



13088 - WFC3 Contamination and Photometric Stability Monitor

Cycle: 20, 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/IR WFC3/UVIS	1	27-Aug-2013 21:04:27.0	yes
02	(1) GRW+70D5824	WFC3/IR WFC3/UVIS	1	27-Aug-2013 21:04:57.0	yes
03	(1) GRW+70D5824	WFC3/IR WFC3/UVIS	1	27-Aug-2013 21:05:23.0	yes
04	(1) GRW+70D5824	WFC3/IR WFC3/UVIS	1	27-Aug-2013 21:05:52.0	yes
05	(1) GRW+70D5824	WFC3/IR WFC3/UVIS	1	27-Aug-2013 21:06:16.0	yes
06	(1) GRW+70D5824	WFC3/IR WFC3/UVIS	1	27-Aug-2013 21:06:40.0	yes
07	(1) GRW+70D5824	WFC3/IR WFC3/UVIS	1	27-Aug-2013 21:07:04.0	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>
08	(1) GRW+70D5824	WFC3/IR WFC3/UVIS	1	27-Aug-2013 21:07:31.0	yes
09	(1) GRW+70D5824	WFC3/IR WFC3/UVIS	1	27-Aug-2013 21:07:54.0	yes
10	(1) GRW+70D5824	WFC3/IR WFC3/UVIS	1	27-Aug-2013 21:08:17.0	yes
11	(1) GRW+70D5824	WFC3/IR WFC3/UVIS	1	27-Aug-2013 21:08:41.0	yes

11 Total Orbits Used

ABSTRACT

The photometric throughput of WFC3 is monitored periodically during the year to evaluate its stability. The data consist of spectrophotometric standard star images in both UVIS and IR channels, in a subset of key filters plus the UVIS and IR grisms. The observation cadence, once every five weeks, is deliberately out of phase with the monthly anneal procedures (proposal 13071) in order to sample more of the phase space. Aperture photometry results are used to assess the UVIS and IR flux stability as a function of time and wavelength. In conjunction with other programs, the data are also used in the photometric zeropoint determinations.

OBSERVING DESCRIPTION

The white dwarf spectrophotometric standard GRW+70d5824 is observed in both channels and in both UVIS chips. Each iteration of the monitor requires 1 full orbit, repeated every 5 weeks. Images are obtained in subarray format where possible in order to pack the orbit as efficiently as possible.

The UVIS images are taken with primarily UV filters: in the presence of contamination buildup, these would show a decline in throughput first. A UV grism exposure along with the necessary reference image (with F300X) are included as well. One visible filter exposure per chip (F606W in UVIS1, F814W in UVIS2) are obtained as controls. The standard star is relatively bright requiring only short UVIS exposure times which will have low image backgrounds, so all images are post-flashed to mitigate CTE losses. During the first few visits, one of the three F218W and one of the three F225W images are left un-flashed in order to provide a transitional cross-check with the unflashed data from previous cycles.

Proposal 13088 (STScI Edit Number: 6, Created: Tuesday, August 27, 2013 8:08:54 PM EST) - Overview

The IR exposure sequence is performed first in each orbit in order to allow any persistence in the detector to subside during the time it takes to acquire the UVIS exposures. The images are taken in three broadband filters which cover the entire wavelength range of the detector (F098M, F125W, F160W). In addition, images are obtained in the G102 and G141 grisms, along with a reference images (F127M).

ADDITIONAL COMMENTS

Aug 2013 - added new BLADE parameter to visit 10, exposures 20,21,22, in order to provide test of parameter functionality.

Proposal 13088 - Visit 01 - WFC3 Contamination and Photometric Stability Monitor

Wed Aug 28 01:08:55 GMT 2013

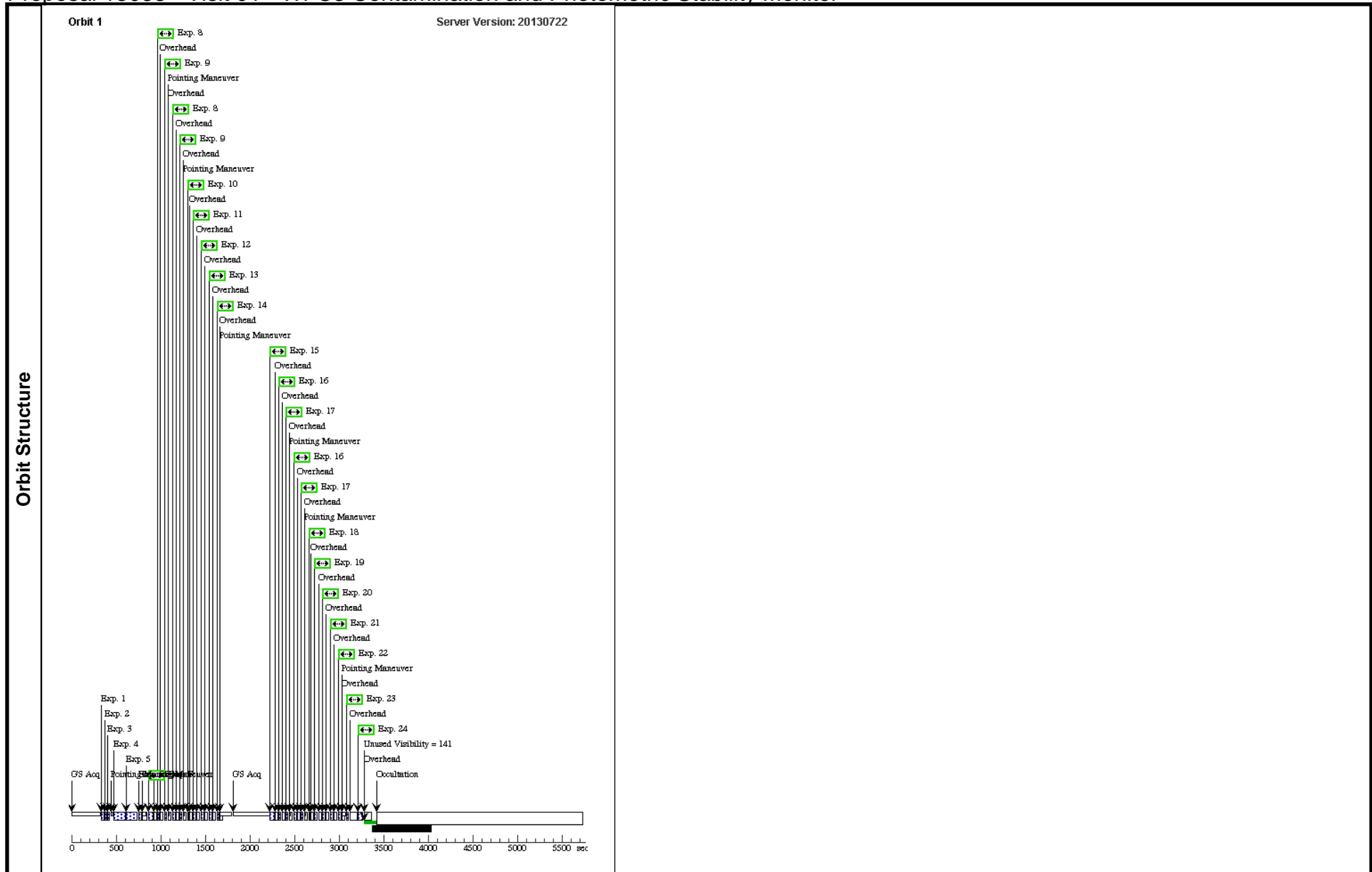
Visit	Proposal 13088, Visit 01, withdrawn Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: SCHED 50%; BETWEEN 19-NOV-2012:00:00:00 AND 25-NOV-2012:23:59:59 <i>Comments: single orbit covering UVIS1, UVIS2, IR, and grisms from both channels</i>					
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(1)	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		(8-9), (16-17)	
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 13088 - Visit 01 - WFC3 Contamination and Photometric Stability Monitor

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	F098M	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, IRSUB256	F098M	SAMP-SEQ=RAPID ; NSAMP=12	POS TARG 3.5,-2.6		3.33378 Secs (3.334 Secs) [==>]	[1]
2	F125W	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, IRSUB256	F125W	SAMP-SEQ=RAPID ; NSAMP=12	POS TARG 3.5,-2.6		3.33378 Secs (3.334 Secs) [==>]	[1]
3	F160W	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, IRSUB512	F160W	SAMP-SEQ=RAPID ; NSAMP=8	POS TARG 3.5,-2.6		6.824216 Secs (6.824 Secs) [==>]	[1]
4	G141; full-frame	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, IR	G141	SAMP-SEQ=SPARS 25; NSAMP=5			102.934351 Secs (102.934 Secs) [==>]	[1]
5	G102; full-frame	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, IR	G102	SAMP-SEQ=SPARS 25; NSAMP=5			102.934351 Secs (102.934 Secs) [==>]	[1]
6	GRW IR; F127M grism direct image; full-frame	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, G102-REF	F127M	SAMP-SEQ=RAPID ; NSAMP=5			14.661455 Secs (14.661 Secs) [==>]	[1]
<i>Comments: Direct image for both grisms; aperture g102-ref is the same as g141-ref.</i>									
7	F218W-UVIS1, no PF	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F218W	CR-SPLIT=NO			17.6 Secs (17.6 Secs) [==>]	[1]
8	F218W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F218W	CR-SPLIT=NO; FLASH=12.		Pattern 1, Exps 8-9 in Visit 01 (1)	17.6 Secs (35.2 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
9	F225W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F225W	CR-SPLIT=NO; FLASH=12.		Pattern 1, Exps 8-9 in Visit 01 (1)	6.3 Secs (12.6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
10	F225W-UVIS1, no PF	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F225W	CR-SPLIT=NO			6.3 Secs (6.3 Secs) [==>]	[1]
11	F275W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F275W	CR-SPLIT=NO; FLASH=12.			6.0 Secs (6 Secs) [==>]	[1]
12	F336W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F336W	CR-SPLIT=NO; FLASH=12.0			4.0 Secs (4 Secs) [==>]	[1]
13	F438W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F438W	CR-SPLIT=NO; FLASH=12.			3.1 Secs (3.1 Secs) [==>]	[1]
14	F606W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F606W	CR-SPLIT=NO; FLASH=12.			1.3 Secs (1.3 Secs) [==>]	[1]
15	F218W-UVIS2, no PF	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F218W	CR-SPLIT=NO			17.6 Secs (17.6 Secs) [==>]	[1]
16	F218W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F218W	CR-SPLIT=NO; FLASH=12.0		Pattern 1, Exps 16-17 in Visit 01 (1)	17.6 Secs (35.2 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
17	F225W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F225W	CR-SPLIT=NO; FLASH=12.0		Pattern 1, Exps 16-17 in Visit 01 (1)	6.3 Secs (12.6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]

Proposal 13088 - Visit 01 - WFC3 Contamination and Photometric Stability Monitor

18	F225W-UVI S2,no PF	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F225W	CR-SPLIT=NO	6.3 Secs (6.3 Secs)	[1]
19	F275W-UVI S2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F275W	CR-SPLIT=NO; FLASH=12.0	6.0 Secs (6 Secs)	[1]
20	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]
21	F438W-UVI S2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	CR-SPLIT=NO; FLASH=12.0	3.1 Secs (3.1 Secs)	[1]
22	F814W-UVI S2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F814W	CR-SPLIT=NO; FLASH=12.	6.2 Secs (6.2 Secs)	[1]
23	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	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>							
24	G280 image, chip2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS	G280	SIZEAXIS2=768; CENTERAXIS2=1026; AMP=D; FLASH=12.0	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 13088 - Visit 02 - WFC3 Contamination and Photometric Stability Monitor

