



14815 - WFC3/UVIS contamination and stability monitor

Cycle: 24, 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	(1) GRW+70D5824	WFC3/UVIS	1	07-Sep-2016 18:40:43.0	yes
02	(1) GRW+70D5824	WFC3/UVIS	1	07-Sep-2016 18:40:46.0	yes
03	(1) GRW+70D5824	WFC3/UVIS	1	07-Sep-2016 18:40:50.0	yes
04	(1) GRW+70D5824	WFC3/UVIS	1	07-Sep-2016 18:40:53.0	yes
28	(2) GD153	WFC3/UVIS	1	07-Sep-2016 18:40:56.0	yes
29	(2) GD153	WFC3/UVIS	1	07-Sep-2016 18:40:59.0	yes
30	(2) GD153	WFC3/UVIS	1	07-Sep-2016 18:41:02.0	yes
31	(2) GD153	WFC3/UVIS	1	07-Sep-2016 18:41:04.0	yes
32	(2) GD153	WFC3/UVIS	1	07-Sep-2016 18:41:07.0	yes
33	(2) GD153	WFC3/UVIS	1	07-Sep-2016 18:41:10.0	yes
34	(2) GD153	WFC3/UVIS	1	07-Sep-2016 18:41:12.0	yes
35	(2) GD153	WFC3/UVIS	1	07-Sep-2016 18:41:15.0	yes

<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>
36	(2) GD153	WFC3/UVIS	1	07-Sep-2016 18:41:18.0	yes
37	(2) GD153	WFC3/UVIS	1	07-Sep-2016 18:41:20.0	yes

14 Total Orbits Used

ABSTRACT

This proposal acquires data to assess the photometric stability of the WFC3/UVIS camera. Throughput as a function of time, wavelength, and chip is monitored via images of spectrophotometric standard stars in a subset of filters. These data are also used in setting the WFC3/UVIS photometric zeropoints and if necessary, determining time-dependent corrections to those zeropoints.

OBSERVING DESCRIPTION

Each visit obtains dithered subarray observations of a white dwarf standard star on both chips through a subsample of filters in the UVIS (including the grism G280). The spectrophotometric white dwarf standard GRW+70D5824 has been used for past monitors on WFC3 and other HST instruments but recent analyses have cast doubt on the flux stability of the star. Using ground-based data, Bohlin & Landolt (2015, AJ 149, 122B) found 5-6 mmag/yr decrease in U and B (3 sigma significance) and ~3 mmag/yr decrease in VRI (2 sigma significance). WFC3 on-orbit data did not show a decrease in the UV throughput but instead a slight increase in F218W, F225W throughput (~1 mmag/yr), no change in F275W, F336W throughput, and a decrease in F606W and F814W throughput of 2-4 mmag/yr, respectively (Gosmeyer et al., ISR 2014-20). As a result, we transition to another white dwarf spectrophotometric standard (GD153), interspersing a small number of GRW+70 visits during the cycle to tie results from the new standard back to past monitor data.

9 visits GD153 spaced as evenly as possible

4 visits GRW+70, every 3 months

This program is a continuation of 14382 from Cycle 23, whose last visit runs the week of Dec 10, 2016.

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

Proposal 14815 - grw - iteration 1 (01) - WFC3/UVIS contamination and stability monitor

Wed Sep 07 22:41:22 GMT 2016

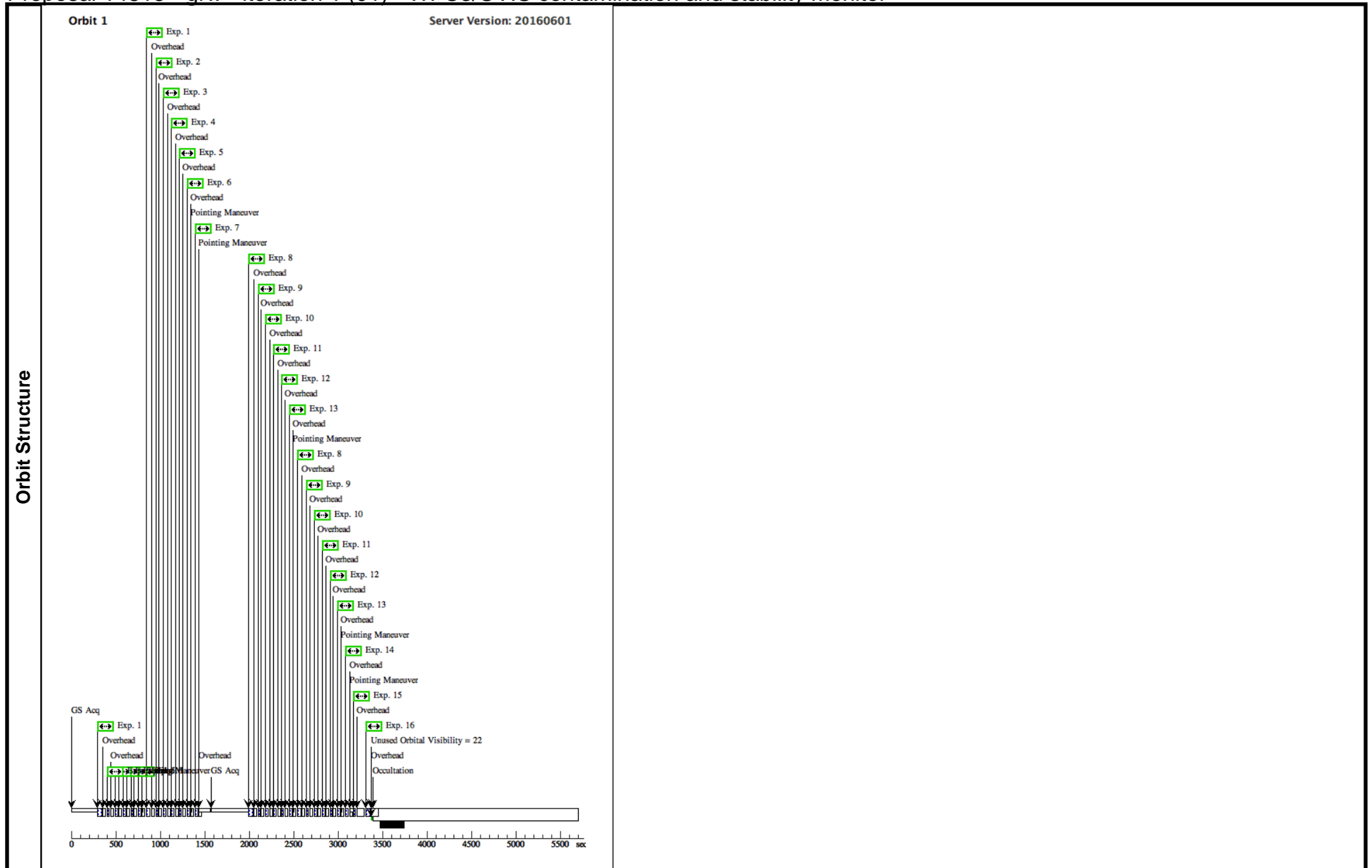
Visit	Proposal 14815, grw - iteration 1 (01), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 50%; BETWEEN 25-NOV-2016:00:00:00 AND 04-DEC-2016:23:59:59 <i>Comments: single orbit covering UVIS1, UVIS2, and grisms from both channels plus 2 short f225w after pattern</i>					
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(2)	Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-6), (8-13)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	GRW+70D5824 Alt Name1: PRIMARY	RA: 13 38 51.1700 (204.7132083d) Dec: +70 17 7.85 (70.28551d) Equinox: J2000	Proper Motion RA: -0.0798 sec of time/yr Proper Motion Dec: -0.0262 arcsec/yr Epoch of Position: 1991.25	V=12.77 B-V = -9.0e-2	Reference Frame: WFPC2 OBSERVATIONS

Proposal 14815 - grw - iteration 1 (01) - WFC3/UVIS contamination and stability monitor

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	F218W-UVI S1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F218W	CR-SPLIT=NO; FLASH=12.	Pattern 2, Exps 1-6 in grw - iteration 1 (01)(2)	17.6 Secs (35.2 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F225W-UVI S1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F225W	CR-SPLIT=NO; FLASH=12.	Pattern 2, Exps 1-6 in grw - iteration 1 (01)(2)	6.3 Secs (12.6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F275W-UVI S1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F275W	CR-SPLIT=NO; FLASH=12.	Pattern 2, Exps 1-6 in grw - iteration 1 (01)(2)	6.0 Secs (12 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F438W-UVI S1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F438W	CR-SPLIT=NO; FLASH=12.	Pattern 2, Exps 1-6 in grw - iteration 1 (01)(2)	3.1 Secs (6.2 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F606W-UVI S1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F606W	CR-SPLIT=NO; FLASH=12.	Pattern 2, Exps 1-6 in grw - iteration 1 (01)(2)	1.3 Secs (2.6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	F814W-UVI S1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F814W	CR-SPLIT=NO; FLASH=12.	Pattern 2, Exps 1-6 in grw - iteration 1 (01)(2)	6.2 Secs (12.4 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7	F336W-UVI S1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F336W	CR-SPLIT=NO; FLASH=12.0		4.0 Secs (4 Secs) [==>]	[1]
	8	F218W-UVI S2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F218W	CR-SPLIT=NO; FLASH=12.	Pattern 2, Exps 8-13 in grw - iteration 1 (01)(2)	17.6 Secs (35.2 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9	F225W-UVI S2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F225W	CR-SPLIT=NO; FLASH=12.0	Pattern 2, Exps 8-13 in grw - iteration 1 (01)(2)	6.3 Secs (12.6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10	F275W-UVI S2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F275W	CR-SPLIT=NO; FLASH=12.0	Pattern 2, Exps 8-13 in grw - iteration 1 (01)(2)	6.0 Secs (12 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11	F438W-UVI S2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	CR-SPLIT=NO; FLASH=12.0	Pattern 2, Exps 8-13 in grw - iteration 1 (01)(2)	3.1 Secs (6.2 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12	F606W-UVI S2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F606W	CR-SPLIT=NO; FLASH=12.	Pattern 2, Exps 8-13 in grw - iteration 1 (01)(2)	1.3 Secs (2.6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	13	F814W-UVI S2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F814W	CR-SPLIT=NO; FLASH=12.	Pattern 2, Exps 8-13 in grw - iteration 1 (01)(2)	6.2 Secs (12.4 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	14	F336W-UVI S2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F336W	CR-SPLIT=NO; FLASH=12.0		4.0 Secs (4 Secs) [==>]	[1]

Proposal 14815 - grw - iteration 1 (01) - WFC3/UVIS contamination and stability monitor

15	G280 reference image (F300X) subarray on chip 2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS	F300X	AMP=D; SIZEAXIS2=768; CENTERAXIS2=1026; FLASH=12.0	POS TARG 0.0,-50.	1.0 Secs (1 Secs)	[==>]	[1]
<p>Comments: Nominal "UVIS" aperture is ~10" above the chip gap on chip 1; a Y-postarg of about -50" places the target near the center of chip 2.</p> <p>SIZEAXIS2=768 is used to minimize data volume, while CENTERAXIS2 is used to center the subarray readout on the target location. The latter is set to 1026, to place the vertical center of the subarray at the vertical center of chip 2. These parameters are based upon similar observations obtained successfully in Cycle 17 (proposal 11934).</p>									
16	G280 image, chip2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS	G280	SIZEAXIS2=768; CENTERAXIS2=1026; AMP=D; FLASH=12.0	POS TARG 0.0,-50.	40. Secs (40 Secs)	[==>]	[1]
<p>Comments: Only "UVIS" aperture is allowed with G280, so a postarg is used to move the target to UVIS2. Nominal "UVIS" aperture is ~10" above the chip gap on chip 1; a Y-postarg of about -50" places the target near the center of chip 2.</p> <p>SIZEAXIS2=768 is used to minimize data volume, while CENTERAXIS2 is used to center the subarray readout on the target location. The latter is set to 1026, to place the vertical center of the subarray at the vertical center of chip 2. These parameters are based upon similar observations obtained successfully in Cycle 17 (proposal 11934).</p>									



Proposal 14815 - grw - iteration 2 (02) - WFC3/UVIS contamination and stability monitor

Wed Sep 07 22:41:22 GMT 2016

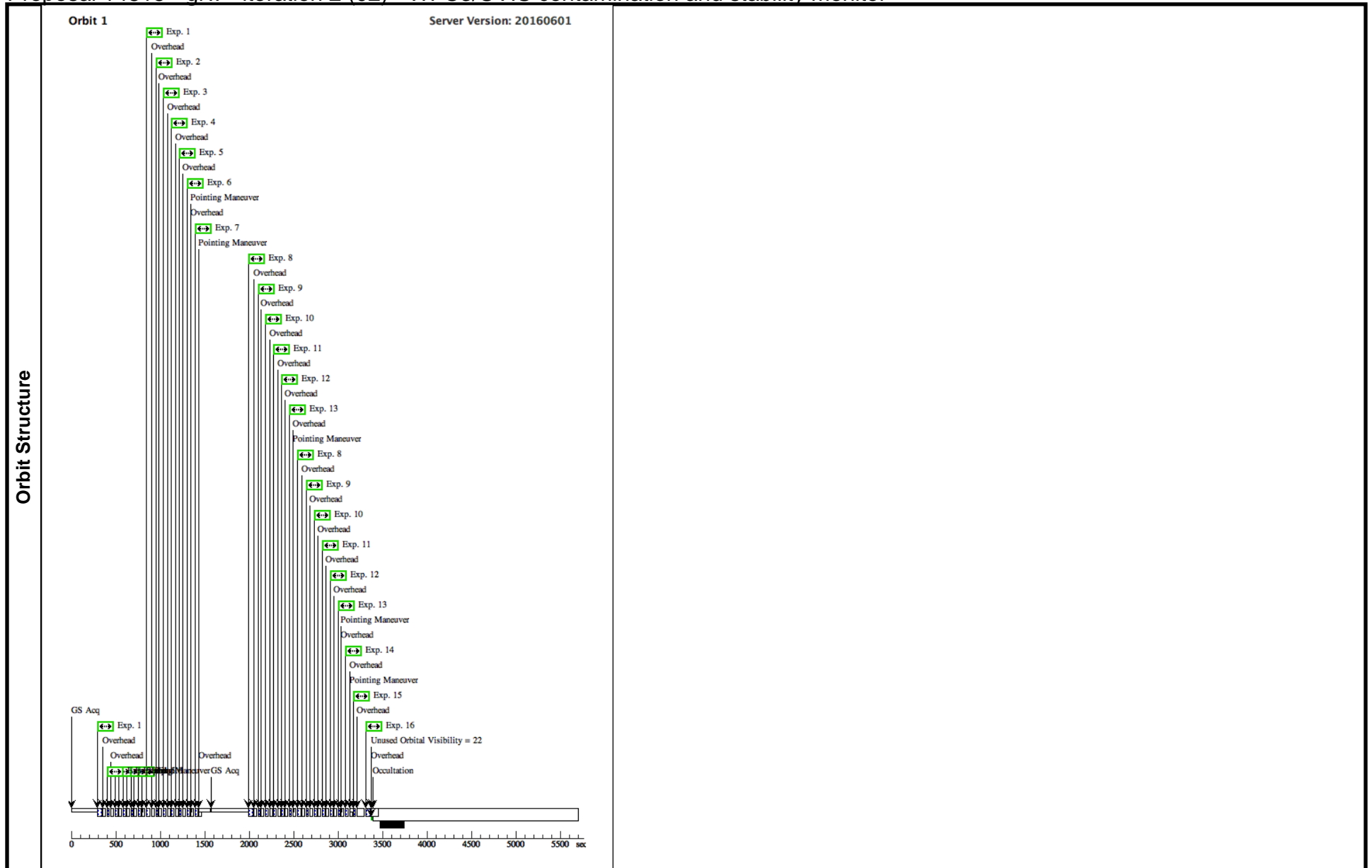
Visit	Proposal 14815, grw - iteration 2 (02), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 50%; BETWEEN 01-MAR-2017:00:00:00 AND 10-MAR-2017:23:59:59 <i>Comments: single orbit covering UVIS1, UVIS2, and grisms from both channels plus 2 short f225w after pattern</i>					
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(2)	Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-6), (8-13)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	GRW+70D5824 Alt Name1: PRIMARY	RA: 13 38 51.1700 (204.7132083d) Dec: +70 17 7.85 (70.28551d) Equinox: J2000	Proper Motion RA: -0.0798 sec of time/yr Proper Motion Dec: -0.0262 arcsec/yr Epoch of Position: 1991.25	V=12.77 B-V = -9.0e-2	Reference Frame: WFPC2 OBSERVATIONS

