



15769 - ACS Postflash Calibration

Cycle: 27, Proposal Category: CAL/ACS

(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	ACS/WFC	1	14-Aug-2019 18:08:29.0	yes
02	DARK	ACS/WFC	1	14-Aug-2019 18:08:30.0	yes
03	DARK	ACS/WFC	1	14-Aug-2019 18:08:30.0	yes
04	DARK	ACS/WFC	1	14-Aug-2019 18:08:31.0	yes
05	DARK	ACS/WFC	1	14-Aug-2019 18:08:31.0	yes
06	DARK	ACS/WFC	1	14-Aug-2019 18:08:32.0	yes

6 Total Orbits Used

ABSTRACT

This program will be used to create the yearly post-flash calibration reference image. It contains 6 exposure pairs with a post-flash level of 4774 and 63 electrons at a fixed DARKTIME (EXPTIME + FLASHDUR + COMMANDING).

OBSERVING DESCRIPTION

This internal program will take 6 pairs of short- and long-flashed darks to generate an annual post-flash reference file. The short flashed frames will have an exptime of 337 seconds and a post-flash level of 63 electrons (4.5 seconds), whereas the long flashed frames will have an exptime of 0.5

Proposal 15769 (STScI Edit Number: 0, Created: Wednesday, August 14, 2019 at 5:08:32 PM Eastern Standard Time) - Overview
seconds and a post-flash level of 4774 electrons (341 seconds). A post-flash level of 4774 electrons is 959 electrons below the highest possible level allowed in APT and will permit the parallelization of exposures and buffer dumps optimizing the required number of internal orbits.

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

We follow the same observing scheme from the previous year by taking short and long pairs of darks where the sum of the EXPTIME and FLASHDUR keywords is held fixed. The data for this program will be used to generate the yearly post-flash reference file.

----- Additional Comments -----

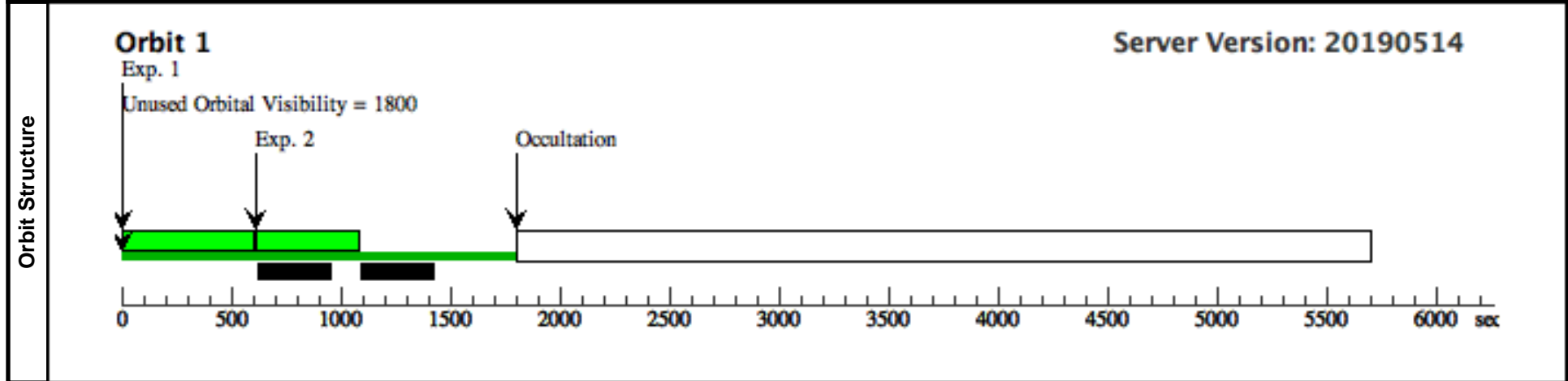
We would prefer the observations to be scheduled in November/December. The exposures should be taken all within the same WFC anneal period, and the GROUP-WITHIN ensures that the WFC hot pixels will not have changed significantly through the exposure sequence.

