



## 16578 - WFC3 UVIS Shutter Monitoring

Cycle: 29, Proposal Category: CAL/WFC3

(Availability Mode: RESTRICTED)

### INVESTIGATORS

<i>Name</i>	<i>Institution</i>	<i>E-Mail</i>
<b>Dr. Kailash C. Sahu (PI) (Contact)</b>	<b>Space Telescope Science Institute</b>	<b>ksahu@stsci.edu</b>
Dr. Sylvia M. Baggett (CoI)	Space Telescope Science Institute	sbaggett@stsci.edu
Mireia Montes Quiles (CoI)	Space Telescope Science Institute	mmontesquiles@stsci.edu

### 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	30-Jun-2021 17:00:51.0	yes

1 Total Orbits Used

### ABSTRACT

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

### OBSERVING DESCRIPTION

cal

# Proposal 16578 - Visit 01 - WFC3 UVIS Shutter Monitoring

Wed Jun 30 21:00:51 GMT 2021

<b>Visit</b>	<b>Proposal 16578, Visit 01</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: WFC3/UVIS Special Requirements: BETWEEN 01-JAN-2022 AND 01-JUL-2022
--------------	--

<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
--------------------	---

<b>Exposures</b>	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Comments: This assumes Tungsten lamp 3. (2800 e-/sec/pix through F555W in TV3 testing)	1	Flat0.5	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F555W				0.5 Secs X 3 (1.5 Secs)	
									[=>(Copy 1)]	[1]
									[=>(Copy 2)]	
									[=>(Copy 3)]	
Comments: This assumes Tungsten lamp 3. (2800 e-/sec/pix through F555W in TV3 testing)	2	Flat1.0	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F555W				1.0 Secs X 2 (2 Secs)	
									[=>(Copy 1)]	[1]
									[=>(Copy 2)]	
Comments: This assumes Tungsten lamp 3. (2800 e-/sec/pix through F555W in TV3 testing)	3	Flat17	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F555W				17 Secs X 2 (34 Secs)	
									[=>(Copy 1)]	[1]
									[=>(Copy 2)]	