Proposal 14815 - grw - iteration 2 (02) - WFC3/UVIS contamination and stability monitor

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	F218W-UVI S1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F218W	CR-SPLIT=NO; FLASH=12.	Pattern 2, Exps 1-6 in grw - iteration 2 (0 2)(2)	17.6 Secs (35.2 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F225W-UVI S1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F225W	CR-SPLIT=NO; FLASH=12.	Pattern 2, Exps 1-6 in grw - iteration 2 (0 2)(2)	6.3 Secs (12.6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F275W-UVI S1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F275W	CR-SPLIT=NO; FLASH=12.	Pattern 2, Exps 1-6 in grw - iteration 2 (0 2)(2)	6.0 Secs (12 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F438W-UVI S1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F438W	CR-SPLIT=NO; FLASH=12.	Pattern 2, Exps 1-6 in grw - iteration 2 (0 2)(2)	3.1 Secs (6.2 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F606W-UVI S1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F606W	CR-SPLIT=NO; FLASH=12.	Pattern 2, Exps 1-6 in grw - iteration 2 (0 2)(2)	1.3 Secs (2.6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	F814W-UVI S1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F814W	CR-SPLIT=NO; FLASH=12.	Pattern 2, Exps 1-6 in grw - iteration 2 (0 2)(2)	6.2 Secs (12.4 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7	F336W-UVI S1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F336W	CR-SPLIT=NO; FLASH=12.0		4.0 Secs (4 Secs) [==>]	[1]
	8	F218W-UVI S2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F218W	CR-SPLIT=NO; FLASH=12.	Pattern 2, Exps 8-13 in grw - iteration 2 (0 2)(2)	17.6 Secs (35.2 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9	F225W-UVI S2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F225W	CR-SPLIT=NO; FLASH=12.0	Pattern 2, Exps 8-13 in grw - iteration 2 (0 2)(2)	6.3 Secs (12.6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10	F275W-UVI S2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F275W	CR-SPLIT=NO; FLASH=12.0	Pattern 2, Exps 8-13 in grw - iteration 2 (0 2)(2)	6.0 Secs (12 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11	F438W-UVI S2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	CR-SPLIT=NO; FLASH=12.0	Pattern 2, Exps 8-13 in grw - iteration 2 (0 2)(2)	3.1 Secs (6.2 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12	F814W-UVI S2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F814W	CR-SPLIT=NO; FLASH=12.	Pattern 2, Exps 8-13 in grw - iteration 2 (0 2)(2)	6.2 Secs (12.4 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	13	F606W-UVI S2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F606W	CR-SPLIT=NO; FLASH=12.	Pattern 2, Exps 8-13 in grw - iteration 2 (0 2)(2)	1.3 Secs (2.6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	14	F336W-UVI S2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F336W	CR-SPLIT=NO; FLASH=12.0		4.0 Secs (4 Secs) [==>]	[1]

Proposal 14815 - grw - iteration 2 (02) - WFC3/UVIS contamination and stability monitor

15	G280 reference image (F300X) subarray on chip 2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS	F300X	AMP=D; SIZEAXIS2=768; CENTERAXIS2=1026; FLASH=12.0	POS TARG 0.0,-50.	1.0 Secs (1 Secs)	[==>]	[1]
<p>Comments: Nominal "UVIS" aperture is ~10" above the chip gap on chip 1; a Y-postarg of about -50" places the target near the center of chip 2.</p>									
<p>SIZEAXIS2=768 is used to minimize data volume, while CENTERAXIS2 is used to center the subarray readout on the target location. The latter is set to 1026, to place the vertical center of the subarray at the vertical center of chip 2. These parameters are based upon similar observations obtained successfully in Cycle 17 (proposal 11934).</p>									
16	G280 image, chip2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS	G280	SIZEAXIS2=768; CENTERAXIS2=1026; AMP=D; FLASH=12.0	POS TARG 0.0,-50.	40. Secs (40 Secs)	[==>]	[1]
<p>Comments: Only "UVIS" aperture is allowed with G280, so a postarg is used to move the target to UVIS2. Nominal "UVIS" aperture is ~10" above the chip gap on chip 1; a Y-postarg of about -50" places the target near the center of chip 2.</p>									
<p>SIZEAXIS2=768 is used to minimize data volume, while CENTERAXIS2 is used to center the subarray readout on the target location. The latter is set to 1026, to place the vertical center of the subarray at the vertical center of chip 2. These parameters are based upon similar observations obtained successfully in Cycle 17 (proposal 11934).</p>									



Proposal 14815 - grw - iteration 3 (03) - WFC3/UVIS contamination and stability monitor

Wed Sep 07 22:41:23 GMT 2016

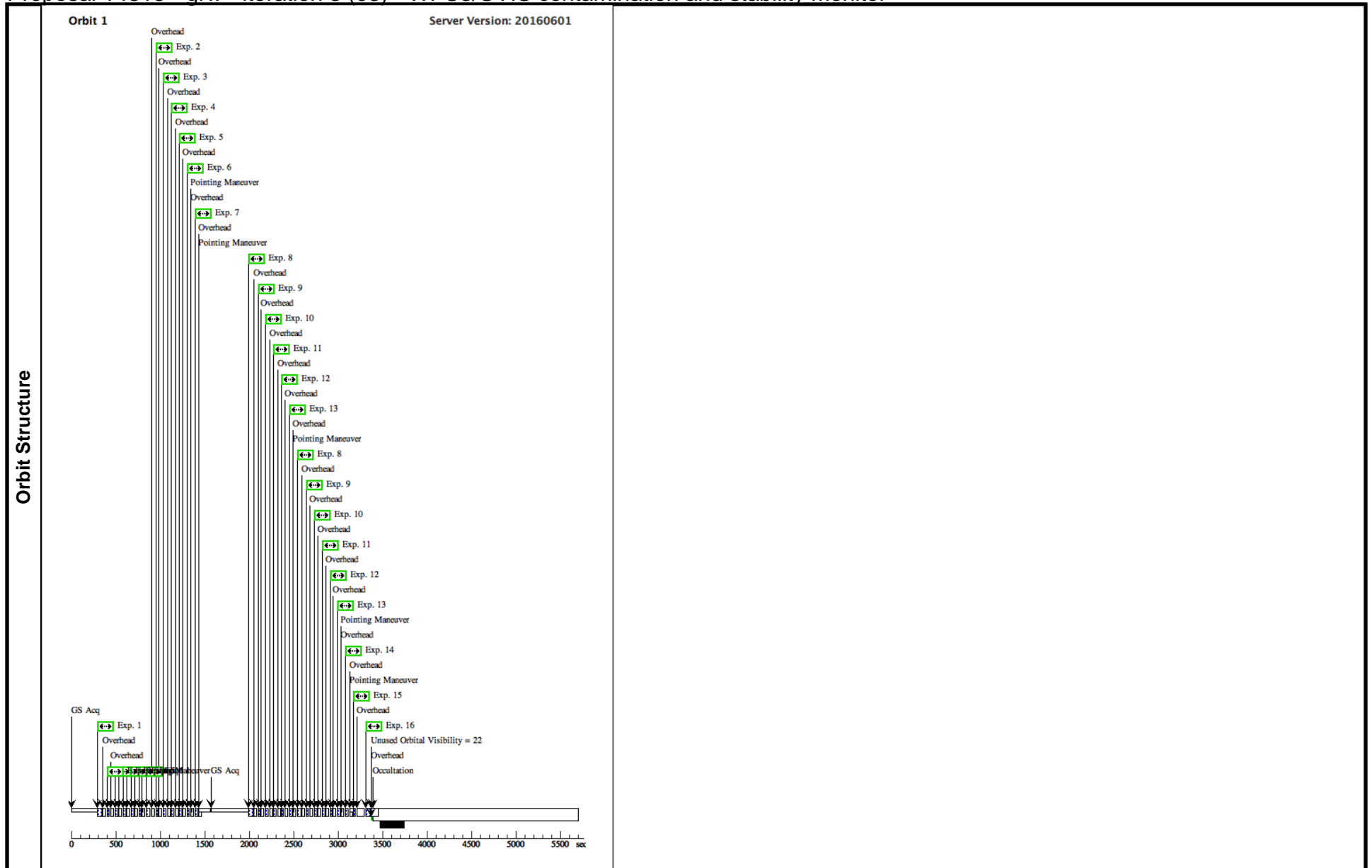
Visit	Proposal 14815, grw - iteration 3 (03), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 50%; BETWEEN 31-MAY-2017:00:00:00 AND 09-JUN-2017:23:59:59 <i>Comments: single orbit covering UVIS1, UVIS2, and grisms from both channels plus 2 short f225w after pattern</i>					
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(2)	Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-6), (8-13)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	GRW+70D5824 Alt Name1: PRIMARY	RA: 13 38 51.1700 (204.7132083d) Dec: +70 17 7.85 (70.28551d) Equinox: J2000	Proper Motion RA: -0.0798 sec of time/yr Proper Motion Dec: -0.0262 arcsec/yr Epoch of Position: 1991.25	V=12.77 B-V = -9.0e-2	Reference Frame: WFPC2 OBSERVATIONS

Proposal 14815 - grw - iteration 3 (03) - WFC3/UVIS contamination and stability monitor

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	F218W-UVI S1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F218W	CR-SPLIT=NO; FLASH=12.	Pattern 2, Exps 1-6 in grw - iteration 3 (03) (2)	17.6 Secs (35.2 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F225W-UVI S1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F225W	CR-SPLIT=NO; FLASH=12.	Pattern 2, Exps 1-6 in grw - iteration 3 (03) (2)	6.3 Secs (12.6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F275W-UVI S1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F275W	CR-SPLIT=NO; FLASH=12.	Pattern 2, Exps 1-6 in grw - iteration 3 (03) (2)	6.0 Secs (12 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F438W-UVI S1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F438W	CR-SPLIT=NO; FLASH=12.	Pattern 2, Exps 1-6 in grw - iteration 3 (03) (2)	3.1 Secs (6.2 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F814W-UVI S1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F814W	CR-SPLIT=NO; FLASH=12.	Pattern 2, Exps 1-6 in grw - iteration 3 (03) (2)	6.2 Secs (12.4 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	F606W-UVI S1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F606W	CR-SPLIT=NO; FLASH=12.	Pattern 2, Exps 1-6 in grw - iteration 3 (03) (2)	1.3 Secs (2.6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7	F336W-UVI S1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F336W	CR-SPLIT=NO; FLASH=12.0		4.0 Secs (4 Secs) [==>]	[1]
	8	F218W-UVI S2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F218W	CR-SPLIT=NO; FLASH=12.	Pattern 2, Exps 8-13 in grw - iteration 3 (03) (2)	17.6 Secs (35.2 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9	F225W-UVI S2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F225W	CR-SPLIT=NO; FLASH=12.0	Pattern 2, Exps 8-13 in grw - iteration 3 (03) (2)	6.3 Secs (12.6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10	F275W-UVI S2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F275W	CR-SPLIT=NO; FLASH=12.0	Pattern 2, Exps 8-13 in grw - iteration 3 (03) (2)	6.0 Secs (12 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11	F438W-UVI S2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	CR-SPLIT=NO; FLASH=12.0	Pattern 2, Exps 8-13 in grw - iteration 3 (03) (2)	3.1 Secs (6.2 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12	F606W-UVI S2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F606W	CR-SPLIT=NO; FLASH=12.	Pattern 2, Exps 8-13 in grw - iteration 3 (03) (2)	1.3 Secs (2.6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	13	F814W-UVI S2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F814W	CR-SPLIT=NO; FLASH=12.	Pattern 2, Exps 8-13 in grw - iteration 3 (03) (2)	6.2 Secs (12.4 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	14	F336W-UVI S2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F336W	CR-SPLIT=NO; FLASH=12.0		4.0 Secs (4 Secs) [==>]	[1]

Proposal 14815 - grw - iteration 3 (03) - WFC3/UVIS contamination and stability monitor

15	G280 reference image (F300X) subarray on chip 2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS	F300X	AMP=D; SIZEAXIS2=768; CENTERAXIS2=1026; FLASH=12.0	POS TARG 0.0,-50.	1.0 Secs (1 Secs)	[==>]	[1]
<p>Comments: Nominal "UVIS" aperture is ~10" above the chip gap on chip 1; a Y-postarg of about -50" places the target near the center of chip 2.</p> <p>SIZEAXIS2=768 is used to minimize data volume, while CENTERAXIS2 is used to center the subarray readout on the target location. The latter is set to 1026, to place the vertical center of the subarray at the vertical center of chip 2. These parameters are based upon similar observations obtained successfully in Cycle 17 (proposal 11934).</p>									
16	G280 image, chip2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS	G280	SIZEAXIS2=768; CENTERAXIS2=1026; AMP=D; FLASH=12.0	POS TARG 0.0,-50.	40. Secs (40 Secs)	[==>]	[1]
<p>Comments: Only "UVIS" aperture is allowed with G280, so a postarg is used to move the target to UVIS2. Nominal "UVIS" aperture is ~10" above the chip gap on chip 1; a Y-postarg of about -50" places the target near the center of chip 2.</p> <p>SIZEAXIS2=768 is used to minimize data volume, while CENTERAXIS2 is used to center the subarray readout on the target location. The latter is set to 1026, to place the vertical center of the subarray at the vertical center of chip 2. These parameters are based upon similar observations obtained successfully in Cycle 17 (proposal 11934).</p>									



