



13225 - WFC3 SS Post Flash Check

Cycle: 27, Proposal Category: CAL/WFC3

(Availability Mode: RESTRICTED)

INVESTIGATORS

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VISITS

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	DARK	WFC3/UVIS	1	17-Oct-2019 16:15:18.0	yes
02	DARK	WFC3/UVIS	1	17-Oct-2019 16:15:18.0	yes
03	DARK	WFC3/UVIS	1	17-Oct-2019 16:15:19.0	yes
04	DARK	WFC3/UVIS	1	17-Oct-2019 16:15:19.0	yes
05	DARK	WFC3/UVIS	1	17-Oct-2019 16:15:19.0	yes
06	DARK	WFC3/UVIS	1	17-Oct-2019 16:15:20.0	yes
07	DARK	WFC3/UVIS	1	17-Oct-2019 16:15:20.0	yes
08	DARK	WFC3/UVIS	1	17-Oct-2019 16:15:20.0	yes
09	DARK	WFC3/UVIS	2	17-Oct-2019 16:15:25.0	yes

10 Total Orbits Used

ABSTRACT

Part of side switch activities.

We obtain post-flashed bias and dark frames for calibration of post-flashed science data. These will be used to generate bias, dark, and post-flash reference files. Short dark frames are obtained for calibration of CTE effects in post-flashed science data.

ID: NEW

OBSERVING DESCRIPTION

Part of side switch activities.

Visits 01-04: These obtain a very bright (7000 e-) flash on each shutter. They will be used to compare flash patterns for the two shutters, and look for any small-scale structure in the post-flash light distribution.

Visits 05-08: These are 12 e- flash images taken on both shutters. The purpose is to confirm the brightness ratio of shutter A/B. These will be used to scale the bright flash image to the lower intensities typically used for GO images. Ultimately these will be an ingredient of the post-flash reference files.

Visit 09: subarrays and full frames taken on both shutters with varying flash durations. These data will allow the generation of a new caltable for APT.

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

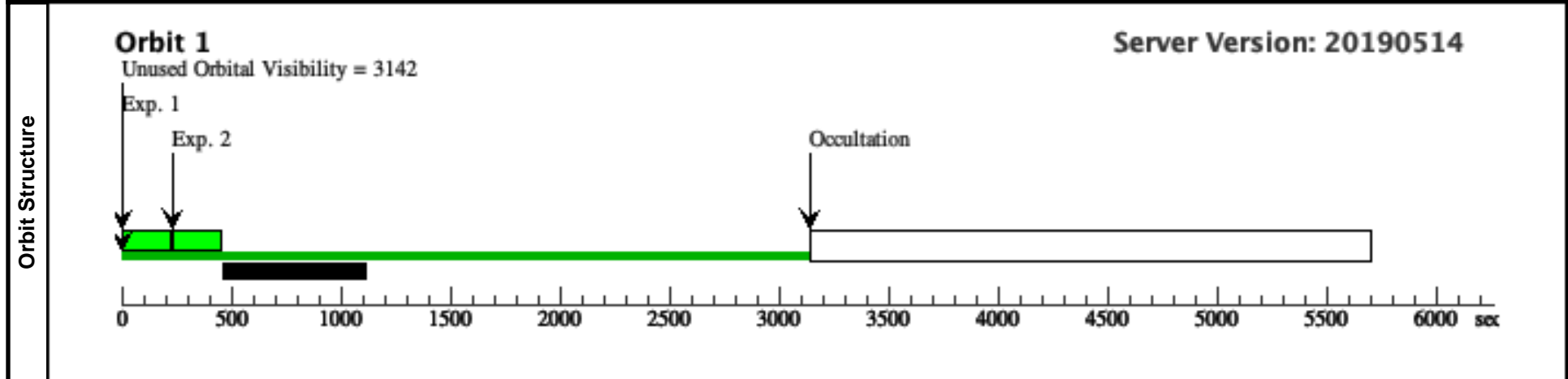
The bias, dark, and post-flash reference files delivered to CRDS will serve to correct flashed on-orbit WFC3 UVIS science frames.

Proposal 13225 - Visit 01 - WFC3 SS Post Flash Check

Thu Oct 17 20:15:26 GMT 2019

Visit	Proposal 13225, Visit 01, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none) <i>Comments: Very bright flash on each shutter</i>								
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Very Bright Flash	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	GAIN=1.5; FLASHCUR=MEDI UM; FLASHEXP=100	QESIPARM BLAD E A		0.5 Secs (0.5 Secs) [==>]	[1]
	2	Very Bright Flash	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	GAIN=1.5; FLASHCUR=MEDI UM; FLASHEXP=100	QESIPARM BLAD E B		0.5 Secs (0.5 Secs) [==>]	[1]

