) Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 01-DEC-2025:00:00:00 AND 31-DEC-2025:00:00:00 Comments: BIN=2										
	Diagnostics	(subarray for lamp warmup (01.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Flat4 (01.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Flat6 (01.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Flat1 (01.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Flat8 (01.005)) 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	subarray for lamp warmup	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F645N				Sequence 1-5 Non-Int in Epoch 1 Bin=2 (01)	60 Secs (60 Secs) [==>]	[1]
	2	Flat4	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5; BIN=2			Sequence 1-5 Non-Int in Epoch 1 Bin=2 (01)	6.0 Secs X 2 (12 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	3	Flat6	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5; BIN=2			Sequence 1-5 Non-Int in Epoch 1 Bin=2 (01)	17.0 Secs X 2 (34 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	4	Flat1	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5; BIN=2			Sequence 1-5 Non-Int in Epoch 1 Bin=2 (01)	0.5 Secs X 2 (1 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	5	Flat8	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5; BIN=2			Sequence 1-5 Non-Int in Epoch 1 Bin=2 (01)	30.0 Secs X 2 (60 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]



Proposal 17951 - Epoch 1 Bin=2 (02) - WFC3 UVIS CCD Gain Stability

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Visit	Proposal 17951, Epoch 1 Bin=2 (02) Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 01-DEC-2025:00:00:00 AND 31-DEC-2025:00:00:00 <i>Comments: BIN=2</i>									
	Diagnosics (subarray for lamp warmup (02.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Flat5 (02.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Flat2 (02.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Flat3 (02.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Flat7 (02.005)) 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	subarray for lamp warmup	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F645N			Sequence 1-5 Non-Int in Epoch 1 Bin=2 (02)	60 Secs (60 Secs) [==>]	[1]
	2	Flat5	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5; BIN=2		Sequence 1-5 Non-Int in Epoch 1 Bin=2 (02)	11.0 Secs X 2 (22 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	3	Flat2	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5; BIN=2		Sequence 1-5 Non-Int in Epoch 1 Bin=2 (02)	1.0 Secs X 2 (2 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	4	Flat3	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5; BIN=2		Sequence 1-5 Non-Int in Epoch 1 Bin=2 (02)	2.0 Secs X 2 (4 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	5	Flat7	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5; BIN=2		Sequence 1-5 Non-Int in Epoch 1 Bin=2 (02)	24.0 Secs X 2 (48 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]



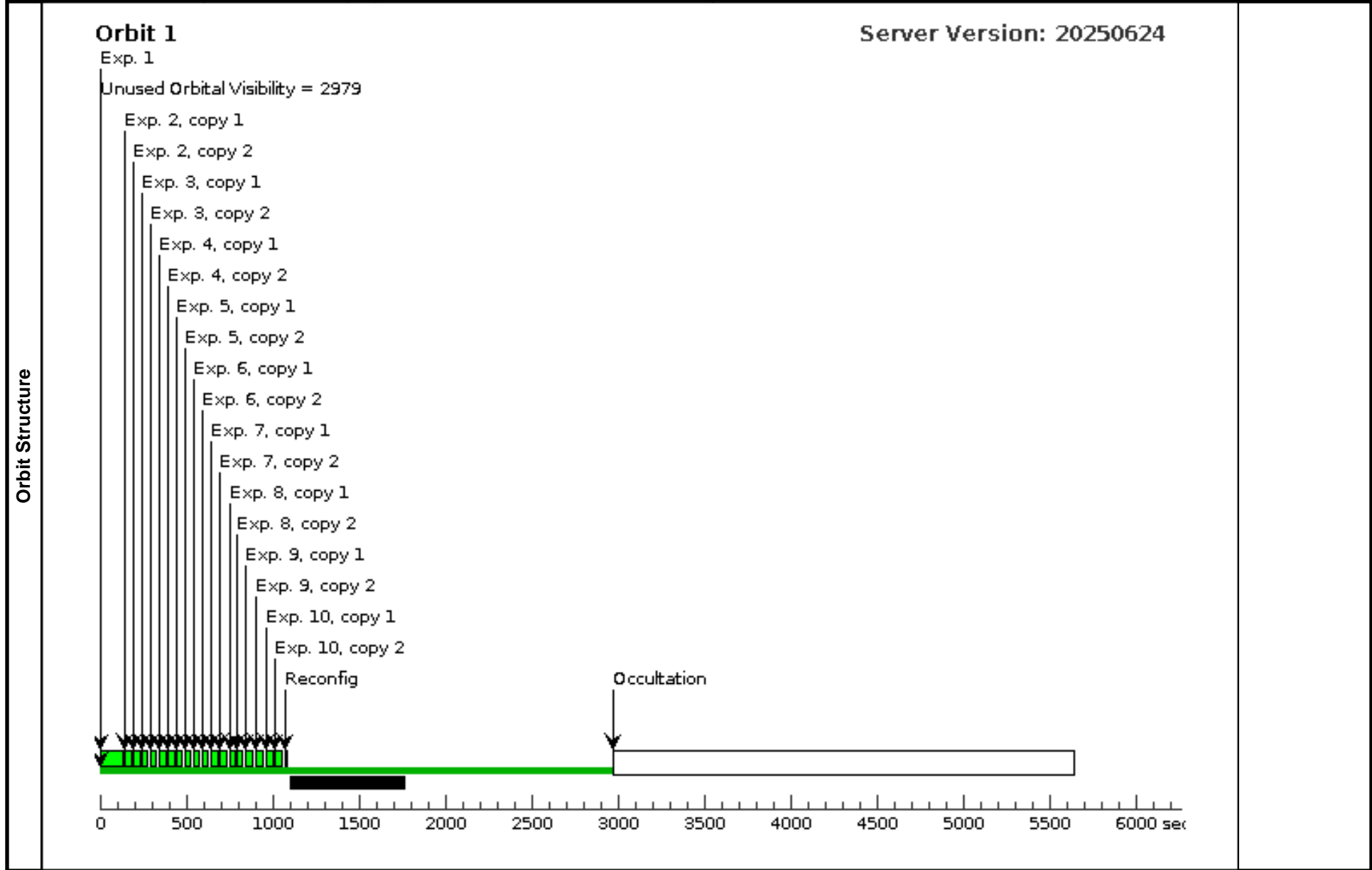
Proposal 17951 - Epoch 1 Bin=3 (03) - WFC3 UVIS CCD Gain Stability

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Visit	<p>Proposal 17951, Epoch 1 Bin=3 (03)</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: BETWEEN 01-DEC-2025:00:00:00 AND 31-DEC-2025:00:00:00</p> <p><i>Comments: BIN=3</i></p>
Diagnostics	<p>(subarray for lamp warmup (03.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Flat1 (03.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Flat2 (03.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Flat3 (03.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Flat4 (03.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Flat5 (03.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Flat6 (03.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Flat7 (03.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Flat8 (03.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Flat9 (03.010)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p>

