



16399 - WFC3 UVIS CCD Gain Stability

Cycle: 28, Proposal Category: CAL/WFC3

(Availability Mode: RESTRICTED)

INVESTIGATORS

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VISITS

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	TUNGSTEN	WFC3/UVIS	1	17-Aug-2020 16:00:13.0	yes
02	TUNGSTEN	WFC3/UVIS	1	17-Aug-2020 16:00:14.0	yes
03	TUNGSTEN	WFC3/UVIS	1	17-Aug-2020 16:00:15.0	yes
04	TUNGSTEN	WFC3/UVIS	1	17-Aug-2020 16:00:16.0	yes
05	TUNGSTEN	WFC3/UVIS	1	17-Aug-2020 16:00:16.0	yes
06	TUNGSTEN	WFC3/UVIS	1	17-Aug-2020 16:00:17.0	yes
07	TUNGSTEN	WFC3/UVIS	1	17-Aug-2020 16:00:17.0	yes
08	TUNGSTEN	WFC3/UVIS	1	17-Aug-2020 16:00:18.0	yes
09	TUNGSTEN	WFC3/UVIS	1	17-Aug-2020 16:00:19.0	yes
10	TUNGSTEN	WFC3/UVIS	1	17-Aug-2020 16:00:19.0	yes
11	TUNGSTEN	WFC3/UVIS	1	17-Aug-2020 16:00:20.0	yes
12	TUNGSTEN	WFC3/UVIS	1	17-Aug-2020 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>
13	TUNGSTEN	WFC3/UVIS	1	17-Aug-2020 16:00:22.0	yes
14	TUNGSTEN	WFC3/UVIS	1	17-Aug-2020 16:00:22.0	yes
15	TUNGSTEN	WFC3/UVIS	1	17-Aug-2020 16:00:22.0	yes
16	TUNGSTEN	WFC3/UVIS	1	17-Aug-2020 16:00:23.0	yes
17	TUNGSTEN	WFC3/UVIS	1	17-Aug-2020 16:00:24.0	yes
18	TUNGSTEN	WFC3/UVIS	1	17-Aug-2020 16:00:24.0	yes

18 Total Orbits Used

ABSTRACT

This proposal will acquire absolute gain data for every quadrant (A, B, C, and D) of the WFC3/UVIS detector to continue monitoring the gain stability. This has been a recurring CAL program since Cycle 17 and allows us to measure both long and short term gain stability. We will continue to take both un-binned and binned (2x2 and 3x3) gain measurements.

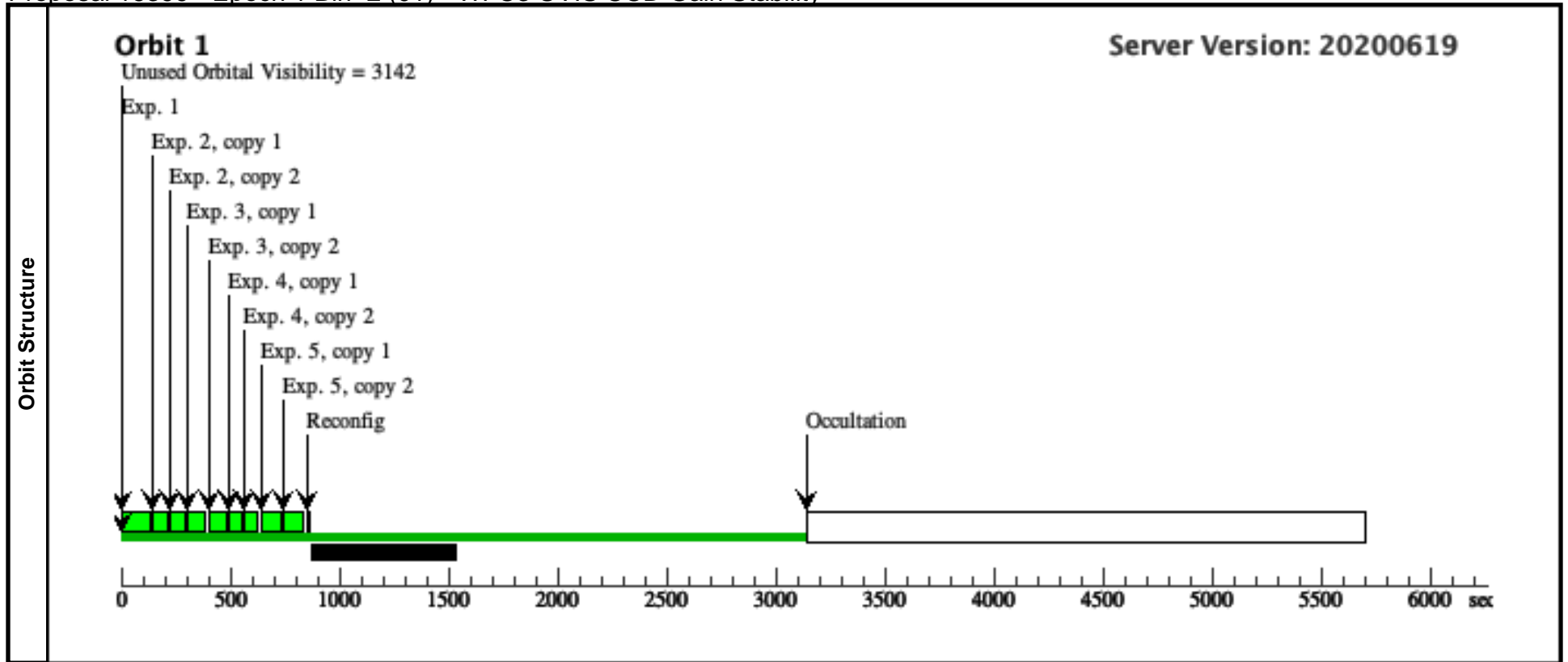
OBSERVING DESCRIPTION

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, 12690, 13168, 13561, 14007, 14536, 14985, 15574, and 15719; all of which have provided consistent results.