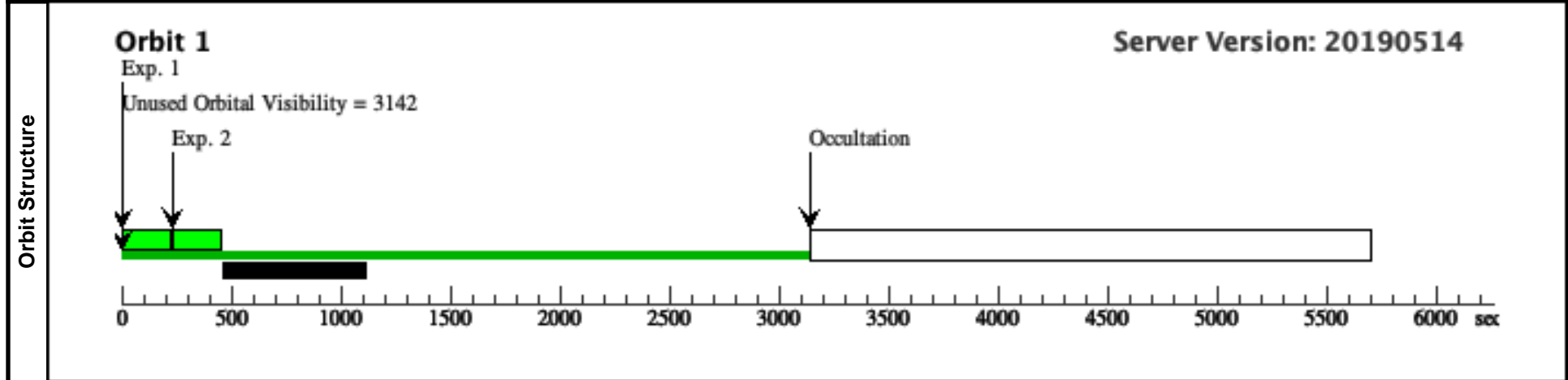


Proposal 13225 - Visit 02 - WFC3 SS Post Flash Check

Thu Oct 17 20:15:27 GMT 2019

Visit	Proposal 13225, Visit 02, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none) <i>Comments: Very bright flash on each shutter</i>									
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Very Bright Flash	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	GAIN=1.5; FLASHCUR=MEDI UM; FLASHEXP=100	QESIPARM BLAD E A		0.5 Secs (0.5 Secs) [==>]	[1]
	2	Very Bright Flash	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	GAIN=1.5; FLASHCUR=MEDI UM; FLASHEXP=100	QESIPARM BLAD E B		0.5 Secs (0.5 Secs) [==>]	[1]

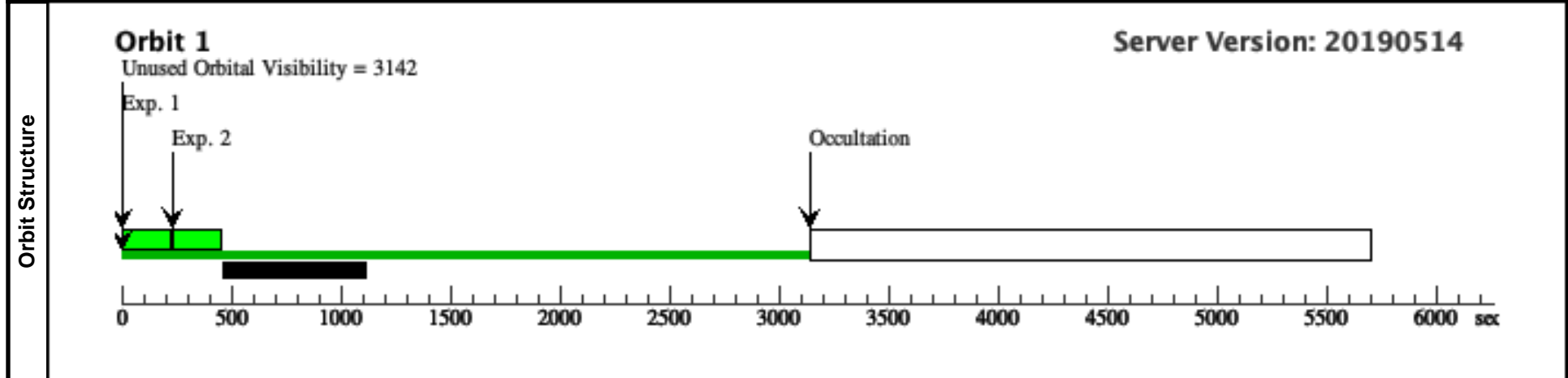


Proposal 13225 - Visit 03 - WFC3 SS Post Flash Check

Thu Oct 17 20:15:27 GMT 2019

Visit	Proposal 13225, Visit 03, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none) <i>Comments: Very bright flash on each shutter</i>									
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Very Bright Flash	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	GAIN=1.5; FLASHCUR=MEDI UM; FLASHEXP=100	QESIPARM BLAD E A			0.5 Secs (0.5 Secs) [==>]
2	Very Bright Flash	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	GAIN=1.5; FLASHCUR=MEDI UM; FLASHEXP=100	QESIPARM BLAD E B			0.5 Secs (0.5 Secs) [==>]	[1]

