



14882 - WFC3 UVIS shutter monitoring

Cycle: 24, Proposal Category: CAL/WFC3

(Availability Mode: RESTRICTED)

INVESTIGATORS

<i>Name</i>	<i>Institution</i>	<i>E-Mail</i>
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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	18-Sep-2017 17:04:07.0	yes
02	(1) BRIGHT-FAINT-PAIR	WFC3/UVIS	1	18-Sep-2017 17:04:11.0	yes
03	(1) BRIGHT-FAINT-PAIR	WFC3/UVIS	1	18-Sep-2017 17:04:15.0	yes

3 Total Orbits Used

ABSTRACT

This test is to monitor the performance of the WFC3 UVIS shutter. Images with exposure times ranging from 0.5 to 30 seconds will be used to quantify shutter shading, accuracy, and stability.

OBSERVING DESCRIPTION

cal

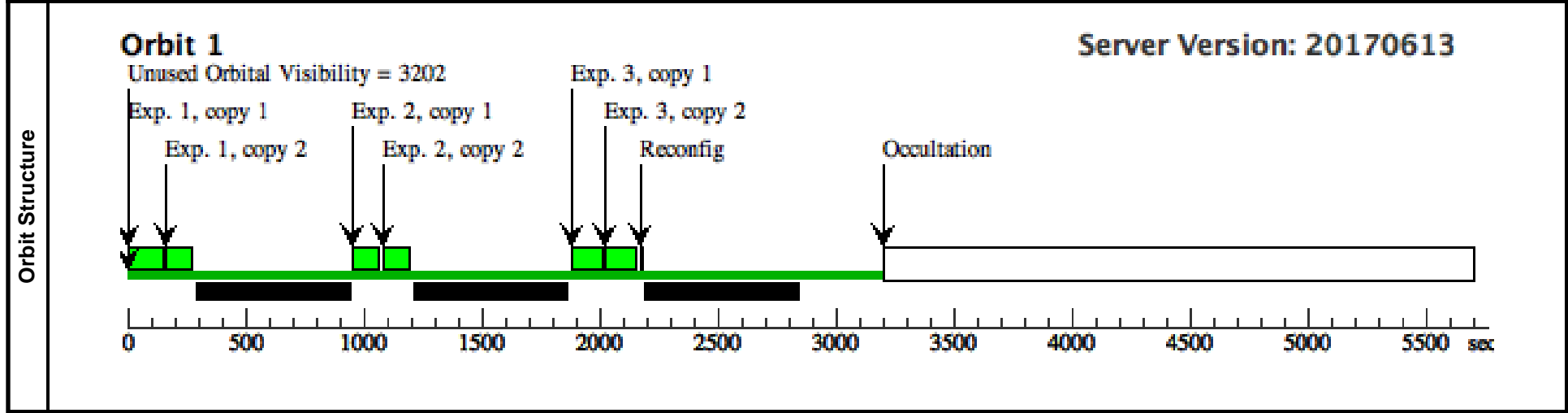
Proposal 14882 - Visit 01 - WFC3 UVIS shutter monitoring

Mon Sep 18 21:04:17 GMT 2017

Visit	<p>Proposal 14882, Visit 01, completed</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: GYRO MODE 3GOBAD</p>
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Diagnostics	<p>(Visit 01) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU</p> <p>(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</p> <p>(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</p> <p>(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</p>
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
<p>Comments: This assumes Tungsten lamp 3. (2800 e-/sec/pix through F555W in TV3 testing)</p> <p>Comments: This assumes Tungsten lamp 3. (2800 e-/sec/pix through F555W in TV3 testing)</p> <p>Comments: This assumes Tungsten lamp 3. (2800 e-/sec/pix through F555W in TV3 testing)</p>	1	Flat0.5	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F555W				0.5 Secs X 2 (1 Secs)	
									[==>(Copy 1)]	[1]
									[==>(Copy 2)]	
	2	Flat1.0	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F555W				1.0 Secs X 2 (2 Secs)	
									[==>(Copy 1)]	[1]
									[==>(Copy 2)]	
	3	Flat17	TUNGSTEN	WFC3/UVIS, ACCUM, UVIS	F555W				17 Secs X 2 (34 Secs)	
									[==>(Copy 1)]	[1]
									[==>(Copy 2)]	