Proposal 17951 - Epoch 1 Bin=3 (03) - WFC3 UVIS CCD Gain Stability

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	subarray for lamp warmup	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F645N				Sequence 1-10 Non-Int in Epoch 1 Bin=3 (03)	60 Secs (60 Secs) [==>]	[1]
	2	Flat1	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5; BIN=3			Sequence 1-10 Non-Int in Epoch 1 Bin=3 (03)	5.0 Secs X 2 (10 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	3	Flat2	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5; BIN=3			Sequence 1-10 Non-Int in Epoch 1 Bin=3 (03)	1.0 Secs X 2 (2 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	4	Flat3	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5; BIN=3			Sequence 1-10 Non-Int in Epoch 1 Bin=3 (03)	7.0 Secs X 2 (14 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	5	Flat4	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5; BIN=3			Sequence 1-10 Non-Int in Epoch 1 Bin=3 (03)	3.0 Secs X 2 (6 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	6	Flat5	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5; BIN=3			Sequence 1-10 Non-Int in Epoch 1 Bin=3 (03)	0.5 Secs X 2 (1 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	7	Flat6	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5; BIN=3			Sequence 1-10 Non-Int in Epoch 1 Bin=3 (03)	9.0 Secs X 2 (18 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	8	Flat7	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5; BIN=3			Sequence 1-10 Non-Int in Epoch 1 Bin=3 (03)	2.0 Secs X 2 (4 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	9	Flat8	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5; BIN=3			Sequence 1-10 Non-Int in Epoch 1 Bin=3 (03)	11.0 Secs X 2 (22 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
10	Flat9	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5; BIN=3			Sequence 1-10 Non-Int in Epoch 1 Bin=3 (03)	13.0 Secs X 2 (26 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]	



Proposal 17951 - Epoch 1 (04) - WFC3 UVIS CCD Gain Stability

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Visit	Proposal 17951, Epoch 1 (04) Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 01-DEC-2025:00:00:00 AND 31-DEC-2025:00:00:00 <i>Comments: Epoch 1, nominal detector readout configuration: ABCD, gain=1.5 e-/DN, bin=NONE</i>									
	(subarray for lamp warm up (04.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Flat8 (04.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
Diagnosics										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	subarray for lamp warm up	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F645N			Sequence 1-2 Non-Int in Epoch 1 (04)	60 Secs (60 Secs) [==>]	[1]
2	Flat8	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5		Sequence 1-2 Non-Int in Epoch 1 (04)	105.0 Secs X 2 (210 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]	
Orbit Structure	<p>Orbit 1 Server Version: 20250624</p> <p>Unused Orbital Visibility = 2979</p> <p>The diagram shows a horizontal timeline from 0 to 6000 seconds. Key events are marked with arrows: Exp. 1 (0-60s), Exp. 2, copy 1 (60-105s), Exp. 2, copy 2 (105-210s), Reconfig (210-270s), and Occultation (3000-5600s). The timeline is divided into segments: a green segment from 0 to 270s, a black segment from 270 to 3000s, and a white segment from 3000 to 5600s.</p>									

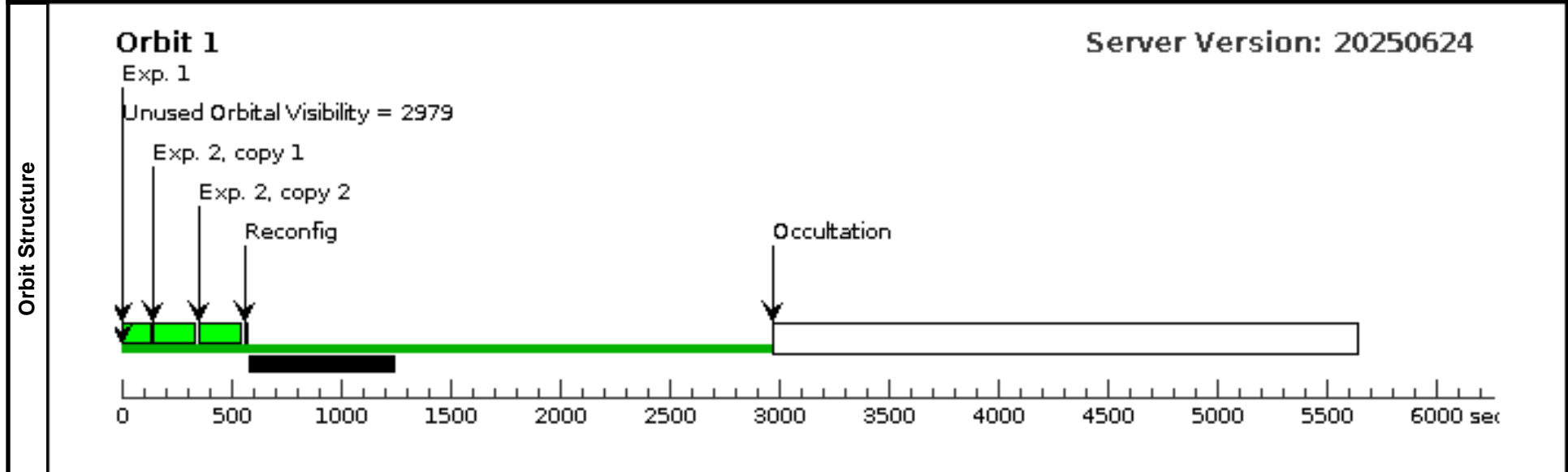
Proposal 17951 - Epoch 1 (05) - WFC3 UVIS CCD Gain Stability

Wed Jul 16 20:00:23 GMT 2025

Visit	<p>Proposal 17951, Epoch 1 (05)</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: BETWEEN 01-DEC-2025:00:00:00 AND 31-DEC-2025:00:00:00</p> <p><i>Comments: Epoch 1, nominal detector readout configuration: ABCD, gain=1.5 e-/DN, bin=NONE</i></p>
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Diagnostics	<p>(Subarray for lamp warm up (05.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Flat7 (05.002)) 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	Subarray for lamp warm up	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F645N			Sequence 1-2 Non-Int in Epoch 1 (05)	60 Secs (60 Secs) [==>]	[1]
2	Flat7	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5		Sequence 1-2 Non-Int in Epoch 1 (05) [==>(Copy 1)] [==>(Copy 2)]	80.0 Secs X 2 (160 Secs) [1]	



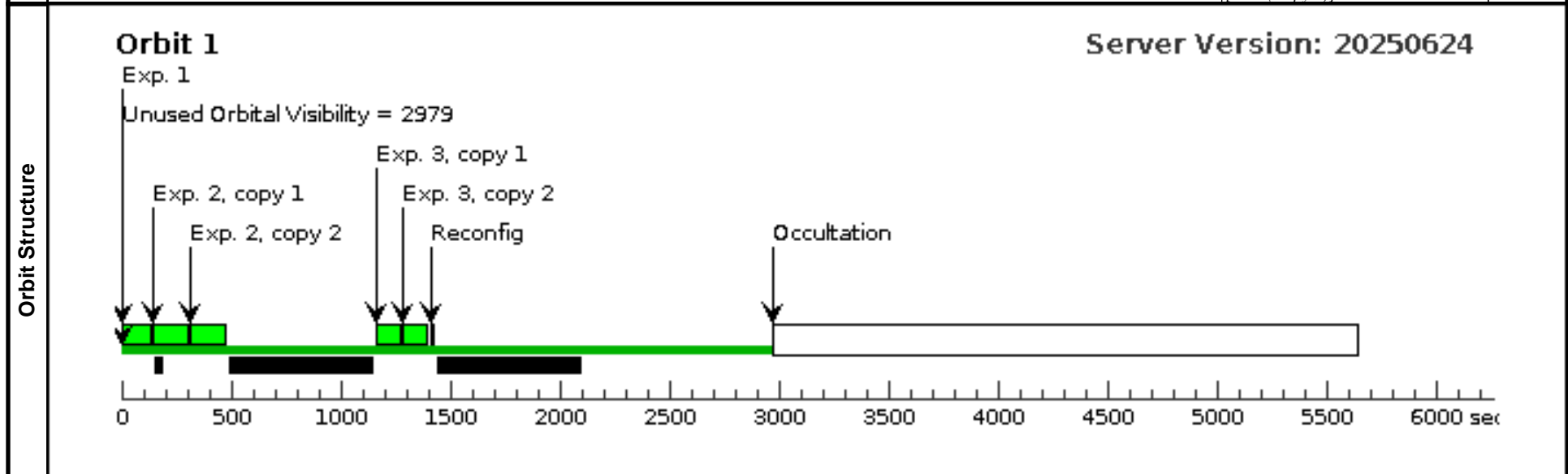
Proposal 17951 - Epoch 1 (06) - WFC3 UVIS CCD Gain Stability