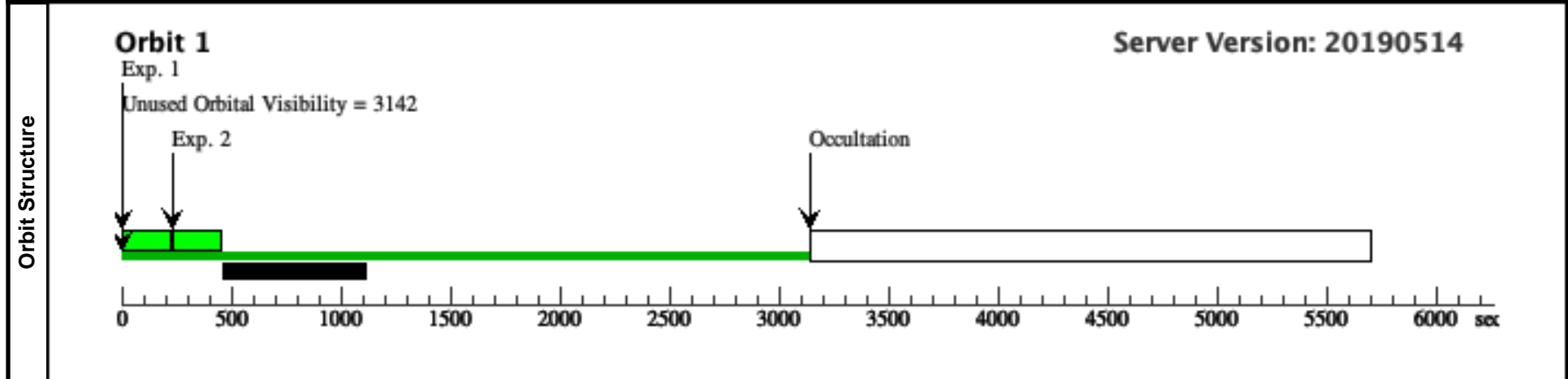


Proposal 13225 - Visit 04 - WFC3 SS Post Flash Check

Thu Oct 17 20:15:27 GMT 2019

Visit	Proposal 13225, Visit 04, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none) <i>Comments: Very bright flash on each shutter</i>								
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Very Bright Flash	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	GAIN=1.5; FLASHCUR=MEDI UM; FLASHEXP=100	QESIPARM BLAD E A			0.5 Secs (0.5 Secs) [==>]
2	Very Bright Flash	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	GAIN=1.5; FLASHCUR=MEDI UM; FLASHEXP=100	QESIPARM BLAD E B			0.5 Secs (0.5 Secs) [==>]	[1]

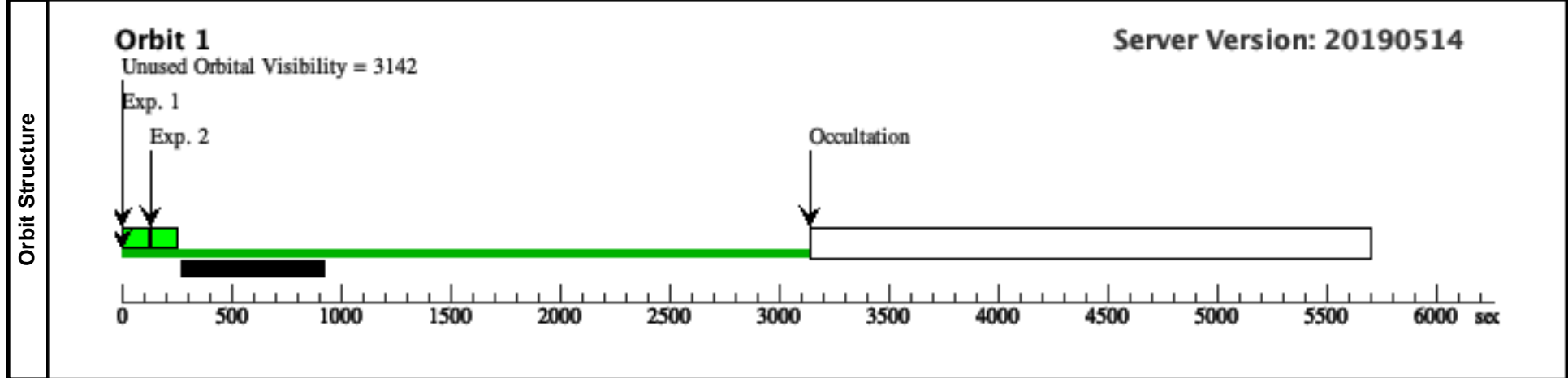


Proposal 13225 - Visit 05 - WFC3 SS Post Flash Check

Thu Oct 17 20:15:27 GMT 2019

Visit	Proposal 13225, Visit 05, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none) <i>Comments: 12e- flash on each shutter</i>									
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	Bias Flashed 12	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	GAIN=1.5; FLASH=12	QESIPARM BLAD E A		0.5 Secs (0.5 Secs) [==>]	[1]	
2	Bias Flashed 12	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	GAIN=1.5; FLASH=12	QESIPARM BLAD E B		0.5 Secs (0.5 Secs) [==>]	[1]	