Proposal 15769 - Visit 01 - ACS Postflash Calibration

Wed Aug 14 22:08:32 GMT 2019

Visit	Proposal 15769, Visit 01									
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: ACS/WFC									
	Special Requirements: BETWEEN 01-NOV-2019:00:00:00 AND 31-DEC-2019:00:00:00; GROUP 01,02,03,04,05,06 WITHIN 3D; VISIBILITY INTERVAL 1800 S									

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	long-flash	DARK	ACS/WFC, ACCUM, WFC	DEF	FLASH=4774		Sequence 1-2 Non-Int in Visit 01	0.5 Secs (0.5 Secs)	[1]
2	short-flash	DARK	ACS/WFC, ACCUM, WFC	DEF	FLASH=63		Sequence 1-2 Non-Int in Visit 01	337 Secs (337 Secs)	[1]	

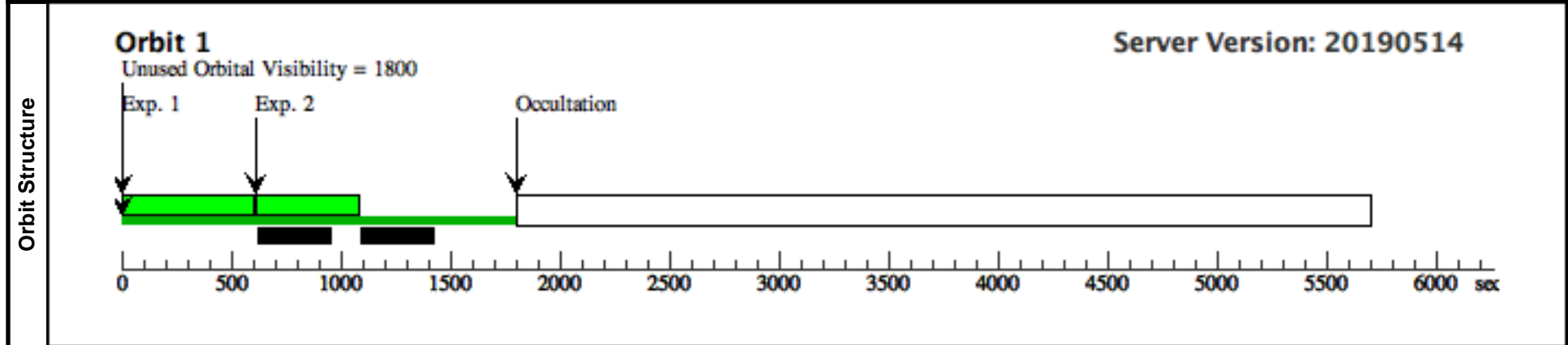


Proposal 15769 - Visit 02 - ACS Postflash Calibration

Wed Aug 14 22:08:32 GMT 2019

Visit	Proposal 15769, Visit 02									
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: ACS/WFC									
	Special Requirements: BETWEEN 01-NOV-2019:00:00:00 AND 31-DEC-2019:00:00:00; VISIBILITY INTERVAL 1800 S									

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	long-flash	DARK	ACS/WFC, ACCUM, WFC	DEF	FLASH=4774		Sequence 1-2 Non-Int in Visit 02	0.5 Secs (0.5 Secs)	
								[==>]	[1]	
2	short-flash	DARK	ACS/WFC, ACCUM, WFC	DEF	FLASH=63		Sequence 1-2 Non-Int in Visit 02	337 Secs (337 Secs)		
								[==>]	[1]	