Proposal 14882 - Visit 02 - WFC3 UVIS shutter monitoring

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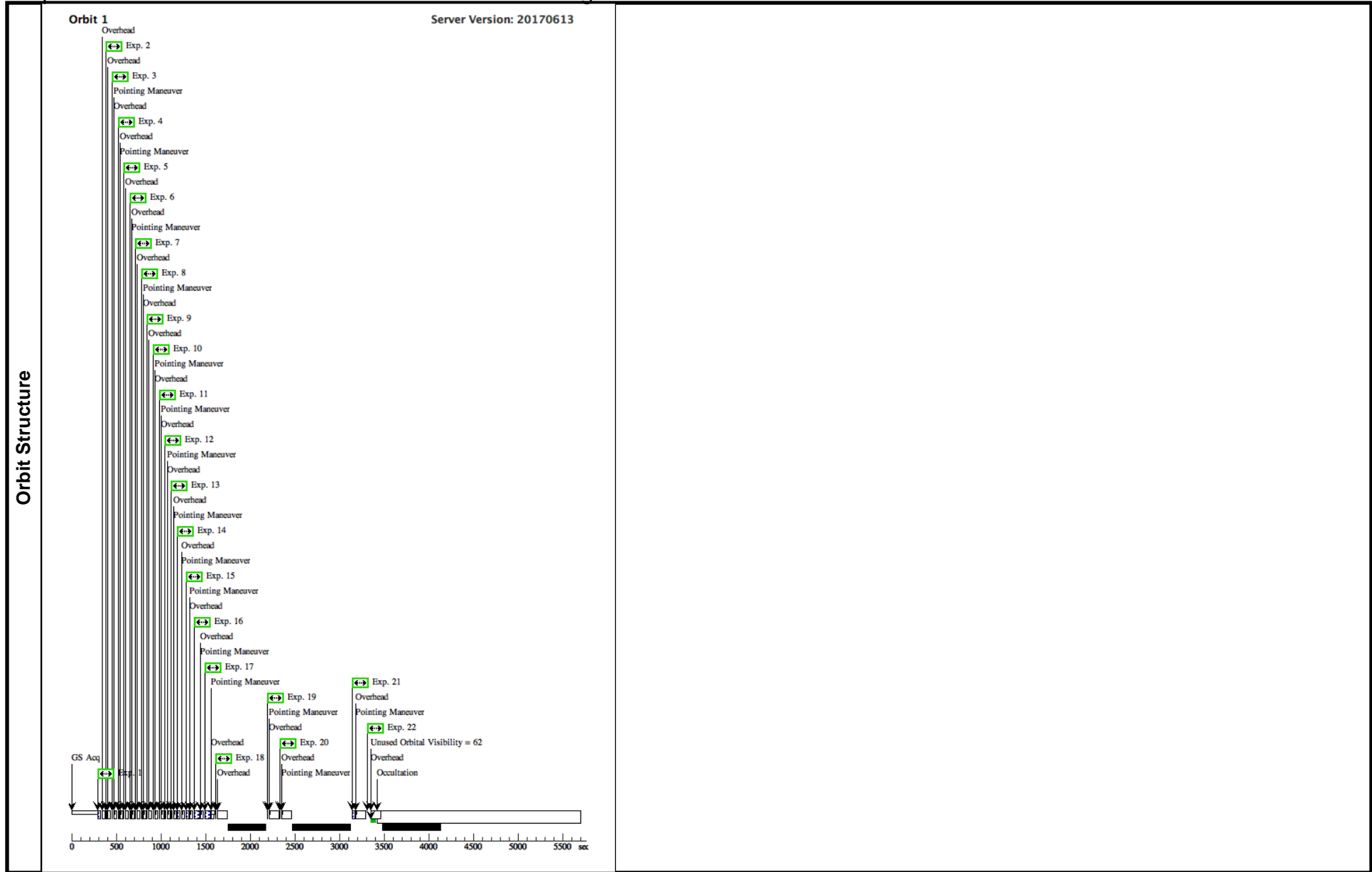
Visit	<p>Proposal 14882, Visit 02, completed</p> <p>Diagnostic Status: No Diagnostics</p> <p>Scientific Instruments: WFC3/UVIS</p> <p>Special Requirements: VISIBILITY INTERVAL 57 M</p> <p><i>Comments: Set of 0.5, to 30sec of a few stars with a range of magnitudes.</i></p>					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
(1)		BRIGHT-FAINT-PAIR	RA: 01 09 20.0000 (17.3333333d) Dec: -72 12 33.60 (-72.20933d) Equinox: J2000		V=8.5+/-4	Reference Frame: ICRS
	<i>Comments: Extended=NO</i>					