Proposal 14815 - grw - iteration 4 (04) - WFC3/UVIS contamination and stability monitor

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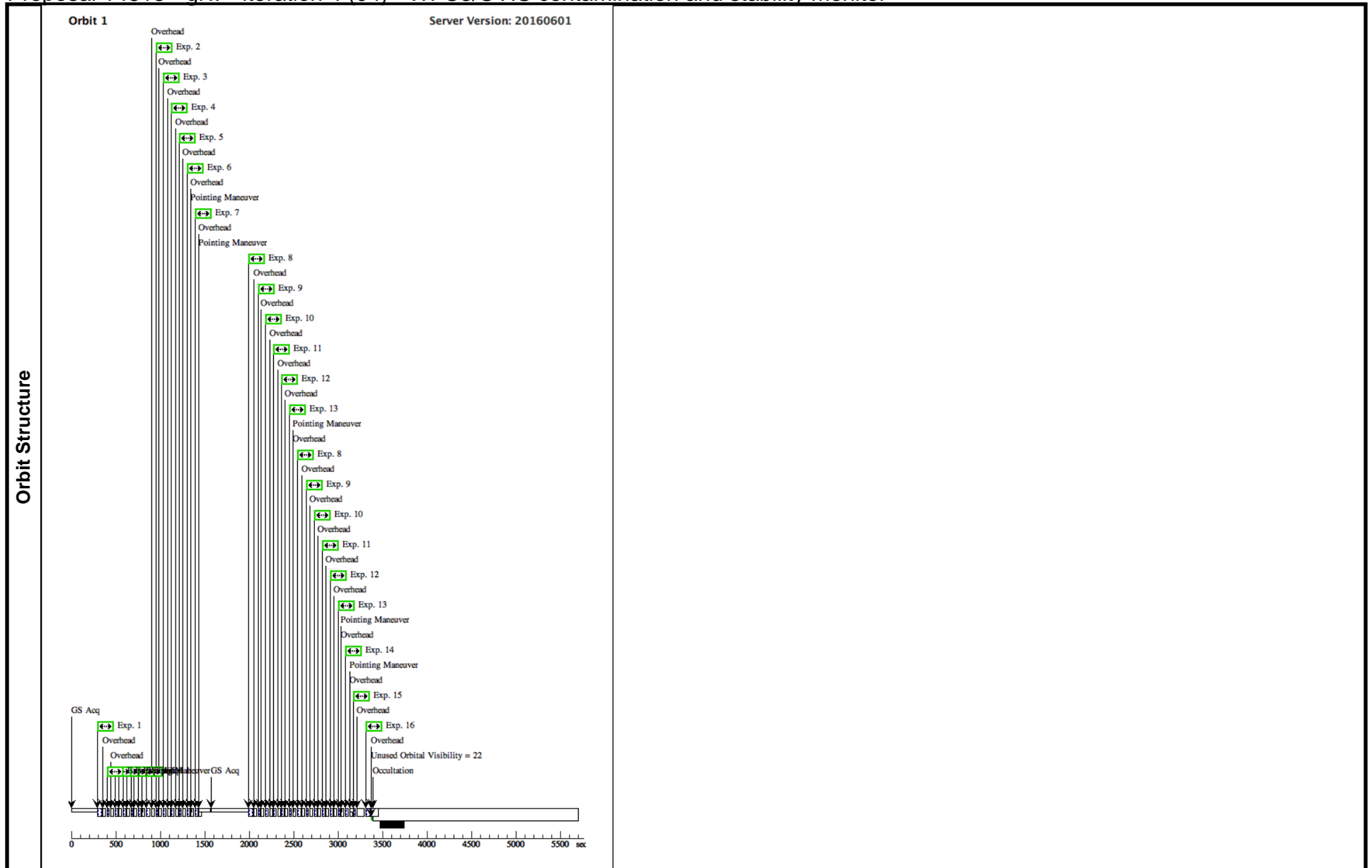
Visit	Proposal 14815, grw - iteration 4 (04), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 50%; BETWEEN 01-SEP-2017:00:00:00 AND 10-SEP-2017:23:59:59 <i>Comments: single orbit covering UVIS1, UVIS2, and grisms from both channels plus 2 short f225w after pattern</i>					
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(2)	Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-6), (8-13)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	GRW+70D5824 Alt Name1: PRIMARY	RA: 13 38 51.1700 (204.7132083d) Dec: +70 17 7.85 (70.28551d) Equinox: J2000	Proper Motion RA: -0.0798 sec of time/yr Proper Motion Dec: -0.0262 arcsec/yr Epoch of Position: 1991.25	V=12.77 B-V = -9.0e-2	Reference Frame: WFPC2 OBSERVATIONS

Proposal 14815 - grw - iteration 4 (04) - WFC3/UVIS contamination and stability monitor

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	F218W-UVI S1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F218W	CR-SPLIT=NO; FLASH=12.	Pattern 2, Exps 1-6 in grw - iteration 4 (04) (2)	17.6 Secs (35.2 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F225W-UVI S1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F225W	CR-SPLIT=NO; FLASH=12.	Pattern 2, Exps 1-6 in grw - iteration 4 (04) (2)	6.3 Secs (12.6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F275W-UVI S1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F275W	CR-SPLIT=NO; FLASH=12.	Pattern 2, Exps 1-6 in grw - iteration 4 (04) (2)	6.0 Secs (12 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F438W-UVI S1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F438W	CR-SPLIT=NO; FLASH=12.	Pattern 2, Exps 1-6 in grw - iteration 4 (04) (2)	3.1 Secs (6.2 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F606W-UVI S1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F606W	CR-SPLIT=NO; FLASH=12.	Pattern 2, Exps 1-6 in grw - iteration 4 (04) (2)	1.3 Secs (2.6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	F814W-UVI S1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F814W	CR-SPLIT=NO; FLASH=12.	Pattern 2, Exps 1-6 in grw - iteration 4 (04) (2)	6.2 Secs (12.4 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7	F336W-UVI S1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F336W	CR-SPLIT=NO; FLASH=12.0		4.0 Secs (4 Secs) [==>]	[1]
	8	F218W-UVI S2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F218W	CR-SPLIT=NO; FLASH=12.	Pattern 2, Exps 8-13 in grw - iteration 4 (04) (2)	17.6 Secs (35.2 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9	F225W-UVI S2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F225W	CR-SPLIT=NO; FLASH=12.0	Pattern 2, Exps 8-13 in grw - iteration 4 (04) (2)	6.3 Secs (12.6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10	F275W-UVI S2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F275W	CR-SPLIT=NO; FLASH=12.0	Pattern 2, Exps 8-13 in grw - iteration 4 (04) (2)	6.0 Secs (12 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11	F438W-UVI S2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	CR-SPLIT=NO; FLASH=12.0	Pattern 2, Exps 8-13 in grw - iteration 4 (04) (2)	3.1 Secs (6.2 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12	F814W-UVI S2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F814W	CR-SPLIT=NO; FLASH=12.	Pattern 2, Exps 8-13 in grw - iteration 4 (04) (2)	6.2 Secs (12.4 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	13	F606W-UVI S2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F606W	CR-SPLIT=NO; FLASH=12.	Pattern 2, Exps 8-13 in grw - iteration 4 (04) (2)	1.3 Secs (2.6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	14	F336W-UVI S2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F336W	CR-SPLIT=NO; FLASH=12.0		4.0 Secs (4 Secs) [==>]	[1]

Proposal 14815 - grw - iteration 4 (04) - WFC3/UVIS contamination and stability monitor

15	G280 reference image (F300X) subarray on chip 2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS	F300X	AMP=D; SIZEAXIS2=768; CENTERAXIS2=1026; FLASH=12.0	POS TARG 0.0,-50.	1.0 Secs (1 Secs)	[==>]	[1]
<p>Comments: Nominal "UVIS" aperture is ~10" above the chip gap on chip 1; a Y-postarg of about -50" places the target near the center of chip 2.</p> <p>SIZEAXIS2=768 is used to minimize data volume, while CENTERAXIS2 is used to center the subarray readout on the target location. The latter is set to 1026, to place the vertical center of the subarray at the vertical center of chip 2. These parameters are based upon similar observations obtained successfully in Cycle 17 (proposal 11934).</p>									
16	G280 image, chip2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS	G280	SIZEAXIS2=768; CENTERAXIS2=1026; AMP=D; FLASH=12.0	POS TARG 0.0,-50.	40. Secs (40 Secs)	[==>]	[1]
<p>Comments: Only "UVIS" aperture is allowed with G280, so a postarg is used to move the target to UVIS2. Nominal "UVIS" aperture is ~10" above the chip gap on chip 1; a Y-postarg of about -50" places the target near the center of chip 2.</p> <p>SIZEAXIS2=768 is used to minimize data volume, while CENTERAXIS2 is used to center the subarray readout on the target location. The latter is set to 1026, to place the vertical center of the subarray at the vertical center of chip 2. These parameters are based upon similar observations obtained successfully in Cycle 17 (proposal 11934).</p>									



Proposal 14815 - gd153 - iteration 1 (28) - WFC3/UVIS contamination and stability monitor

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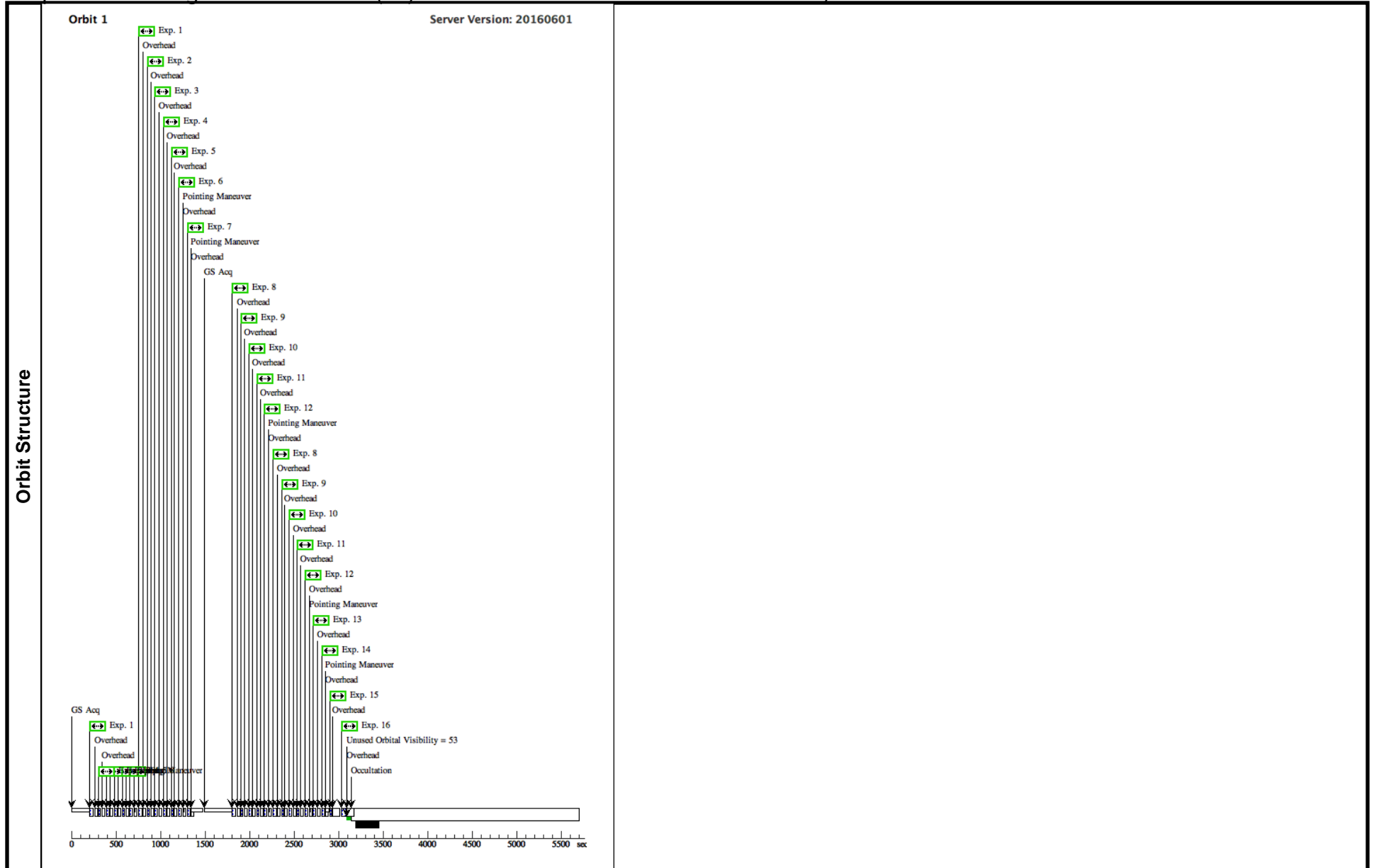
Visit	Proposal 14815, gd153 - iteration 1 (28), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 50%; BETWEEN 10-JAN-2017:00:00:00 AND 16-JAN-2017:23:59:59 <i>Comments: single orbit covering UVIS1, UVIS2, and grisms from both channels</i>					
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(2)	Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-6), (8-12)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(2)	GD153	RA: 12 57 2.3370 (194.2597375d) Dec: +22 01 52.68 (22.03130d) Equinox: J2000	Proper Motion RA: -46 mas/yr Proper Motion Dec: -204 mas/yr Epoch of Position: 2000	V=13.4	Reference Frame: ICRS
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>					

Proposal 14815 - gd153 - iteration 1 (28) - WFC3/UVIS contamination and stability monitor