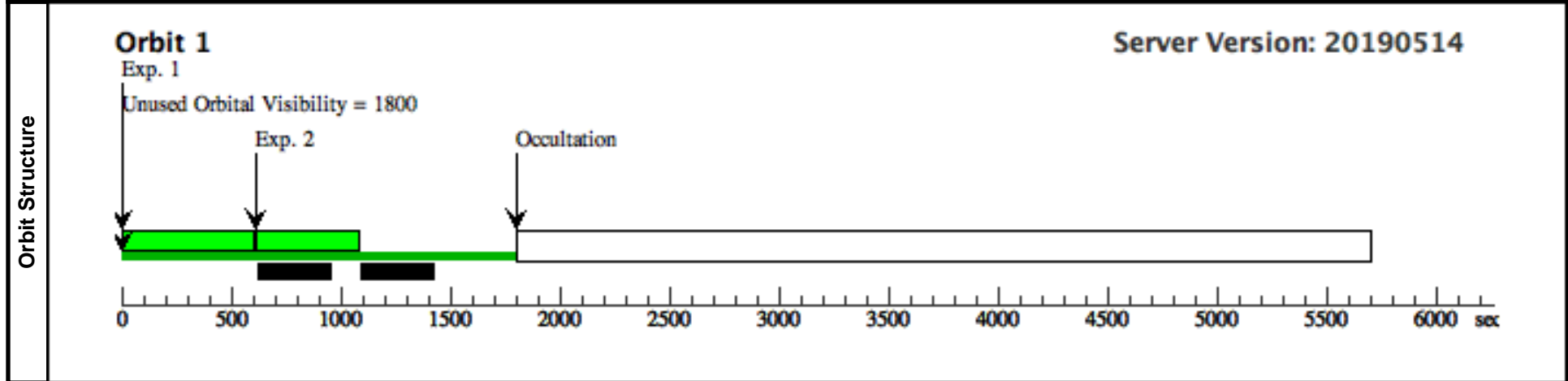


Proposal 15769 - Visit 03 - ACS Postflash Calibration

Wed Aug 14 22:08:32 GMT 2019

Visit	Proposal 15769, Visit 03									
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: ACS/WFC									
	Special Requirements: BETWEEN 01-NOV-2019:00:00:00 AND 31-DEC-2019:00:00:00; VISIBILITY INTERVAL 1800 S									

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	long-flash	DARK	ACS/WFC, ACCUM, WFC	DEF	FLASH=4774		Sequence 1-2 Non-Int in Visit 03	0.5 Secs (0.5 Secs)	
								[==>]	[1]	
2	short-flash	DARK	ACS/WFC, ACCUM, WFC	DEF	FLASH=63		Sequence 1-2 Non-Int in Visit 03	337 Secs (337 Secs)		
								[==>]	[1]	

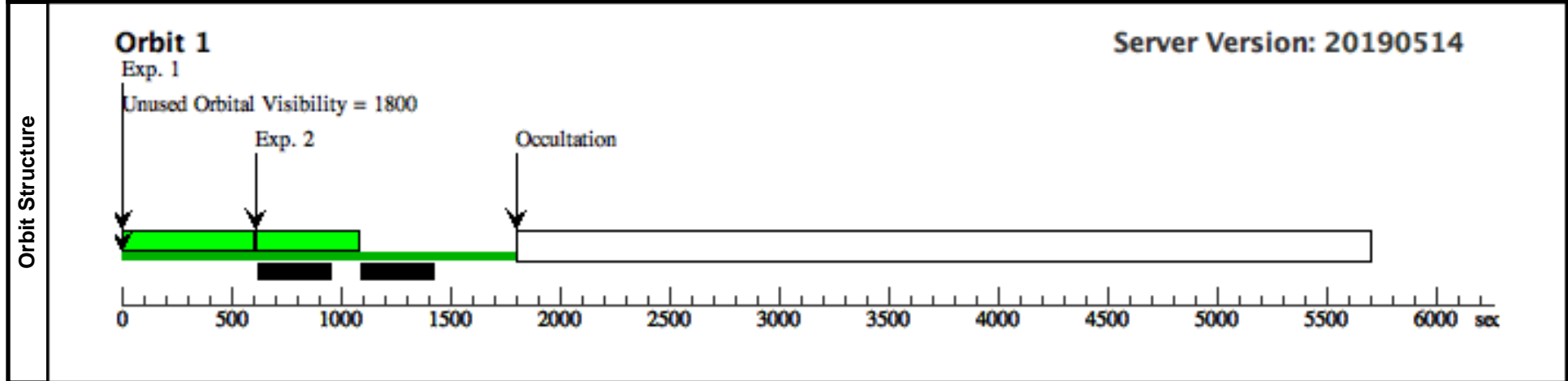


Proposal 15769 - Visit 04 - ACS Postflash Calibration

Wed Aug 14 22:08:32 GMT 2019

Visit	Proposal 15769, Visit 04									
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: ACS/WFC									
	Special Requirements: BETWEEN 01-NOV-2019:00:00:00 AND 31-DEC-2019:00:00:00; VISIBILITY INTERVAL 1800 S									