Proposal 14882 - Visit 02 - WFC3 UVIS shutter monitoring

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Star_0.5_1_sub_A	(1) BRIGHT-FAINT -PAIR	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	CR-SPLIT=NO; BLADE=A; FLASH=12			0.5 Secs (0.5 Secs) [==>]	[1]
	2	Star_0.5_1_sub_B	(1) BRIGHT-FAINT -PAIR	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	CR-SPLIT=NO; BLADE=B; FLASH=12			0.5 Secs (0.5 Secs) [==>]	[1]
	3	Star_0.5_2_sub_A	(1) BRIGHT-FAINT -PAIR	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	CR-SPLIT=NO; BLADE=A; FLASH=12			0.5 Secs (0.5 Secs) [==>]	[1]
	4	Star_0.5_2_sub_B	(1) BRIGHT-FAINT -PAIR	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	CR-SPLIT=NO; BLADE=B; FLASH=12	POS TARG -0.3,-0.3		0.5 Secs (0.5 Secs) [==>]	[1]
	5	Star_1_1_sub_A	(1) BRIGHT-FAINT -PAIR	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	CR-SPLIT=NO; BLADE=A; FLASH=12			1.0 Secs (1 Secs) [==>]	[1]
	6	Star_1_1_sub_B	(1) BRIGHT-FAINT -PAIR	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	CR-SPLIT=NO; BLADE=B; FLASH=12			1.0 Secs (1 Secs) [==>]	[1]
	7	Star_1_2_sub_A	(1) BRIGHT-FAINT -PAIR	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	CR-SPLIT=NO; BLADE=A; FLASH=12	POS TARG -0.3,-0.3		1.0 Secs (1 Secs) [==>]	[1]
	8	Star_1_2_sub_B	(1) BRIGHT-FAINT -PAIR	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	CR-SPLIT=NO; BLADE=B; FLASH=12	POS TARG -0.3,-0.3		1.0 Secs (1 Secs) [==>]	[1]
	9	Star_5_1_S_UB_A	(1) BRIGHT-FAINT -PAIR	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	CR-SPLIT=NO; FLASH=12			5.0 Secs (5 Secs) [==>]	[1]
	10	Star_5_1_S_UB_B	(1) BRIGHT-FAINT -PAIR	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	CR-SPLIT=NO; FLASH=12			5.0 Secs (5 Secs) [==>]	[1]
	11	Star_5_2_S_UB_A	(1) BRIGHT-FAINT -PAIR	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	CR-SPLIT=NO; FLASH=12	POS TARG -0.3,-0.3		5.0 Secs (5 Secs) [==>]	[1]
	12	Star_10_1_S_UB	(1) BRIGHT-FAINT -PAIR	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	CR-SPLIT=NO; FLASH=12			10.0 Secs (10 Secs) [==>]	[1]
	13	Star_10_2_S_UB	(1) BRIGHT-FAINT -PAIR	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	CR-SPLIT=NO; FLASH=12	POS TARG -0.3,-0.3		10.0 Secs (10 Secs) [==>]	[1]
	14	Star_30_1_S_UB	(1) BRIGHT-FAINT -PAIR	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	CR-SPLIT=NO; FLASH=12			30.0 Secs (30 Secs) [==>]	[1]
	15	Star_30_2_S_UB	(1) BRIGHT-FAINT -PAIR	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	CR-SPLIT=NO; FLASH=12	POS TARG -0.3,-0.3		30.0 Secs (30 Secs) [==>]	[1]
	16	Star_60_1_S_UB	(1) BRIGHT-FAINT -PAIR	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	CR-SPLIT=NO; FLASH=12			60.0 Secs (60 Secs) [==>]	[1]
17	Star_60_2_S_UB	(1) BRIGHT-FAINT -PAIR	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	CR-SPLIT=NO; FLASH=12	POS TARG -0.3,-0.3		60.0 Secs (60 Secs) [==>]	[1]	