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	F218W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F218W	CR-SPLIT=NO; FLASH=12.	GS ACQ SCENARI O SINGLE	Pattern 2, Exps 1-6 in gd153 - iteration 1 (28) (2)	12.4 Secs (24.8 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F225W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F225W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 1-6 in gd153 - iteration 1 (28) (2)	5.0 Secs (10 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F275W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F275W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 1-6 in gd153 - iteration 1 (28) (2)	5.4 Secs (10.8 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F438W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F438W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 1-6 in gd153 - iteration 1 (28) (2)	5.5 Secs (11 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F606W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F606W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 1-6 in gd153 - iteration 1 (28) (2)	3.0 Secs (6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	F814W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F814W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 1-6 in gd153 - iteration 1 (28) (2)	11.5 Secs (23 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7	F336W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F336W	CR-SPLIT=NO; FLASH=12.			4.5 Secs (4.5 Secs) [==>]	[1]
	8	F218W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F218W	CR-SPLIT=NO; FLASH=12.	GS ACQ SCENARI O SINGLE	Pattern 2, Exps 8-12 in gd153 - iteration 1 (28) (2)	12.4 Secs (24.8 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9	F225W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F225W	CR-SPLIT=NO; FLASH=12.0		Pattern 2, Exps 8-12 in gd153 - iteration 1 (28) (2)	5.0 Secs (10 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10	F438W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	CR-SPLIT=NO; FLASH=12.0		Pattern 2, Exps 8-12 in gd153 - iteration 1 (28) (2)	5.5 Secs (11 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11	F606W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F606W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 8-12 in gd153 - iteration 1 (28) (2)	3.0 Secs (6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12	F814W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F814W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 8-12 in gd153 - iteration 1 (28) (2)	11.5 Secs (23 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	13	F275W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F275W	CR-SPLIT=NO; FLASH=12.0			5.4 Secs (5.4 Secs) [==>]	[1]
	14	F336W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F336W	CR-SPLIT=NO; FLASH=12.0			4.5 Secs (4.5 Secs) [==>]	[1]

Proposal 14815 - gd153 - iteration 1 (28) - WFC3/UVIS contamination and stability monitor

15	G280 reference image (F300X) subarray on chip 2 (2) GD153	WFC3/UVIS, ACCUM, UVIS	F300X	AMP=D; SIZEAXIS2=768; CENTERAXIS2=1026; FLASH=12.0	POS TARG 0.0,-50.	1.0 Secs (1 Secs)	[==>]	[1]
<p>Comments: Nominal "UVIS" aperture is ~10" above the chip gap on chip 1; a Y-postarg of about -50" places the target near the center of chip 2.</p> <p>SIZEAXIS2=768 is used to minimize data volume, while CENTERAXIS2 is used to center the subarray readout on the target location. The latter is set to 1026, to place the vertical center of the subarray at the vertical center of chip 2. These parameters are based upon similar observations obtained successfully in Cycle 17 (proposal 11934).</p>								
16	G280 image, chip 2 (2) GD153	WFC3/UVIS, ACCUM, UVIS	G280	SIZEAXIS2=768; CENTERAXIS2=1026; AMP=D; FLASH=12.0	POS TARG 0.0,-50.	40. Secs (40 Secs)	[==>]	[1]
<p>Comments: Only "UVIS" aperture is allowed with G280, so a postarg is used to move the target to UVIS2. Nominal "UVIS" aperture is ~10" above the chip gap on chip 1; a Y-postarg of about -50" places the target near the center of chip 2.</p> <p>SIZEAXIS2=768 is used to minimize data volume, while CENTERAXIS2 is used to center the subarray readout on the target location. The latter is set to 1026, to place the vertical center of the subarray at the vertical center of chip 2. These parameters are based upon similar observations obtained successfully in Cycle 17 (proposal 11934).</p>								



Proposal 14815 - gd153 - iteration 2 (29) - WFC3/UVIS contamination and stability monitor

Wed Sep 07 22:41:23 GMT 2016

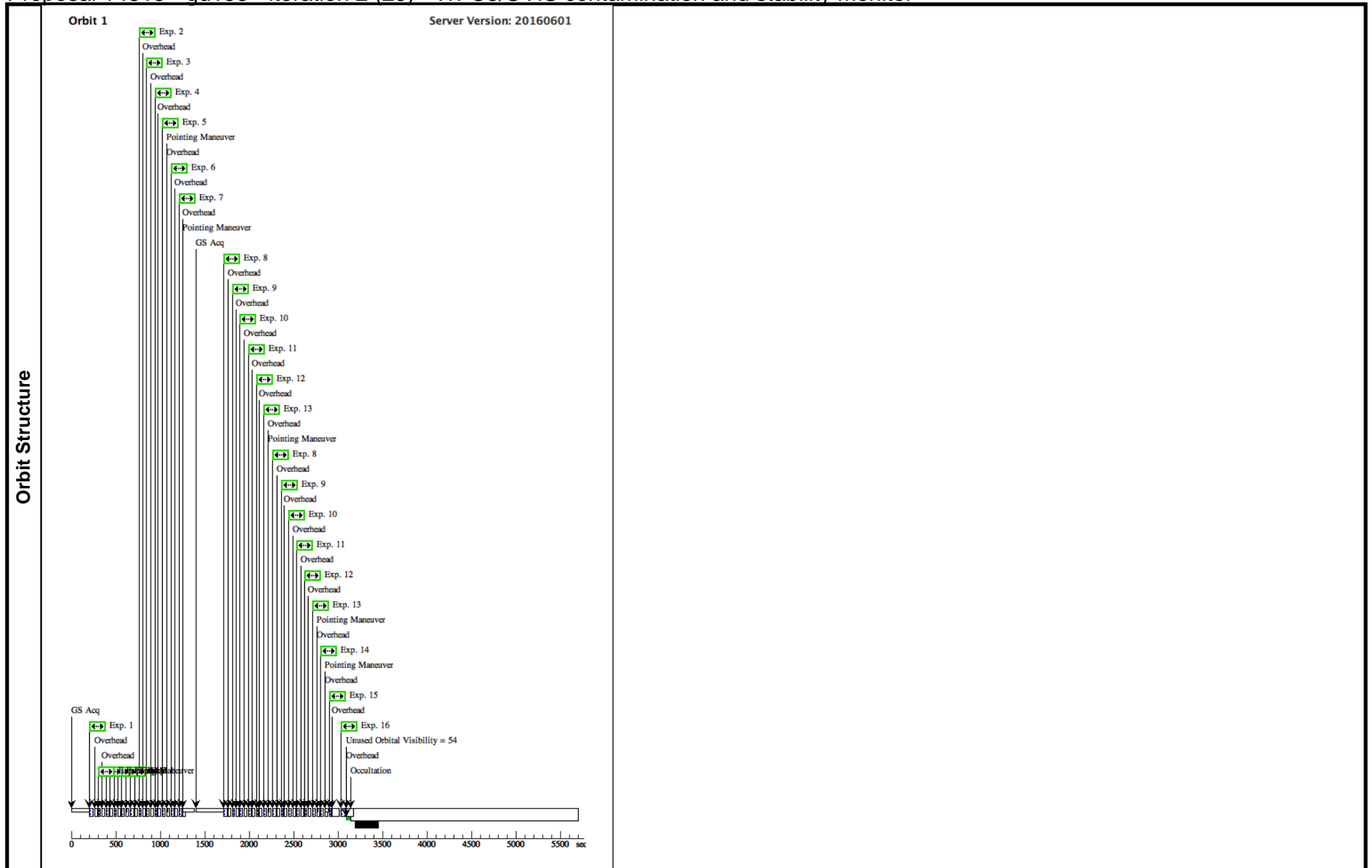
Visit	Proposal 14815, gd153 - iteration 2 (29), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 50%; BETWEEN 09-FEB-2017:00:00:00 AND 15-FEB-2017:23:59:59 <i>Comments: single orbit covering UVIS1, UVIS2, and grisms from both channels</i>					
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(2)	Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-5), (8-13)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(2)	GD153	RA: 12 57 2.3370 (194.2597375d) Dec: +22 01 52.68 (22.03130d) Equinox: J2000	Proper Motion RA: -46 mas/yr Proper Motion Dec: -204 mas/yr Epoch of Position: 2000	V=13.4	Reference Frame: ICRS
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>					

Proposal 14815 - gd153 - iteration 2 (29) - WFC3/UVIS contamination and stability monitor

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	F218W-UVI S1	(2) GD153	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F218W	CR-SPLIT=NO; FLASH=12.	GS ACQ SCENARI O SINGLE	Pattern 2, Exps 1-5 in gd153 - iteration 2 (29) (2)	12.4 Secs (24.8 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F225W-UVI S1	(2) GD153	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F225W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 1-5 in gd153 - iteration 2 (29) (2)	5.0 Secs (10 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F438W-UVI S1	(2) GD153	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F438W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 1-5 in gd153 - iteration 2 (29) (2)	5.5 Secs (11 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F606W-UVI S1	(2) GD153	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F606W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 1-5 in gd153 - iteration 2 (29) (2)	3.0 Secs (6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F814W-UVI S1	(2) GD153	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F814W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 1-5 in gd153 - iteration 2 (29) (2)	11.5 Secs (23 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	F275W-UVI S1	(2) GD153	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F275W	CR-SPLIT=NO; FLASH=12.			5.4 Secs (5.4 Secs) [==>]	[1]
	7	F336W-UVI S1	(2) GD153	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F336W	CR-SPLIT=NO; FLASH=12.			4.5 Secs (4.5 Secs) [==>]	[1]
	8	F218W-UVI S2	(2) GD153	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F218W	CR-SPLIT=NO; FLASH=12.	GS ACQ SCENARI O SINGLE	Pattern 2, Exps 8-13 in gd153 - iteration 2 (29) (2)	12.4 Secs (24.8 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9	F225W-UVI S2	(2) GD153	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F225W	CR-SPLIT=NO; FLASH=12.0		Pattern 2, Exps 8-13 in gd153 - iteration 2 (29) (2)	5.0 Secs (10 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10	F275W-UVI S2	(2) GD153	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F275W	CR-SPLIT=NO; FLASH=12.0		Pattern 2, Exps 8-13 in gd153 - iteration 2 (29) (2)	5.4 Secs (10.8 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11	F438W-UVI S2	(2) GD153	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	CR-SPLIT=NO; FLASH=12.0		Pattern 2, Exps 8-13 in gd153 - iteration 2 (29) (2)	5.5 Secs (11 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12	F606W-UVI S2	(2) GD153	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F606W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 8-13 in gd153 - iteration 2 (29) (2)	3.0 Secs (6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	13	F814W-UVI S2	(2) GD153	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F814W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 8-13 in gd153 - iteration 2 (29) (2)	11.5 Secs (23 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
14	F336W-UVI S2	(2) GD153	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F336W	CR-SPLIT=NO; FLASH=12.0			4.5 Secs (4.5 Secs) [==>]	[1]	

Proposal 14815 - gd153 - iteration 2 (29) - WFC3/UVIS contamination and stability monitor

15	G280 reference image (2) GD153 (F300X) subarray on chip 2	WFC3/UVIS, ACCUM, UVIS	F300X	AMP=D; SIZEAXIS2=768; CENTERAXIS2=1026; FLASH=12.0	POS TARG 0.0,-50.	1.0 Secs (1 Secs)	[==>]	[1]
<p>Comments: Nominal "UVIS" aperture is ~10" above the chip gap on chip 1; a Y-postarg of about -50" places the target near the center of chip 2.</p> <p>SIZEAXIS2=768 is used to minimize data volume, while CENTERAXIS2 is used to center the subarray readout on the target location. The latter is set to 1026, to place the vertical center of the subarray at the vertical center of chip 2. These parameters are based upon similar observations obtained successfully in Cycle 17 (proposal 11934).</p>								
16	G280 image, (2) GD153 chip2	WFC3/UVIS, ACCUM, UVIS	G280	SIZEAXIS2=768; CENTERAXIS2=1026; AMP=D; FLASH=12.0	POS TARG 0.0,-50.	40. Secs (40 Secs)	[==>]	[1]
<p>Comments: Only "UVIS" aperture is allowed with G280, so a postarg is used to move the target to UVIS2. Nominal "UVIS" aperture is ~10" above the chip gap on chip 1; a Y-postarg of about -50" places the target near the center of chip 2.</p> <p>SIZEAXIS2=768 is used to minimize data volume, while CENTERAXIS2 is used to center the subarray readout on the target location. The latter is set to 1026, to place the vertical center of the subarray at the vertical center of chip 2. These parameters are based upon similar observations obtained successfully in Cycle 17 (proposal 11934).</p>								



Proposal 14815 - gd153 - iteration 3 (30) - WFC3/UVIS contamination and stability monitor

Wed Sep 07 22:41:23 GMT 2016

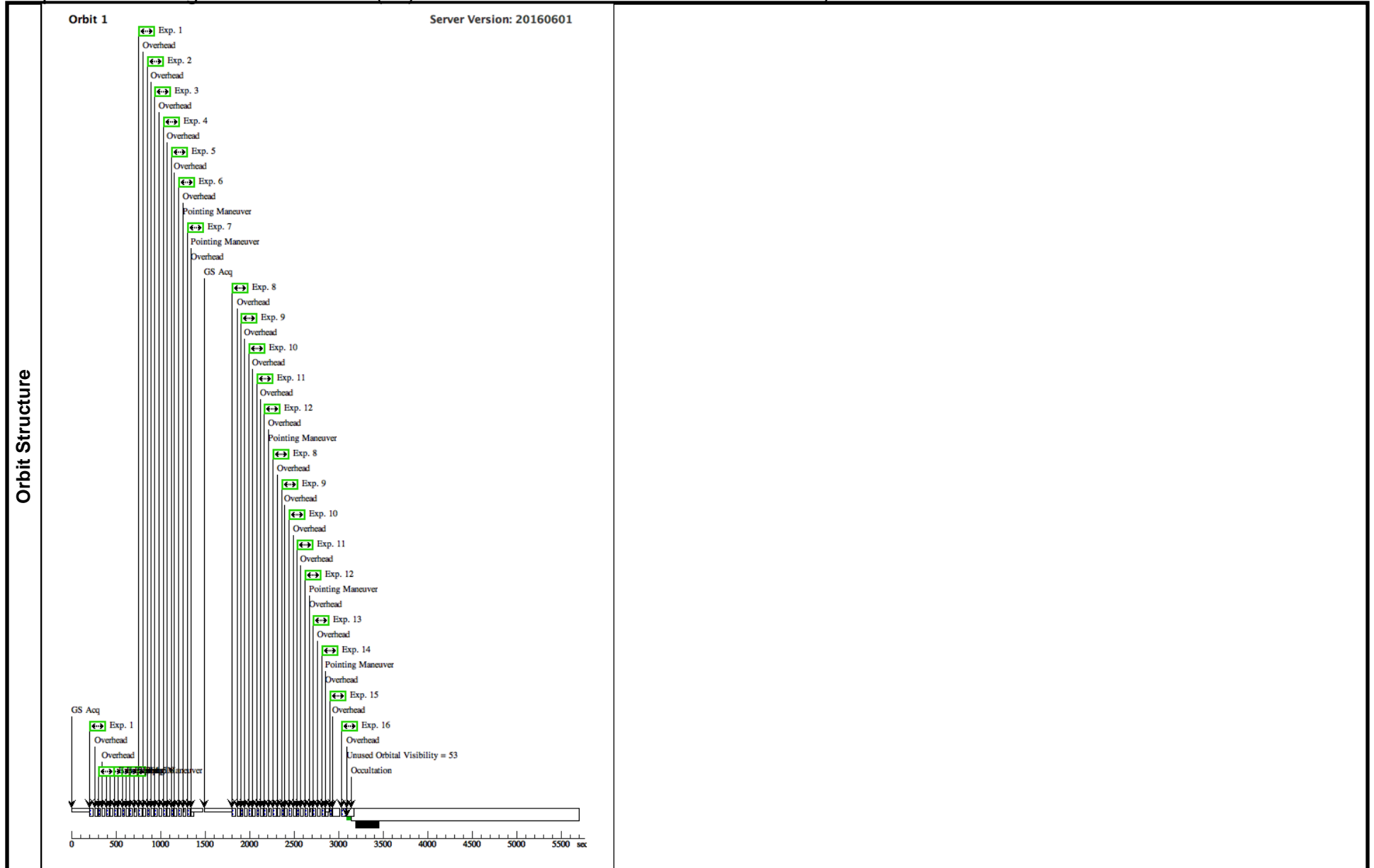
Visit	Proposal 14815, gd153 - iteration 3 (30), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 50%; BETWEEN 11-MAR-2017:00:00:00 AND 17-MAR-2017:23:59:59 <i>Comments: single orbit covering UVIS1, UVIS2, and grisms from both channels</i>					
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(2)	Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-6), (8-12)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(2)	GD153	RA: 12 57 2.3370 (194.2597375d) Dec: +22 01 52.68 (22.03130d) Equinox: J2000	Proper Motion RA: -46 mas/yr Proper Motion Dec: -204 mas/yr Epoch of Position: 2000	V=13.4	Reference Frame: ICRS
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>					