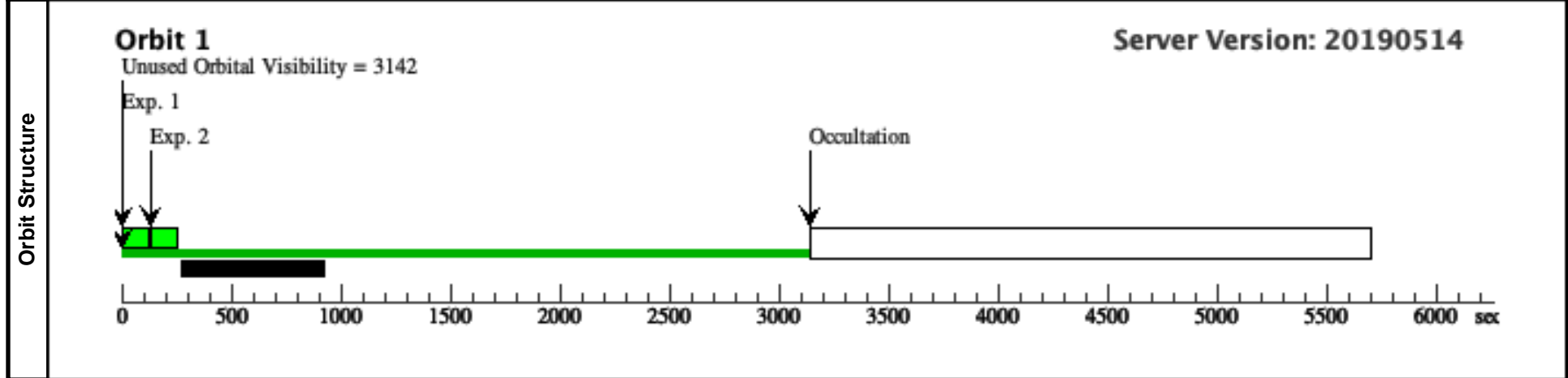


Proposal 13225 - Visit 06 - WFC3 SS Post Flash Check

Thu Oct 17 20:15:27 GMT 2019

Visit	Proposal 13225, Visit 06, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none) <i>Comments: 12e- flash on each shutter</i>									

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Bias Flashed 12	DARK		WFC3/UVIS, ACCUM, UVIS	DEF	GAIN=1.5; FLASH=12	QESIPARM BLAD E A		0.5 Secs (0.5 Secs) [==>]
2	Bias Flashed 12	DARK		WFC3/UVIS, ACCUM, UVIS	DEF	GAIN=1.5; FLASH=12	QESIPARM BLAD E B		0.5 Secs (0.5 Secs) [==>]	[1]

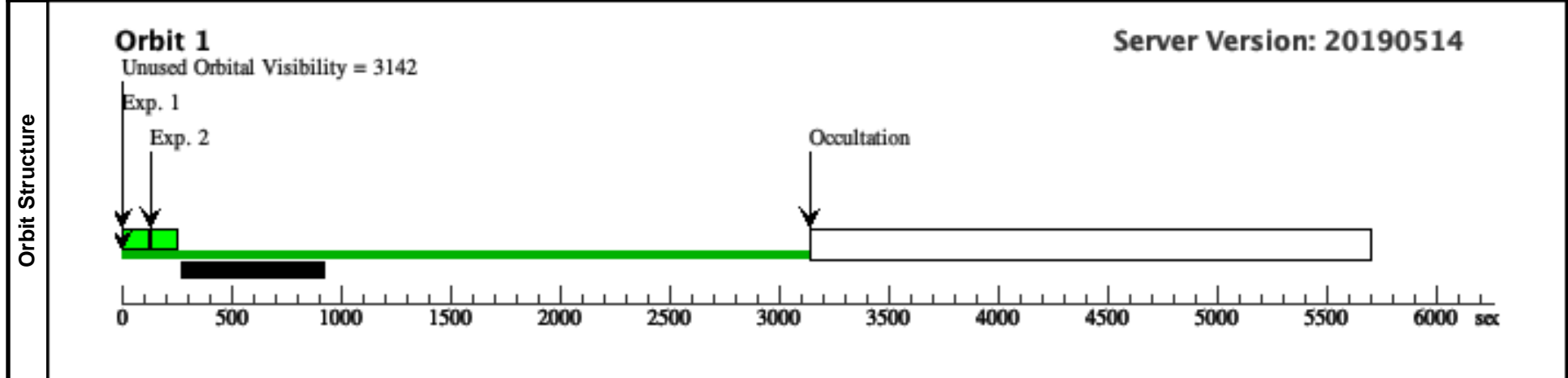


Proposal 13225 - Visit 07 - WFC3 SS Post Flash Check

Thu Oct 17 20:15:27 GMT 2019

Visit	Proposal 13225, Visit 07, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none) <i>Comments: 12e- flash on each shutter</i>									

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
		1	Bias Flashed 12	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	GAIN=1.5; FLASH=12	QESIPARM BLAD E A		0.5 Secs (0.5 Secs) [==>]
2		Bias Flashed 12	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	GAIN=1.5; FLASH=12	QESIPARM BLAD E B		0.5 Secs (0.5 Secs) [==>]	[1]