Proposal 16399 - Epoch 1 Bin=2 (01) - WFC3 UVIS CCD Gain Stability

Mon Aug 17 20:00:25 GMT 2020

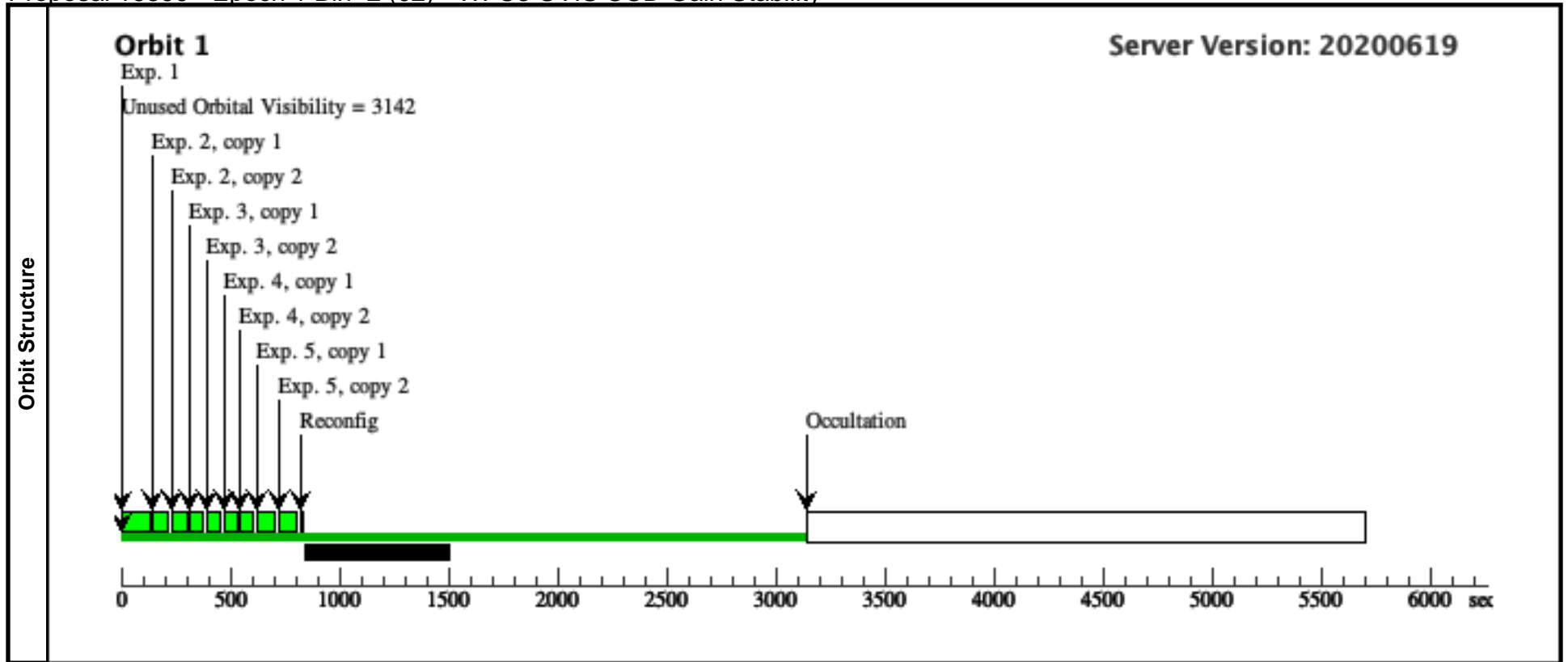
Visit	Proposal 16399, Epoch 1 Bin=2 (01) Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 01-DEC-2020:00:00:00 AND 31-DEC-2020:00:00:00 Comments: BIN=2										
	Diagnostics	(subarray for lamp warmup (01.001)) Warning (Form): FLASH level may be too low for this 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 16399 - Epoch 1 Bin=2 (02) - WFC3 UVIS CCD Gain Stability

Mon Aug 17 20:00:25 GMT 2020

Visit	Proposal 16399, Epoch 1 Bin=2 (02) Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 01-DEC-2020:00:00:00 AND 31-DEC-2020:00:00:00 Comments: BIN=2										
	Diagnostics	(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 16399 - Epoch 1 Bin=3 (03) - WFC3 UVIS CCD Gain Stability

Mon Aug 17 20:00:25 GMT 2020

Visit	<p>Proposal 16399, Epoch 1 Bin=3 (03)</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: BETWEEN 01-DEC-2020:00:00:00 AND 31-DEC-2020:00:00:00</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>

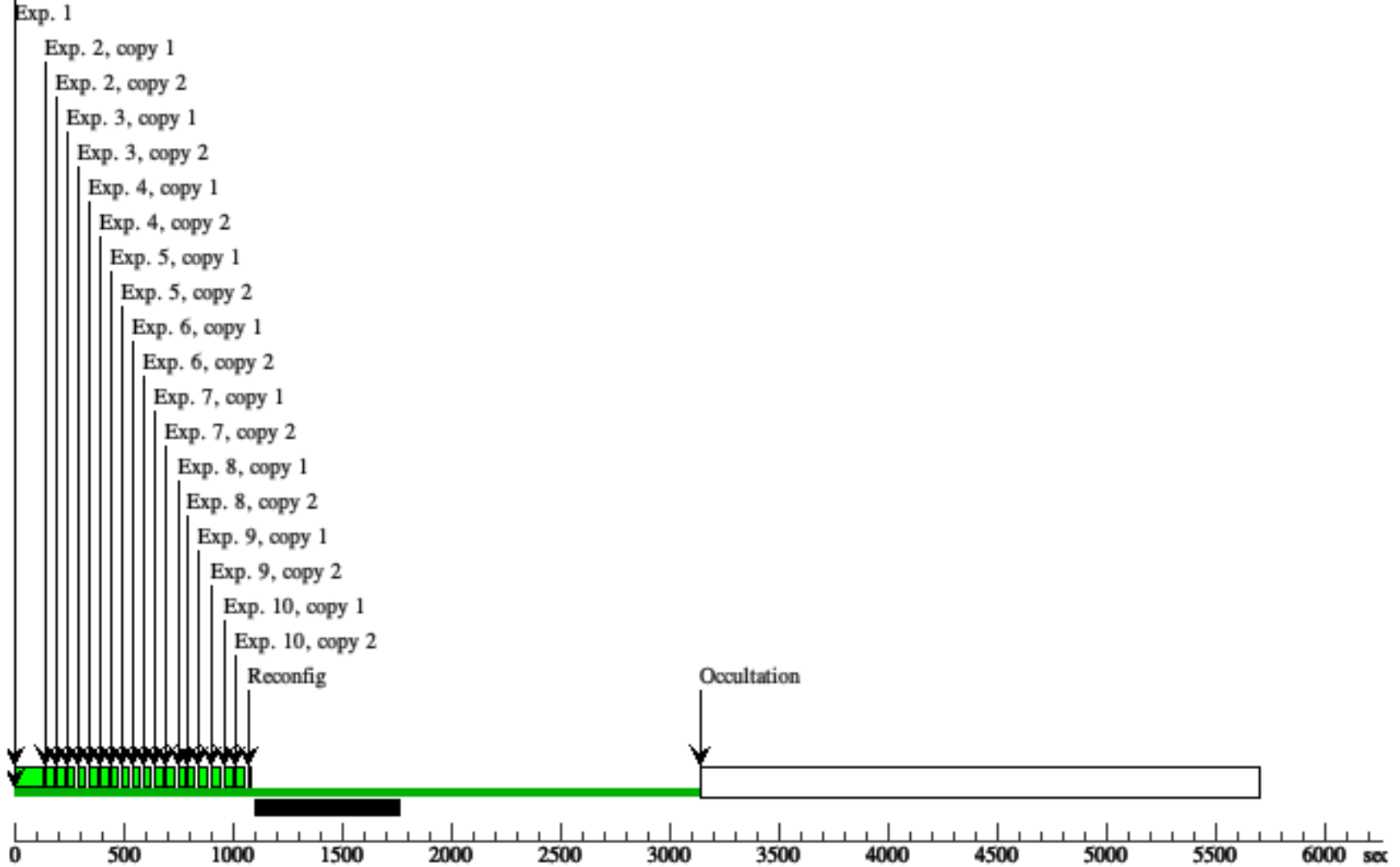
Proposal 16399 - Epoch 1 Bin=3 (03) - WFC3 UVIS CCD Gain Stability