Proposal 14882 - Visit 02 - WFC3 UVIS shutter monitoring

18	Star_0.5_1	(1) BRIGHT-FAINT -PAIR	WFC3/UVIS, ACCUM, UVIS2	F555W	CR-SPLIT=NO; BLADE=A; FLASH=12	0.5 Secs (0.5 Secs)	
						[==>]	[1]
19	Star_1_1	(1) BRIGHT-FAINT -PAIR	WFC3/UVIS, ACCUM, UVIS2	F555W	CR-SPLIT=NO; BLADE=A; FLASH=12	1.0 Secs (1 Secs)	
						[==>]	[1]
20	Star_1_2	(1) BRIGHT-FAINT -PAIR	WFC3/UVIS, ACCUM, UVIS2	F555W	CR-SPLIT=NO; POS TARG -0.3,-0.3 BLADE=A; FLASH=12	1.0 Secs (1 Secs)	
						[==>]	[1]
21	Star_30_1	(1) BRIGHT-FAINT -PAIR	WFC3/UVIS, ACCUM, UVIS2	F555W	CR-SPLIT=NO; FLASH=12	30.0 Secs (30 Secs)	
						[==>]	[1]
22	Star_30_2	(1) BRIGHT-FAINT -PAIR	WFC3/UVIS, ACCUM, UVIS2	F555W	CR-SPLIT=NO; POS TARG -0.3,-0.3 FLASH=12	30.0 Secs (30 Secs)	
						[==>]	[1]



Proposal 14882 - Visit 03 - WFC3 UVIS shutter monitoring

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Visit	Proposal 14882, Visit 03, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: VISIBILITY INTERVAL 57 M <i>Comments: Set of 0.5, to 30sec of a few stars with a range of magnitudes.</i>					
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes
(1)		BRIGHT-FAINT-PAIR	RA: 01 09 20.0000 (17.3333333d) Dec: -72 12 33.60 (-72.20933d) Equinox: J2000		V=8.5+/-4	Reference Frame: ICRS
	<i>Comments: Extended=NO</i>					