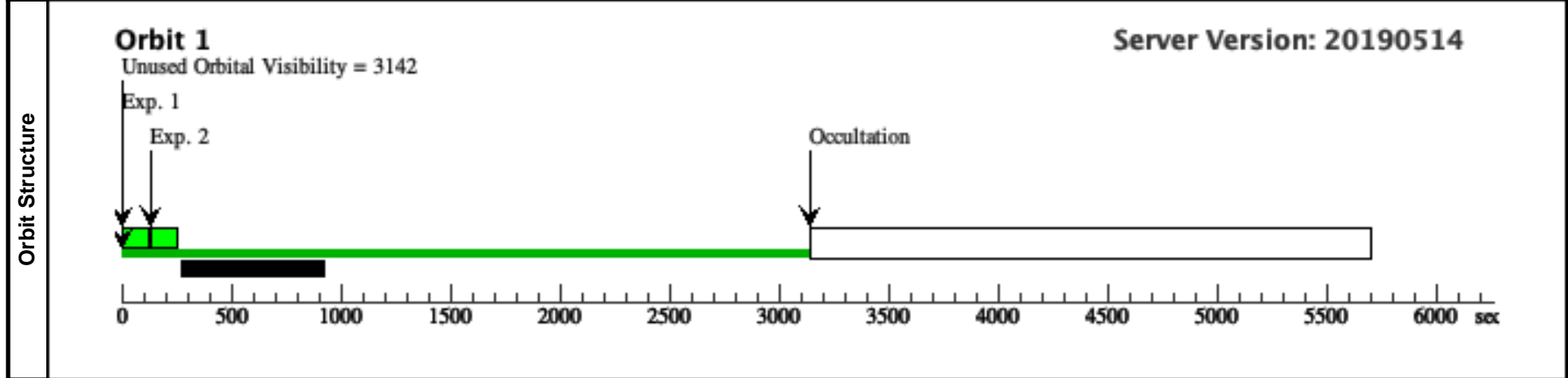


Proposal 13225 - Visit 08 - WFC3 SS Post Flash Check

Thu Oct 17 20:15:27 GMT 2019

Visit	Proposal 13225, Visit 08, implementation									
	Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: (none) <i>Comments: 12e- flash on each shutter</i>									

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	1	Bias Flashed	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	GAIN=1.5; FLASH=12	QESIPARM BLAD E A		0.5 Secs (0.5 Secs)
[==>]										[1]
2	2	Bias Flashed	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	GAIN=1.5; FLASH=12	QESIPARM BLAD E B		0.5 Secs (0.5 Secs)	
									[==>]	[1]



Proposal 13225 - subarray- low & medium current (09) - WFC3 SS Post Flash Check

Visit	<p>Proposal 13225, subarray- low & medium current (09), implementation</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: (none)</p> <p><i>Comments: This visit ensures sufficient data to generate a new post-flash caltable for APT.</i></p>	Thu Oct 17 20:15:27 GMT 2019
Diagnostics	<p>(subarray- low & medium current (09)) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU</p>	

Proposal 13225 - subarray- low & medium current (09) - WFC3 SS Post Flash Check

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
Exposures	1	full frame blade A	DARK	WFC3/UVIS, ACCUM, UVIS	DEF	FLASHCUR=LOW; FLASHEXP=30.0	QESIPARM BLAD E A	Sequence 1-26 Non-Int in subarray- low & medium current (09)	0.5 Secs (0.5 Secs) [==>]	[1]
	2	flash exp 0.1 blade A	DARK	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	DEF	FLASHEXP=0.1; FLASHCUR=LOW	QESIPARM BLAD E A	Sequence 1-26 Non-Int in subarray- low & medium current (09)	0.5 Secs (0.5 Secs) [==>]	[1]
	3	flash exp 0.2 blade A	DARK	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	DEF	FLASHEXP=0.2; FLASHCUR=LOW	QESIPARM BLAD E A	Sequence 1-26 Non-Int in subarray- low & medium current (09)	0.5 Secs (0.5 Secs) [==>]	[1]
	4	flash exp 0.3 blade A	DARK	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	DEF	FLASHEXP=0.3; FLASHCUR=LOW	QESIPARM BLAD E A	Sequence 1-26 Non-Int in subarray- low & medium current (09)	0.5 Secs (0.5 Secs) [==>]	[1]
	5	flash exp 0.4 blade A	DARK	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	DEF	FLASHEXP=0.4; FLASHCUR=LOW	QESIPARM BLAD E A	Sequence 1-26 Non-Int in subarray- low & medium current (09)	0.5 Secs (0.5 Secs) [==>]	[1]
	6	flash exp 0.6 blade A	DARK	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	DEF	FLASHEXP=0.6; FLASHCUR=LOW	QESIPARM BLAD E A	Sequence 1-26 Non-Int in subarray- low & medium current (09)	0.5 Secs (0.5 Secs) [==>]	[1]
	7	flash exp 0.9 blade A	DARK	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	DEF	FLASHEXP=0.9; FLASHCUR=LOW	QESIPARM BLAD E A	Sequence 1-26 Non-Int in subarray- low & medium current (09)	0.5 Secs (0.5 Secs) [==>]	[1]
	8	flash exp 1.2 blade A	DARK	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	DEF	FLASHEXP=1.2; FLASHCUR=LOW	QESIPARM BLAD E A	Sequence 1-26 Non-Int in subarray- low & medium current (09)	0.5 Secs (0.5 Secs) [==>]	[1]
	9	flash exp 1.6 blade A	DARK	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	DEF	FLASHEXP=1.6; FLASHCUR=LOW	QESIPARM BLAD E A	Sequence 1-26 Non-Int in subarray- low & medium current (09)	0.5 Secs (0.5 Secs) [==>]	[1]
	10	flash exp 2.5 blade A	DARK	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	DEF	FLASHEXP=2.5; FLASHCUR=LOW	QESIPARM BLAD E A	Sequence 1-26 Non-Int in subarray- low & medium current (09)	0.5 Secs (0.5 Secs) [==>]	[1]
	11	flash exp 4.0 blade A	DARK	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	DEF	FLASHEXP=4.0; FLASHCUR=LOW	QESIPARM BLAD E A	Sequence 1-26 Non-Int in subarray- low & medium current (09)	0.5 Secs (0.5 Secs) [==>]	[1]
	12	flash exp 8.0 blade A	DARK	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	DEF	FLASHEXP=8.0; FLASHCUR=LOW	QESIPARM BLAD E A	Sequence 1-26 Non-Int in subarray- low & medium current (09)	0.5 Secs (0.5 Secs) [==>]	[1]
	13	flash exp 16.0 blade A	DARK	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	DEF	FLASHEXP=16.0; FLASHCUR=LOW	QESIPARM BLAD E A	Sequence 1-26 Non-Int in subarray- low & medium current (09)	0.5 Secs (0.5 Secs) [==>]	[1]
	14	flash exp 0.1 blade B	DARK	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	DEF	FLASHEXP=0.1; FLASHCUR=LOW	QESIPARM BLAD E B	Sequence 1-26 Non-Int in subarray- low & medium current (09)	0.5 Secs (0.5 Secs) [==>]	[1]
	15	flash exp 0.2 blade B	DARK	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	DEF	FLASHEXP=0.2; FLASHCUR=LOW	QESIPARM BLAD E B	Sequence 1-26 Non-Int in subarray- low & medium current (09)	0.5 Secs (0.5 Secs) [==>]	[1]
	16	flash exp 0.3 blade B	DARK	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	DEF	FLASHEXP=0.3; FLASHCUR=LOW	QESIPARM BLAD E B	Sequence 1-26 Non-Int in subarray- low & medium current (09)	0.5 Secs (0.5 Secs) [==>]	[1]
	17	flash exp 0.4 blade B	DARK	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	DEF	FLASHEXP=0.4; FLASHCUR=LOW	QESIPARM BLAD E B	Sequence 1-26 Non-Int in subarray- low & medium current (09)	0.5 Secs (0.5 Secs) [==>]	[1]
	18	flash exp 0.6 blade B	DARK	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	DEF	FLASHEXP=0.6; FLASHCUR=LOW	QESIPARM BLAD E B	Sequence 1-26 Non-Int in subarray- low & medium current (09)	0.5 Secs (0.5 Secs) [==>]	[1]