Wed Aug 28 01:08:59 GMT 2013

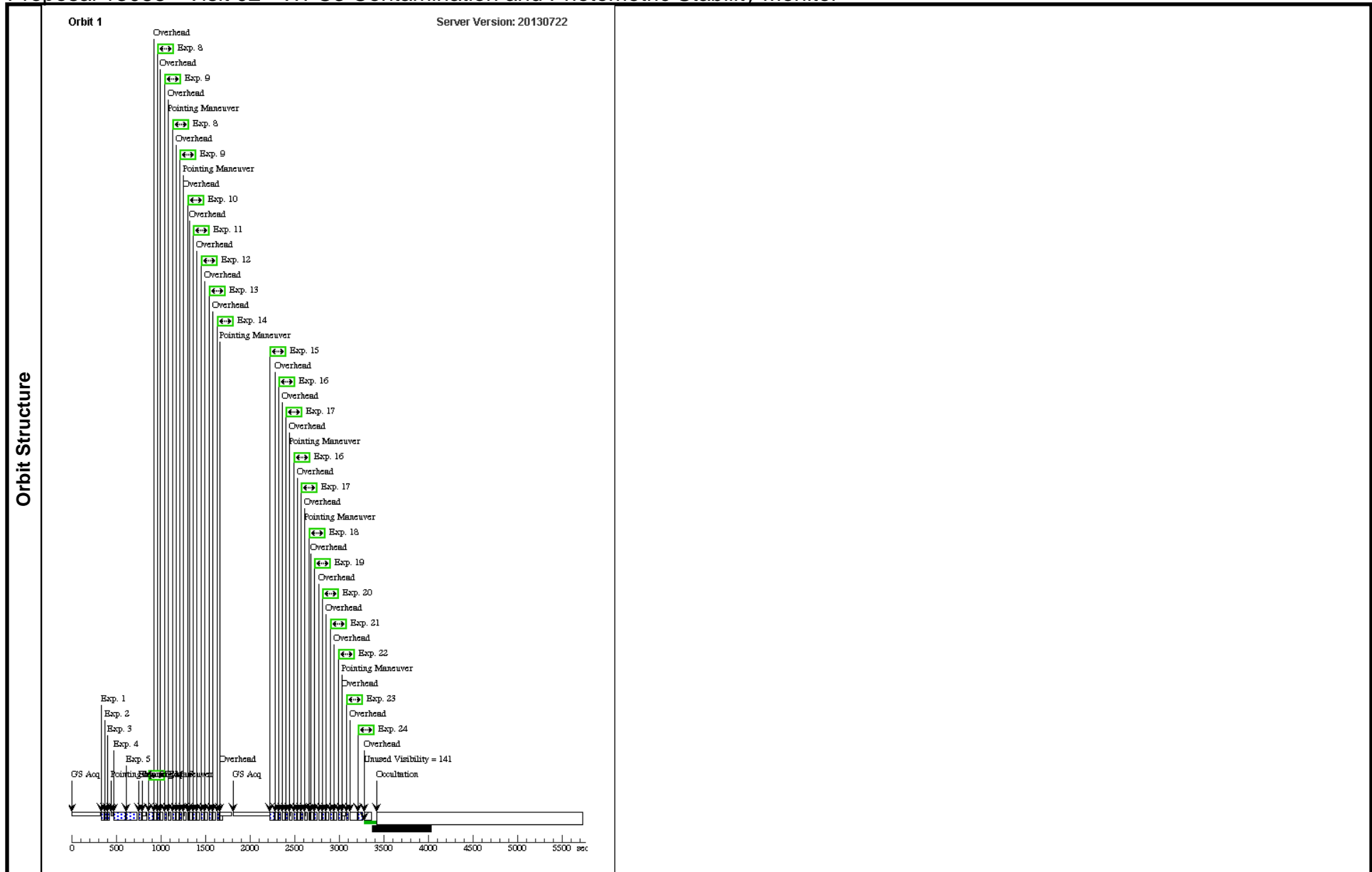
Visit	Proposal 13088, Visit 02, withdrawn Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: SCHED 50%; BETWEEN 24-DEC-2012:00:00:00 AND 30-DEC-2012:23:59:59 <i>Comments: single orbit covering UVIS1, UVIS2, IR, and grisms from both channels</i>					
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(1)	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		(8-9), (16-17)	
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 13088 - Visit 02 - WFC3 Contamination and Photometric Stability Monitor

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	F098M	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, IRSUB256	F098M	SAMP-SEQ=RAPID ; NSAMP=12	POS TARG 3.5,-2.6		3.33378 Secs (3.334 Secs) [==>]	[1]
2	F125W	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, IRSUB256	F125W	SAMP-SEQ=RAPID ; NSAMP=12	POS TARG 3.5,-2.6		3.33378 Secs (3.334 Secs) [==>]	[1]
3	F160W	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, IRSUB512	F160W	SAMP-SEQ=RAPID ; NSAMP=8	POS TARG 3.5,-2.6		6.824216 Secs (6.824 Secs) [==>]	[1]
4	G141; full-frame	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, IR	G141	SAMP-SEQ=SPARS 25; NSAMP=5			102.934351 Secs (102.934 Secs) [==>]	[1]
5	G102; full-frame	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, IR	G102	SAMP-SEQ=SPARS 25; NSAMP=5			102.934351 Secs (102.934 Secs) [==>]	[1]
6	GRW IR; F127M grism direct image; full-frame	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, G102-REF	F127M	SAMP-SEQ=RAPID ; NSAMP=5			14.661455 Secs (14.661 Secs) [==>]	[1]
<i>Comments: Direct image for both grisms; aperture g102-ref is the same as g141-ref.</i>									
7	F218W-UVIS1, no PF	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F218W	CR-SPLIT=NO			17.6 Secs (17.6 Secs) [==>]	[1]
8	F218W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F218W	CR-SPLIT=NO; FLASH=12.		Pattern 1, Exps 8-9 in Visit 02 (1)	17.6 Secs (35.2 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
9	F225W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F225W	CR-SPLIT=NO; FLASH=12.		Pattern 1, Exps 8-9 in Visit 02 (1)	6.3 Secs (12.6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
10	F225W-UVIS1, no PF	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F225W	CR-SPLIT=NO			6.3 Secs (6.3 Secs) [==>]	[1]
11	F275W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F275W	CR-SPLIT=NO; FLASH=12.			6.0 Secs (6 Secs) [==>]	[1]
12	F336W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F336W	CR-SPLIT=NO; FLASH=12.0			4.0 Secs (4 Secs) [==>]	[1]
13	F438W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F438W	CR-SPLIT=NO; FLASH=12.			3.1 Secs (3.1 Secs) [==>]	[1]
14	F606W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F606W	CR-SPLIT=NO; FLASH=12.			1.3 Secs (1.3 Secs) [==>]	[1]
15	F218W-UVIS2, no PF	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F218W	CR-SPLIT=NO			17.6 Secs (17.6 Secs) [==>]	[1]
16	F218W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F218W	CR-SPLIT=NO; FLASH=12.0		Pattern 1, Exps 16-17 in Visit 02 (1)	17.6 Secs (35.2 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
17	F225W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F225W	CR-SPLIT=NO; FLASH=12.0		Pattern 1, Exps 16-17 in Visit 02 (1)	6.3 Secs (12.6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]

Proposal 13088 - Visit 02 - WFC3 Contamination and Photometric Stability Monitor

18	F225W-UVIS2,no PF	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F225W	CR-SPLIT=NO	6.3 Secs (6.3 Secs)	[1]
19	F275W-UVIS2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F275W	CR-SPLIT=NO; FLASH=12.0	6.0 Secs (6 Secs)	[1]
20	F336W-UVIS2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F336W	CR-SPLIT=NO; FLASH=12.0	4.0 Secs (4 Secs)	[1]
21	F438W-UVIS2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	CR-SPLIT=NO; FLASH=12.0	3.1 Secs (3.1 Secs)	[1]
22	F814W-UVIS2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F814W	CR-SPLIT=NO; FLASH=12.	6.2 Secs (6.2 Secs)	[1]
23	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	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>							
24	G280 image, chip2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS	G280	SIZEAXIS2=768; CENTERAXIS2=1026; AMP=D; FLASH=12.0	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 13088 - Visit 03 - WFC3 Contamination and Photometric Stability Monitor

Wed Aug 28 01:09:01 GMT 2013

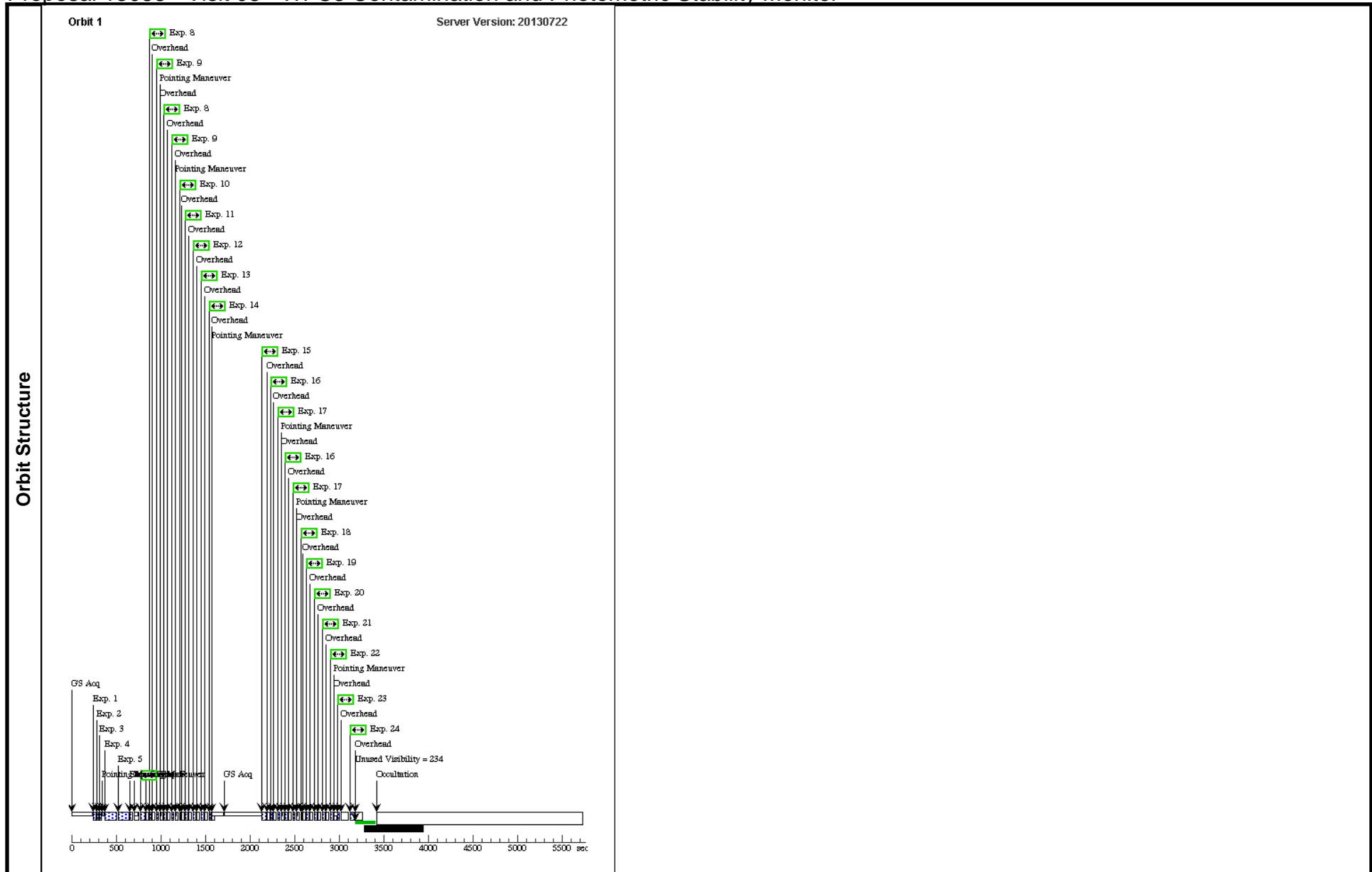
Visit	Proposal 13088, Visit 03, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: SCHED 50%; BETWEEN 04-FEB-2013:00:00:00 AND 11-FEB-2013:23:59:59 <i>Comments: single orbit covering UVIS1, UVIS2, IR, and grisms from both channels</i>					
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(1)	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		(8-9), (16-17)	
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 13088 - Visit 03 - WFC3 Contamination and Photometric Stability Monitor