Wed Jul 16 20:00:23 GMT 2025

Visit	<p>Proposal 17951, Epoch 1 (06)</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: BETWEEN 01-DEC-2025:00:00:00 AND 31-DEC-2025:00:00:00</p> <p><i>Comments: Epoch 1, nominal detector readout configuration: ABCD, gain=1.5 e-/DN, bin=NONE</i></p>
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Diagnostics	<p>(Epoch 1 (06)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB VISIT</p> <p>(Subarray for lamp warm up (06.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Flat6 (06.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Flat1 (06.003)) 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	Subarray for lamp warm up	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F645N				Sequence 1-3 Non-Int in Epoch 1 (06)	60 Secs (60 Secs) [==>]
2	Flat6	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5			Sequence 1-3 Non-Int in Epoch 1 (06)	45.0 Secs X 2 (90 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
3	Flat1	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5			Sequence 1-3 Non-Int in Epoch 1 (06)	1.0 Secs X 2 (2 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]



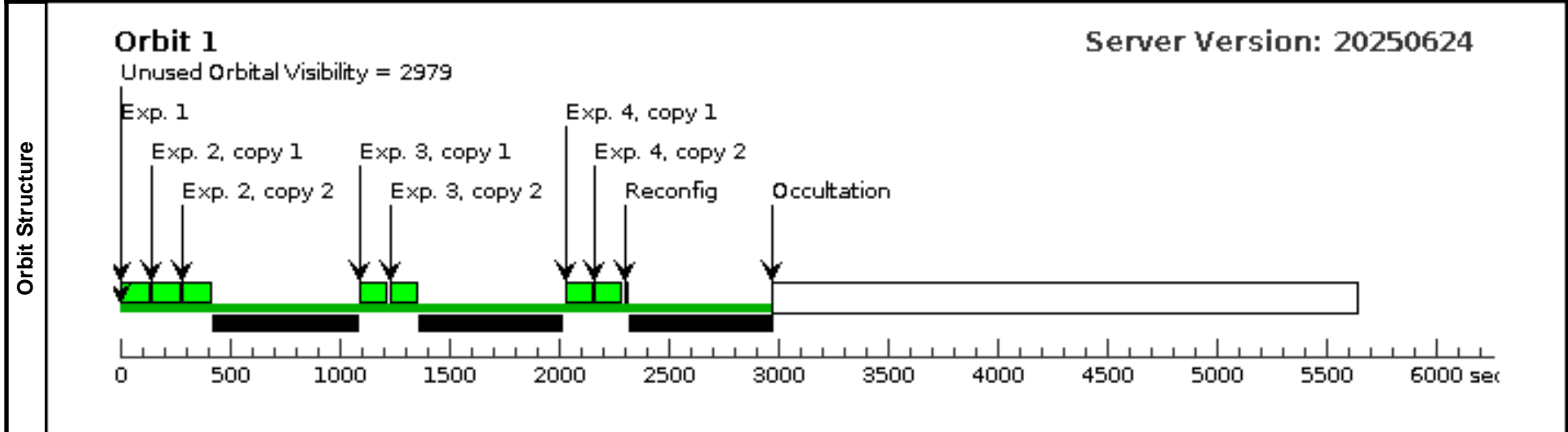
Proposal 17951 - Epoch 1 (07) - WFC3 UVIS CCD Gain Stability

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Visit	Proposal 17951, Epoch 1 (07) Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 01-DEC-2025:00:00:00 AND 31-DEC-2025:00:00:00 <i>Comments: Epoch 1, nominal detector readout configuration: ABCD, gain=1.5 e-/DN, bin=NONE</i>
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Diagnostics	(Epoch 1 (07)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB VISIT
	(Subarray for lamp warm up (07.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
	(Flat4 (07.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
	(Flat3 (07.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
	(Flat3 (07.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Subarray for lamp warm up	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F645N			Sequence 1-4 Non-Int in Epoch 1 (07)	60 Secs (60 Secs) [==>]	[1]
2	Flat4	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5		Sequence 1-4 Non-Int in Epoch 1 (07)	12.0 Secs X 2 (24 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
3	Flat3	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5		Sequence 1-4 Non-Int in Epoch 1 (07)	5.0 Secs X 2 (10 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
4	Flat3	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5		Sequence 1-4 Non-Int in Epoch 1 (07)	7.0 Secs X 2 (14 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]



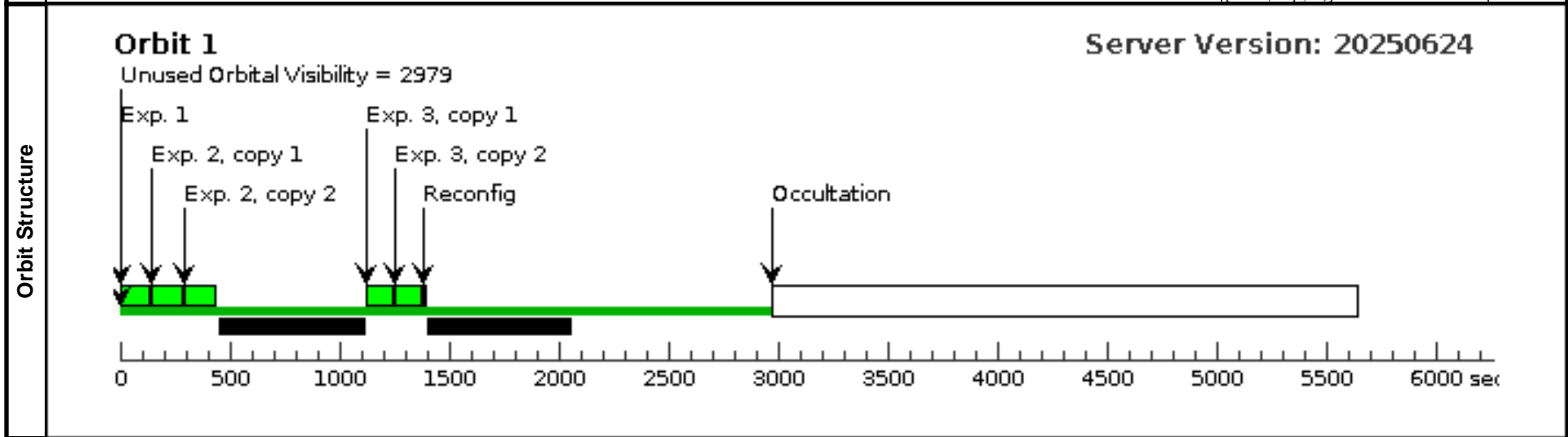
Proposal 17951 - Epoch 1 (08) - WFC3 UVIS CCD Gain Stability

Wed Jul 16 20:00:23 GMT 2025

Visit	<p>Proposal 17951, Epoch 1 (08)</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: BETWEEN 01-DEC-2025:00:00:00 AND 31-DEC-2025:00:00:00</p> <p><i>Comments: Epoch 1, nominal detector readout configuration: ABCD, gain=1.5 e-/DN, bin=NONE</i></p>
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Diagnostics	<p>(Epoch 1 (08)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB VISIT</p> <p>(Subarray for lamp warm up (08.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Flat5 (08.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Flat2 (08.003)) 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	Subarray for lamp warm up	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F645N			Sequence 1-3 Non-Int in Epoch 1 (08)	60.0 Secs (60 Secs) [==>]	[1]
2	Flat5	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5		Sequence 1-3 Non-Int in Epoch 1 (08)	25.0 Secs X 2 (50 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
3	Flat2	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5		Sequence 1-3 Non-Int in Epoch 1 (08)	2.0 Secs X 2 (4 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]