Proposal 13225 - subarray- low & medium current (09) - WFC3 SS Post Flash Check

19	flash exp 0.9 DARK blade B	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	DEF	FLASHEXP=0.9; FLASHCUR=LOW	QESIPARM BLAD E B	Sequence 1-26 Non-Int in subarray- low & medium current (09)	0.5 Secs (0.5 Secs) [==>]	[1]
20	flash exp 1.2 DARK blade B	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	DEF	FLASHEXP=1.2; FLASHCUR=LOW	QESIPARM BLAD E B	Sequence 1-26 Non-Int in subarray- low & medium current (09)	0.5 Secs (0.5 Secs) [==>]	[1]
21	flash exp 1.6 DARK blade B	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	DEF	FLASHEXP=1.6; FLASHCUR=LOW	QESIPARM BLAD E B	Sequence 1-26 Non-Int in subarray- low & medium current (09)	0.5 Secs (0.5 Secs) [==>]	[1]
22	flash exp 2.5 DARK blade B	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	DEF	FLASHEXP=2.5; FLASHCUR=LOW	QESIPARM BLAD E B	Sequence 1-26 Non-Int in subarray- low & medium current (09)	0.5 Secs (0.5 Secs) [==>]	[1]
23	flash exp 4.0 DARK blade B	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	DEF	FLASHEXP=4.0; FLASHCUR=LOW	QESIPARM BLAD E A	Sequence 1-26 Non-Int in subarray- low & medium current (09)	0.5 Secs (0.5 Secs) [==>]	[1]
24	flash exp 8.0 DARK blade B	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	DEF	FLASHEXP=8.0; FLASHCUR=LOW	QESIPARM BLAD E B	Sequence 1-26 Non-Int in subarray- low & medium current (09)	0.5 Secs (0.5 Secs) [==>]	[1]
25	flash exp 16.0 DARK blade B	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	DEF	FLASHEXP=16.0; FLASHCUR=LOW	QESIPARM BLAD E B	Sequence 1-26 Non-Int in subarray- low & medium current (09)	0.5 Secs (0.5 Secs) [==>]	[1]
26	flash exp 30.0 DARK blade B	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	DEF	FLASHEXP=30; FLASHCUR=LOW	QESIPARM BLAD E B	Sequence 1-26 Non-Int in subarray- low & medium current (09)	0.5 Secs (0.5 Secs) [==>]	[1]
27	flash exp 0.2 DARK blade A	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	DEF	FLASHEXP=0.2; FLASHCUR=MEDIUM	QESIPARM BLAD E A	Sequence 27-51 Non-Int in subarray- low & medium current (09)	0.5 Secs (0.5 Secs) [==>]	[2]
28	flash exp 0.3 DARK blade A	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	DEF	FLASHEXP=0.3; FLASHCUR=MEDIUM	QESIPARM BLAD E A	Sequence 27-51 Non-Int in subarray- low & medium current (09)	0.5 Secs (0.5 Secs) [==>]	[2]
29	flash exp 0.4 DARK blade A	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	DEF	FLASHEXP=0.4; FLASHCUR=MEDIUM	QESIPARM BLAD E A	Sequence 27-51 Non-Int in subarray- low & medium current (09)	0.5 Secs (0.5 Secs) [==>]	[2]
30	flash exp 0.6 DARK blade A	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	DEF	FLASHEXP=0.6; FLASHCUR=MEDIUM	QESIPARM BLAD E A	Sequence 27-51 Non-Int in subarray- low & medium current (09)	0.5 Secs (0.5 Secs) [==>]	[2]
31	flash exp 0.9 DARK blade A	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	DEF	FLASHEXP=0.9; FLASHCUR=MEDIUM	QESIPARM BLAD E A	Sequence 27-51 Non-Int in subarray- low & medium current (09)	0.5 Secs (0.5 Secs) [==>]	[2]
32	flash exp 1.2 DARK blade A	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	DEF	FLASHEXP=1.2; FLASHCUR=MEDIUM	QESIPARM BLAD E A	Sequence 27-51 Non-Int in subarray- low & medium current (09)	0.5 Secs (0.5 Secs) [==>]	[2]
33	flash exp 1.6 DARK blade A	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	DEF	FLASHEXP=1.6; FLASHCUR=MEDIUM	QESIPARM BLAD E A	Sequence 27-51 Non-Int in subarray- low & medium current (09)	0.5 Secs (0.5 Secs) [==>]	[2]
34	flash exp 2.5 DARK blade A	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	DEF	FLASHEXP=2.5; FLASHCUR=MEDIUM	QESIPARM BLAD E A	Sequence 27-51 Non-Int in subarray- low & medium current (09)	0.5 Secs (0.5 Secs) [==>]	[2]