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	F098M	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, IRSUB256	F098M	SAMP-SEQ=RAPID ; NSAMP=12	POS TARG 3.5,-2.6; GS ACQ SCENARIO SINGLE		3.33378 Secs (3.334 Secs) [==>]	[1]
2	F125W	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, IRSUB256	F125W	SAMP-SEQ=RAPID ; NSAMP=12	POS TARG 3.5,-2.6		3.33378 Secs (3.334 Secs) [==>]	[1]
3	F160W	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, IRSUB512	F160W	SAMP-SEQ=RAPID ; NSAMP=8	POS TARG 3.5,-2.6		6.824216 Secs (6.824 Secs) [==>]	[1]
4	G141; full-frame	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, IR	G141	SAMP-SEQ=SPARS25; NSAMP=5			102.934351 Secs (102.934 Secs) [==>]	[1]
5	G102; full-frame	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, IR	G102	SAMP-SEQ=SPARS25; NSAMP=5			102.934351 Secs (102.934 Secs) [==>]	[1]
6	GRW IR; F127M grism direct image; full-frame	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, G102-REF	F127M	SAMP-SEQ=RAPID ; NSAMP=5			14.661455 Secs (14.661 Secs) [==>]	[1]
<i>Comments: Direct image for both grisms; aperture g102-ref is the same as g141-ref.</i>									
7	F218W-UVIS1, no PF	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F218W	CR-SPLIT=NO			17.6 Secs (17.6 Secs) [==>]	[1]
8	F218W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F218W	CR-SPLIT=NO; FLASH=12.		Pattern 1, Exps 8-9 in Visit 03 (1)	17.6 Secs (35.2 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
9	F225W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F225W	CR-SPLIT=NO; FLASH=12.		Pattern 1, Exps 8-9 in Visit 03 (1)	6.3 Secs (12.6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
10	F225W-UVIS1, no PF	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F225W	CR-SPLIT=NO			6.3 Secs (6.3 Secs) [==>]	[1]
11	F275W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F275W	CR-SPLIT=NO; FLASH=12.			6.0 Secs (6 Secs) [==>]	[1]
12	F336W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F336W	CR-SPLIT=NO; FLASH=12.0			4.0 Secs (4 Secs) [==>]	[1]
13	F438W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F438W	CR-SPLIT=NO; FLASH=12.			3.1 Secs (3.1 Secs) [==>]	[1]
14	F606W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F606W	CR-SPLIT=NO; FLASH=12.			1.3 Secs (1.3 Secs) [==>]	[1]
15	F218W-UVIS2, no PF	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F218W	CR-SPLIT=NO			17.6 Secs (17.6 Secs) [==>]	[1]
16	F218W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F218W	CR-SPLIT=NO; FLASH=12.0		Pattern 1, Exps 16-17 in Visit 03 (1)	17.6 Secs (35.2 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
17	F225W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F225W	CR-SPLIT=NO; FLASH=12.0		Pattern 1, Exps 16-17 in Visit 03 (1)	6.3 Secs (12.6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]

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18	F225W-UVI S2,no PF	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F225W	CR-SPLIT=NO	6.3 Secs (6.3 Secs)	[1]
19	F275W-UVI S2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F275W	CR-SPLIT=NO; FLASH=12.0	6.0 Secs (6 Secs)	[1]
20	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]
21	F438W-UVI S2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	CR-SPLIT=NO; FLASH=12.0	3.1 Secs (3.1 Secs)	[1]
22	F814W-UVI S2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F814W	CR-SPLIT=NO; FLASH=12.	6.2 Secs (6.2 Secs)	[1]
23	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	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>							
24	G280 image, chip2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS	G280	SIZEAXIS2=768; CENTERAXIS2=1026; AMP=D; FLASH=12.0	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>							



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Wed Aug 28 01:09:03 GMT 2013

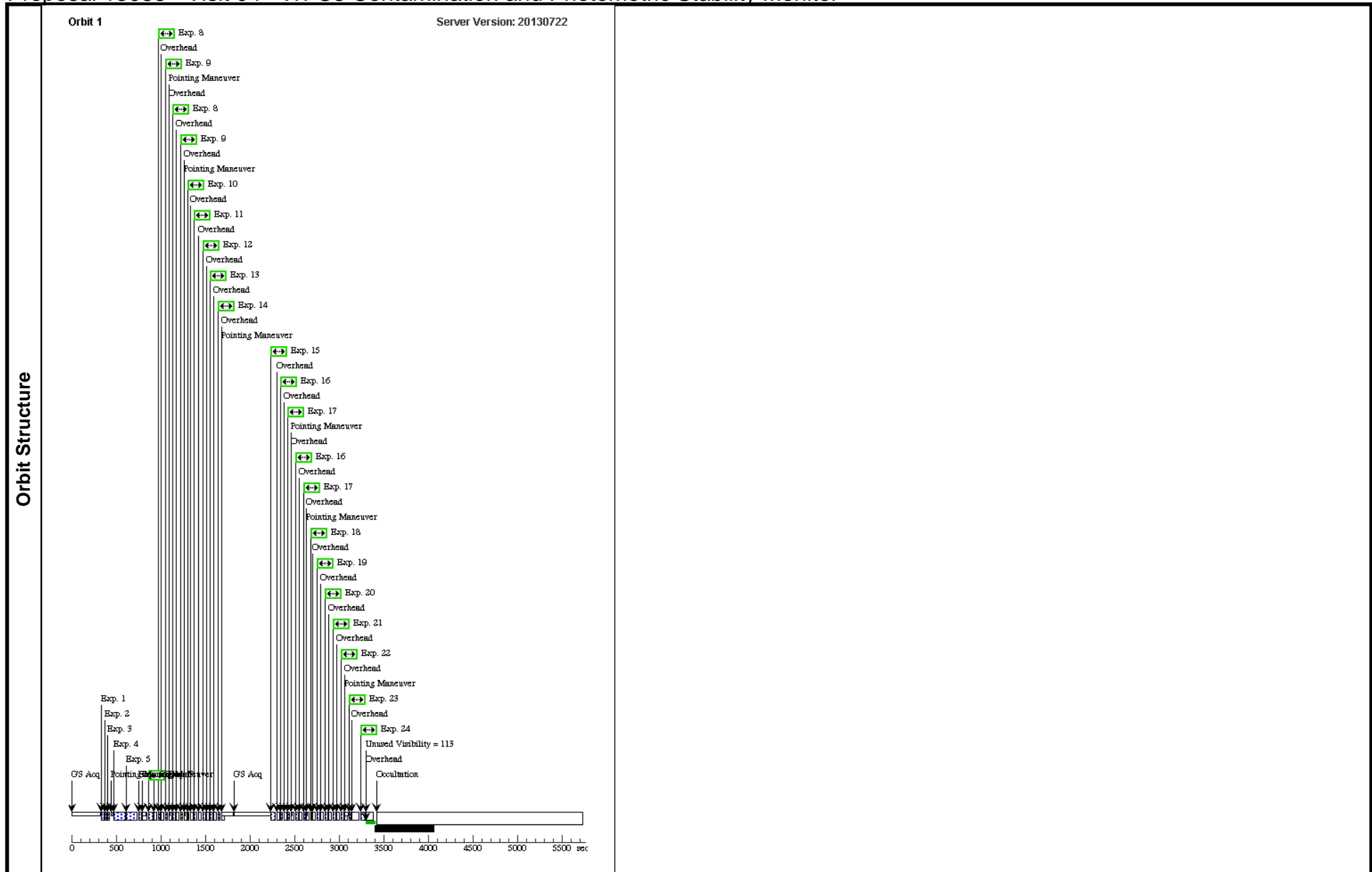
Visit	Proposal 13088, Visit 04, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: SCHED 50%; BETWEEN 04-MAR-2013:00:00:00 AND 10-MAR-2013:23:59:59 <i>Comments: single orbit covering UVIS1, UVIS2, IR, and grisms from both channels</i>					
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(1)	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		(8-9), (16-17)	
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

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#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	F098M	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, IRSUB256	F098M	SAMP-SEQ=RAPID ; NSAMP=12	POS TARG 3.5,-2.6; GS ACQ SCENARI O BASE1B3		3.33378 Secs (3.334 Secs) [==>]	[1]
2	F125W	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, IRSUB256	F125W	SAMP-SEQ=RAPID ; NSAMP=12	POS TARG 3.5,-2.6		3.33378 Secs (3.334 Secs) [==>]	[1]
3	F160W	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, IRSUB512	F160W	SAMP-SEQ=RAPID ; NSAMP=8	POS TARG 3.5,-2.6		6.824216 Secs (6.824 Secs) [==>]	[1]
4	G141; full-frame	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, IR	G141	SAMP-SEQ=SPARS 25; NSAMP=5			102.934351 Secs (102.934 Secs) [==>]	[1]
5	G102; full-frame	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, IR	G102	SAMP-SEQ=SPARS 25; NSAMP=5			102.934351 Secs (102.934 Secs) [==>]	[1]
6	GRW IR; F127M grism direct image; full-frame	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, G102-REF	F127M	SAMP-SEQ=RAPID ; NSAMP=5			14.661455 Secs (14.661 Secs) [==>]	[1]
<i>Comments: Direct image for both grisms; aperture g102-ref is the same as g141-ref.</i>									
7	F218W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F218W	CR-SPLIT=NO; FLASH=12.			17.6 Secs (17.6 Secs) [==>]	[1]
8	F218W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F218W	CR-SPLIT=NO; FLASH=12.		Pattern 1, Exps 8-9 in Visit 04 (1)	17.6 Secs (35.2 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
9	F225W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F225W	CR-SPLIT=NO; FLASH=12.		Pattern 1, Exps 8-9 in Visit 04 (1)	6.3 Secs (12.6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
10	F225W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F225W	CR-SPLIT=NO; FLASH=12.			6.3 Secs (6.3 Secs) [==>]	[1]
11	F275W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F275W	CR-SPLIT=NO; FLASH=12.			6.0 Secs (6 Secs) [==>]	[1]
12	F336W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F336W	CR-SPLIT=NO; FLASH=12.0			4.0 Secs (4 Secs) [==>]	[1]
13	F438W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F438W	CR-SPLIT=NO; FLASH=12.			3.1 Secs (3.1 Secs) [==>]	[1]
14	F606W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F606W	CR-SPLIT=NO; FLASH=12.			1.3 Secs (1.3 Secs) [==>]	[1]
15	F218W-UVIS2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F218W	CR-SPLIT=NO; FLASH=12.	GS ACQ SCENARI O BASE1B3		17.6 Secs (17.6 Secs) [==>]	[1]
16	F218W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F218W	CR-SPLIT=NO; FLASH=12.0		Pattern 1, Exps 16-17 in Visit 04 (1)	17.6 Secs (35.2 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
17	F225W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F225W	CR-SPLIT=NO; FLASH=12.0		Pattern 1, Exps 16-17 in Visit 04 (1)	6.3 Secs (12.6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]