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]	

Orbit Structure

Orbit 1

Unused Orbital Visibility = 3142



Proposal 16399 - Epoch 1 (04) - WFC3 UVIS CCD Gain Stability

Mon Aug 17 20:00:25 GMT 2020

Visit	Proposal 16399, Epoch 1 (04) Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 01-DEC-2020:00:00:00 AND 31-DEC-2020:00:00:00 <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: 20200619</p> <p>Exp. 1 Unused Orbital Visibility = 3142</p> <p>Exp. 2, copy 1 Exp. 2, copy 2 Reconfig</p> <p>Occultation</p> <p>0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec</p>									

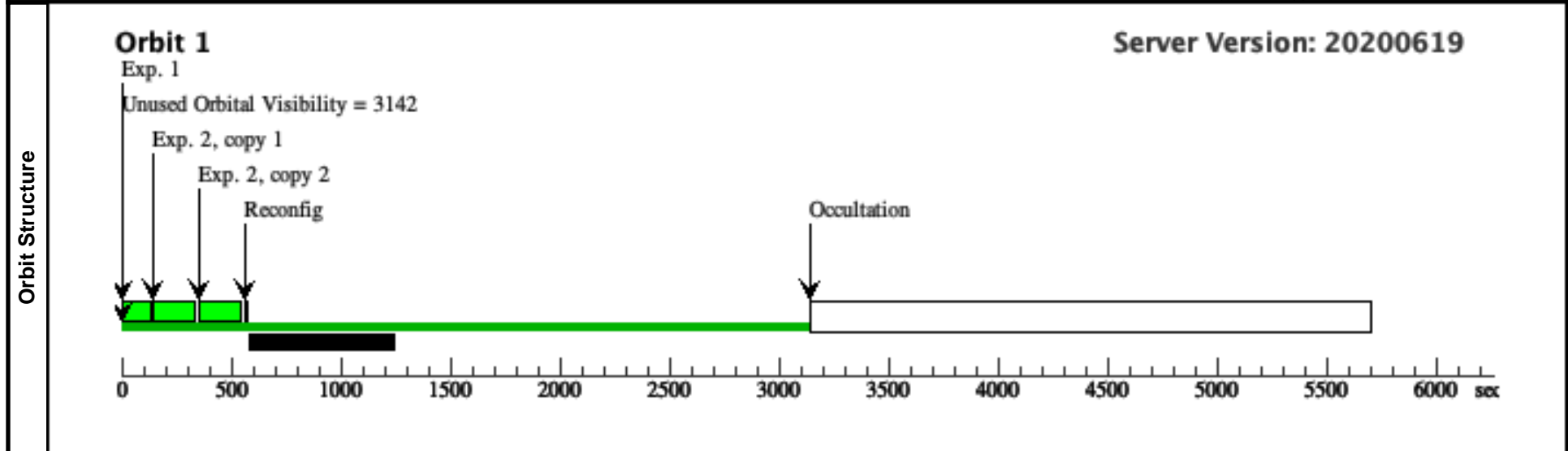
Proposal 16399 - Epoch 1 (05) - WFC3 UVIS CCD Gain Stability

Mon Aug 17 20:00:25 GMT 2020

Visit	<p>Proposal 16399, Epoch 1 (05)</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: BETWEEN 01-DEC-2020:00:00:00 AND 31-DEC-2020:00:00:00</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)	80.0 Secs X 2 (160 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]



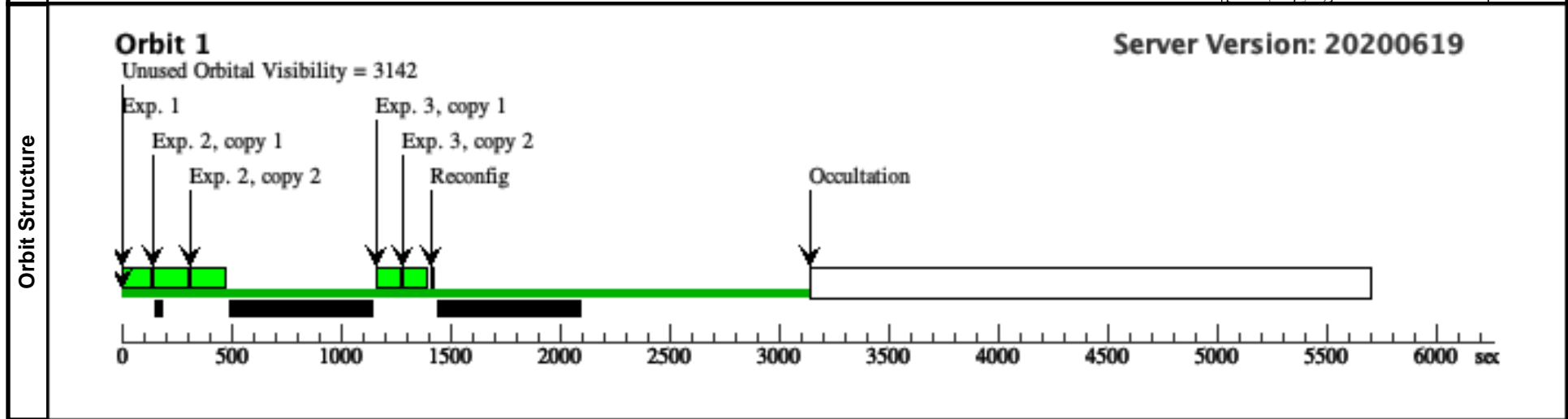
Proposal 16399 - Epoch 1 (06) - WFC3 UVIS CCD Gain Stability