Proposal 13225 - subarray- low & medium current (09) - WFC3 SS Post Flash Check

35	flash exp 4.0 DARK blade A	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	DEF	FLASHEXP=4.0; FLASHCUR=MEDIUM	QESIPARM BLADE A	Sequence 27-51 Non-Int in subarray- low & medium current (09)	0.5 Secs (0.5 Secs) [==>]	[2]
36	flash exp 8.0 DARK blade A	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	DEF	FLASHEXP=8.0; FLASHCUR=MEDIUM	QESIPARM BLADE A	Sequence 27-51 Non-Int in subarray- low & medium current (09)	0.5 Secs (0.5 Secs) [==>]	[2]
37	flash exp 16.0 DARK blade A	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	DEF	FLASHEXP=16.0; FLASHCUR=MEDIUM	QESIPARM BLADE A	Sequence 27-51 Non-Int in subarray- low & medium current (09)	0.5 Secs (0.5 Secs) [==>]	[2]
38	flash exp 30.0 DARK blade A	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	DEF	FLASHEXP=30.0; FLASHCUR=MEDIUM	QESIPARM BLADE A	Sequence 27-51 Non-Int in subarray- low & medium current (09)	0.5 Secs (0.5 Secs) [==>]	[2]
39	full frame blade B	WFC3/UVIS, ACCUM, UVIS	DEF	FLASHCUR=MEDIUM; FLASHEXP=30.0	QESIPARM BLADE B	Sequence 27-51 Non-Int in subarray- low & medium current (09)	0.5 Secs (0.5 Secs) [==>]	[2]
40	flash exp 0.1 DARK blade B	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	DEF	FLASHEXP=0.1; FLASHCUR=MEDIUM	QESIPARM BLADE B	Sequence 27-51 Non-Int in subarray- low & medium current (09)	0.5 Secs (0.5 Secs) [==>]	[2]
41	flash exp 0.2 DARK blade B	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	DEF	FLASHEXP=0.2; FLASHCUR=MEDIUM	QESIPARM BLADE B	Sequence 27-51 Non-Int in subarray- low & medium current (09)	0.5 Secs (0.5 Secs) [==>]	[2]
42	flash exp 0.3 DARK blade B	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	DEF	FLASHEXP=0.3; FLASHCUR=MEDIUM	QESIPARM BLADE B	Sequence 27-51 Non-Int in subarray- low & medium current (09)	0.5 Secs (0.5 Secs) [==>]	[2]
43	flash exp 0.4 DARK blade B	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	DEF	FLASHEXP=0.4; FLASHCUR=MEDIUM	QESIPARM BLADE B	Sequence 27-51 Non-Int in subarray- low & medium current (09)	0.5 Secs (0.5 Secs) [==>]	[2]
44	flash exp 0.6 DARK blade B	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	DEF	FLASHEXP=0.6; FLASHCUR=MEDIUM	QESIPARM BLADE B	Sequence 27-51 Non-Int in subarray- low & medium current (09)	0.5 Secs (0.5 Secs) [==>]	[2]
45	flash exp 0.9 DARK blade B	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	DEF	FLASHEXP=0.9; FLASHCUR=MEDIUM	QESIPARM BLADE B	Sequence 27-51 Non-Int in subarray- low & medium current (09)	0.5 Secs (0.5 Secs) [==>]	[2]
46	flash exp 1.2 DARK blade B	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	DEF	FLASHEXP=1.2; FLASHCUR=MEDIUM	QESIPARM BLADE B	Sequence 27-51 Non-Int in subarray- low & medium current (09)	0.5 Secs (0.5 Secs) [==>]	[2]
47	flash exp 1.6 DARK blade B	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	DEF	FLASHEXP=1.6; FLASHCUR=MEDIUM	QESIPARM BLADE B	Sequence 27-51 Non-Int in subarray- low & medium current (09)	0.5 Secs (0.5 Secs) [==>]	[2]
48	flash exp 2.5 DARK blade B	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	DEF	FLASHEXP=2.5; FLASHCUR=MEDIUM	QESIPARM BLADE B	Sequence 27-51 Non-Int in subarray- low & medium current (09)	0.5 Secs (0.5 Secs) [==>]	[2]
49	flash exp 4.0 DARK blade B	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	DEF	FLASHEXP=4.0; FLASHCUR=MEDIUM	QESIPARM BLADE A	Sequence 27-51 Non-Int in subarray- low & medium current (09)	0.5 Secs (0.5 Secs) [==>]	[2]