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18	F225W-UVI S2,noPF	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F225W	CR-SPLIT=NO; FLASH=12.0	6.3 Secs (6.3 Secs)	[1]
19	F275W-UVI S2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F275W	CR-SPLIT=NO; FLASH=12.0	6.0 Secs (6 Secs)	[1]
20	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]
21	F438W-UVI S2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	CR-SPLIT=NO; FLASH=12.0	3.1 Secs (3.1 Secs)	[1]
22	F814W-UVI S2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F814W	CR-SPLIT=NO; FLASH=12.0	6.2 Secs (6.2 Secs)	[1]
23	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	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>							
24	G280 image, chip2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS	G280	SIZEAXIS2=768; CENTERAXIS2=1026; AMP=D; FLASH=12.0	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 13088 - Visit 05 - WFC3 Contamination and Photometric Stability Monitor

Wed Aug 28 01:09:05 GMT 2013

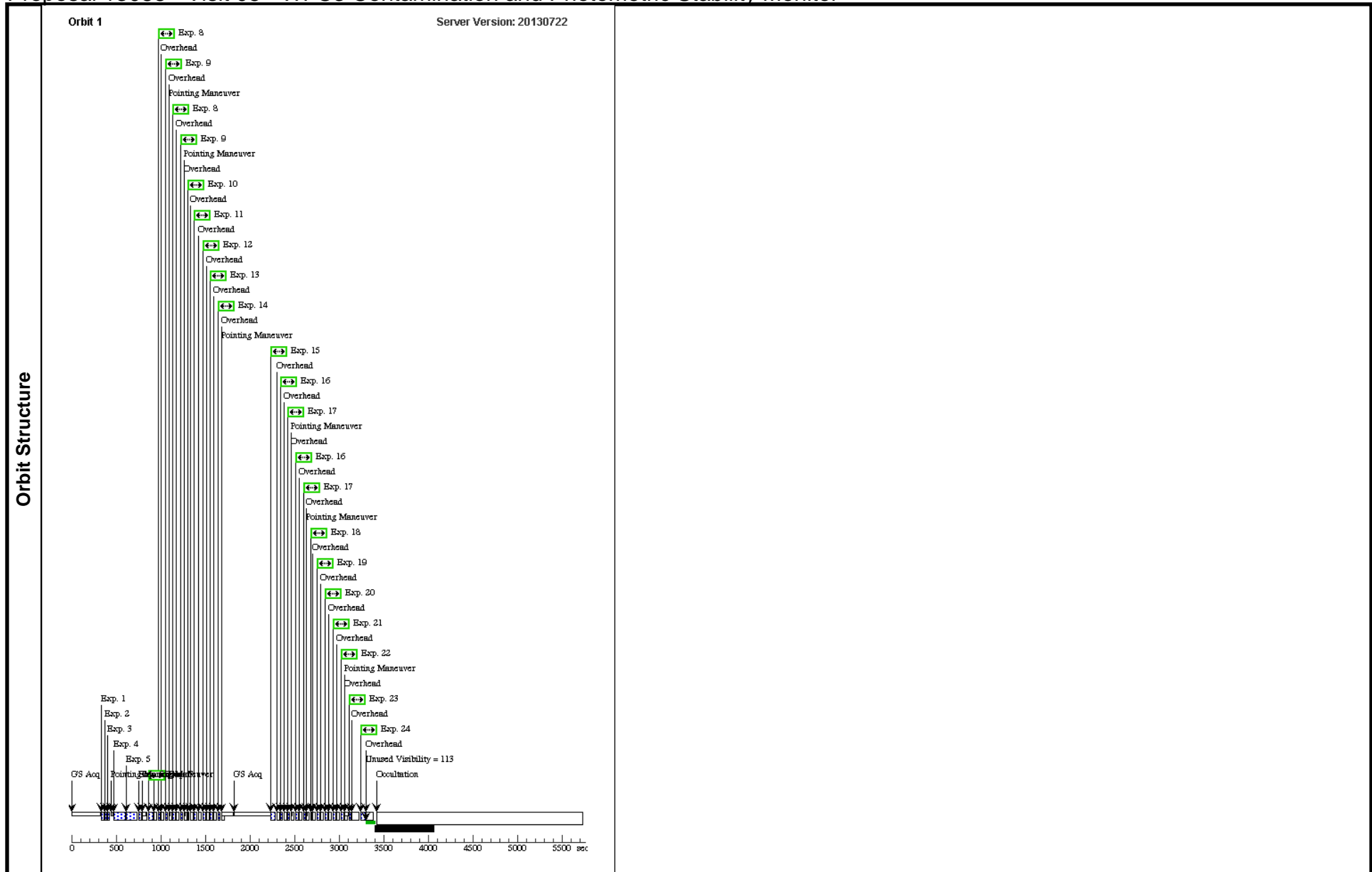
Visit	Proposal 13088, Visit 05, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: SCHED 50%; BETWEEN 08-APR-2013:00:00:00 AND 14-APR-2013:23:59:59 <i>Comments: single orbit covering UVIS1, UVIS2, IR, and grisms from both channels</i>					
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(1)	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		(8-9), (16-17)	
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

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#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	F098M	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, IRSUB256	F098M	SAMP-SEQ=RAPID ; NSAMP=12	POS TARG 3.5,-2.6; GS ACQ SCENARIO BASE1B3		3.33378 Secs (3.334 Secs) [==>]	[1]
2	F125W	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, IRSUB256	F125W	SAMP-SEQ=RAPID ; NSAMP=12	POS TARG 3.5,-2.6		3.33378 Secs (3.334 Secs) [==>]	[1]
3	F160W	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, IRSUB512	F160W	SAMP-SEQ=RAPID ; NSAMP=8	POS TARG 3.5,-2.6		6.824216 Secs (6.824 Secs) [==>]	[1]
4	G141; full-frame	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, IR	G141	SAMP-SEQ=SPARS25; NSAMP=5			102.934351 Secs (102.934 Secs) [==>]	[1]
5	G102; full-frame	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, IR	G102	SAMP-SEQ=SPARS25; NSAMP=5			102.934351 Secs (102.934 Secs) [==>]	[1]
6	GRW IR; F127M grism direct image; full-frame	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, G102-REF	F127M	SAMP-SEQ=RAPID ; NSAMP=5			14.661455 Secs (14.661 Secs) [==>]	[1]
<i>Comments: Direct image for both grisms; aperture g102-ref is the same as g141-ref.</i>									
7	F218W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F218W	CR-SPLIT=NO; FLASH=12.			17.6 Secs (17.6 Secs) [==>]	[1]
8	F218W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F218W	CR-SPLIT=NO; FLASH=12.		Pattern 1, Exps 8-9 in Visit 05 (1)	17.6 Secs (35.2 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
9	F225W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F225W	CR-SPLIT=NO; FLASH=12.		Pattern 1, Exps 8-9 in Visit 05 (1)	6.3 Secs (12.6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
10	F225W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F225W	CR-SPLIT=NO; FLASH=12.			6.3 Secs (6.3 Secs) [==>]	[1]
11	F275W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F275W	CR-SPLIT=NO; FLASH=12.			6.0 Secs (6 Secs) [==>]	[1]
12	F336W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F336W	CR-SPLIT=NO; FLASH=12.0			4.0 Secs (4 Secs) [==>]	[1]
13	F438W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F438W	CR-SPLIT=NO; FLASH=12.			3.1 Secs (3.1 Secs) [==>]	[1]
14	F606W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F606W	CR-SPLIT=NO; FLASH=12.			1.3 Secs (1.3 Secs) [==>]	[1]
15	F218W-UVIS2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F218W	CR-SPLIT=NO; FLASH=12.	GS ACQ SCENARIO BASE1B3		17.6 Secs (17.6 Secs) [==>]	[1]
16	F218W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F218W	CR-SPLIT=NO; FLASH=12.0		Pattern 1, Exps 16-17 in Visit 05 (1)	17.6 Secs (35.2 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
17	F225W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F225W	CR-SPLIT=NO; FLASH=12.0		Pattern 1, Exps 16-17 in Visit 05 (1)	6.3 Secs (12.6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]

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18	F225W-UVI S2,noPF	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F225W	CR-SPLIT=NO; FLASH=12.0	6.3 Secs (6.3 Secs)	[1]
19	F275W-UVI S2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F275W	CR-SPLIT=NO; FLASH=12.0	6.0 Secs (6 Secs)	[1]
20	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]
21	F438W-UVI S2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	CR-SPLIT=NO; FLASH=12.0	3.1 Secs (3.1 Secs)	[1]
22	F814W-UVI S2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F814W	CR-SPLIT=NO; FLASH=12.0	6.2 Secs (6.2 Secs)	[1]
23	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	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>							
24	G280 image, chip2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS	G280	SIZEAXIS2=768; CENTERAXIS2=1026; AMP=D; FLASH=12.0	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 13088 - Visit 06 - WFC3 Contamination and Photometric Stability Monitor