Mon Aug 17 20:00:25 GMT 2020

Visit	<p>Proposal 16399, Epoch 1 (06)</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: BETWEEN 01-DEC-2020:00:00:00 AND 31-DEC-2020:00:00:00</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 SU</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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#	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) [==>]	[1]
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]



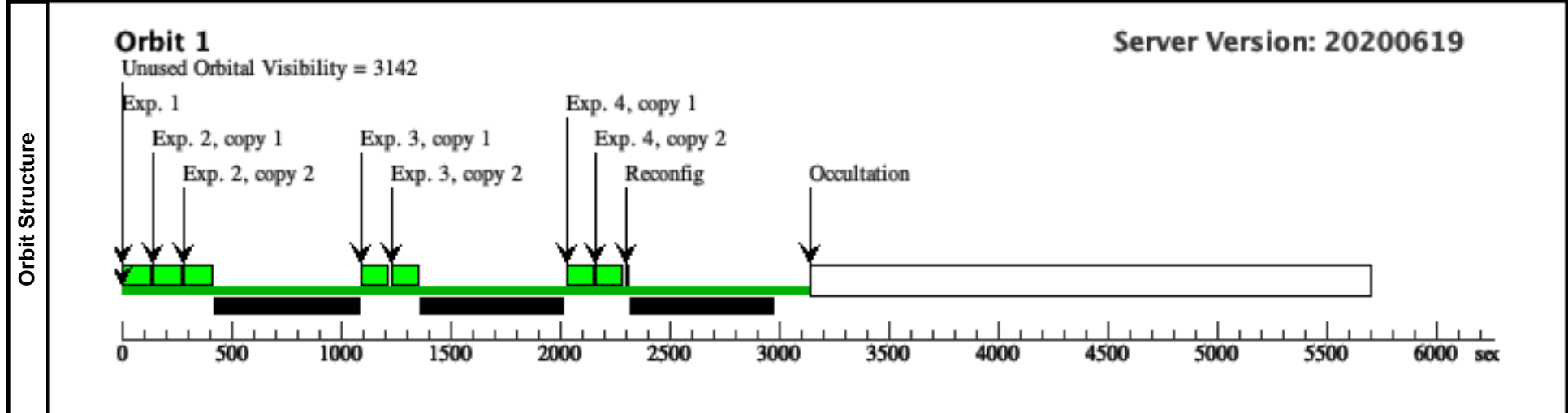
Proposal 16399 - Epoch 1 (07) - WFC3 UVIS CCD Gain Stability

Mon Aug 17 20:00:25 GMT 2020

Visit
Proposal 16399, Epoch 1 (07)
Diagnostic Status: Warning
 Scientific Instruments: WFC3/UVIS
 Special Requirements: BETWEEN 01-DEC-2020:00:00:00 AND 31-DEC-2020:00:00:00
Comments: Epoch 1, nominal detector readout configuration: ABCD, gain=1.5 e-/DN, bin=NONE

Diagnostics
 (Epoch 1 (07)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU
 (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]



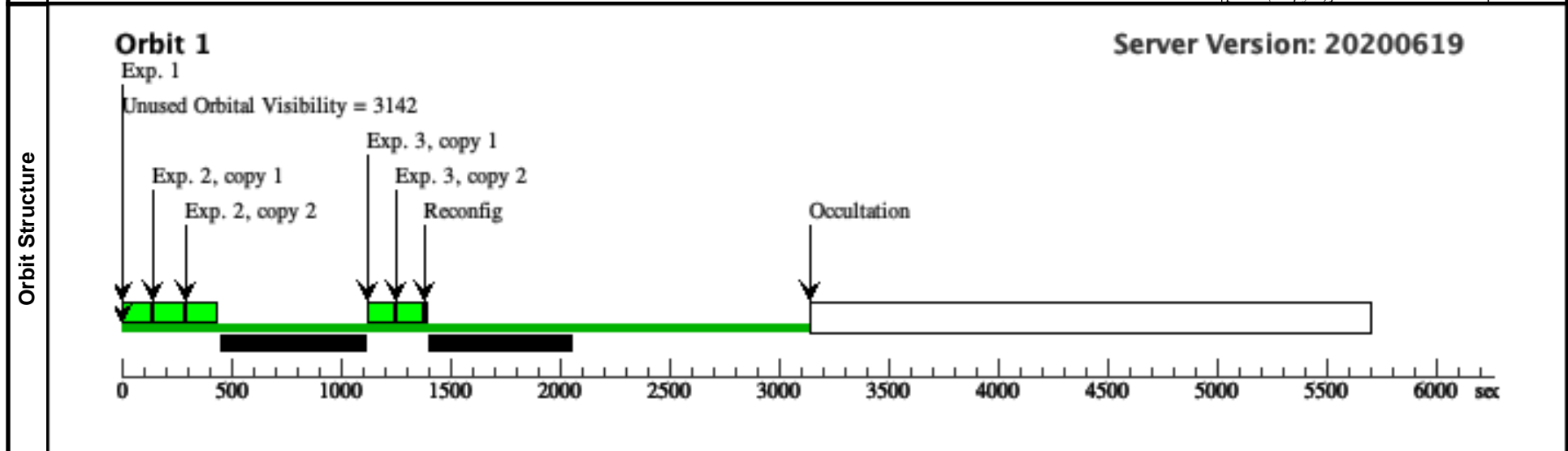
Proposal 16399 - Epoch 1 (08) - WFC3 UVIS CCD Gain Stability

Mon Aug 17 20:00:25 GMT 2020

Visit	<p>Proposal 16399, Epoch 1 (08)</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: BETWEEN 01-DEC-2020:00:00:00 AND 31-DEC-2020:00:00:00</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 SU</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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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 (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]