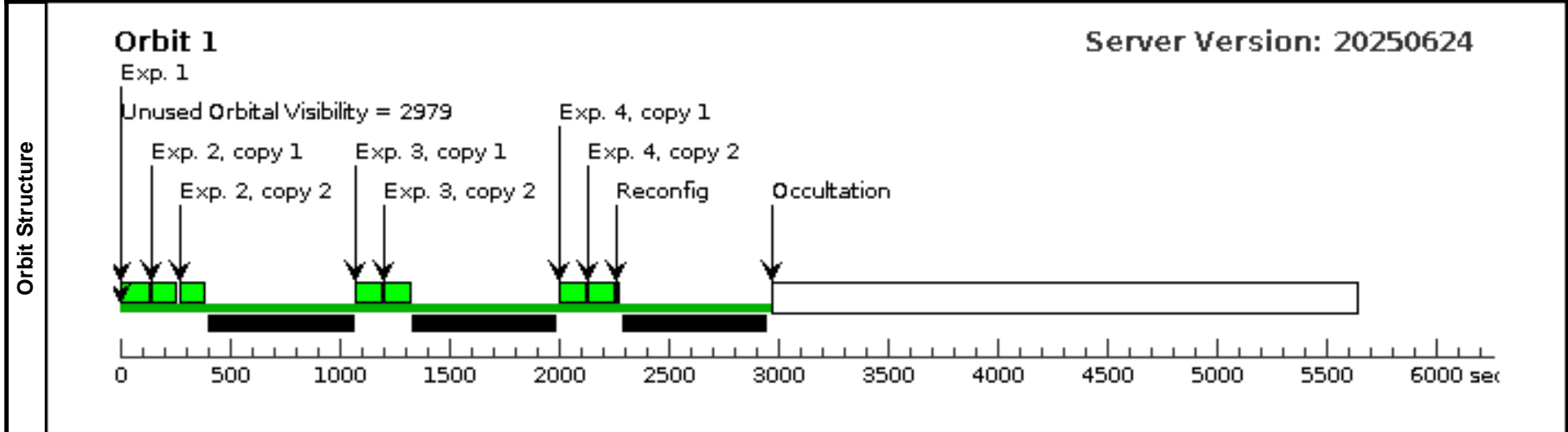
Proposal 17951 - Epoch 1 (09) - WFC3 UVIS CCD Gain Stability

Wed Jul 16 20:00:23 GMT 2025

Visit	<p>Proposal 17951, Epoch 1 (09)</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: BETWEEN 01-DEC-2025:00:00:00 AND 31-DEC-2025:00:00:00</p> <p><i>Comments: Epoch 1, nominal detector readout configuration: ABCD, gain=1.5 e-/DN, bin=NONE</i></p>
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Diagnostics	<p>(Epoch 1 (09)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB VISIT</p> <p>(Subarray for lamp warm up (09.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Exposure 2 (Sequence 1-4 Non-Int in Epoch 1 (09))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Exposure 3 (Sequence 1-4 Non-Int in Epoch 1 (09))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Exposure 4 (Sequence 1-4 Non-Int in Epoch 1 (09))) 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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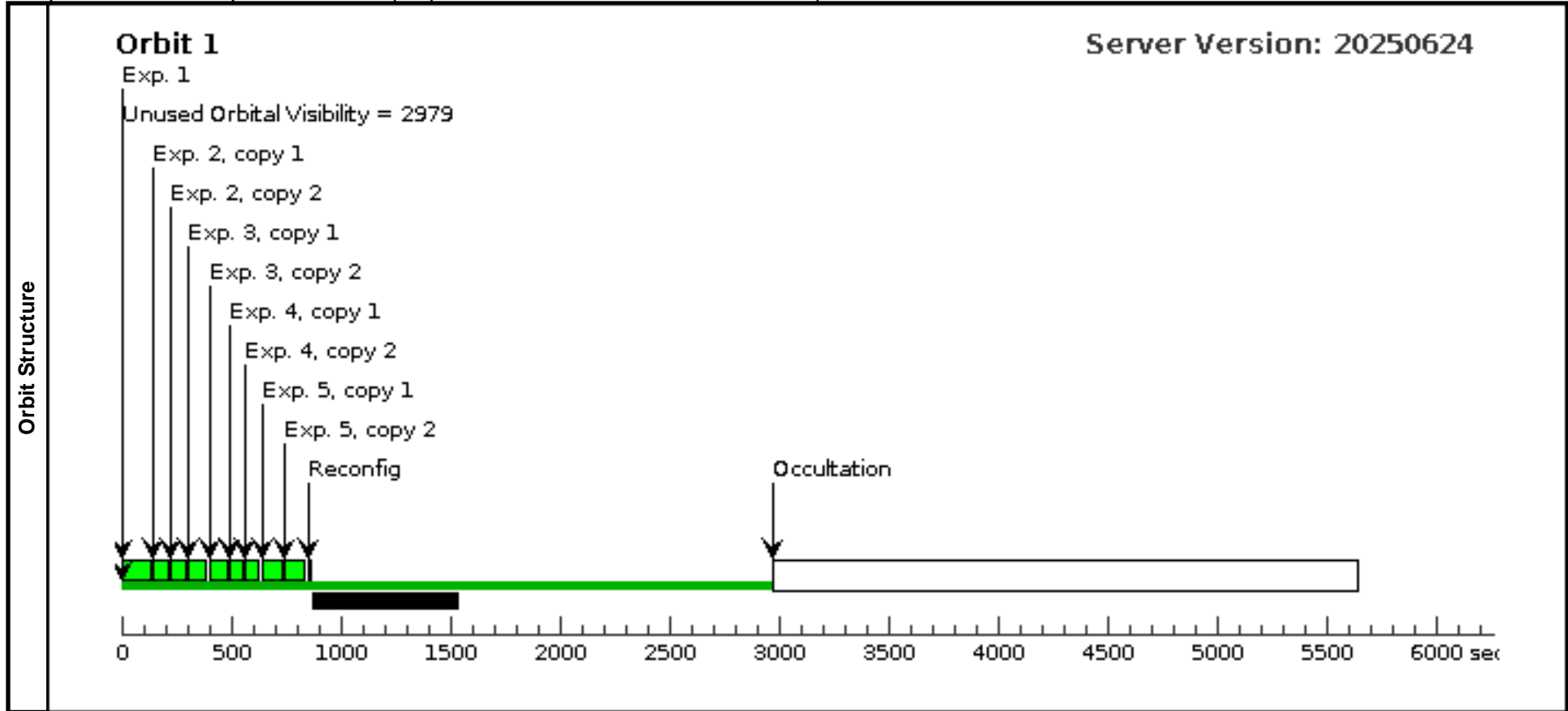
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Subarray for lamp warm up	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F645N			Sequence 1-4 Non-Int in Epoch 1 (09)	60 Secs (60 Secs) [==>]	[1]
2		TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5		Sequence 1-4 Non-Int in Epoch 1 (09)	0.5 Secs X 2 (1 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
3		TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5		Sequence 1-4 Non-Int in Epoch 1 (09)	1.5 Secs X 2 (3 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
4		TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5		Sequence 1-4 Non-Int in Epoch 1 (09)	3.5 Secs X 2 (7 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]