Proposal 14815 - gd153 - iteration 3 (30) - WFC3/UVIS contamination and stability monitor

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	F218W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F218W	CR-SPLIT=NO; FLASH=12.	GS ACQ SCENARI O SINGLE	Pattern 2, Exps 1-6 i n gd153 - iteration 3 (30) (2)	12.4 Secs (24.8 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F225W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F225W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 1-6 i n gd153 - iteration 3 (30) (2)	5.0 Secs (10 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F275W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F275W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 1-6 i n gd153 - iteration 3 (30) (2)	5.4 Secs (10.8 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F438W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F438W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 1-6 i n gd153 - iteration 3 (30) (2)	5.5 Secs (11 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F606W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F606W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 1-6 i n gd153 - iteration 3 (30) (2)	3.0 Secs (6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	F814W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F814W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 1-6 i n gd153 - iteration 3 (30) (2)	11.5 Secs (23 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7	F336W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F336W	CR-SPLIT=NO; FLASH=12.			4.5 Secs (4.5 Secs) [==>]	[1]
	8	F218W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F218W	CR-SPLIT=NO; FLASH=12.	GS ACQ SCENARI O SINGLE	Pattern 2, Exps 8-12 in gd153 - iteration 3 (30) (2)	12.4 Secs (24.8 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9	F225W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F225W	CR-SPLIT=NO; FLASH=12.0		Pattern 2, Exps 8-12 in gd153 - iteration 3 (30) (2)	5.0 Secs (10 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10	F438W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	CR-SPLIT=NO; FLASH=12.0		Pattern 2, Exps 8-12 in gd153 - iteration 3 (30) (2)	5.5 Secs (11 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11	F606W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F606W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 8-12 in gd153 - iteration 3 (30) (2)	3.0 Secs (6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12	F814W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F814W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 8-12 in gd153 - iteration 3 (30) (2)	11.5 Secs (23 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	13	F275W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F275W	CR-SPLIT=NO; FLASH=12.0			5.4 Secs (5.4 Secs) [==>]	[1]
	14	F336W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F336W	CR-SPLIT=NO; FLASH=12.0			4.5 Secs (4.5 Secs) [==>]	[1]

Proposal 14815 - gd153 - iteration 3 (30) - WFC3/UVIS contamination and stability monitor

15	G280 reference image (2) GD153 (F300X) subarray on chip 2	WFC3/UVIS, ACCUM, UVIS	F300X	AMP=D; SIZEAXIS2=768; CENTERAXIS2=1026; FLASH=12.0	POS TARG 0.0,-50.	1.0 Secs (1 Secs)	[==>]	[1]
<p>Comments: Nominal "UVIS" aperture is ~10" above the chip gap on chip 1; a Y-postarg of about -50" places the target near the center of chip 2.</p> <p>SIZEAXIS2=768 is used to minimize data volume, while CENTERAXIS2 is used to center the subarray readout on the target location. The latter is set to 1026, to place the vertical center of the subarray at the vertical center of chip 2. These parameters are based upon similar observations obtained successfully in Cycle 17 (proposal 11934).</p>								
16	G280 image, (2) GD153 chip2	WFC3/UVIS, ACCUM, UVIS	G280	SIZEAXIS2=768; CENTERAXIS2=1026; AMP=D; FLASH=12.0	POS TARG 0.0,-50.	40. Secs (40 Secs)	[==>]	[1]
<p>Comments: Only "UVIS" aperture is allowed with G280, so a postarg is used to move the target to UVIS2. Nominal "UVIS" aperture is ~10" above the chip gap on chip 1; a Y-postarg of about -50" places the target near the center of chip 2.</p> <p>SIZEAXIS2=768 is used to minimize data volume, while CENTERAXIS2 is used to center the subarray readout on the target location. The latter is set to 1026, to place the vertical center of the subarray at the vertical center of chip 2. These parameters are based upon similar observations obtained successfully in Cycle 17 (proposal 11934).</p>								



Proposal 14815 - gd153 - iteration 4 (31) - WFC3/UVIS contamination and stability monitor

Wed Sep 07 22:41:23 GMT 2016

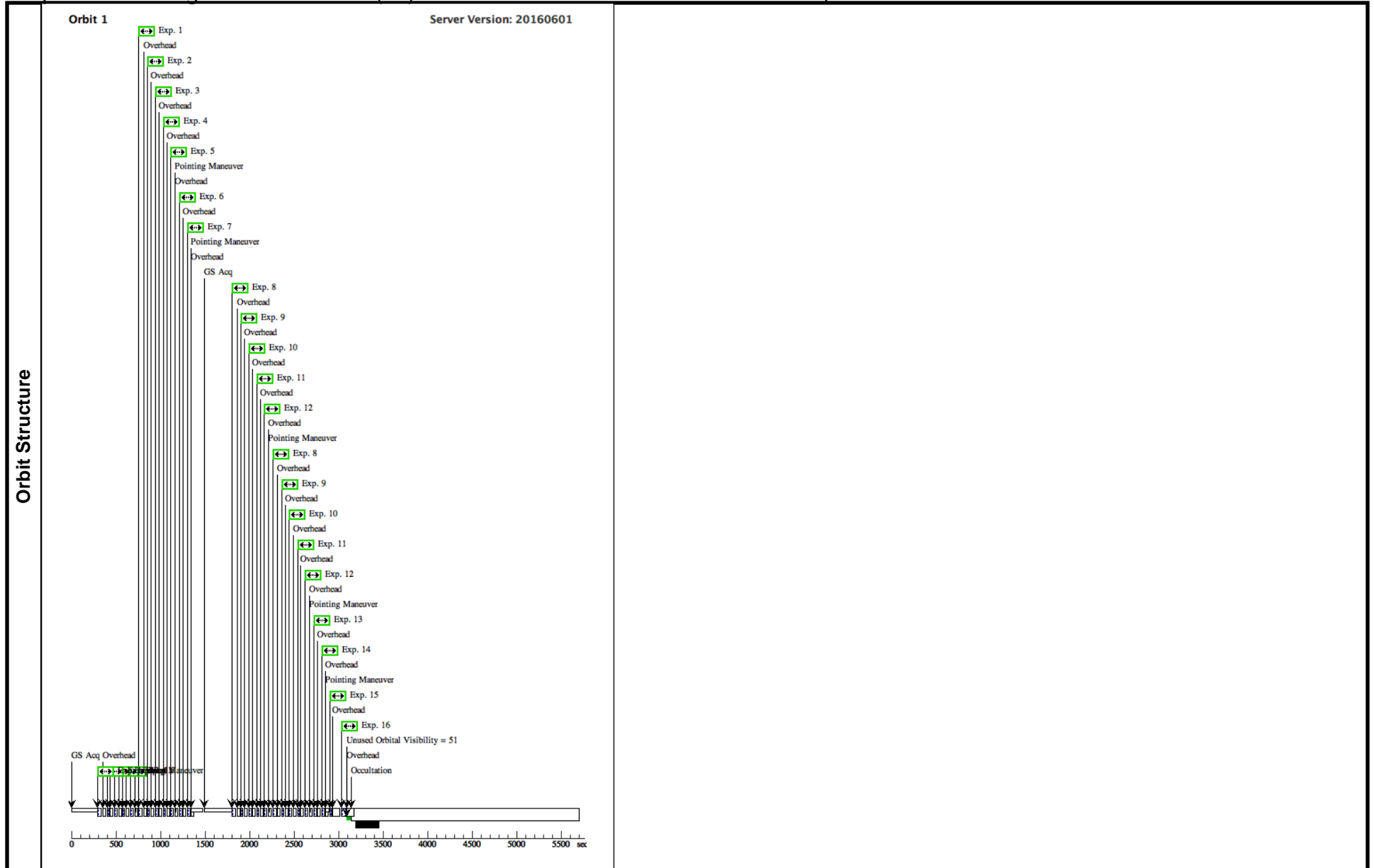
Visit	Proposal 14815, gd153 - iteration 4 (31), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 50%; BETWEEN 09-APR-2017:00:00:00 AND 15-APR-2017:23:59:59 <i>Comments: single orbit covering UVIS1, UVIS2, and grisms from both channels</i>					
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(2)	Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-5), (8-12)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(2)	GD153	RA: 12 57 2.3370 (194.2597375d) Dec: +22 01 52.68 (22.03130d) Equinox: J2000	Proper Motion RA: -46 mas/yr Proper Motion Dec: -204 mas/yr Epoch of Position: 2000	V=13.4	Reference Frame: ICRS
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>					

Proposal 14815 - gd153 - iteration 4 (31) - WFC3/UVIS contamination and stability monitor

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	F218W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F218W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 1-5 in gd153 - iteration 4 (31) (2)	12.4 Secs (24.8 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F225W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F225W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 1-5 in gd153 - iteration 4 (31) (2)	5.0 Secs (10 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F438W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F438W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 1-5 in gd153 - iteration 4 (31) (2)	5.5 Secs (11 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F606W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F606W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 1-5 in gd153 - iteration 4 (31) (2)	3.0 Secs (6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F814W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F814W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 1-5 in gd153 - iteration 4 (31) (2)	11.5 Secs (23 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	F275W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F275W	CR-SPLIT=NO; FLASH=12.			5.4 Secs (5.4 Secs) [==>]	[1]
	7	F336W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F336W	CR-SPLIT=NO; FLASH=12.			4.5 Secs (4.5 Secs) [==>]	[1]
	8	F218W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F218W	CR-SPLIT=NO; FLASH=12.	GS ACQ SCENARIO SINGLE	Pattern 2, Exps 8-12 in gd153 - iteration 4 (31) (2)	12.4 Secs (24.8 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9	F225W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F225W	CR-SPLIT=NO; FLASH=12.0		Pattern 2, Exps 8-12 in gd153 - iteration 4 (31) (2)	5.0 Secs (10 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10	F438W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	CR-SPLIT=NO; FLASH=12.0		Pattern 2, Exps 8-12 in gd153 - iteration 4 (31) (2)	5.5 Secs (11 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11	F606W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F606W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 8-12 in gd153 - iteration 4 (31) (2)	3.0 Secs (6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12	F814W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F814W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 8-12 in gd153 - iteration 4 (31) (2)	11.5 Secs (23 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	13	F275W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F275W	CR-SPLIT=NO; FLASH=12.0			5.4 Secs (5.4 Secs) [==>]	[1]
	14	F336W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F336W	CR-SPLIT=NO; FLASH=12.0			4.5 Secs (4.5 Secs) [==>]	[1]

Proposal 14815 - gd153 - iteration 4 (31) - WFC3/UVIS contamination and stability monitor

15	G280 reference image (F300X) subarray on chip 2 (2) GD153	WFC3/UVIS, ACCUM, UVIS	F300X	AMP=D; SIZEAXIS2=768; CENTERAXIS2=1026; FLASH=12.0	POS TARG 0.0,-50.	1.0 Secs (1 Secs)	[==>]	[1]
<p><i>Comments: Nominal "UVIS" aperture is ~10" above the chip gap on chip 1; a Y-postarg of about -50" places the target near the center of chip 2.</i></p> <p><i>SIZEAXIS2=768 is used to minimize data volume, while CENTERAXIS2 is used to center the subarray readout on the target location. The latter is set to 1026, to place the vertical center of the subarray at the vertical center of chip 2. These parameters are based upon similar observations obtained successfully in Cycle 17 (proposal 11934).</i></p>								
16	G280 image, chip 2 (2) GD153	WFC3/UVIS, ACCUM, UVIS	G280	SIZEAXIS2=768; CENTERAXIS2=1026; AMP=D; FLASH=12.0	POS TARG 0.0,-50.	40. Secs (40 Secs)	[==>]	[1]
<p><i>Comments: Only "UVIS" aperture is allowed with G280, so a postarg is used to move the target to UVIS2. Nominal "UVIS" aperture is ~10" above the chip gap on chip 1; a Y-postarg of about -50" places the target near the center of chip 2.</i></p> <p><i>SIZEAXIS2=768 is used to minimize data volume, while CENTERAXIS2 is used to center the subarray readout on the target location. The latter is set to 1026, to place the vertical center of the subarray at the vertical center of chip 2. These parameters are based upon similar observations obtained successfully in Cycle 17 (proposal 11934).</i></p>								



Proposal 14815 - gd153 - iteration 5 (32) - WFC3/UVIS contamination and stability monitor