Proposal 14882 - Visit 03 - WFC3 UVIS shutter monitoring

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Star_0.5_1_sub_A	(1) BRIGHT-FAINT -PAIR	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	CR-SPLIT=NO; BLADE=A; FLASH=12			0.5 Secs (0.5 Secs) [==>]	[1]
	2	Star_0.5_1_sub_B	(1) BRIGHT-FAINT -PAIR	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	CR-SPLIT=NO; BLADE=B; FLASH=12			0.5 Secs (0.5 Secs) [==>]	[1]
	3	Star_0.5_2_sub_A	(1) BRIGHT-FAINT -PAIR	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	CR-SPLIT=NO; BLADE=A; FLASH=12			0.5 Secs (0.5 Secs) [==>]	[1]
	4	Star_0.5_2_sub_B	(1) BRIGHT-FAINT -PAIR	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	CR-SPLIT=NO; BLADE=B; FLASH=12	POS TARG -0.3,-0.3		0.5 Secs (0.5 Secs) [==>]	[1]
	5	Star_1_1_sub_A	(1) BRIGHT-FAINT -PAIR	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	CR-SPLIT=NO; BLADE=A; FLASH=12			1.0 Secs (1 Secs) [==>]	[1]
	6	Star_1_1_sub_B	(1) BRIGHT-FAINT -PAIR	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	CR-SPLIT=NO; BLADE=B; FLASH=12			1.0 Secs (1 Secs) [==>]	[1]
	7	Star_1_2_sub_A	(1) BRIGHT-FAINT -PAIR	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	CR-SPLIT=NO; BLADE=A; FLASH=12	POS TARG -0.3,-0.3		1.0 Secs (1 Secs) [==>]	[1]
	8	Star_1_2_sub_B	(1) BRIGHT-FAINT -PAIR	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	CR-SPLIT=NO; BLADE=B; FLASH=12	POS TARG -0.3,-0.3		1.0 Secs (1 Secs) [==>]	[1]
	9	Star_5_1_S_UB_A	(1) BRIGHT-FAINT -PAIR	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	CR-SPLIT=NO; FLASH=12			5.0 Secs (5 Secs) [==>]	[1]
	10	Star_5_1_S_UB_B	(1) BRIGHT-FAINT -PAIR	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	CR-SPLIT=NO; FLASH=12			5.0 Secs (5 Secs) [==>]	[1]
	11	Star_5_2_S_UB_A	(1) BRIGHT-FAINT -PAIR	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	CR-SPLIT=NO; FLASH=12	POS TARG -0.3,-0.3		5.0 Secs (5 Secs) [==>]	[1]
	12	Star_10_1_S_UB	(1) BRIGHT-FAINT -PAIR	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	CR-SPLIT=NO; FLASH=12			10.0 Secs (10 Secs) [==>]	[1]
	13	Star_10_2_S_UB	(1) BRIGHT-FAINT -PAIR	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	CR-SPLIT=NO; FLASH=12	POS TARG -0.3,-0.3		10.0 Secs (10 Secs) [==>]	[1]
	14	Star_30_1_S_UB	(1) BRIGHT-FAINT -PAIR	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	CR-SPLIT=NO; FLASH=12			30.0 Secs (30 Secs) [==>]	[1]
	15	Star_30_2_S_UB	(1) BRIGHT-FAINT -PAIR	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	CR-SPLIT=NO; FLASH=12	POS TARG -0.3,-0.3		30.0 Secs (30 Secs) [==>]	[1]
	16	Star_60_1_S_UB	(1) BRIGHT-FAINT -PAIR	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	CR-SPLIT=NO; FLASH=12			60.0 Secs (60 Secs) [==>]	[1]
17	Star_60_2_S_UB	(1) BRIGHT-FAINT -PAIR	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F555W	CR-SPLIT=NO; FLASH=12	POS TARG -0.3,-0.3		60.0 Secs (60 Secs) [==>]	[1]	

Proposal 14882 - Visit 03 - WFC3 UVIS shutter monitoring

18	Star_0.5_1	(1) BRIGHT-FAINT -PAIR	WFC3/UVIS, ACCUM, UVIS2	F555W	CR-SPLIT=NO; BLADE=A; FLASH=12	0.5 Secs (0.5 Secs)	
						[==>]	[1]
19	Star_1_1	(1) BRIGHT-FAINT -PAIR	WFC3/UVIS, ACCUM, UVIS2	F555W	CR-SPLIT=NO; BLADE=A; FLASH=12	1.0 Secs (1 Secs)	
						[==>]	[1]
20	Star_1_2	(1) BRIGHT-FAINT -PAIR	WFC3/UVIS, ACCUM, UVIS2	F555W	CR-SPLIT=NO; POS TARG -0.3,-0.3 BLADE=A; FLASH=12	1.0 Secs (1 Secs)	
						[==>]	[1]
21	Star_30_1	(1) BRIGHT-FAINT -PAIR	WFC3/UVIS, ACCUM, UVIS2	F555W	CR-SPLIT=NO; FLASH=12	30.0 Secs (30 Secs)	
						[==>]	[1]
22	Star_30_2	(1) BRIGHT-FAINT -PAIR	WFC3/UVIS, ACCUM, UVIS2	F555W	CR-SPLIT=NO; POS TARG -0.3,-0.3 FLASH=12	30.0 Secs (30 Secs)	
						[==>]	[1]