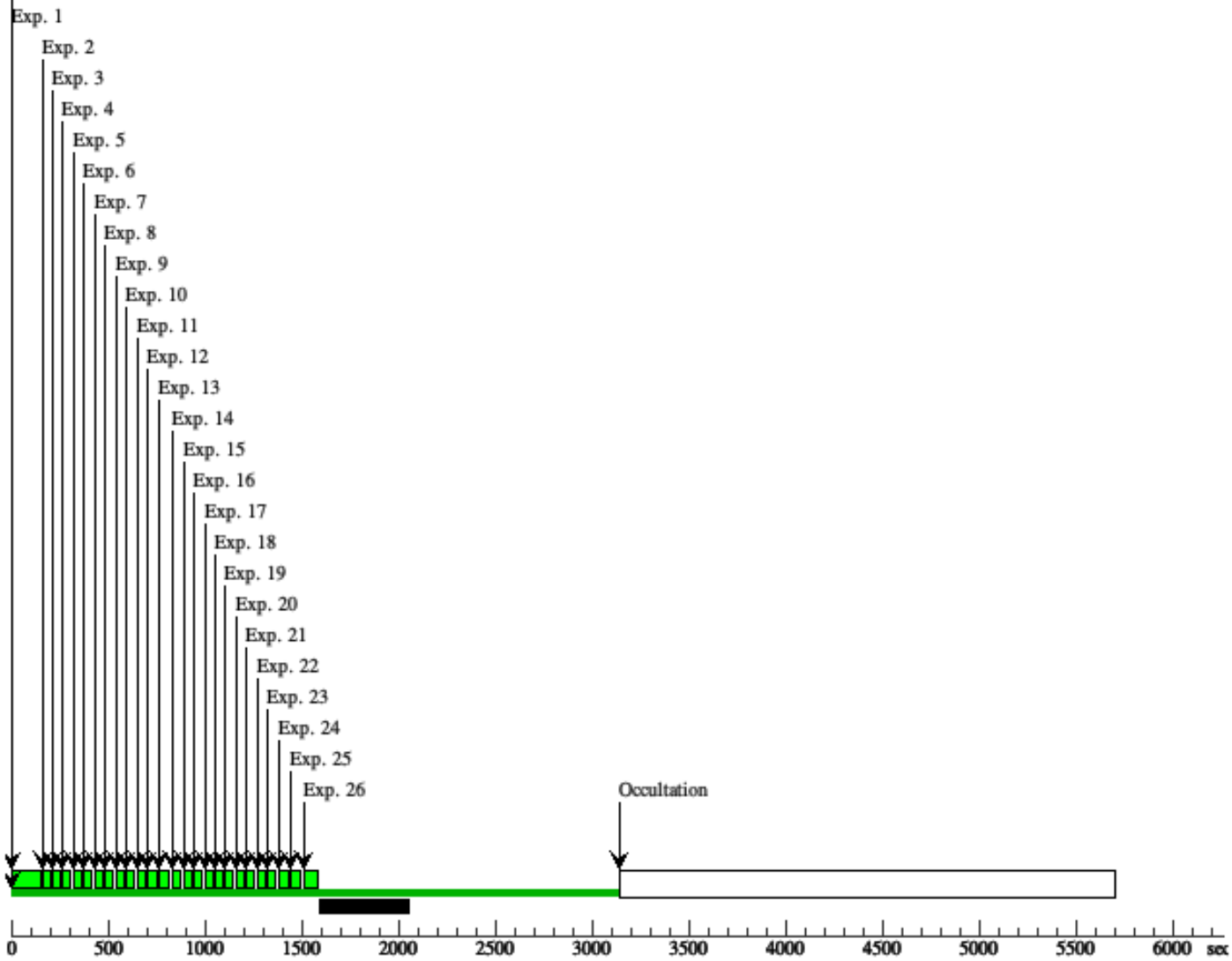
Proposal 13225 - subarray- low & medium current (09) - WFC3 SS Post Flash Check

50	flash exp 8.0 DARK blade B	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	DEF	FLASHEXP=8.0; FLASHCUR=MEDI UM	QESIPARM BLAD E B	Sequence 27-51 Non -Int in subarray- low & medium current (0 9)	0.5 Secs (0.5 Secs)	
							[==>]	[2]
51	flash exp 16.0 DARK 0 blade B	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	DEF	FLASHEXP=16.0; FLASHCUR=MEDI UM	QESIPARM BLAD E B	Sequence 27-51 Non -Int in subarray- low & medium current (0 9)	0.5 Secs (0.5 Secs)	
							[==>]	[2]

Orbit Structure

Orbit 1

Unused Orbital Visibility = 3142



Orbit 2

Server Version: 20190514

Exp. 27

Unused Orbital Visibility = 3142

Exp. 28

Exp. 29

Exp. 30

Exp. 31

Exp. 32

Exp. 33

Exp. 34

Exp. 35

Exp. 36

Exp. 37

Exp. 38

Exp. 39

Exp. 40

Exp. 41

Exp. 42

Exp. 43

Exp. 44

Exp. 45

Exp. 46

Exp. 47

Exp. 48

Exp. 49

Exp. 50

Exp. 51

Occultation