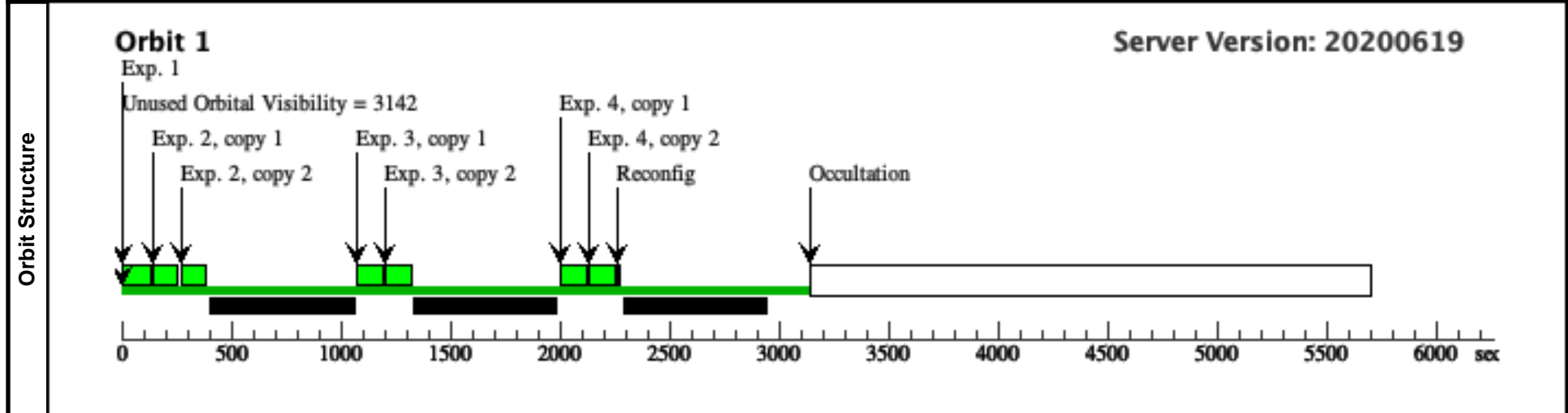
Proposal 16399 - Epoch 1 (09) - WFC3 UVIS CCD Gain Stability

Mon Aug 17 20:00:25 GMT 2020

Visit
Proposal 16399, Epoch 1 (09)
Diagnostic Status: Warning
 Scientific Instruments: WFC3/UVIS
 Special Requirements: BETWEEN 01-DEC-2020:00:00:00 AND 31-DEC-2020:00:00:00
Comments: Epoch 1, nominal detector readout configuration: ABCD, gain=1.5 e-/DN, bin=NONE

Diagnostics
 (Epoch 1 (09)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU
 (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
 (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
 (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
 (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

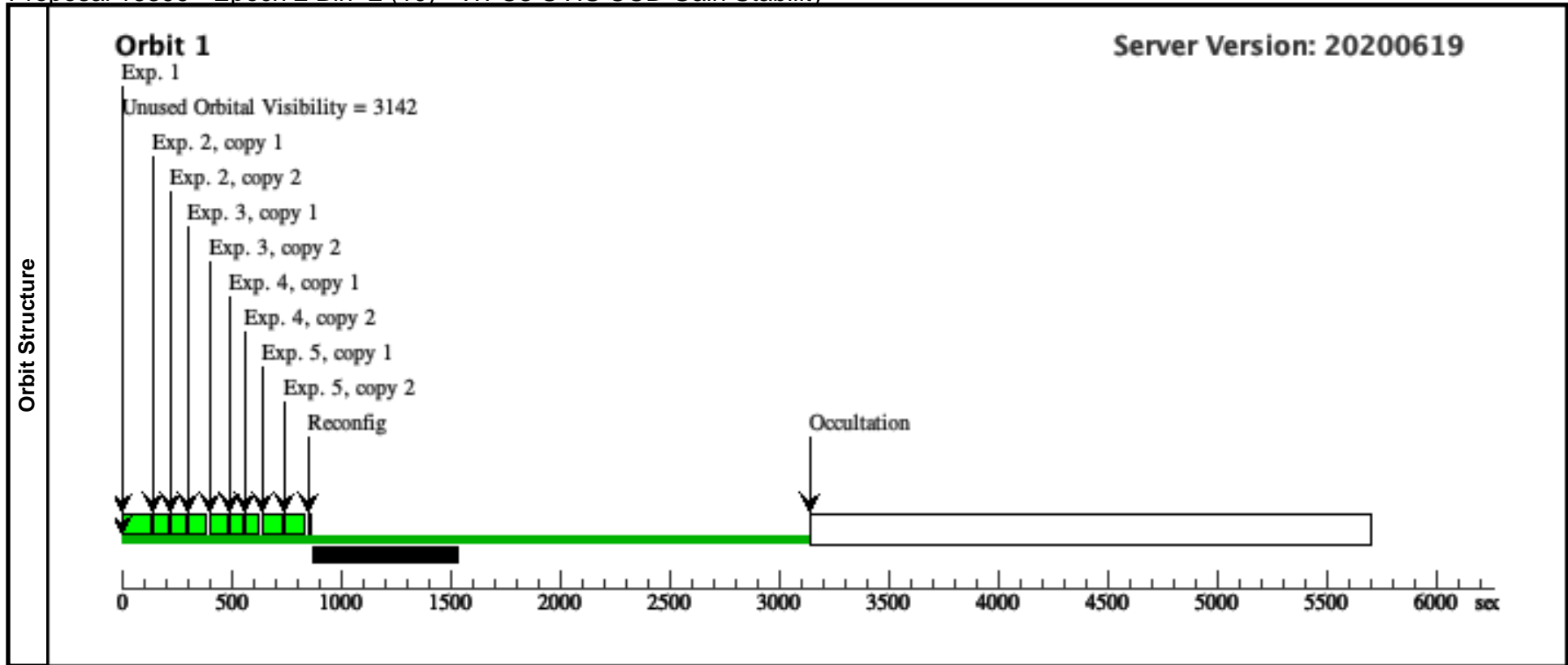
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Subarray for lamp warm up	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS1-M512-SUB	F645N			Sequence 1-4 Non-Int in Epoch 1 (09)	60 Secs (60 Secs) [==>]	[1]
2		TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F645N	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 16399 - Epoch 2 Bin=2 (10) - WFC3 UVIS CCD Gain Stability