Wed Aug 28 01:09:07 GMT 2013

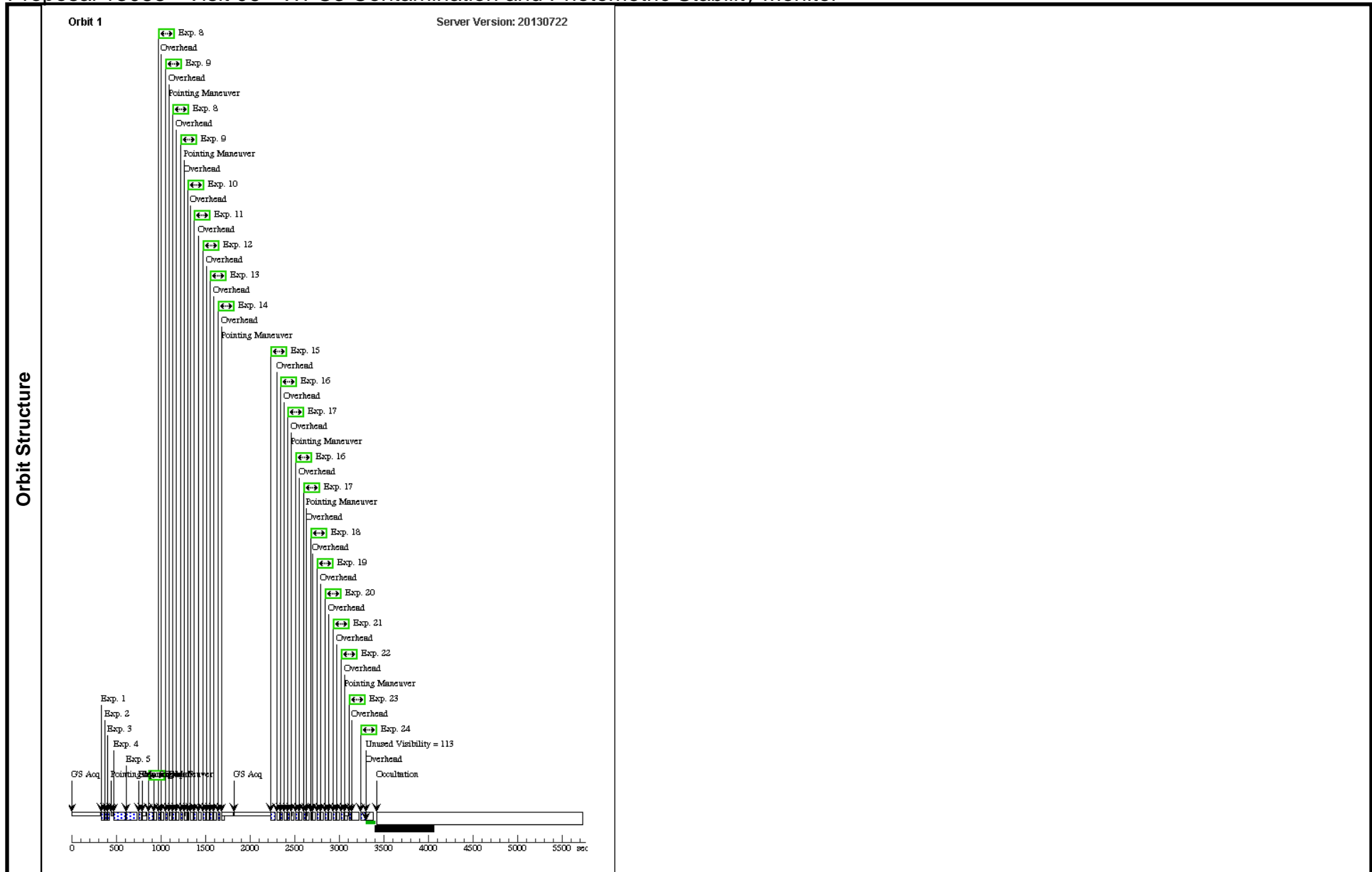
Visit	Proposal 13088, Visit 06, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: SCHED 50%; BETWEEN 13-MAY-2013:00:00:00 AND 19-MAY-2013:23:59:59 <i>Comments: single orbit covering UVIS1, UVIS2, IR, and grisms from both channels</i>					
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(1)	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		(8-9), (16-17)	
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 13088 - Visit 06 - WFC3 Contamination and Photometric Stability Monitor

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	F098M	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, IRSUB256	F098M	SAMP-SEQ=RAPID ; NSAMP=12	POS TARG 3.5,-2.6; GS ACQ SCENARI O BASE1B3		3.33378 Secs (3.334 Secs) [==>]	[1]
2	F125W	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, IRSUB256	F125W	SAMP-SEQ=RAPID ; NSAMP=12	POS TARG 3.5,-2.6		3.33378 Secs (3.334 Secs) [==>]	[1]
3	F160W	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, IRSUB512	F160W	SAMP-SEQ=RAPID ; NSAMP=8	POS TARG 3.5,-2.6		6.824216 Secs (6.824 Secs) [==>]	[1]
4	G141; full-frame	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, IR	G141	SAMP-SEQ=SPARS 25; NSAMP=5			102.934351 Secs (102.934 Secs) [==>]	[1]
5	G102; full-frame	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, IR	G102	SAMP-SEQ=SPARS 25; NSAMP=5			102.934351 Secs (102.934 Secs) [==>]	[1]
6	GRW IR; F127M grism direct image; full-frame	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, G102-REF	F127M	SAMP-SEQ=RAPID ; NSAMP=5			14.661455 Secs (14.661 Secs) [==>]	[1]
<i>Comments: Direct image for both grisms; aperture g102-ref is the same as g141-ref.</i>									
7	F218W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F218W	CR-SPLIT=NO; FLASH=12.			17.6 Secs (17.6 Secs) [==>]	[1]
8	F218W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F218W	CR-SPLIT=NO; FLASH=12.		Pattern 1, Exps 8-9 in Visit 06 (1)	17.6 Secs (35.2 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
9	F225W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F225W	CR-SPLIT=NO; FLASH=12.		Pattern 1, Exps 8-9 in Visit 06 (1)	6.3 Secs (12.6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
10	F225W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F225W	CR-SPLIT=NO; FLASH=12.			6.3 Secs (6.3 Secs) [==>]	[1]
11	F275W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F275W	CR-SPLIT=NO; FLASH=12.			6.0 Secs (6 Secs) [==>]	[1]
12	F336W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F336W	CR-SPLIT=NO; FLASH=12.0			4.0 Secs (4 Secs) [==>]	[1]
13	F438W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F438W	CR-SPLIT=NO; FLASH=12.			3.1 Secs (3.1 Secs) [==>]	[1]
14	F606W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F606W	CR-SPLIT=NO; FLASH=12.			1.3 Secs (1.3 Secs) [==>]	[1]
15	F218W-UVIS2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F218W	CR-SPLIT=NO; FLASH=12.	GS ACQ SCENARI O BASE1B3		17.6 Secs (17.6 Secs) [==>]	[1]
16	F218W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F218W	CR-SPLIT=NO; FLASH=12.0		Pattern 1, Exps 16-17 in Visit 06 (1)	17.6 Secs (35.2 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
17	F225W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F225W	CR-SPLIT=NO; FLASH=12.0		Pattern 1, Exps 16-17 in Visit 06 (1)	6.3 Secs (12.6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]

Proposal 13088 - Visit 06 - WFC3 Contamination and Photometric Stability Monitor

18	F225W-UVI S2,noPF	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F225W	CR-SPLIT=NO; FLASH=12.0	6.3 Secs (6.3 Secs)	[1]
19	F275W-UVI S2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F275W	CR-SPLIT=NO; FLASH=12.0	6.0 Secs (6 Secs)	[1]
20	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]
21	F438W-UVI S2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	CR-SPLIT=NO; FLASH=12.0	3.1 Secs (3.1 Secs)	[1]
22	F814W-UVI S2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F814W	CR-SPLIT=NO; FLASH=12.0	6.2 Secs (6.2 Secs)	[1]
23	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	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>							
24	G280 image, chip2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS	G280	SIZEAXIS2=768; CENTERAXIS2=1026; AMP=D; FLASH=12.0	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 13088 - Visit 07 - WFC3 Contamination and Photometric Stability Monitor

Wed Aug 28 01:09:08 GMT 2013

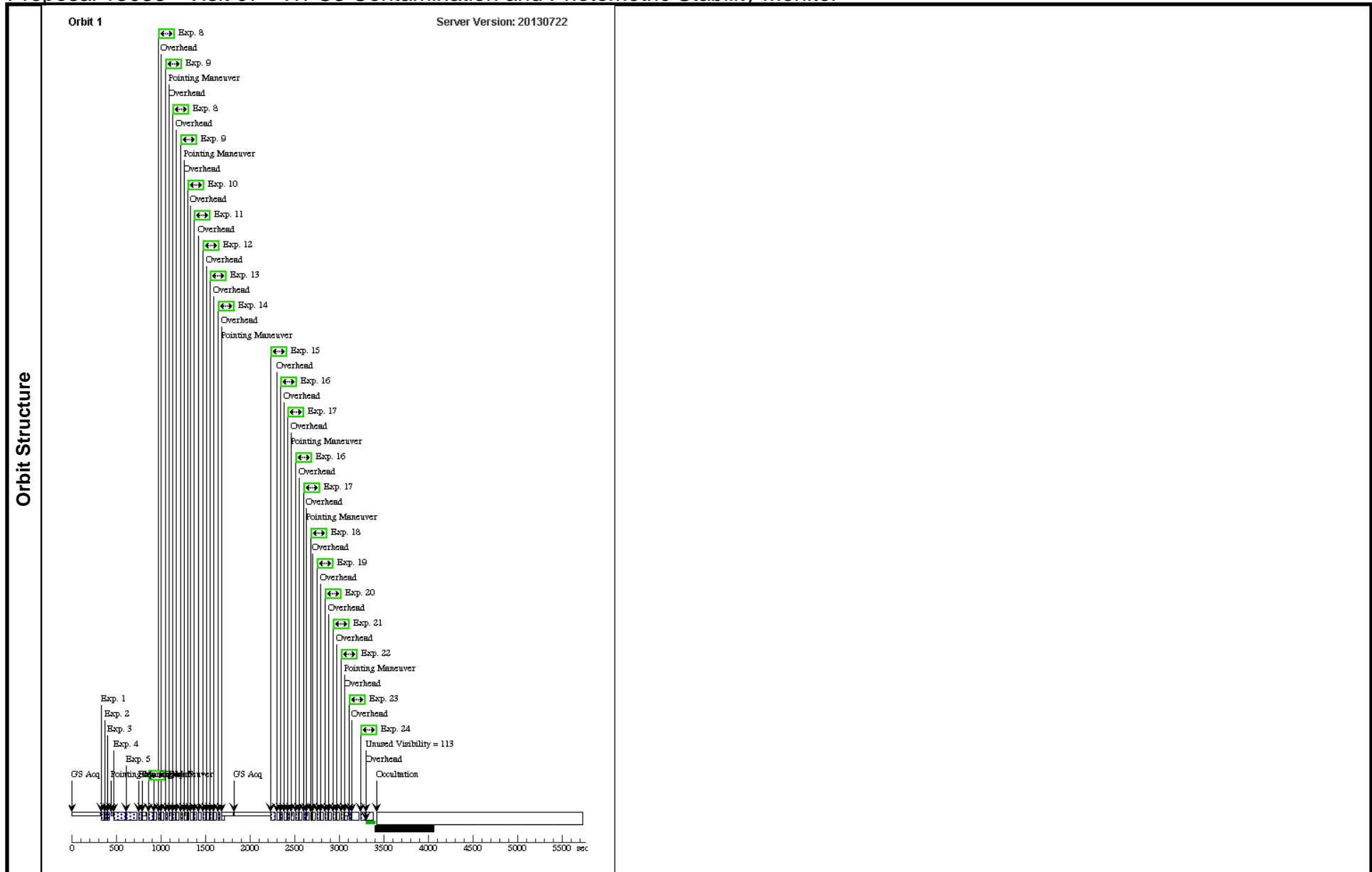
Visit	Proposal 13088, Visit 07, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: SCHED 50%; BETWEEN 17-JUN-2013:00:00:00 AND 23-JUN-2013:23:59:59 <i>Comments: single orbit covering UVIS1, UVIS2, IR, and grisms from both channels</i>					
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(1)	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		(8-9), (16-17)	
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 13088 - Visit 07 - WFC3 Contamination and Photometric Stability Monitor