Wed Sep 07 22:41:23 GMT 2016

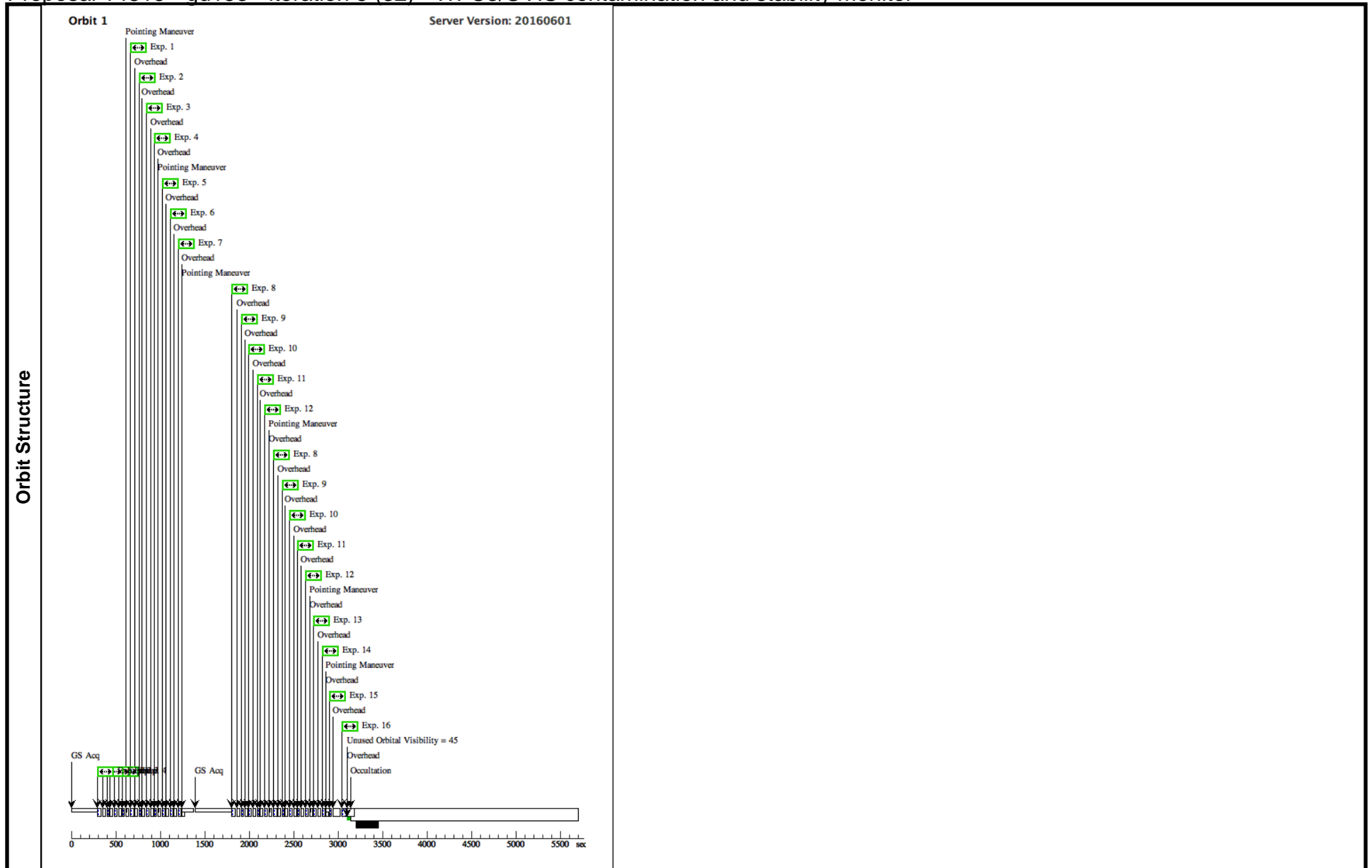
Visit	Proposal 14815, gd153 - iteration 5 (32), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 50%; BETWEEN 08-MAY-2017:00:00:00 AND 14-MAY-2017:23:59:59 <i>Comments: single orbit covering UVIS1, UVIS2, and grisms from both channels</i>					
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(2)	Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-4), (8-12)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(2)	GD153	RA: 12 57 2.3370 (194.2597375d) Dec: +22 01 52.68 (22.03130d) Equinox: J2000	Proper Motion RA: -46 mas/yr Proper Motion Dec: -204 mas/yr Epoch of Position: 2000	V=13.4	Reference Frame: ICRS
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>					

Proposal 14815 - gd153 - iteration 5 (32) - WFC3/UVIS contamination and stability monitor

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	F218W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F218W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 1-4 in gd153 - iteration 5 (32) (2)	12.4 Secs (24.8 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F225W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F225W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 1-4 in gd153 - iteration 5 (32) (2)	5.0 Secs (10 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F438W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F438W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 1-4 in gd153 - iteration 5 (32) (2)	5.5 Secs (11 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F606W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F606W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 1-4 in gd153 - iteration 5 (32) (2)	3.0 Secs (6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F275W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F275W	CR-SPLIT=NO; FLASH=12.			5.4 Secs (5.4 Secs) [==>]	[1]
	6	F336W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F336W	CR-SPLIT=NO; FLASH=12.			4.5 Secs (4.5 Secs) [==>]	[1]
	7	F814W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F814W	CR-SPLIT=NO; FLASH=12.			11.5 Secs (11.5 Secs) [==>]	[1]
	8	F218W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F218W	CR-SPLIT=NO; FLASH=12.	GS ACQ SCENARI O BASE1B3	Pattern 2, Exps 8-12 in gd153 - iteration 5 (32) (2)	12.4 Secs (24.8 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9	F225W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F225W	CR-SPLIT=NO; FLASH=12.0		Pattern 2, Exps 8-12 in gd153 - iteration 5 (32) (2)	5.0 Secs (10 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10	F438W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	CR-SPLIT=NO; FLASH=12.0		Pattern 2, Exps 8-12 in gd153 - iteration 5 (32) (2)	5.5 Secs (11 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11	F606W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F606W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 8-12 in gd153 - iteration 5 (32) (2)	3.0 Secs (6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12	F814W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F814W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 8-12 in gd153 - iteration 5 (32) (2)	11.5 Secs (23 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	13	F275W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F275W	CR-SPLIT=NO; FLASH=12.0			5.4 Secs (5.4 Secs) [==>]	[1]
	14	F336W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F336W	CR-SPLIT=NO; FLASH=12.0			4.5 Secs (4.5 Secs) [==>]	[1]

Proposal 14815 - gd153 - iteration 5 (32) - WFC3/UVIS contamination and stability monitor

15	G280 reference image (F300X) subarray on chip 2 (2) GD153	WFC3/UVIS, ACCUM, UVIS	F300X	AMP=D; SIZEAXIS2=768; CENTERAXIS2=1026; FLASH=12.0	POS TARG 0.0,-50.	1.0 Secs (1 Secs)	[==>]	[1]
<p>Comments: Nominal "UVIS" aperture is ~10" above the chip gap on chip 1; a Y-postarg of about -50" places the target near the center of chip 2.</p>								
<p>SIZEAXIS2=768 is used to minimize data volume, while CENTERAXIS2 is used to center the subarray readout on the target location. The latter is set to 1026, to place the vertical center of the subarray at the vertical center of chip 2. These parameters are based upon similar observations obtained successfully in Cycle 17 (proposal 11934).</p>								
16	G280 image, chip 2 (2) GD153	WFC3/UVIS, ACCUM, UVIS	G280	SIZEAXIS2=768; CENTERAXIS2=1026; AMP=D; FLASH=12.0	POS TARG 0.0,-50.	40. Secs (40 Secs)	[==>]	[1]
<p>Comments: Only "UVIS" aperture is allowed with G280, so a postarg is used to move the target to UVIS2. Nominal "UVIS" aperture is ~10" above the chip gap on chip 1; a Y-postarg of about -50" places the target near the center of chip 2.</p>								
<p>SIZEAXIS2=768 is used to minimize data volume, while CENTERAXIS2 is used to center the subarray readout on the target location. The latter is set to 1026, to place the vertical center of the subarray at the vertical center of chip 2. These parameters are based upon similar observations obtained successfully in Cycle 17 (proposal 11934).</p>								



Proposal 14815 - gd153 - iteration 6 (33) - WFC3/UVIS contamination and stability monitor

Wed Sep 07 22:41:23 GMT 2016

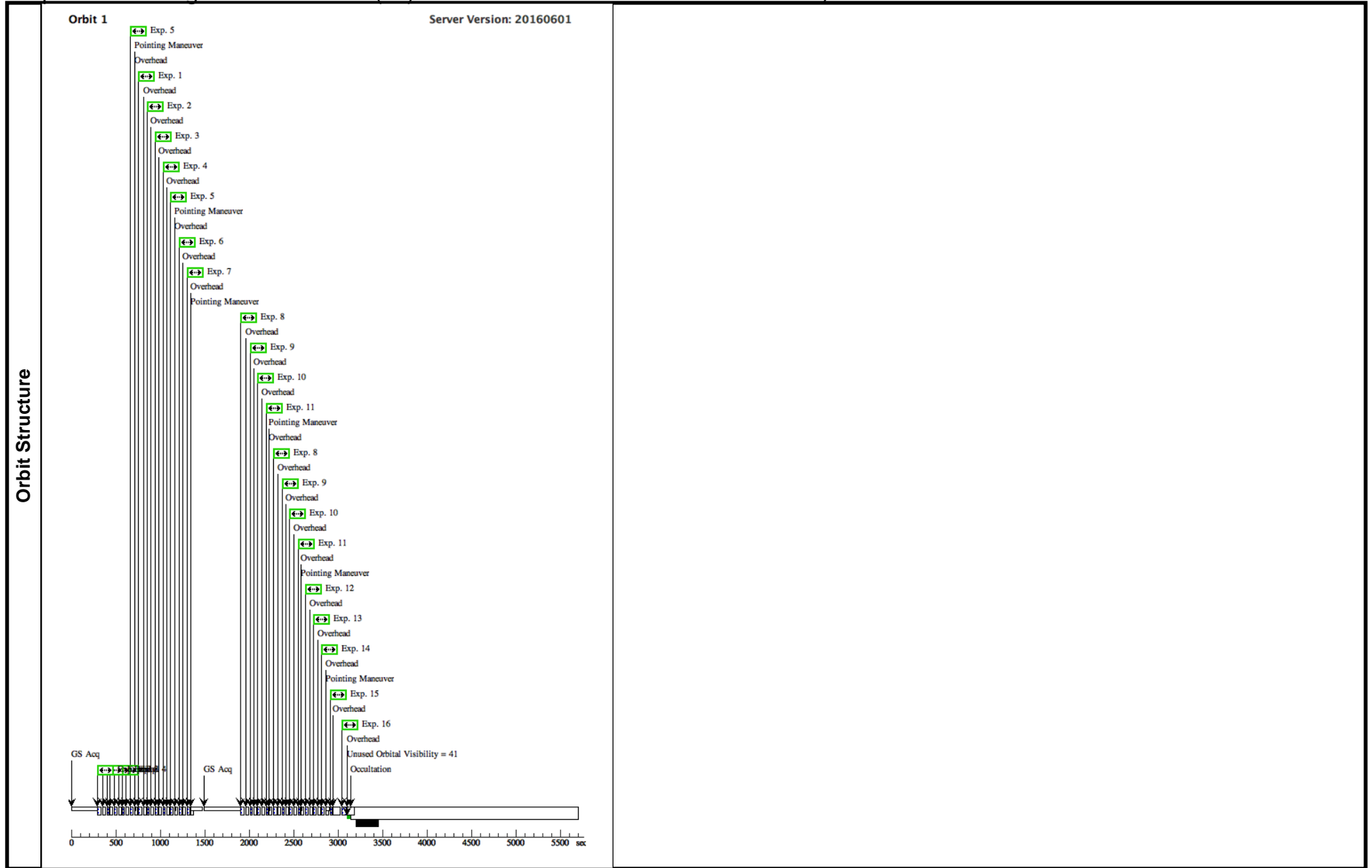
Visit	Proposal 14815, gd153 - iteration 6 (33), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 50%; BETWEEN 07-JUN-2017:00:00:00 AND 13-JUN-2017:23:59:59 <i>Comments: single orbit covering UVIS1, UVIS2, and grisms from both channels</i>					
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(2)	Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-5), (8-11)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(2)	GD153	RA: 12 57 2.3370 (194.2597375d) Dec: +22 01 52.68 (22.03130d) Equinox: J2000	Proper Motion RA: -46 mas/yr Proper Motion Dec: -204 mas/yr Epoch of Position: 2000	V=13.4	Reference Frame: ICRS
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>					

Proposal 14815 - gd153 - iteration 6 (33) - WFC3/UVIS contamination and stability monitor

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	F218W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F218W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 1-5 in gd153 - iteration 6 (33) (2)	12.4 Secs (24.8 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F225W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F225W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 1-5 in gd153 - iteration 6 (33) (2)	5.0 Secs (10 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F438W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F438W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 1-5 in gd153 - iteration 6 (33) (2)	5.5 Secs (11 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F606W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F606W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 1-5 in gd153 - iteration 6 (33) (2)	3.0 Secs (6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F814W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F814W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 1-5 in gd153 - iteration 6 (33) (2)	11.5 Secs (23 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	F275W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F275W	CR-SPLIT=NO; FLASH=12.			5.4 Secs (5.4 Secs) [==>]	[1]
	7	F336W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F336W	CR-SPLIT=NO; FLASH=12.			4.5 Secs (4.5 Secs) [==>]	[1]
	8	F218W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F218W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 8-11 in gd153 - iteration 6 (33) (2)	12.4 Secs (24.8 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9	F225W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F225W	CR-SPLIT=NO; FLASH=12.0		Pattern 2, Exps 8-11 in gd153 - iteration 6 (33) (2)	5.0 Secs (10 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10	F438W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	CR-SPLIT=NO; FLASH=12.0		Pattern 2, Exps 8-11 in gd153 - iteration 6 (33) (2)	5.5 Secs (11 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11	F606W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F606W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 8-11 in gd153 - iteration 6 (33) (2)	3.0 Secs (6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12	F275W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F275W	CR-SPLIT=NO; FLASH=12.0			5.4 Secs (5.4 Secs) [==>]	[1]
	13	F336W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F336W	CR-SPLIT=NO; FLASH=12.0			4.5 Secs (4.5 Secs) [==>]	[1]
	14	F814W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F814W	CR-SPLIT=NO; FLASH=12.			11.5 Secs (11.5 Secs) [==>]	[1]

Proposal 14815 - gd153 - iteration 6 (33) - WFC3/UVIS contamination and stability monitor

15	G280 reference image (F300X) subarray on chip 2 (2) GD153	WFC3/UVIS, ACCUM, UVIS	F300X	AMP=D; SIZEAXIS2=768; CENTERAXIS2=1026; FLASH=12.0	POS TARG 0.0,-50.	1.0 Secs (1 Secs)	[==>]	[1]
<p>Comments: Nominal "UVIS" aperture is ~10" above the chip gap on chip 1; a Y-postarg of about -50" places the target near the center of chip 2.</p> <p>SIZEAXIS2=768 is used to minimize data volume, while CENTERAXIS2 is used to center the subarray readout on the target location. The latter is set to 1026, to place the vertical center of the subarray at the vertical center of chip 2. These parameters are based upon similar observations obtained successfully in Cycle 17 (proposal 11934).</p>								
16	G280 image, chip 2 (2) GD153	WFC3/UVIS, ACCUM, UVIS	G280	SIZEAXIS2=768; CENTERAXIS2=1026; AMP=D; FLASH=12.0	POS TARG 0.0,-50.	40. Secs (40 Secs)	[==>]	[1]
<p>Comments: Only "UVIS" aperture is allowed with G280, so a postarg is used to move the target to UVIS2. Nominal "UVIS" aperture is ~10" above the chip gap on chip 1; a Y-postarg of about -50" places the target near the center of chip 2.</p> <p>SIZEAXIS2=768 is used to minimize data volume, while CENTERAXIS2 is used to center the subarray readout on the target location. The latter is set to 1026, to place the vertical center of the subarray at the vertical center of chip 2. These parameters are based upon similar observations obtained successfully in Cycle 17 (proposal 11934).</p>								