Mon Aug 17 20:00:25 GMT 2020

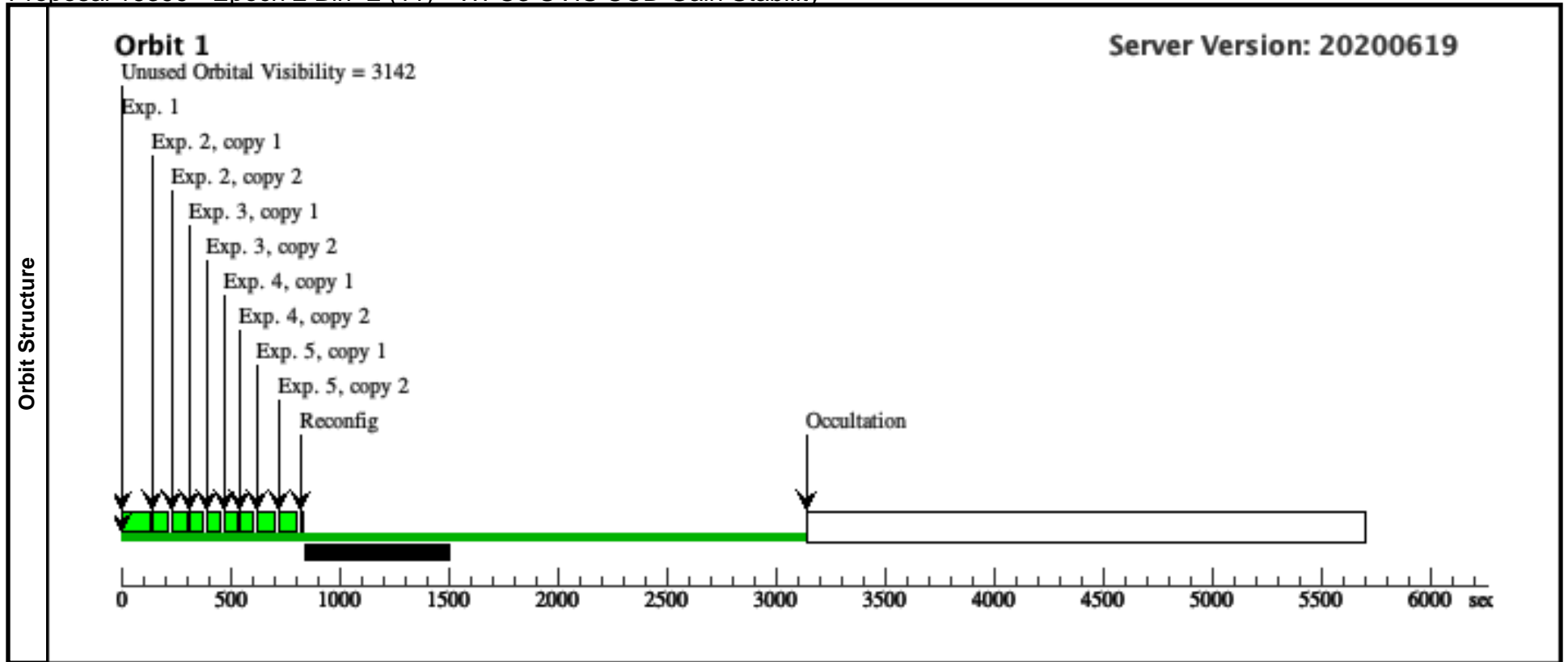
Visit	Proposal 16399, Epoch 2 Bin=2 (10) Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 01-JUN-2021:00:00:00 AND 30-JUN-2021:00:00:00 Comments: BIN=2										
	Diagnostics	(subarray for lamp warmup (10.001)) Warning (Form): FLASH level may be too low for this 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 16399 - Epoch 2 Bin=2 (11) - WFC3 UVIS CCD Gain Stability

Mon Aug 17 20:00:25 GMT 2020

Visit	Proposal 16399, Epoch 2 Bin=2 (11) Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 01-JUN-2021:00:00:00 AND 30-JUN-2021:00:00:00 Comments: BIN=2										
	Diagnostics	(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 (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 (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 (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 (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									
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 16399 - Epoch 2 Bin=3 (12) - WFC3 UVIS CCD Gain Stability

Mon Aug 17 20:00:25 GMT 2020

Visit	<p>Proposal 16399, Epoch 2 Bin=3 (12)</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: BETWEEN 01-JUN-2021:00:00:00 AND 30-JUN-2021:00:00:00</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>

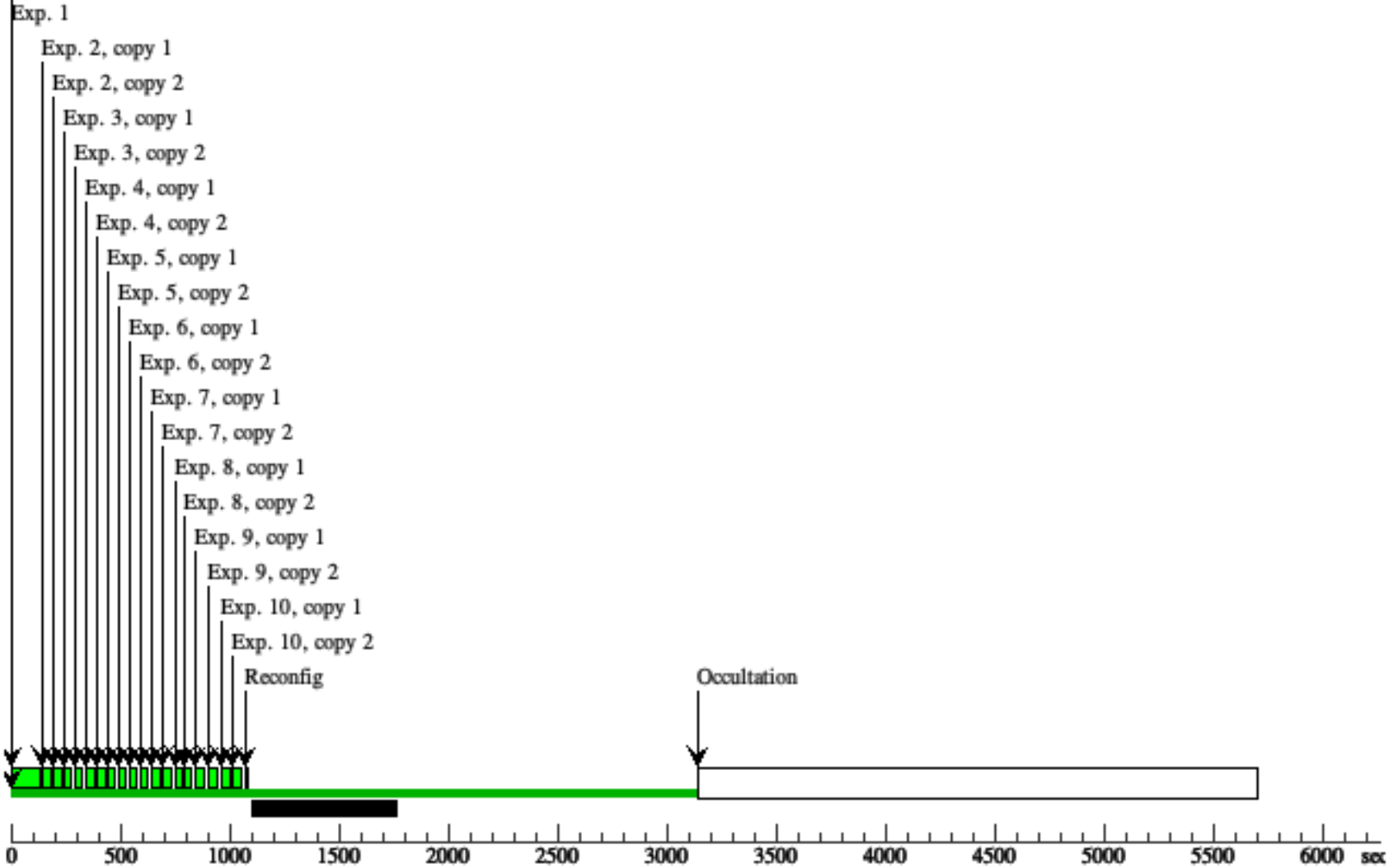
Proposal 16399 - Epoch 2 Bin=3 (12) - WFC3 UVIS CCD Gain Stability