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	F098M	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, IRSUB256	F098M	SAMP-SEQ=RAPID ; NSAMP=12	POS TARG 3.5,-2.6; GS ACQ SCENARI O BASE1B3		3.33378 Secs (3.334 Secs) [==>]	[1]
2	F125W	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, IRSUB256	F125W	SAMP-SEQ=RAPID ; NSAMP=12	POS TARG 3.5,-2.6		3.33378 Secs (3.334 Secs) [==>]	[1]
3	F160W	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, IRSUB512	F160W	SAMP-SEQ=RAPID ; NSAMP=8	POS TARG 3.5,-2.6		6.824216 Secs (6.824 Secs) [==>]	[1]
4	G141; full-frame	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, IR	G141	SAMP-SEQ=SPARS 25; NSAMP=5			102.934351 Secs (102.934 Secs) [==>]	[1]
5	G102; full-frame	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, IR	G102	SAMP-SEQ=SPARS 25; NSAMP=5			102.934351 Secs (102.934 Secs) [==>]	[1]
6	GRW IR; F127M grism direct image; full-frame	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, G102-REF	F127M	SAMP-SEQ=RAPID ; NSAMP=5			14.661455 Secs (14.661 Secs) [==>]	[1]
<i>Comments: Direct image for both grisms; aperture g102-ref is the same as g141-ref.</i>									
7	F218W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F218W	CR-SPLIT=NO; FLASH=12.			17.6 Secs (17.6 Secs) [==>]	[1]
8	F218W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F218W	CR-SPLIT=NO; FLASH=12.		Pattern 1, Exps 8-9 in Visit 07 (1)	17.6 Secs (35.2 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
9	F225W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F225W	CR-SPLIT=NO; FLASH=12.		Pattern 1, Exps 8-9 in Visit 07 (1)	6.3 Secs (12.6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
10	F225W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F225W	CR-SPLIT=NO; FLASH=12.			6.3 Secs (6.3 Secs) [==>]	[1]
11	F275W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F275W	CR-SPLIT=NO; FLASH=12.			6.0 Secs (6 Secs) [==>]	[1]
12	F336W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F336W	CR-SPLIT=NO; FLASH=12.0			4.0 Secs (4 Secs) [==>]	[1]
13	F438W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F438W	CR-SPLIT=NO; FLASH=12.			3.1 Secs (3.1 Secs) [==>]	[1]
14	F606W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F606W	CR-SPLIT=NO; FLASH=12.			1.3 Secs (1.3 Secs) [==>]	[1]
15	F218W-UVIS2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F218W	CR-SPLIT=NO; FLASH=12.	GS ACQ SCENARI O BASE1B3		17.6 Secs (17.6 Secs) [==>]	[1]
16	F218W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F218W	CR-SPLIT=NO; FLASH=12.0		Pattern 1, Exps 16-17 in Visit 07 (1)	17.6 Secs (35.2 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
17	F225W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F225W	CR-SPLIT=NO; FLASH=12.0		Pattern 1, Exps 16-17 in Visit 07 (1)	6.3 Secs (12.6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]

Proposal 13088 - Visit 07 - WFC3 Contamination and Photometric Stability Monitor

18	F225W-UVI S2,noPF	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F225W	CR-SPLIT=NO; FLASH=12.0	6.3 Secs (6.3 Secs)	[1]
19	F275W-UVI S2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F275W	CR-SPLIT=NO; FLASH=12.0	6.0 Secs (6 Secs)	[1]
20	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]
21	F438W-UVI S2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	CR-SPLIT=NO; FLASH=12.0	3.1 Secs (3.1 Secs)	[1]
22	F814W-UVI S2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F814W	CR-SPLIT=NO; FLASH=12.0	6.2 Secs (6.2 Secs)	[1]
23	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	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>							
24	G280 image, chip2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS	G280	SIZEAXIS2=768; CENTERAXIS2=1026; AMP=D; FLASH=12.0	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 13088 - Visit 08 - WFC3 Contamination and Photometric Stability Monitor

Wed Aug 28 01:09:10 GMT 2013

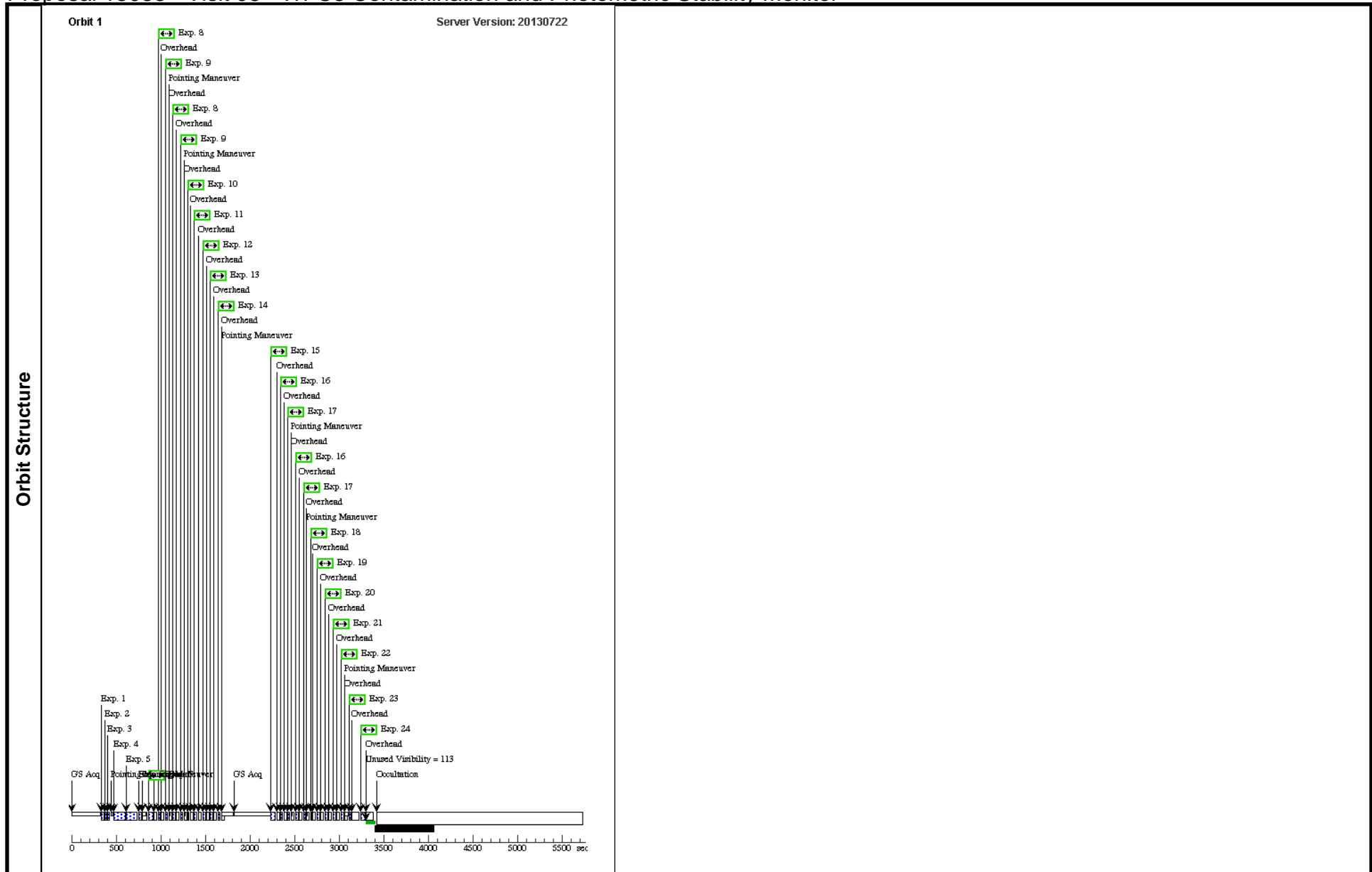
Visit	Proposal 13088, Visit 08, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: SCHED 50%; BETWEEN 22-JUL-2013:00:00:00 AND 28-JUL-2013:23:59:59 <i>Comments: single orbit covering UVIS1, UVIS2, IR, and grisms from both channels</i>					
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(1)	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		(8-9), (16-17)	
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 13088 - Visit 08 - WFC3 Contamination and Photometric Stability Monitor

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	F098M	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, IRSUB256	F098M	SAMP-SEQ=RAPID ; NSAMP=12	POS TARG 3.5,-2.6		3.33378 Secs (3.334 Secs) [==>]	[1]
2	F125W	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, IRSUB256	F125W	SAMP-SEQ=RAPID ; NSAMP=12	POS TARG 3.5,-2.6		3.33378 Secs (3.334 Secs) [==>]	[1]
3	F160W	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, IRSUB512	F160W	SAMP-SEQ=RAPID ; NSAMP=8	POS TARG 3.5,-2.6		6.824216 Secs (6.824 Secs) [==>]	[1]
4	G141; full-frame	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, IR	G141	SAMP-SEQ=SPARS 25; NSAMP=5			102.934351 Secs (102.934 Secs) [==>]	[1]
5	G102; full-frame	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, IR	G102	SAMP-SEQ=SPARS 25; NSAMP=5			102.934351 Secs (102.934 Secs) [==>]	[1]
6	GRW IR; F127M grism direct image; full-frame	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, G102-REF	F127M	SAMP-SEQ=RAPID ; NSAMP=5			14.661455 Secs (14.661 Secs) [==>]	[1]
<i>Comments: Direct image for both grisms; aperture g102-ref is the same as g141-ref.</i>									
7	F218W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F218W	CR-SPLIT=NO; FLASH=12.			17.6 Secs (17.6 Secs) [==>]	[1]
8	F218W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F218W	CR-SPLIT=NO; FLASH=12.		Pattern 1, Exps 8-9 in Visit 08 (1)	17.6 Secs (35.2 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
9	F225W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F225W	CR-SPLIT=NO; FLASH=12.		Pattern 1, Exps 8-9 in Visit 08 (1)	6.3 Secs (12.6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
10	F225W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F225W	CR-SPLIT=NO; FLASH=12.			6.3 Secs (6.3 Secs) [==>]	[1]
11	F275W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F275W	CR-SPLIT=NO; FLASH=12.			6.0 Secs (6 Secs) [==>]	[1]
12	F336W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F336W	CR-SPLIT=NO; FLASH=12.0			4.0 Secs (4 Secs) [==>]	[1]
13	F438W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F438W	CR-SPLIT=NO; FLASH=12.			3.1 Secs (3.1 Secs) [==>]	[1]
14	F606W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F606W	CR-SPLIT=NO; FLASH=12.			1.3 Secs (1.3 Secs) [==>]	[1]
15	F218W-UVIS2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F218W	CR-SPLIT=NO; FLASH=12.			17.6 Secs (17.6 Secs) [==>]	[1]
16	F218W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F218W	CR-SPLIT=NO; FLASH=12.0		Pattern 1, Exps 16-17 in Visit 08 (1)	17.6 Secs (35.2 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
17	F225W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F225W	CR-SPLIT=NO; FLASH=12.0		Pattern 1, Exps 16-17 in Visit 08 (1)	6.3 Secs (12.6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]