Proposal 14815 - gd153 - iteration 7 (34) - WFC3/UVIS contamination and stability monitor

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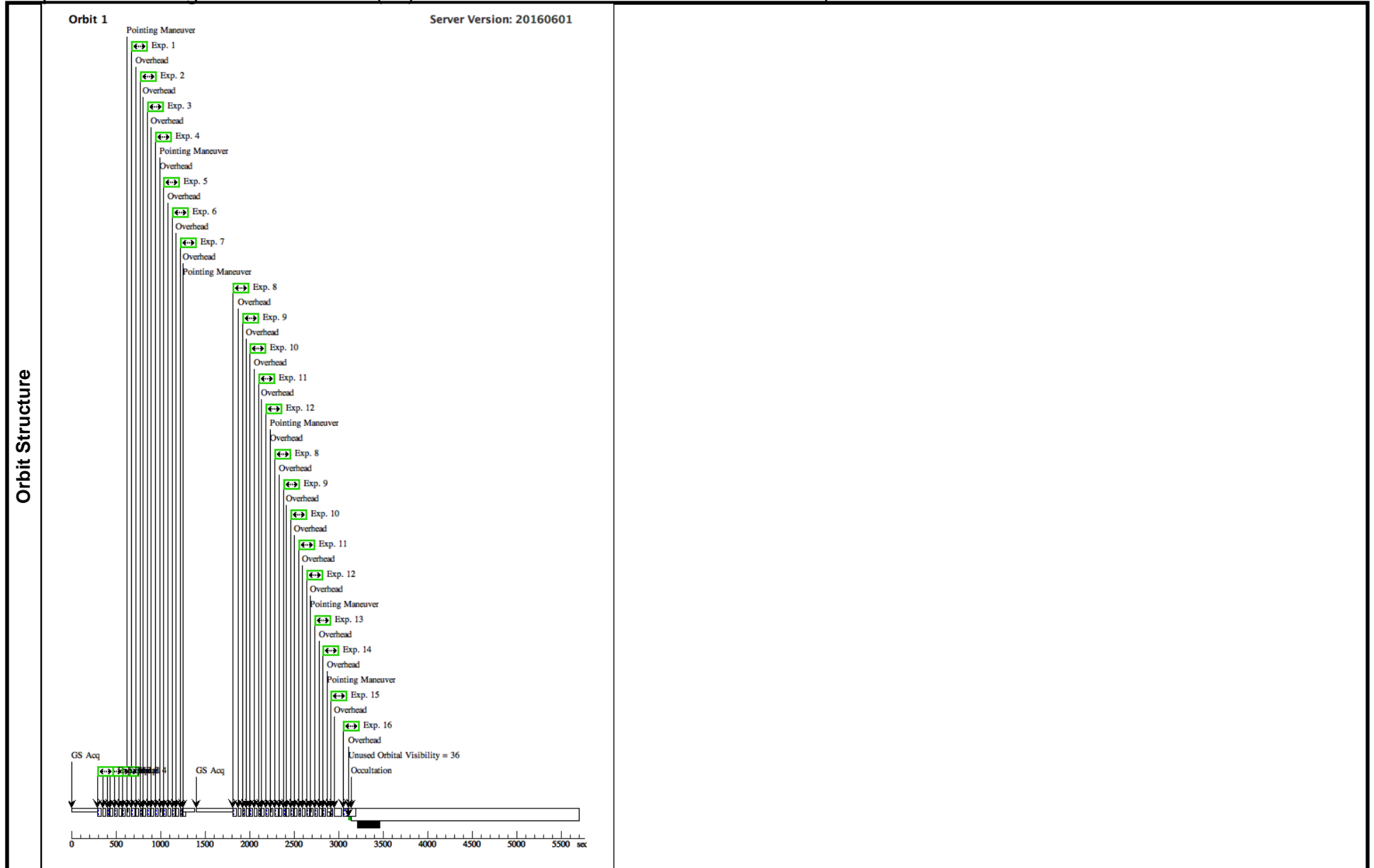
Visit	Proposal 14815, gd153 - iteration 7 (34), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 50%; BETWEEN 07-JUL-2017:00:00:00 AND 13-JUL-2017:23:59:59 <i>Comments: single orbit covering UVIS1, UVIS2, and grisms from both channels</i>					
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(2)	Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-4), (8-12)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(2)	GD153	RA: 12 57 2.3370 (194.2597375d) Dec: +22 01 52.68 (22.03130d) Equinox: J2000	Proper Motion RA: -46 mas/yr Proper Motion Dec: -204 mas/yr Epoch of Position: 2000	V=13.4	Reference Frame: ICRS
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>					

Proposal 14815 - gd153 - iteration 7 (34) - WFC3/UVIS contamination and stability monitor

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	F218W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F218W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 1-4 in gd153 - iteration 7 (34) (2)	12.4 Secs (24.8 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F225W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F225W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 1-4 in gd153 - iteration 7 (34) (2)	5.0 Secs (10 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F438W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F438W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 1-4 in gd153 - iteration 7 (34) (2)	5.5 Secs (11 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F814W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F814W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 1-4 in gd153 - iteration 7 (34) (2)	11.5 Secs (23 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F275W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F275W	CR-SPLIT=NO; FLASH=12.			5.4 Secs (5.4 Secs) [==>]	[1]
	6	F336W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F336W	CR-SPLIT=NO; FLASH=12.			4.5 Secs (4.5 Secs) [==>]	[1]
	7	F606W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F606W	CR-SPLIT=NO; FLASH=12.			3.0 Secs (3 Secs) [==>]	[1]
	8	F218W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F218W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 8-12 in gd153 - iteration 7 (34) (2)	12.4 Secs (24.8 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9	F225W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F225W	CR-SPLIT=NO; FLASH=12.0		Pattern 2, Exps 8-12 in gd153 - iteration 7 (34) (2)	5.0 Secs (10 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10	F438W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	CR-SPLIT=NO; FLASH=12.0		Pattern 2, Exps 8-12 in gd153 - iteration 7 (34) (2)	5.5 Secs (11 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11	F606W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F606W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 8-12 in gd153 - iteration 7 (34) (2)	3.0 Secs (6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12	F814W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F814W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 8-12 in gd153 - iteration 7 (34) (2)	11.5 Secs (23 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	13	F275W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F275W	CR-SPLIT=NO; FLASH=12.0			5.4 Secs (5.4 Secs) [==>]	[1]
	14	F336W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F336W	CR-SPLIT=NO; FLASH=12.0			4.5 Secs (4.5 Secs) [==>]	[1]

Proposal 14815 - gd153 - iteration 7 (34) - WFC3/UVIS contamination and stability monitor

15	G280 reference image (2) GD153 (F300X) subarray on chip 2	WFC3/UVIS, ACCUM, UVIS	F300X	AMP=D; SIZEAXIS2=768; CENTERAXIS2=1026; FLASH=12.0	POS TARG 0.0,-50.	1.0 Secs (1 Secs)	[==>]	[1]
<p>Comments: Nominal "UVIS" aperture is ~10" above the chip gap on chip 1; a Y-postarg of about -50" places the target near the center of chip 2.</p> <p>SIZEAXIS2=768 is used to minimize data volume, while CENTERAXIS2 is used to center the subarray readout on the target location. The latter is set to 1026, to place the vertical center of the subarray at the vertical center of chip 2. These parameters are based upon similar observations obtained successfully in Cycle 17 (proposal 11934).</p>								
16	G280 image, (2) GD153 chip2	WFC3/UVIS, ACCUM, UVIS	G280	SIZEAXIS2=768; CENTERAXIS2=1026; AMP=D; FLASH=12.0	POS TARG 0.0,-50.	40. Secs (40 Secs)	[==>]	[1]
<p>Comments: Only "UVIS" aperture is allowed with G280, so a postarg is used to move the target to UVIS2. Nominal "UVIS" aperture is ~10" above the chip gap on chip 1; a Y-postarg of about -50" places the target near the center of chip 2.</p> <p>SIZEAXIS2=768 is used to minimize data volume, while CENTERAXIS2 is used to center the subarray readout on the target location. The latter is set to 1026, to place the vertical center of the subarray at the vertical center of chip 2. These parameters are based upon similar observations obtained successfully in Cycle 17 (proposal 11934).</p>								



Proposal 14815 - gd153 - iteration 8 (35) - WFC3/UVIS contamination and stability monitor

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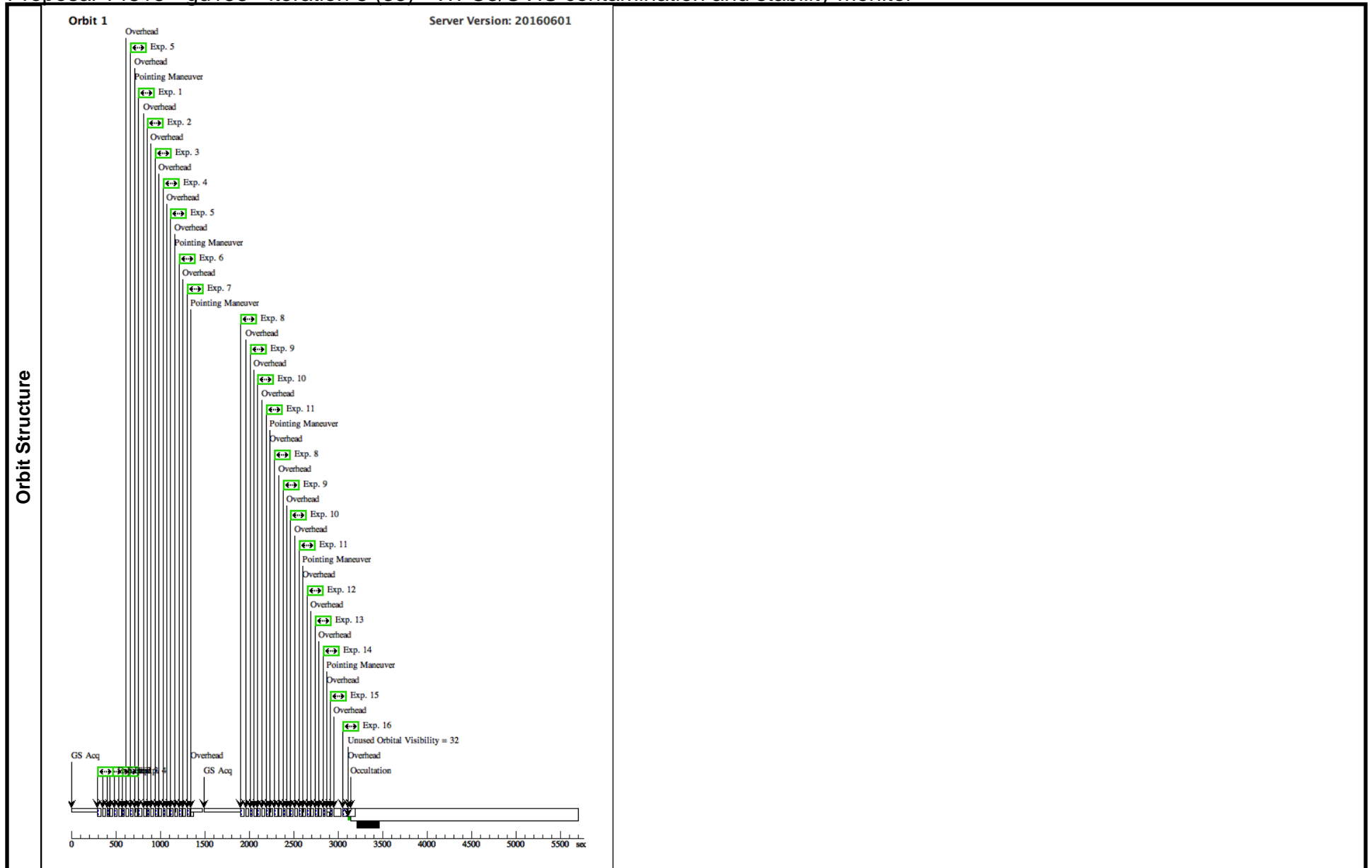
Visit	Proposal 14815, gd153 - iteration 8 (35), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 50%; BETWEEN 05-AUG-2017:00:00:00 AND 11-AUG-2017:23:59:59 <i>Comments: single orbit covering UVIS1, UVIS2, and grisms from both channels</i>					
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(2)	Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-5), (8-11)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(2)	GD153	RA: 12 57 2.3370 (194.2597375d) Dec: +22 01 52.68 (22.03130d) Equinox: J2000	Proper Motion RA: -46 mas/yr Proper Motion Dec: -204 mas/yr Epoch of Position: 2000	V=13.4	Reference Frame: ICRS
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>					

Proposal 14815 - gd153 - iteration 8 (35) - WFC3/UVIS contamination and stability monitor

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	F218W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F218W	CR-SPLIT=NO; FLASH=12.	GS ACQ SCENARI O BASE1B3	Pattern 2, Exps 1-5 in gd153 - iteration 8 (35) (2)	12.4 Secs (24.8 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F225W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F225W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 1-5 in gd153 - iteration 8 (35) (2)	5.0 Secs (10 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F438W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F438W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 1-5 in gd153 - iteration 8 (35) (2)	5.5 Secs (11 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F606W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F606W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 1-5 in gd153 - iteration 8 (35) (2)	3.0 Secs (6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F814W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F814W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 1-5 in gd153 - iteration 8 (35) (2)	11.5 Secs (23 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	F275W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F275W	CR-SPLIT=NO; FLASH=12.			5.4 Secs (5.4 Secs) [==>]	[1]
	7	F336W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F336W	CR-SPLIT=NO; FLASH=12.			4.5 Secs (4.5 Secs) [==>]	[1]
	8	F218W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F218W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 8-11 in gd153 - iteration 8 (35) (2)	12.4 Secs (24.8 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9	F225W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F225W	CR-SPLIT=NO; FLASH=12.0		Pattern 2, Exps 8-11 in gd153 - iteration 8 (35) (2)	5.0 Secs (10 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10	F438W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	CR-SPLIT=NO; FLASH=12.0		Pattern 2, Exps 8-11 in gd153 - iteration 8 (35) (2)	5.5 Secs (11 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11	F814W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F814W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 8-11 in gd153 - iteration 8 (35) (2)	11.5 Secs (23 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12	F275W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F275W	CR-SPLIT=NO; FLASH=12.0			5.4 Secs (5.4 Secs) [==>]	[1]
	13	F336W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F336W	CR-SPLIT=NO; FLASH=12.0			4.5 Secs (4.5 Secs) [==>]	[1]
	14	F606W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F606W	CR-SPLIT=NO; FLASH=12.			3.0 Secs (3 Secs) [==>]	[1]