Proposal 17951 - Epoch 2 Bin=2 (10) - WFC3 UVIS CCD Gain Stability

Wed Jul 16 20:00:23 GMT 2025

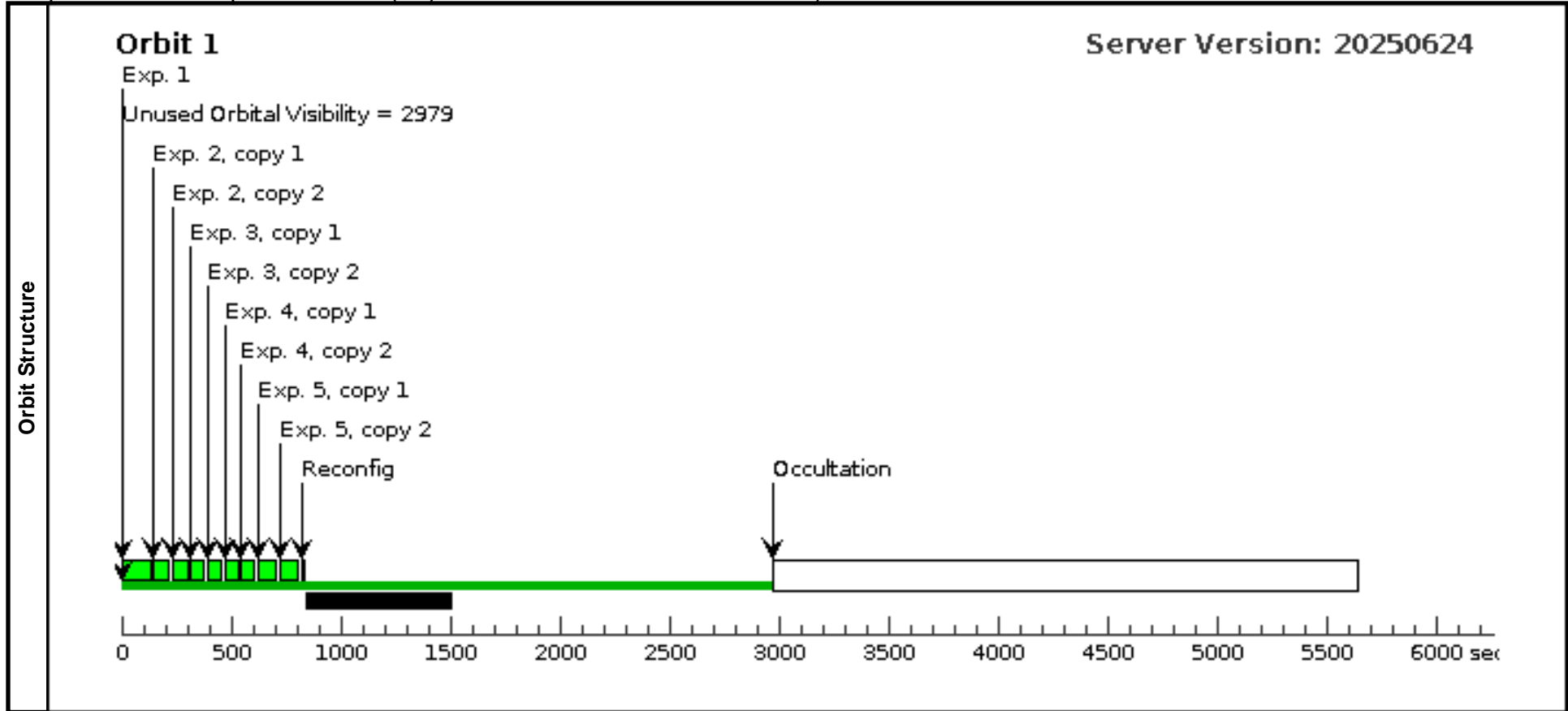
Visit	Proposal 17951, Epoch 2 Bin=2 (10) Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 01-JUN-2026:00:00:00 AND 30-JUN-2026:00:00:00 Comments: BIN=2									
	Diagnosics (subarray for lamp warmup (10.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Flat4 (10.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Flat6 (10.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Flat1 (10.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Flat8 (10.005)) 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	subarray for lamp warmup	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F645N			Sequence 1-5 Non-Int in Epoch 2 Bin=2 (10)	60 Secs (60 Secs) [==>]	[1]
	2	Flat4	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5; BIN=2		Sequence 1-5 Non-Int in Epoch 2 Bin=2 (10)	6.0 Secs X 2 (12 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	3	Flat6	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5; BIN=2		Sequence 1-5 Non-Int in Epoch 2 Bin=2 (10)	17.0 Secs X 2 (34 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	4	Flat1	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5; BIN=2		Sequence 1-5 Non-Int in Epoch 2 Bin=2 (10)	0.5 Secs X 2 (1 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	5	Flat8	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5; BIN=2		Sequence 1-5 Non-Int in Epoch 2 Bin=2 (10)	30.0 Secs X 2 (60 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]



Proposal 17951 - Epoch 2 Bin=2 (11) - WFC3 UVIS CCD Gain Stability

Wed Jul 16 20:00:23 GMT 2025

Visit	<p>Proposal 17951, Epoch 2 Bin=2 (11)</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: BETWEEN 01-JUN-2026:00:00:00 AND 30-JUN-2026:00:00:00</p> <p><i>Comments: BIN=2</i></p>									
	<p>(subarray for lamp warmup (11.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Flat5 (11.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Flat2 (11.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Flat3 (11.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Flat7 (11.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	subarray for lamp warmup	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F645N			Sequence 1-5 Non-Int in Epoch 2 Bin=2 (11)	60 Secs (60 Secs) [==>]	[1]
	2	Flat5	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5; BIN=2		Sequence 1-5 Non-Int in Epoch 2 Bin=2 (11)	11.0 Secs X 2 (22 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	3	Flat2	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5; BIN=2		Sequence 1-5 Non-Int in Epoch 2 Bin=2 (11)	1.0 Secs X 2 (2 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	4	Flat3	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5; BIN=2		Sequence 1-5 Non-Int in Epoch 2 Bin=2 (11)	2.0 Secs X 2 (4 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	5	Flat7	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5; BIN=2		Sequence 1-5 Non-Int in Epoch 2 Bin=2 (11)	24.0 Secs X 2 (48 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]