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]	

Orbit Structure

Orbit 1

Unused Orbital Visibility = 3142



Visit	Proposal 16399, Epoch 2 (13) Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 01-JUN-2021:00:00:00 AND 30-JUN-2021:00:00:00 <i>Comments: Epoch 2, nominal detector readout configuration: ABCD, gain=1.5 e-/DN, bin=NONE</i>									
	(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 (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									
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 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]	
Orbit Structure	<p>Orbit 1 Server Version: 20200619</p> <p>Exp. 1 Unused Orbital Visibility = 3142</p> <p>Exp. 2, copy 1 Exp. 2, copy 2 Reconfig</p> <p>Occultation</p> <p>0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec</p>									

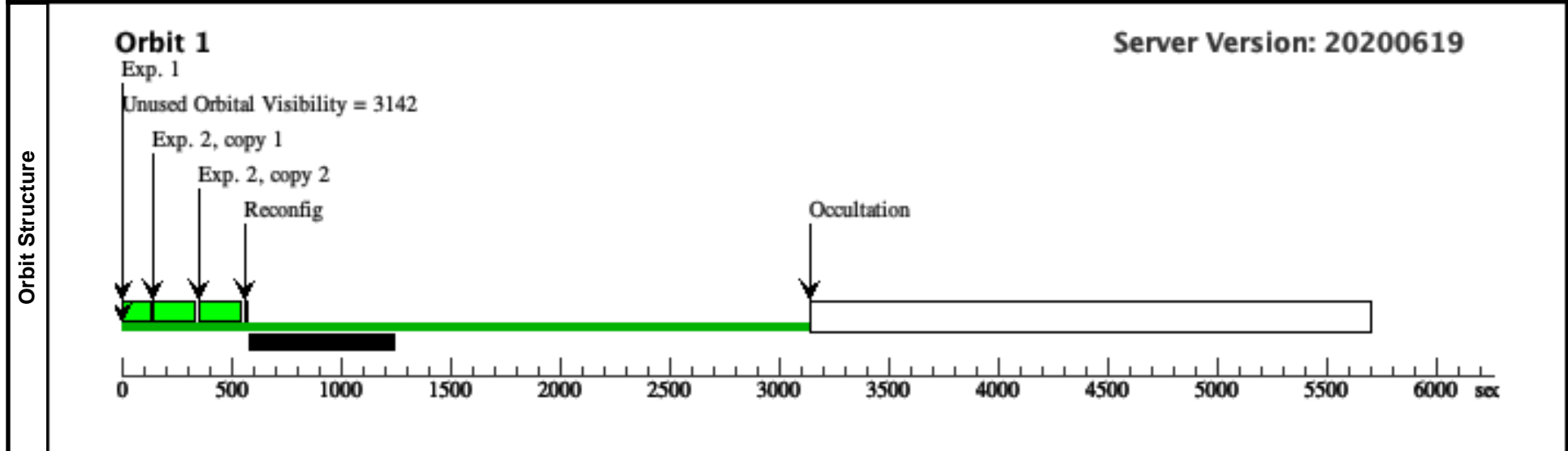
Proposal 16399 - Epoch 2 (14) - WFC3 UVIS CCD Gain Stability

Mon Aug 17 20:00:25 GMT 2020

Visit	<p>Proposal 16399, Epoch 2 (14)</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: BETWEEN 01-JUN-2021:00:00:00 AND 30-JUN-2021:00:00:00</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]



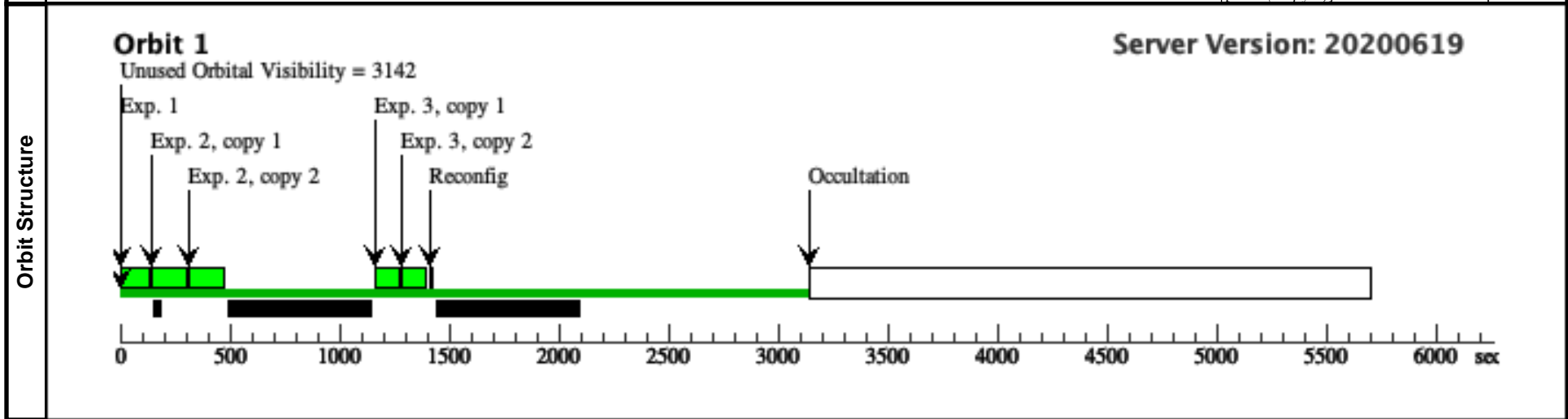
Proposal 16399 - Epoch 2 (15) - WFC3 UVIS CCD Gain Stability