Proposal 14815 - gd153 - iteration 8 (35) - WFC3/UVIS contamination and stability monitor

15	G280 reference image (F300X) subarray on chip 2 (2) GD153	WFC3/UVIS, ACCUM, UVIS	F300X	AMP=D; SIZEAXIS2=768; CENTERAXIS2=1026; FLASH=12.0	POS TARG 0.0,-50.	1.0 Secs (1 Secs)	[==>]	[1]
<p>Comments: Nominal "UVIS" aperture is ~10" above the chip gap on chip 1; a Y-postarg of about -50" places the target near the center of chip 2.</p> <p>SIZEAXIS2=768 is used to minimize data volume, while CENTERAXIS2 is used to center the subarray readout on the target location. The latter is set to 1026, to place the vertical center of the subarray at the vertical center of chip 2. These parameters are based upon similar observations obtained successfully in Cycle 17 (proposal 11934).</p>								
16	G280 image, chip 2 (2) GD153	WFC3/UVIS, ACCUM, UVIS	G280	SIZEAXIS2=768; CENTERAXIS2=1026; AMP=D; FLASH=12.0	POS TARG 0.0,-50.	40. Secs (40 Secs)	[==>]	[1]
<p>Comments: Only "UVIS" aperture is allowed with G280, so a postarg is used to move the target to UVIS2. Nominal "UVIS" aperture is ~10" above the chip gap on chip 1; a Y-postarg of about -50" places the target near the center of chip 2.</p> <p>SIZEAXIS2=768 is used to minimize data volume, while CENTERAXIS2 is used to center the subarray readout on the target location. The latter is set to 1026, to place the vertical center of the subarray at the vertical center of chip 2. These parameters are based upon similar observations obtained successfully in Cycle 17 (proposal 11934).</p>								



Proposal 14815 - gd153 - iteration 9 (36) - WFC3/UVIS contamination and stability monitor

Wed Sep 07 22:41:23 GMT 2016

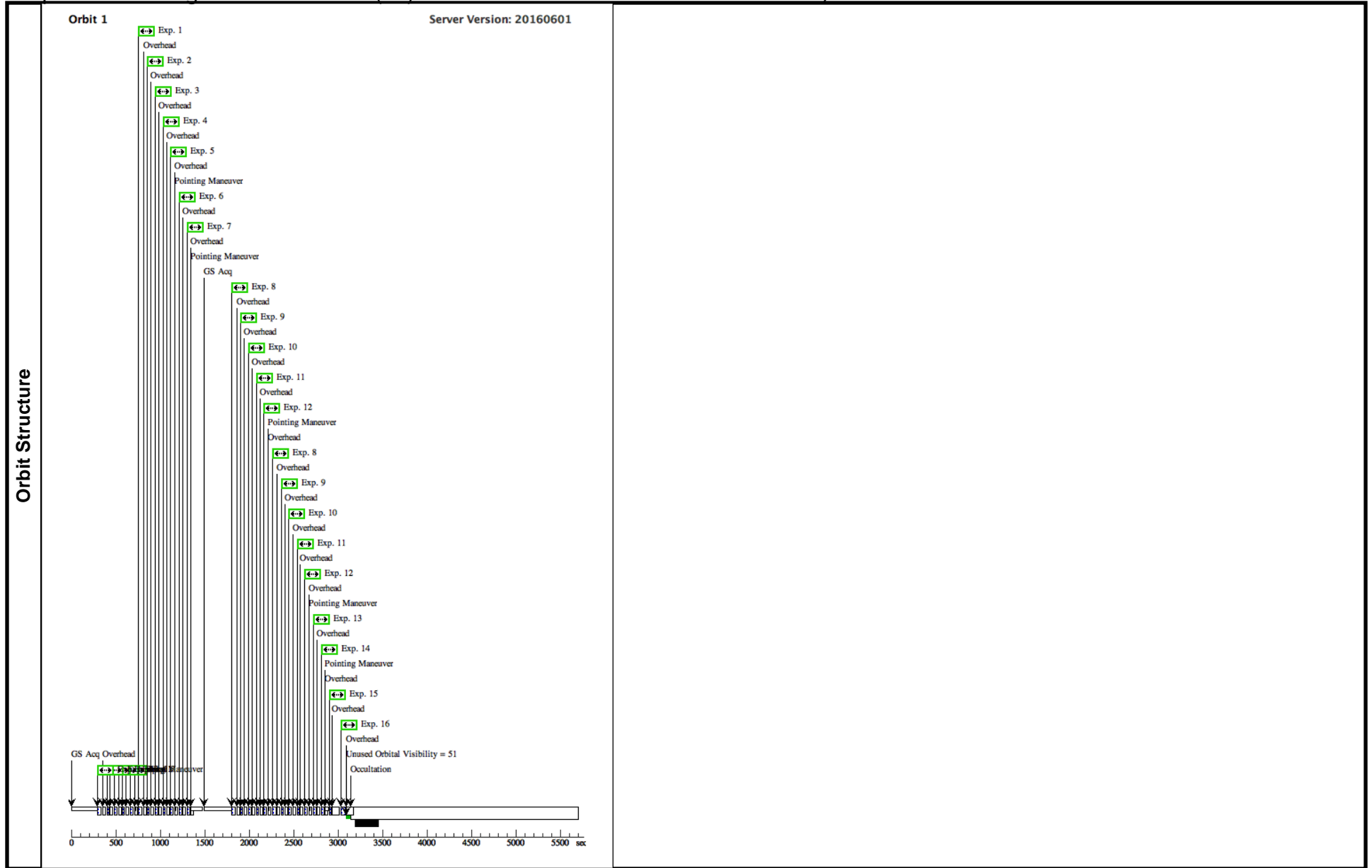
Visit	Proposal 14815, gd153 - iteration 9 (36), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 50%; BETWEEN 11-NOV-2017:00:00:00 AND 17-NOV-2017:23:59:59 <i>Comments: single orbit covering UVIS1, UVIS2, and grisms from both channels</i>					
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(2)	Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-5), (8-12)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(2)	GD153	RA: 12 57 2.3370 (194.2597375d) Dec: +22 01 52.68 (22.03130d) Equinox: J2000	Proper Motion RA: -46 mas/yr Proper Motion Dec: -204 mas/yr Epoch of Position: 2000	V=13.4	Reference Frame: ICRS
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>					

Proposal 14815 - gd153 - iteration 9 (36) - WFC3/UVIS contamination and stability monitor

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	F218W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F218W	CR-SPLIT=NO; FLASH=12.	GS ACQ SCENARIO BASE1B3	Pattern 2, Exps 1-5 in gd153 - iteration 9 (36) (2)	12.4 Secs (24.8 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F225W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F225W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 1-5 in gd153 - iteration 9 (36) (2)	5.0 Secs (10 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F438W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F438W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 1-5 in gd153 - iteration 9 (36) (2)	5.5 Secs (11 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F606W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F606W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 1-5 in gd153 - iteration 9 (36) (2)	3.0 Secs (6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F814W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F814W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 1-5 in gd153 - iteration 9 (36) (2)	11.5 Secs (23 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	F275W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F275W	CR-SPLIT=NO; FLASH=12.			5.4 Secs (5.4 Secs) [==>]	[1]
	7	F336W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F336W	CR-SPLIT=NO; FLASH=12.			4.5 Secs (4.5 Secs) [==>]	[1]
	8	F218W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F218W	CR-SPLIT=NO; FLASH=12.	GS ACQ SCENARIO SINGLE	Pattern 2, Exps 8-12 in gd153 - iteration 9 (36) (2)	12.4 Secs (24.8 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9	F225W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F225W	CR-SPLIT=NO; FLASH=12.0		Pattern 2, Exps 8-12 in gd153 - iteration 9 (36) (2)	5.0 Secs (10 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10	F438W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	CR-SPLIT=NO; FLASH=12.0		Pattern 2, Exps 8-12 in gd153 - iteration 9 (36) (2)	5.5 Secs (11 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11	F606W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F606W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 8-12 in gd153 - iteration 9 (36) (2)	3.0 Secs (6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12	F814W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F814W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 8-12 in gd153 - iteration 9 (36) (2)	11.5 Secs (23 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	13	F275W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F275W	CR-SPLIT=NO; FLASH=12.0			5.4 Secs (5.4 Secs) [==>]	[1]
	14	F336W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F336W	CR-SPLIT=NO; FLASH=12.0			4.5 Secs (4.5 Secs) [==>]	[1]

Proposal 14815 - gd153 - iteration 9 (36) - WFC3/UVIS contamination and stability monitor

15	G280 reference image (F300X) subarray on chip 2 (2) GD153	WFC3/UVIS, ACCUM, UVIS	F300X	AMP=D; SIZEAXIS2=768; CENTERAXIS2=1026; FLASH=12.0	POS TARG 0.0,-50.	1.0 Secs (1 Secs)	[==>]	[1]
<p>Comments: Nominal "UVIS" aperture is ~10" above the chip gap on chip 1; a Y-postarg of about -50" places the target near the center of chip 2.</p> <p>SIZEAXIS2=768 is used to minimize data volume, while CENTERAXIS2 is used to center the subarray readout on the target location. The latter is set to 1026, to place the vertical center of the subarray at the vertical center of chip 2. These parameters are based upon similar observations obtained successfully in Cycle 17 (proposal 11934).</p>								
16	G280 image, chip 2 (2) GD153	WFC3/UVIS, ACCUM, UVIS	G280	SIZEAXIS2=768; CENTERAXIS2=1026; AMP=D; FLASH=12.0	POS TARG 0.0,-50.	40. Secs (40 Secs)	[==>]	[1]
<p>Comments: Only "UVIS" aperture is allowed with G280, so a postarg is used to move the target to UVIS2. Nominal "UVIS" aperture is ~10" above the chip gap on chip 1; a Y-postarg of about -50" places the target near the center of chip 2.</p> <p>SIZEAXIS2=768 is used to minimize data volume, while CENTERAXIS2 is used to center the subarray readout on the target location. The latter is set to 1026, to place the vertical center of the subarray at the vertical center of chip 2. These parameters are based upon similar observations obtained successfully in Cycle 17 (proposal 11934).</p>								



Proposal 14815 - gd153 - iteration 10 (37) - WFC3/UVIS contamination and stability monitor

Wed Sep 07 22:41:23 GMT 2016

Visit	Proposal 14815, gd153 - iteration 10 (37), implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 50%; BETWEEN 10-DEC-2017:00:00:00 AND 16-DEC-2017:23:59:59 <i>Comments: single orbit covering UVIS1, UVIS2, and grisms from both channels</i>					
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(2)	Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-5), (8-12)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(2)	GD153	RA: 12 57 2.3370 (194.2597375d) Dec: +22 01 52.68 (22.03130d) Equinox: J2000	Proper Motion RA: -46 mas/yr Proper Motion Dec: -204 mas/yr Epoch of Position: 2000	V=13.4	Reference Frame: ICRS
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>					

Proposal 14815 - gd153 - iteration 10 (37) - WFC3/UVIS contamination and stability monitor

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	F218W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F218W	CR-SPLIT=NO; FLASH=12.	GS ACQ SCENARI O SINGLE	Pattern 2, Exps 1-5 in gd153 - iteration 10 (37) (2)	12.4 Secs (24.8 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	F225W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F225W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 1-5 in gd153 - iteration 10 (37) (2)	5.0 Secs (10 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	F438W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F438W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 1-5 in gd153 - iteration 10 (37) (2)	5.5 Secs (11 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	F606W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F606W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 1-5 in gd153 - iteration 10 (37) (2)	3.0 Secs (6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	F814W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F814W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 1-5 in gd153 - iteration 10 (37) (2)	11.5 Secs (23 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	F275W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F275W	CR-SPLIT=NO; FLASH=12.			5.4 Secs (5.4 Secs) [==>]	[1]
	7	F336W-UVI (2) GD153 S1	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F336W	CR-SPLIT=NO; FLASH=12.			4.5 Secs (4.5 Secs) [==>]	[1]
	8	F218W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F218W	CR-SPLIT=NO; FLASH=12.	GS ACQ SCENARI O SINGLE	Pattern 2, Exps 8-12 in gd153 - iteration 10 (37) (2)	12.4 Secs (24.8 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9	F225W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F225W	CR-SPLIT=NO; FLASH=12.0		Pattern 2, Exps 8-12 in gd153 - iteration 10 (37) (2)	5.0 Secs (10 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10	F438W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	CR-SPLIT=NO; FLASH=12.0		Pattern 2, Exps 8-12 in gd153 - iteration 10 (37) (2)	5.5 Secs (11 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11	F606W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F606W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 8-12 in gd153 - iteration 10 (37) (2)	3.0 Secs (6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12	F814W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F814W	CR-SPLIT=NO; FLASH=12.		Pattern 2, Exps 8-12 in gd153 - iteration 10 (37) (2)	11.5 Secs (23 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	13	F275W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F275W	CR-SPLIT=NO; FLASH=12.0			5.4 Secs (5.4 Secs) [==>]	[1]
	14	F336W-UVI (2) GD153 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F336W	CR-SPLIT=NO; FLASH=12.0			4.5 Secs (4.5 Secs) [==>]	[1]

Proposal 14815 - gd153 - iteration 10 (37) - WFC3/UVIS contamination and stability monitor

15	G280 reference image (F300X) subarray on chip 2 (2) GD153	WFC3/UVIS, ACCUM, UVIS	F300X	AMP=D; SIZEAXIS2=768; CENTERAXIS2=1026; FLASH=12.0	POS TARG 0.0,-50.	1.0 Secs (1 Secs)	[==>]	[1]
<p>Comments: Nominal "UVIS" aperture is ~10" above the chip gap on chip 1; a Y-postarg of about -50" places the target near the center of chip 2.</p> <p>SIZEAXIS2=768 is used to minimize data volume, while CENTERAXIS2 is used to center the subarray readout on the target location. The latter is set to 1026, to place the vertical center of the subarray at the vertical center of chip 2. These parameters are based upon similar observations obtained successfully in Cycle 17 (proposal 11934).</p>								
16	G280 image, chip 2 (2) GD153	WFC3/UVIS, ACCUM, UVIS	G280	SIZEAXIS2=768; CENTERAXIS2=1026; AMP=D; FLASH=12.0	POS TARG 0.0,-50.	40. Secs (40 Secs)	[==>]	[1]
<p>Comments: Only "UVIS" aperture is allowed with G280, so a postarg is used to move the target to UVIS2. Nominal "UVIS" aperture is ~10" above the chip gap on chip 1; a Y-postarg of about -50" places the target near the center of chip 2.</p> <p>SIZEAXIS2=768 is used to minimize data volume, while CENTERAXIS2 is used to center the subarray readout on the target location. The latter is set to 1026, to place the vertical center of the subarray at the vertical center of chip 2. These parameters are based upon similar observations obtained successfully in Cycle 17 (proposal 11934).</p>								