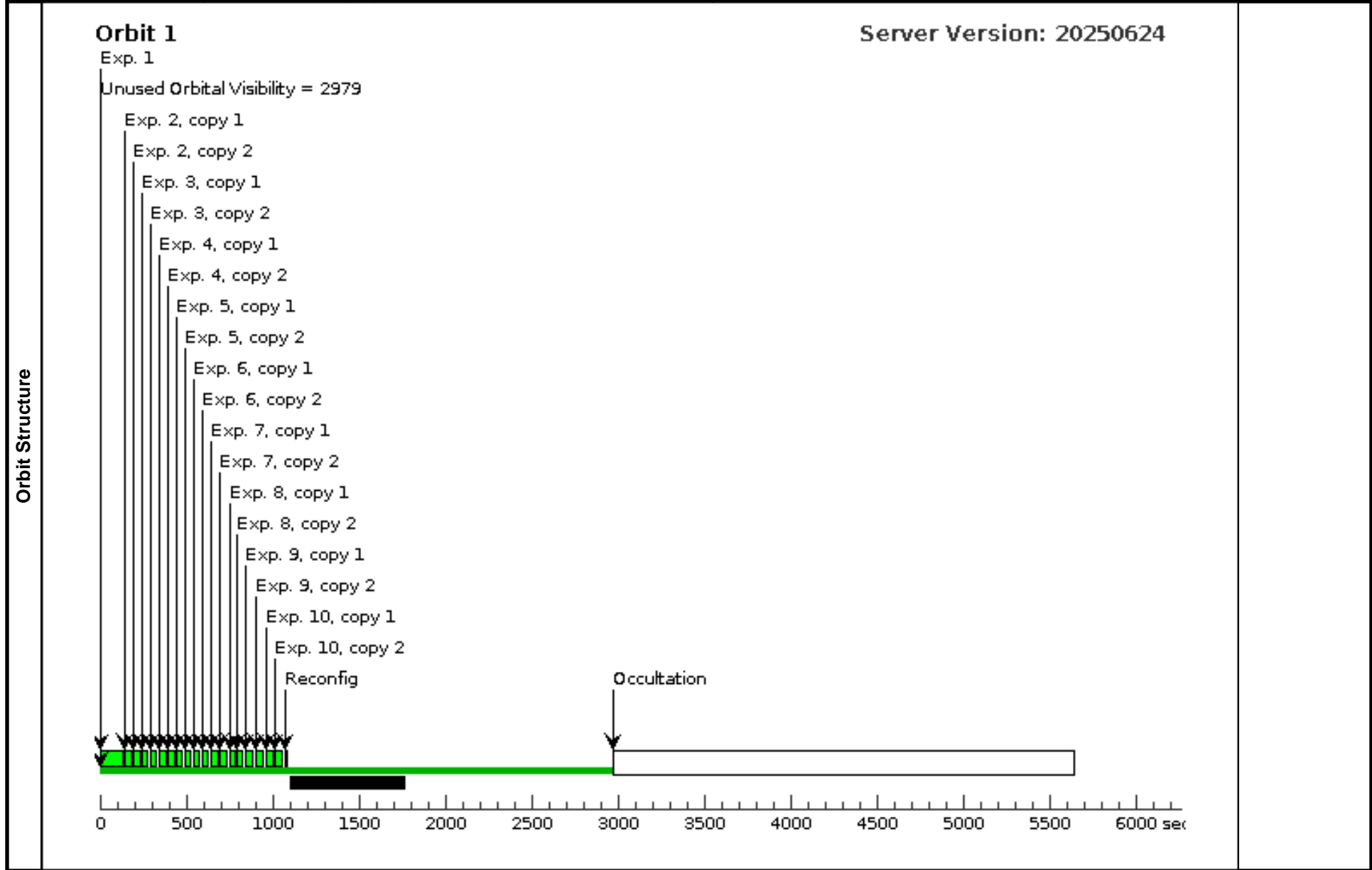
Proposal 17951 - Epoch 2 Bin=3 (12) - WFC3 UVIS CCD Gain Stability

Wed Jul 16 20:00:23 GMT 2025

Visit	<p>Proposal 17951, Epoch 2 Bin=3 (12)</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: BETWEEN 01-JUN-2026:00:00:00 AND 30-JUN-2026:00:00:00</p> <p><i>Comments: BIN=3</i></p>
Diagnostics	<p>(subarray for lamp warmup (12.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Flat1 (12.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Flat2 (12.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Flat3 (12.004)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Flat4 (12.005)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Flat5 (12.006)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Flat6 (12.007)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Flat7 (12.008)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Flat8 (12.009)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Flat9 (12.010)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p>

Proposal 17951 - Epoch 2 Bin=3 (12) - WFC3 UVIS CCD Gain Stability

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	subarray for lamp warmup	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F645N			Sequence 1-10 Non-Int in Epoch 2 Bin=3 (12)	60 Secs (60 Secs) [==>]	[1]
	2	Flat1	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5; BIN=3		Sequence 1-10 Non-Int in Epoch 2 Bin=3 (12)	5.0 Secs X 2 (10 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	3	Flat2	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5; BIN=3		Sequence 1-10 Non-Int in Epoch 2 Bin=3 (12)	1.0 Secs X 2 (2 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	4	Flat3	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5; BIN=3		Sequence 1-10 Non-Int in Epoch 2 Bin=3 (12)	7.0 Secs X 2 (14 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	5	Flat4	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5; BIN=3		Sequence 1-10 Non-Int in Epoch 2 Bin=3 (12)	3.0 Secs X 2 (6 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	6	Flat5	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5; BIN=3		Sequence 1-10 Non-Int in Epoch 2 Bin=3 (12)	0.5 Secs X 2 (1 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	7	Flat6	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5; BIN=3		Sequence 1-10 Non-Int in Epoch 2 Bin=3 (12)	9.0 Secs X 2 (18 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	8	Flat7	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5; BIN=3		Sequence 1-10 Non-Int in Epoch 2 Bin=3 (12)	2.0 Secs X 2 (4 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	9	Flat8	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5; BIN=3		Sequence 1-10 Non-Int in Epoch 2 Bin=3 (12)	11.0 Secs X 2 (22 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
10	Flat9	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5; BIN=3		Sequence 1-10 Non-Int in Epoch 2 Bin=3 (12)	13.0 Secs X 2 (26 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]	



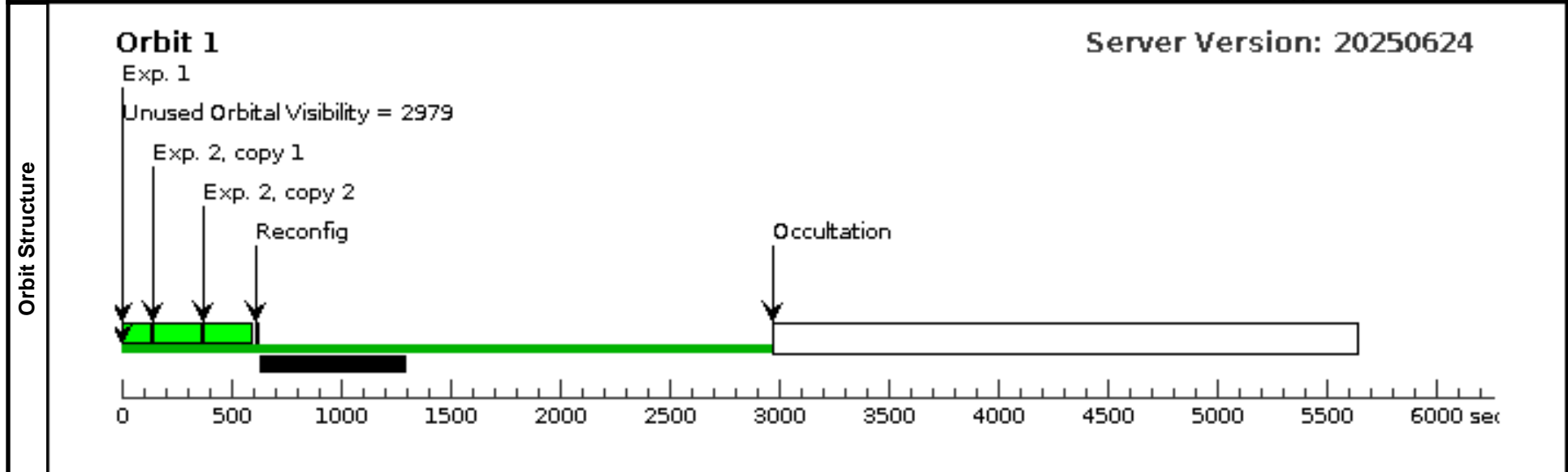
Proposal 17951 - Epoch 2 (13) - WFC3 UVIS CCD Gain Stability