Proposal 13088 - Visit 08 - WFC3 Contamination and Photometric Stability Monitor

18	F225W-UVI S2,noPF	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F225W	CR-SPLIT=NO; FLASH=12.0	6.3 Secs (6.3 Secs)	[1]
19	F275W-UVI S2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F275W	CR-SPLIT=NO; FLASH=12.0	6.0 Secs (6 Secs)	[1]
20	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]
21	F438W-UVI S2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	CR-SPLIT=NO; FLASH=12.0	3.1 Secs (3.1 Secs)	[1]
22	F814W-UVI S2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F814W	CR-SPLIT=NO; FLASH=12.0	6.2 Secs (6.2 Secs)	[1]
23	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	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>							
24	G280 image, chip2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS	G280	SIZEAXIS2=768; CENTERAXIS2=1026; AMP=D; FLASH=12.0	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 13088 - Visit 09 - WFC3 Contamination and Photometric Stability Monitor

Wed Aug 28 01:09:12 GMT 2013

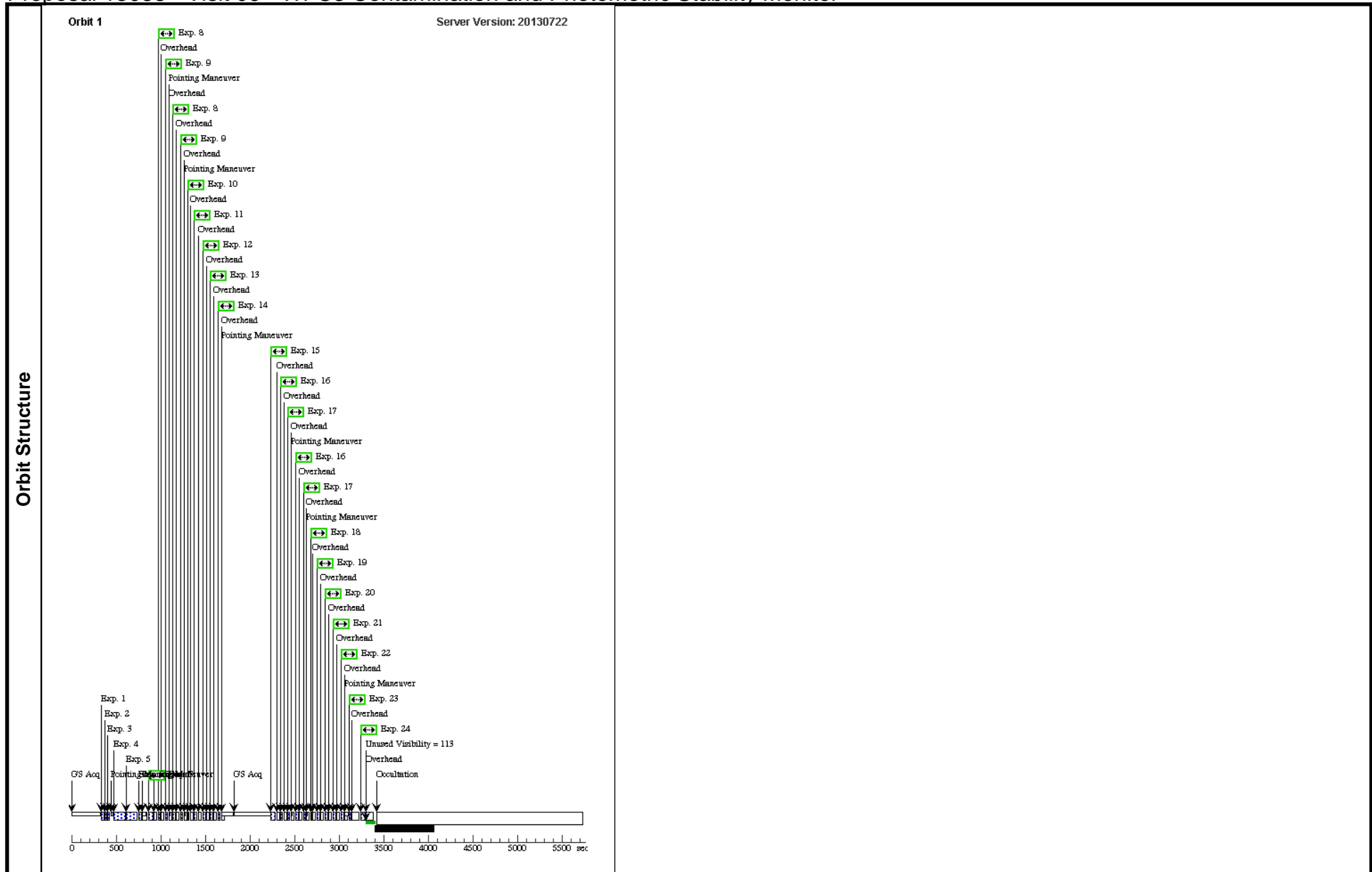
Visit	Proposal 13088, Visit 09, scheduled Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: SCHED 50%; BETWEEN 26-AUG-2013:00:00:00 AND 01-SEP-2013:23:59:59 <i>Comments: single orbit covering UVIS1, UVIS2, IR, and grisms from both channels</i>					
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(1)	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		(8-9), (16-17)	
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 13088 - Visit 09 - WFC3 Contamination and Photometric Stability Monitor

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	F098M	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, IRSUB256	F098M	SAMP-SEQ=RAPID ; NSAMP=12	POS TARG 3.5,-2.6		3.33378 Secs (3.334 Secs) [==>]	[1]
2	F125W	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, IRSUB256	F125W	SAMP-SEQ=RAPID ; NSAMP=12	POS TARG 3.5,-2.6		3.33378 Secs (3.334 Secs) [==>]	[1]
3	F160W	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, IRSUB512	F160W	SAMP-SEQ=RAPID ; NSAMP=8	POS TARG 3.5,-2.6		6.824216 Secs (6.824 Secs) [==>]	[1]
4	G141; full-frame	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, IR	G141	SAMP-SEQ=SPARS 25; NSAMP=5			102.934351 Secs (102.934 Secs) [==>]	[1]
5	G102; full-frame	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, IR	G102	SAMP-SEQ=SPARS 25; NSAMP=5			102.934351 Secs (102.934 Secs) [==>]	[1]
6	GRW IR; F127M grism direct image; full-frame	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, G102-REF	F127M	SAMP-SEQ=RAPID ; NSAMP=5			14.661455 Secs (14.661 Secs) [==>]	[1]
<i>Comments: Direct image for both grisms; aperture g102-ref is the same as g141-ref.</i>									
7	F218W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F218W	CR-SPLIT=NO; FLASH=12.			17.6 Secs (17.6 Secs) [==>]	[1]
8	F218W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F218W	CR-SPLIT=NO; FLASH=12.		Pattern 1, Exps 8-9 in Visit 09 (1)	17.6 Secs (35.2 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
9	F225W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F225W	CR-SPLIT=NO; FLASH=12.		Pattern 1, Exps 8-9 in Visit 09 (1)	6.3 Secs (12.6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
10	F225W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F225W	CR-SPLIT=NO; FLASH=12.			6.3 Secs (6.3 Secs) [==>]	[1]
11	F275W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F275W	CR-SPLIT=NO; FLASH=12.			6.0 Secs (6 Secs) [==>]	[1]
12	F336W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F336W	CR-SPLIT=NO; FLASH=12.0			4.0 Secs (4 Secs) [==>]	[1]
13	F438W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F438W	CR-SPLIT=NO; FLASH=12.			3.1 Secs (3.1 Secs) [==>]	[1]
14	F606W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F606W	CR-SPLIT=NO; FLASH=12.			1.3 Secs (1.3 Secs) [==>]	[1]
15	F218W-UVIS2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F218W	CR-SPLIT=NO; FLASH=12.			17.6 Secs (17.6 Secs) [==>]	[1]
16	F218W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F218W	CR-SPLIT=NO; FLASH=12.0		Pattern 1, Exps 16-17 in Visit 09 (1)	17.6 Secs (35.2 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
17	F225W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F225W	CR-SPLIT=NO; FLASH=12.0		Pattern 1, Exps 16-17 in Visit 09 (1)	6.3 Secs (12.6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]

Proposal 13088 - Visit 09 - WFC3 Contamination and Photometric Stability Monitor

18	F225W-UVI S2,noPF	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F225W	CR-SPLIT=NO; FLASH=12.0	6.3 Secs (6.3 Secs)	[1]
19	F275W-UVI S2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F275W	CR-SPLIT=NO; FLASH=12.0	6.0 Secs (6 Secs)	[1]
20	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]
21	F438W-UVI S2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	CR-SPLIT=NO; FLASH=12.0	3.1 Secs (3.1 Secs)	[1]
22	F814W-UVI S2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F814W	CR-SPLIT=NO; FLASH=12.0	6.2 Secs (6.2 Secs)	[1]
23	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	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>							
24	G280 image, chip2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS	G280	SIZEAXIS2=768; CENTERAXIS2=1026; AMP=D; FLASH=12.0	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 13088 - Visit 10 - WFC3 Contamination and Photometric Stability Monitor