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	long-flash	DARK	ACS/WFC, ACCUM, WFC	DEF	FLASH=4774		Sequence 1-2 Non-Int in Visit 04	0.5 Secs (0.5 Secs)	
								[==>]	[1]	
2	short-flash	DARK	ACS/WFC, ACCUM, WFC	DEF	FLASH=63		Sequence 1-2 Non-Int in Visit 04	337 Secs (337 Secs)		
								[==>]	[1]	

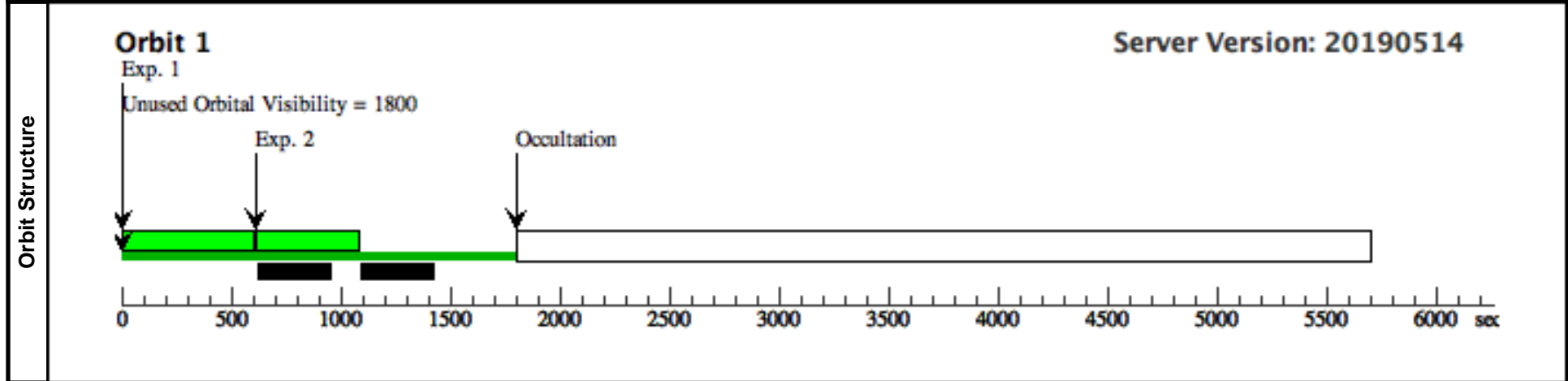


Proposal 15769 - Visit 05 - ACS Postflash Calibration

Wed Aug 14 22:08:32 GMT 2019

Visit	Proposal 15769, Visit 05									
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: ACS/WFC									
	Special Requirements: BETWEEN 01-NOV-2019:00:00:00 AND 31-DEC-2019:00:00:00; VISIBILITY INTERVAL 1800 S									

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	long-flash	DARK	ACS/WFC, ACCUM, WFC	DEF	FLASH=4774		Sequence 1-2 Non-Int in Visit 05	0.5 Secs (0.5 Secs)	[1]
2	short-flash	DARK	ACS/WFC, ACCUM, WFC	DEF	FLASH=63		Sequence 1-2 Non-Int in Visit 05	337 Secs (337 Secs)	[1]	



Proposal 15769 - Visit 06 - ACS Postflash Calibration

Wed Aug 14 22:08:33 GMT 2019

Visit	Proposal 15769, Visit 06									
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: ACS/WFC									
	Special Requirements: BETWEEN 01-NOV-2019:00:00:00 AND 31-DEC-2019:00:00:00; VISIBILITY INTERVAL 1800 S									

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	long-flash	DARK	ACS/WFC, ACCUM, WFC	DEF	FLASH=4774		Sequence 1-2 Non-Int in Visit 06	0.5 Secs (0.5 Secs)	
								[==>]	[1]	
2	short-flash	DARK	ACS/WFC, ACCUM, WFC	DEF	FLASH=63		Sequence 1-2 Non-Int in Visit 06	337 Secs (337 Secs)		
								[==>]	[1]	