Wed Jul 16 20:00:23 GMT 2025

Visit	<p>Proposal 17951, Epoch 2 (13)</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: BETWEEN 01-JUN-2026:00:00:00 AND 30-JUN-2026:00:00:00</p> <p><i>Comments: Epoch 2, nominal detector readout configuration: ABCD, gain=1.5 e-/DN, bin=NONE</i></p>
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Diagnostics	<p>(subarray for lamp warm up (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>(Flat8 (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>
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#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	subarray for lamp warm up	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F645N			Sequence 1-2 Non-Int in Epoch 2 (13)	60 Secs (60 Secs) [==>]	[1]
2	Flat8	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5		Sequence 1-2 Non-Int in Epoch 2 (13)	105.0 Secs X 2 (210 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]



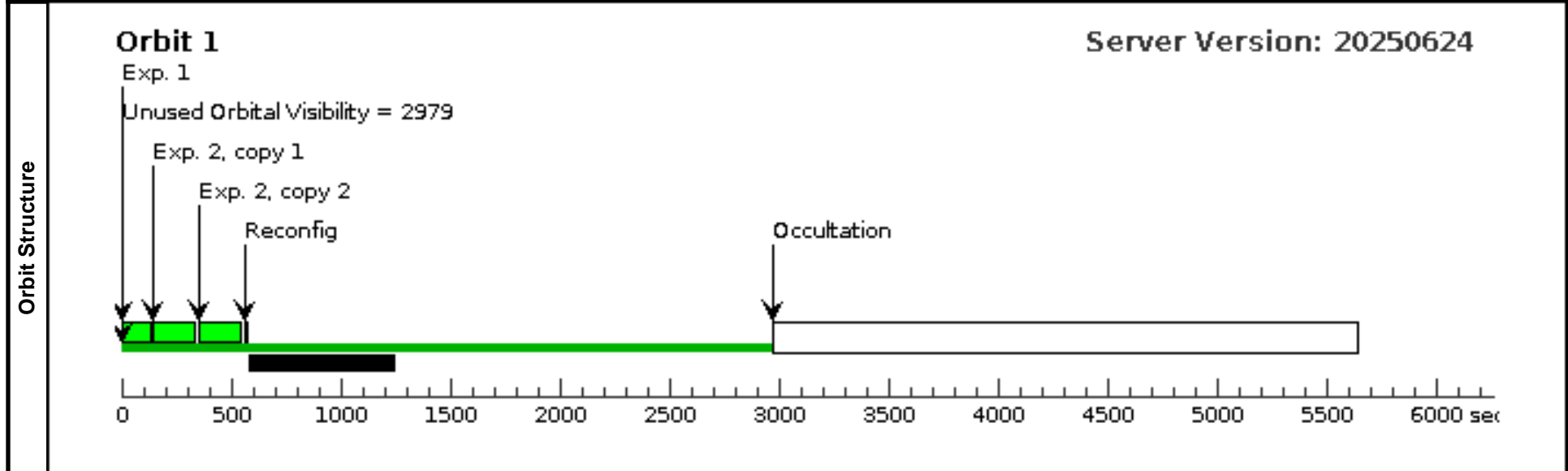
Proposal 17951 - Epoch 2 (14) - WFC3 UVIS CCD Gain Stability

Wed Jul 16 20:00:23 GMT 2025

Visit	<p>Proposal 17951, Epoch 2 (14)</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: BETWEEN 01-JUN-2026:00:00:00 AND 30-JUN-2026:00:00:00</p> <p><i>Comments: Epoch 2, nominal detector readout configuration: ABCD, gain=1.5 e-/DN, bin=NONE</i></p>
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Diagnostics	<p>(Subarray for lamp warm up (14.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Flat7 (14.002)) 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	Subarray for lamp warm up	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F645N			Sequence 1-2 Non-Int in Epoch 2 (14)	60 Secs (60 Secs) [==>]	[1]
2	Flat7	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5		Sequence 1-2 Non-Int in Epoch 2 (14)	80.0 Secs X 2 (160 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]



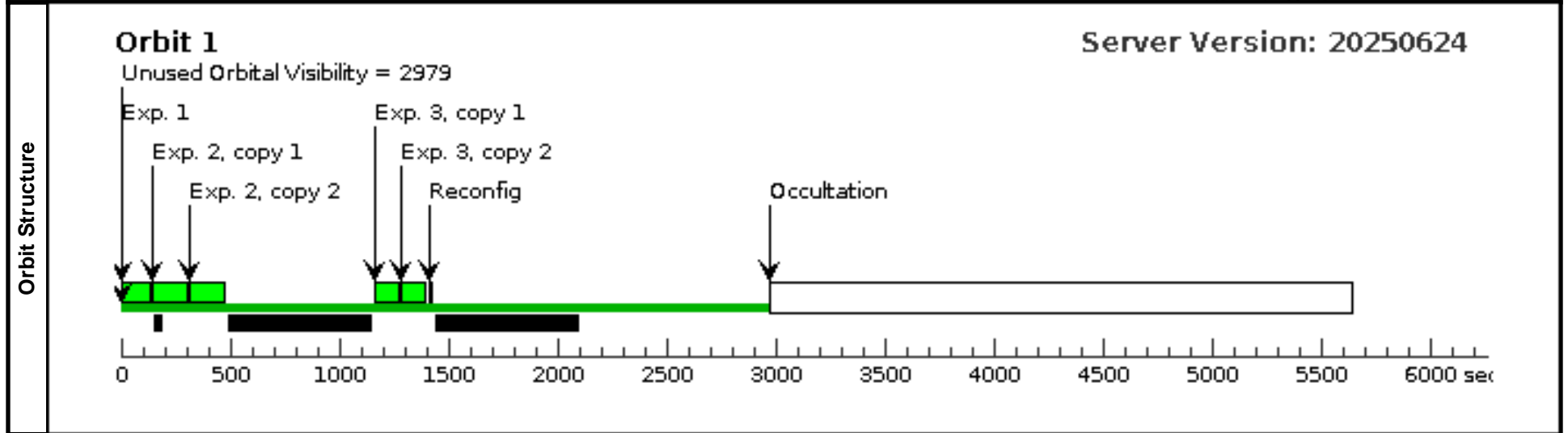
Proposal 17951 - Epoch 2 (15) - WFC3 UVIS CCD Gain Stability

Wed Jul 16 20:00:23 GMT 2025

Visit	<p>Proposal 17951, Epoch 2 (15)</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: BETWEEN 01-JUN-2026:00:00:00 AND 30-JUN-2026:00:00:00</p> <p><i>Comments: Epoch 2, nominal detector readout configuration: ABCD, gain=1.5 e-/DN, bin=NONE</i></p>
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Diagnostics	<p>(Epoch 2 (15)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB VISIT</p> <p>(Subarray for lamp warm up (15.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Flat6 (15.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Flat1 (15.003)) 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	Subarray for lamp warm up	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F645N			Sequence 1-3 Non-Int in Epoch 2 (15)	60 Secs (60 Secs) [==>]	[1]
2	Flat6	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5		Sequence 1-3 Non-Int in Epoch 2 (15)	45.0 Secs X 2 (90 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
3	Flat1	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5		Sequence 1-3 Non-Int in Epoch 2 (15)	1.0 Secs X 2 (2 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]