Mon Aug 17 20:00:25 GMT 2020

Visit	<p>Proposal 16399, Epoch 2 (15)</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: BETWEEN 01-JUN-2021:00:00:00 AND 30-JUN-2021:00:00:00</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 SU</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]



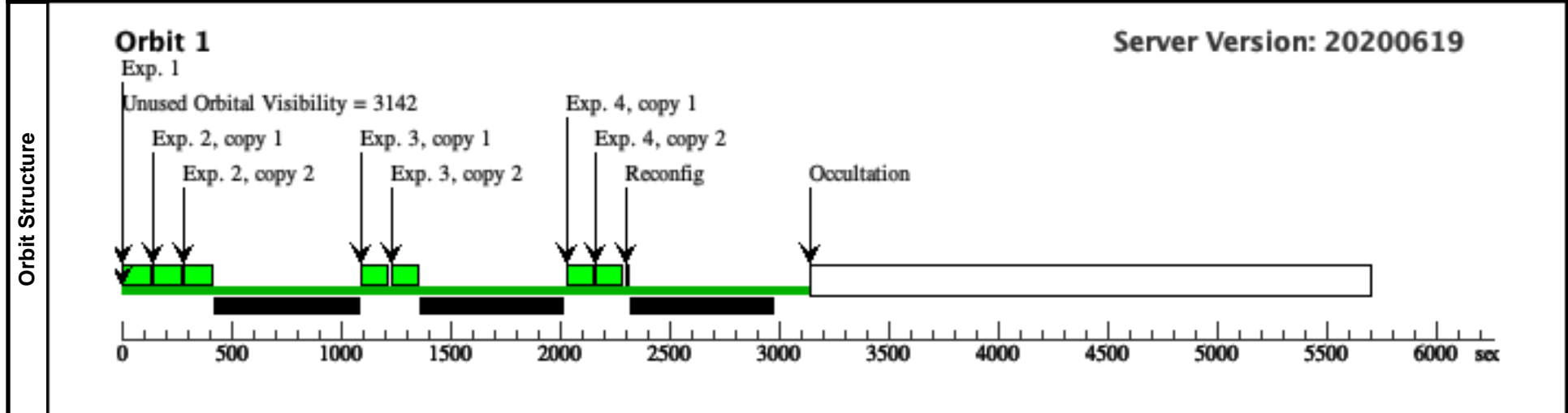
Proposal 16399 - Epoch 2 (16) - WFC3 UVIS CCD Gain Stability

Mon Aug 17 20:00:26 GMT 2020

Visit
Proposal 16399, Epoch 2 (16)
Diagnostic Status: Warning
 Scientific Instruments: WFC3/UVIS
 Special Requirements: BETWEEN 01-JUN-2021:00:00:00 AND 30-JUN-2021:00:00:00
Comments: Epoch 2, nominal detector readout configuration: ABCD, gain=1.5 e-/DN, bin=NONE

Diagnostics
 (Epoch 2 (16)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU
 (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

#	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]



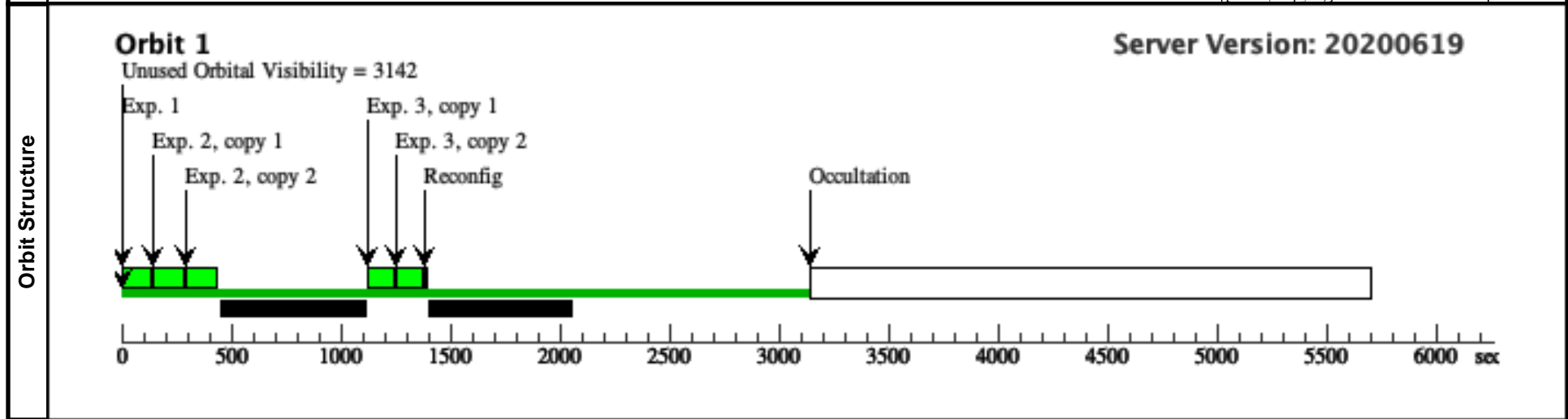
Proposal 16399 - Epoch 2 (17) - WFC3 UVIS CCD Gain Stability

Mon Aug 17 20:00:26 GMT 2020

Visit	<p>Proposal 16399, Epoch 2 (17)</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: BETWEEN 01-JUN-2021:00:00:00 AND 30-JUN-2021:00:00:00</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 SU</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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#	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 16399 - Epoch 2 (18) - WFC3 UVIS CCD Gain Stability

Mon Aug 17 20:00:26 GMT 2020

Visit	<p>Proposal 16399, Epoch 2 (18)</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: BETWEEN 01-JUN-2021:00:00:00 AND 30-JUN-2021:00:00:00</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 (18)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU</p> <p>(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</p> <p>(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</p> <p>(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</p> <p>(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</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 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]