Wed Aug 28 01:09:13 GMT 2013

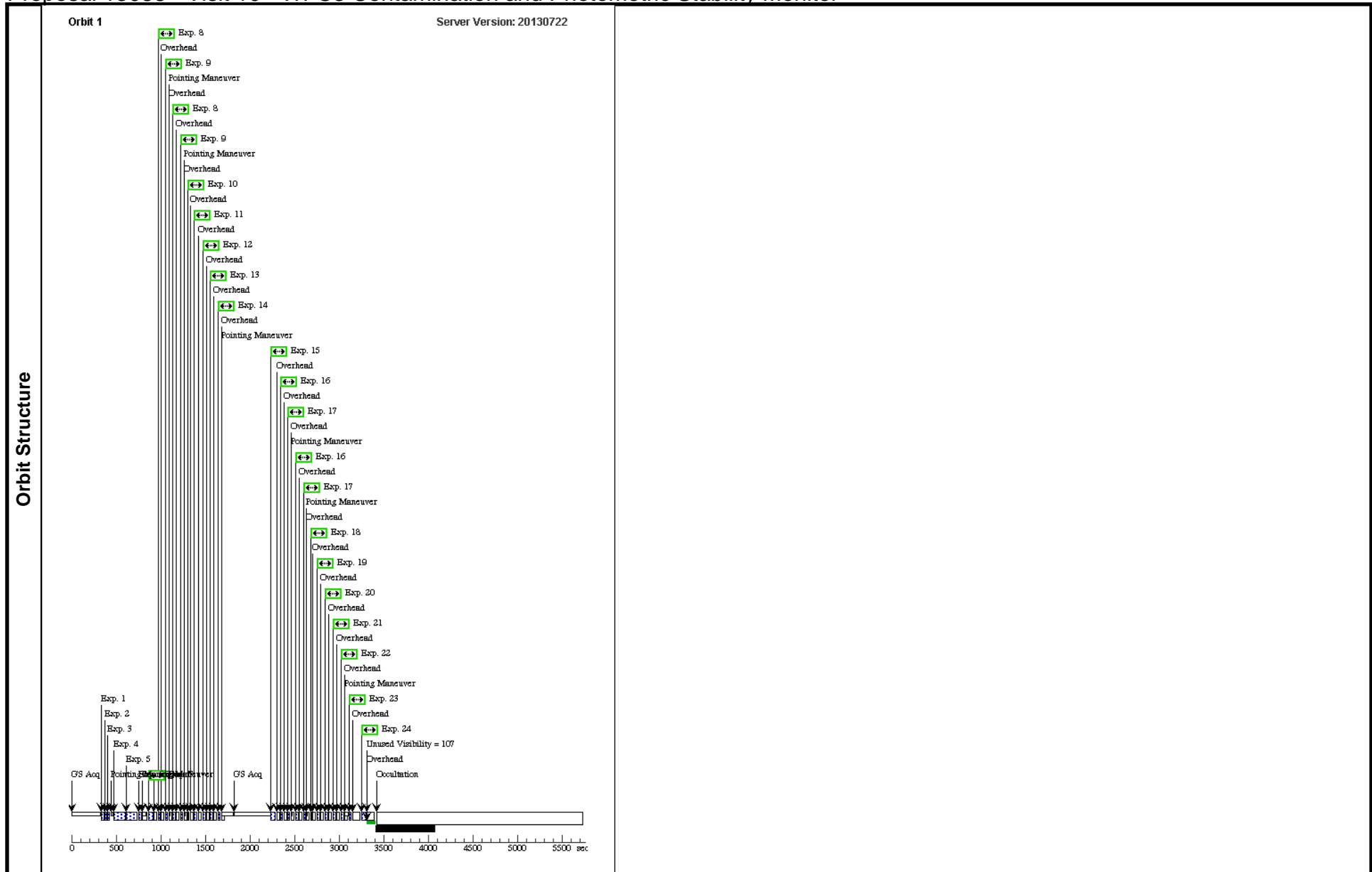
Visit	Proposal 13088, Visit 10, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: SCHED 50%; BETWEEN 30-SEP-2013:00:00:00 AND 06-OCT-2013:23:59:59 <i>Comments: single orbit covering UVIS1, UVIS2, IR, and grisms from both channels</i>					
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(1)	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		(8-9), (16-17)	
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 13088 - Visit 10 - WFC3 Contamination and Photometric Stability Monitor

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	F098M	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, IRSUB256	F098M	SAMP-SEQ=RAPID ; NSAMP=12	POS TARG 3.5,-2.6; GS ACQ SCENARIO BASE1B3		3.33378 Secs (3.334 Secs) [==>]	[1]
2	F125W	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, IRSUB256	F125W	SAMP-SEQ=RAPID ; NSAMP=12	POS TARG 3.5,-2.6		3.33378 Secs (3.334 Secs) [==>]	[1]
3	F160W	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, IRSUB512	F160W	SAMP-SEQ=RAPID ; NSAMP=8	POS TARG 3.5,-2.6		6.824216 Secs (6.824 Secs) [==>]	[1]
4	G141; full-frame	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, IR	G141	SAMP-SEQ=SPARS25; NSAMP=5			102.934351 Secs (102.934 Secs) [==>]	[1]
5	G102; full-frame	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, IR	G102	SAMP-SEQ=SPARS25; NSAMP=5			102.934351 Secs (102.934 Secs) [==>]	[1]
6	GRW IR; F127M grism direct image; full-frame	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, G102-REF	F127M	SAMP-SEQ=RAPID ; NSAMP=5			14.661455 Secs (14.661 Secs) [==>]	[1]
<i>Comments: Direct image for both grisms; aperture g102-ref is the same as g141-ref.</i>									
7	F218W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F218W	CR-SPLIT=NO; FLASH=12.			17.6 Secs (17.6 Secs) [==>]	[1]
8	F218W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F218W	CR-SPLIT=NO; FLASH=12.		Pattern 1, Exps 8-9 in Visit 10 (1)	17.6 Secs (35.2 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
9	F225W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F225W	CR-SPLIT=NO; FLASH=12.		Pattern 1, Exps 8-9 in Visit 10 (1)	6.3 Secs (12.6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
10	F225W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F225W	CR-SPLIT=NO; FLASH=12.			6.3 Secs (6.3 Secs) [==>]	[1]
11	F275W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F275W	CR-SPLIT=NO; FLASH=12.			6.0 Secs (6 Secs) [==>]	[1]
12	F336W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F336W	CR-SPLIT=NO; FLASH=12.0			4.0 Secs (4 Secs) [==>]	[1]
13	F438W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F438W	CR-SPLIT=NO; FLASH=12.			3.1 Secs (3.1 Secs) [==>]	[1]
14	F606W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F606W	CR-SPLIT=NO; FLASH=12.			1.3 Secs (1.3 Secs) [==>]	[1]
15	F218W-UVIS2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F218W	CR-SPLIT=NO; FLASH=12.			17.6 Secs (17.6 Secs) [==>]	[1]
16	F218W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F218W	CR-SPLIT=NO; FLASH=12.0		Pattern 1, Exps 16-17 in Visit 10 (1)	17.6 Secs (35.2 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
17	F225W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F225W	CR-SPLIT=NO; FLASH=12.0		Pattern 1, Exps 16-17 in Visit 10 (1)	6.3 Secs (12.6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]

Proposal 13088 - Visit 10 - WFC3 Contamination and Photometric Stability Monitor

18	F225W-UVI (1) GRW+70D5824 S2,noPF	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F225W	CR-SPLIT=NO; FLASH=12.0	6.3 Secs (6.3 Secs)	[1]
19	F275W-UVI (1) GRW+70D5824 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F275W	CR-SPLIT=NO; FLASH=12.0	6.0 Secs (6 Secs)	[1]
20	F336W-UVI (1) GRW+70D5824 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F336W	CR-SPLIT=NO; FLASH=12.0; BLADE=A	4.0 Secs (4 Secs)	[1]
21	F438W-UVI (1) GRW+70D5824 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	CR-SPLIT=NO; FLASH=12.0; BLADE=A	3.1 Secs (3.1 Secs)	[1]
22	F814W-UVI (1) GRW+70D5824 S2	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F814W	CR-SPLIT=NO; FLASH=12.0; BLADE=A	6.2 Secs (6.2 Secs)	[1]
23	G280 reference image (F300X) subarray on chip 2	(1) GRW+70D5824 WFC3/UVIS, ACCUM, UVIS	F300X	AMP=D; POS TARG 0.0,-50. SIZEAXIS2=768; CENTERAXIS2=1026; FLASH=12.0	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>						
24	G280 image, chip2	(1) GRW+70D5824 WFC3/UVIS, ACCUM, UVIS	G280	SIZEAXIS2=768; POS TARG 0.0,-50. CENTERAXIS2=1026; AMP=D; FLASH=12.0	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 13088 - Visit 11 - WFC3 Contamination and Photometric Stability Monitor

Wed Aug 28 01:09:15 GMT 2013

Visit	Proposal 13088, Visit 11, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: SCHED 50%; BETWEEN 04-NOV-2013:00:00:00 AND 10-NOV-2013:23:59:59 <i>Comments: single orbit covering UVIS1, UVIS2, IR, and grisms from both channels</i>					
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(1)	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		(8-9), (16-17)	
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 13088 - Visit 11 - WFC3 Contamination and Photometric Stability Monitor

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	F098M	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, IRSUB256	F098M	SAMP-SEQ=RAPID ; NSAMP=12	POS TARG 3.5,-2.6		3.33378 Secs (3.334 Secs) [==>]	[1]
2	F125W	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, IRSUB256	F125W	SAMP-SEQ=RAPID ; NSAMP=12	POS TARG 3.5,-2.6		3.33378 Secs (3.334 Secs) [==>]	[1]
3	F160W	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, IRSUB512	F160W	SAMP-SEQ=RAPID ; NSAMP=8	POS TARG 3.5,-2.6		6.824216 Secs (6.824 Secs) [==>]	[1]
4	G141; full-frame	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, IR	G141	SAMP-SEQ=SPARS 25; NSAMP=5			102.934351 Secs (102.934 Secs) [==>]	[1]
5	G102; full-frame	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, IR	G102	SAMP-SEQ=SPARS 25; NSAMP=5			102.934351 Secs (102.934 Secs) [==>]	[1]
6	GRW IR; F127M grism direct image; full-frame	(1) GRW+70D5824	WFC3/IR, MULTIACCUM, G102-REF	F127M	SAMP-SEQ=RAPID ; NSAMP=5			14.661455 Secs (14.661 Secs) [==>]	[1]
<i>Comments: Direct image for both grisms; aperture g102-ref is the same as g141-ref.</i>									
7	F218W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F218W	CR-SPLIT=NO; FLASH=12.			17.6 Secs (17.6 Secs) [==>]	[1]
8	F218W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F218W	CR-SPLIT=NO; FLASH=12.		Pattern 1, Exps 8-9 in Visit 11 (1)	17.6 Secs (35.2 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
9	F225W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F225W	CR-SPLIT=NO; FLASH=12.		Pattern 1, Exps 8-9 in Visit 11 (1)	6.3 Secs (12.6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
10	F225W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F225W	CR-SPLIT=NO; FLASH=12.			6.3 Secs (6.3 Secs) [==>]	[1]
11	F275W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F275W	CR-SPLIT=NO; FLASH=12.			6.0 Secs (6 Secs) [==>]	[1]
12	F336W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F336W	CR-SPLIT=NO; FLASH=12.0			4.0 Secs (4 Secs) [==>]	[1]
13	F438W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F438W	CR-SPLIT=NO; FLASH=12.			3.1 Secs (3.1 Secs) [==>]	[1]
14	F606W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS1-C512A-SUB	F606W	CR-SPLIT=NO; FLASH=12.			1.3 Secs (1.3 Secs) [==>]	[1]
15	F218W-UVIS2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F218W	CR-SPLIT=NO; FLASH=12.			17.6 Secs (17.6 Secs) [==>]	[1]
16	F218W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F218W	CR-SPLIT=NO; FLASH=12.0		Pattern 1, Exps 16-17 in Visit 11 (1)	17.6 Secs (35.2 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]
17	F225W-UVIS1	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F225W	CR-SPLIT=NO; FLASH=12.0		Pattern 1, Exps 16-17 in Visit 11 (1)	6.3 Secs (12.6 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[1]

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18	F225W-UVI S2,noPF	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F225W	CR-SPLIT=NO; FLASH=12.0	6.3 Secs (6.3 Secs)	[1]
19	F275W-UVI S2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F275W	CR-SPLIT=NO; FLASH=12.0	6.0 Secs (6 Secs)	[1]
20	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]
21	F438W-UVI S2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F438W	CR-SPLIT=NO; FLASH=12.0	3.1 Secs (3.1 Secs)	[1]
22	F814W-UVI S2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS2-C512C-SUB	F814W	CR-SPLIT=NO; FLASH=12.0	6.2 Secs (6.2 Secs)	[1]
23	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	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>							
24	G280 image, chip2	(1) GRW+70D5824	WFC3/UVIS, ACCUM, UVIS	G280	SIZEAXIS2=768; CENTERAXIS2=1026; AMP=D; FLASH=12.0	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>							