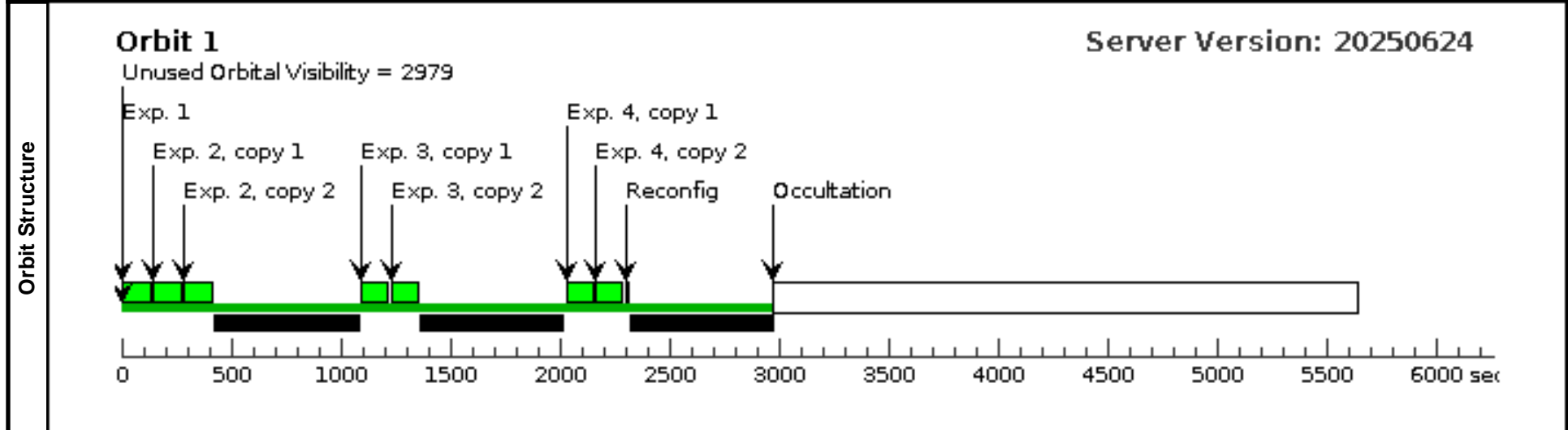


Proposal 17951 - Epoch 2 (16) - WFC3 UVIS CCD Gain Stability

Wed Jul 16 20:00:23 GMT 2025

Visit	Proposal 17951, Epoch 2 (16) Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 01-JUN-2026:00:00:00 AND 30-JUN-2026:00:00:00 Comments: Epoch 2, nominal detector readout configuration: ABCD, gain=1.5 e-/DN, bin=NONE
	(Epoch 2 (16)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB VISIT (Subarray for lamp warm up (16.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Flat4 (16.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Flat3 (16.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Flat3 (16.004)) 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	Subarray for lamp warm up	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F645N			Sequence 1-4 Non-Int in Epoch 2 (16)	60 Secs (60 Secs) [==>]	[1]
	2	Flat4	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5		Sequence 1-4 Non-Int in Epoch 2 (16)	12.0 Secs X 2 (24 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	3	Flat3	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5		Sequence 1-4 Non-Int in Epoch 2 (16)	5.0 Secs X 2 (10 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
4	Flat3	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5		Sequence 1-4 Non-Int in Epoch 2 (16)	7.0 Secs X 2 (14 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]	



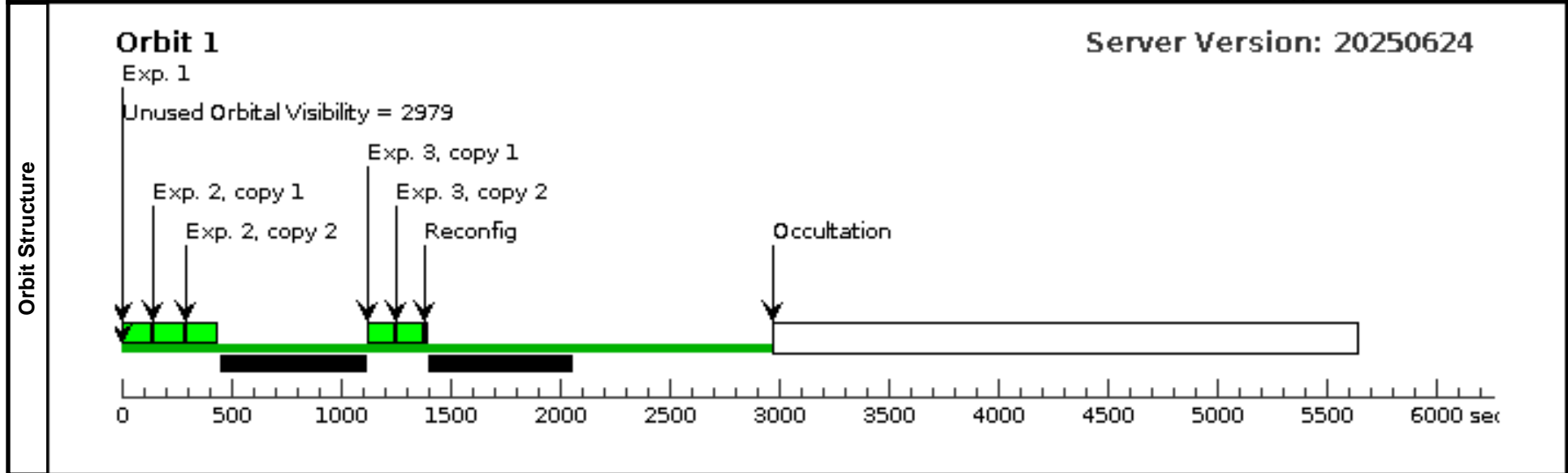
Proposal 17951 - Epoch 2 (17) - WFC3 UVIS CCD Gain Stability

Wed Jul 16 20:00:23 GMT 2025

Visit	<p>Proposal 17951, Epoch 2 (17)</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: BETWEEN 01-JUN-2026:00:00:00 AND 30-JUN-2026:00:00:00</p> <p><i>Comments: Epoch 2, nominal detector readout configuration: ABCD, gain=1.5 e-/DN, bin=NONE</i></p>
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Diagnostics	<p>(Epoch 2 (17)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB VISIT</p> <p>(Subarray for lamp warm up (17.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Flat5 (17.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser</p> <p>(Flat2 (17.003)) 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	Subarray for lamp warm up	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F645N				Sequence 1-3 Non-Int in Epoch 2 (17)	60.0 Secs (60 Secs) [==>]	[1]
2	Flat5	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5			Sequence 1-3 Non-Int in Epoch 2 (17)	25.0 Secs X 2 (50 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
3	Flat2	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5			Sequence 1-3 Non-Int in Epoch 2 (17)	2.0 Secs X 2 (4 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]



Proposal 17951 - Epoch 2 (18) - WFC3 UVIS CCD Gain Stability

Wed Jul 16 20:00:23 GMT 2025

Visit	Proposal 17951, Epoch 2 (18) Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 01-JUN-2026:00:00:00 AND 30-JUN-2026:00:00:00 <i>Comments: Epoch 2, nominal detector readout configuration: ABCD, gain=1.5 e-/DN, bin=NONE</i>
	(Epoch 2 (18)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB VISIT (Subarray for lamp warm up (18.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 2 (Sequence 1-4 Non-Int in Epoch 2 (18))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 3 (Sequence 1-4 Non-Int in Epoch 2 (18))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 4 (Sequence 1-4 Non-Int in Epoch 2 (18))) 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	Subarray for lamp warm up	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F645N			Sequence 1-4 Non-Int in Epoch 2 (18)	60 Secs (60 Secs) [==>]	[1]
	2		TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5		Sequence 1-4 Non-Int in Epoch 2 (18)	0.5 Secs X 2 (1 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
	3		TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5		Sequence 1-4 Non-Int in Epoch 2 (18)	1.5 Secs X 2 (3 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
4		TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	GAIN=1.5		Sequence 1-4 Non-Int in Epoch 2 (18)	3.5 Secs X 2 (7 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]	

