



## 15726 - WFC3 UVIS Shutter Monitoring

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	TUNGSTEN	WFC3/UVIS	1	10-Jul-2019 09:00:45.0	yes

1 Total Orbits Used

### ABSTRACT

We monitor the performance of the WFC3 UVIS shutter. The exposures need to be identical to those taken in previous cycles. Images with exposure times ranging from 0.5 to 17 seconds will be used to compare the photometric behavior of both shutter blades, for short vs long exposures and check for any shutter shading effects. Internal flats in each of the 4 amps will be used to monitor the repeatability and any shutter shading effects. We will continue to monitor the photometric behavior of blades A and B separately.

### OBSERVING DESCRIPTION

cal

Proposal 15726 - Visit 01 - WFC3 UVIS Shutter Monitoring

Wed Jul 10 13:00:46 GMT 2019

<b>Visit</b>	<b>Proposal 15726, Visit 01, implementation</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: WFC3/UVIS Special Requirements: GYRO MODE 3GOBAD; BETWEEN 01-MAR-2020:00:00:00 AND 01-JUL-2020:00:00:00
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<b>Diagnostics</b>	(Visit 01) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU (Flat0.5 (01.001)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Flat1.0 (01.002)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Flat17 (01.003)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser
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<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Flat0.5	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F555W					0.5 Secs X 2 (1 Secs) [==>(Copy 1)] [==>(Copy 2)]
<i>Comments: This assumes Tungsten lamp 3. (2800 e-/sec/pix through F555W in TV3 testing)</i>										
2	Flat1.0	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F555W					1.0 Secs X 2 (2 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
<i>Comments: This assumes Tungsten lamp 3. (2800 e-/sec/pix through F555W in TV3 testing)</i>										
3	Flat17	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F555W					17 Secs X 2 (34 Secs) [==>(Copy 1)] [==>(Copy 2)]	[1]
<i>Comments: This assumes Tungsten lamp 3. (2800 e-/sec/pix through F555W in TV3 testing)</i>										

