



12699 - WFC3 Photometric Calibration & Calibration Flux Ladder

Cycle: 19, 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	(3) GD71	WFC3/IR WFC3/UVIS	1	21-May-2012 21:03:30.0	yes
02	(2) P330E	WFC3/IR WFC3/UVIS	1	21-May-2012 21:04:02.0	yes
03	(1) GD153	WFC3/IR WFC3/UVIS	1	21-May-2012 21:04:32.0	yes
04	(4) P177D	WFC3/IR WFC3/UVIS	1	21-May-2012 21:04:58.0	yes
05	(12) SNAP-2	WFC3/IR	1	21-May-2012 21:05:17.0	yes
07	(25) KF06T2	WFC3/IR	1	21-May-2012 21:05:28.0	yes
08	(46) WD1657	WFC3/IR WFC3/UVIS	2	21-May-2012 21:05:59.0	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>
09	(44) G191B2B	WFC3/IR	2	21-May-2012 21:06:25.0	yes
10	(7) 180227	WFC3/IR WFC3/UVIS	2	21-May-2012 21:07:15.0	yes
11	(16) LDS749B	WFC3/IR WFC3/UVIS	1	21-May-2012 21:07:49.0	yes
12	(49) HMT98-AS-36-4	WFC3/IR WFC3/UVIS	1	21-May-2012 21:08:06.0	yes
13	(48) 2MASS-J23122061+1046340	WFC3/IR WFC3/UVIS	2	21-May-2012 21:08:37.0	yes
99	(47) VB8	WFC3/IR WFC3/UVIS	1	21-May-2012 21:09:00.0	yes
B6	(2) P330E	WFC3/IR	1	21-May-2012 21:09:09.0	yes
B7	(50) PN-G045.4-02.7	WFC3/IR	1	21-May-2012 21:09:16.0	yes

19 Total Orbits Used

ABSTRACT

TBD

OBSERVING DESCRIPTION

The goal of this proposal is to build a calibration flux ladder for the WFC3 instrument, reducing the uncertainties in the absolute calibration as well as to cross-check the calibration of the spatial scan modes. Target stars span a range of brightness, and also a modest range in spectral type. Proposal 12334 obtained photometric data in key filters in both the UVIS and IR channels across a range of spectral types in the standard stare observing mode. Proposal 12336 (due to be scheduled in the fall of 2011) carries out a program to obtain spatial scanned spectra of three A-type stars. Vega, at $V=0$ mag, is observed in both of the IR grisms in the -1st order, the +1st order is saturated. High signal to noise scanned spectra of a fainter A-type star at $V\sim 5$ mag is acquired in both the -1st and +1st orders, and high SNR spectra of an A star at $V\sim 8$ mag is obtained in the +1st order. Scanned images in key filters are acquired for the faintest star.

This program builds on these, by extending the brightness range to fainter stars, e.g. $V\sim 16$. We continue to acquire data on the 4 primary standard

Proposal 12699 (STScI Edit Number: 0, Created: Monday, May 21, 2012 8:09:24 PM EST) - Overview

stars: GD153, GD71, P330E and P177E, to monitor photometric stability. Eight fainter secondary stars are observed in the same filters, and these are selected from the Bohlin master list. Primary and secondary stars have HST heritage, having been observed by STIS and NICMOS.

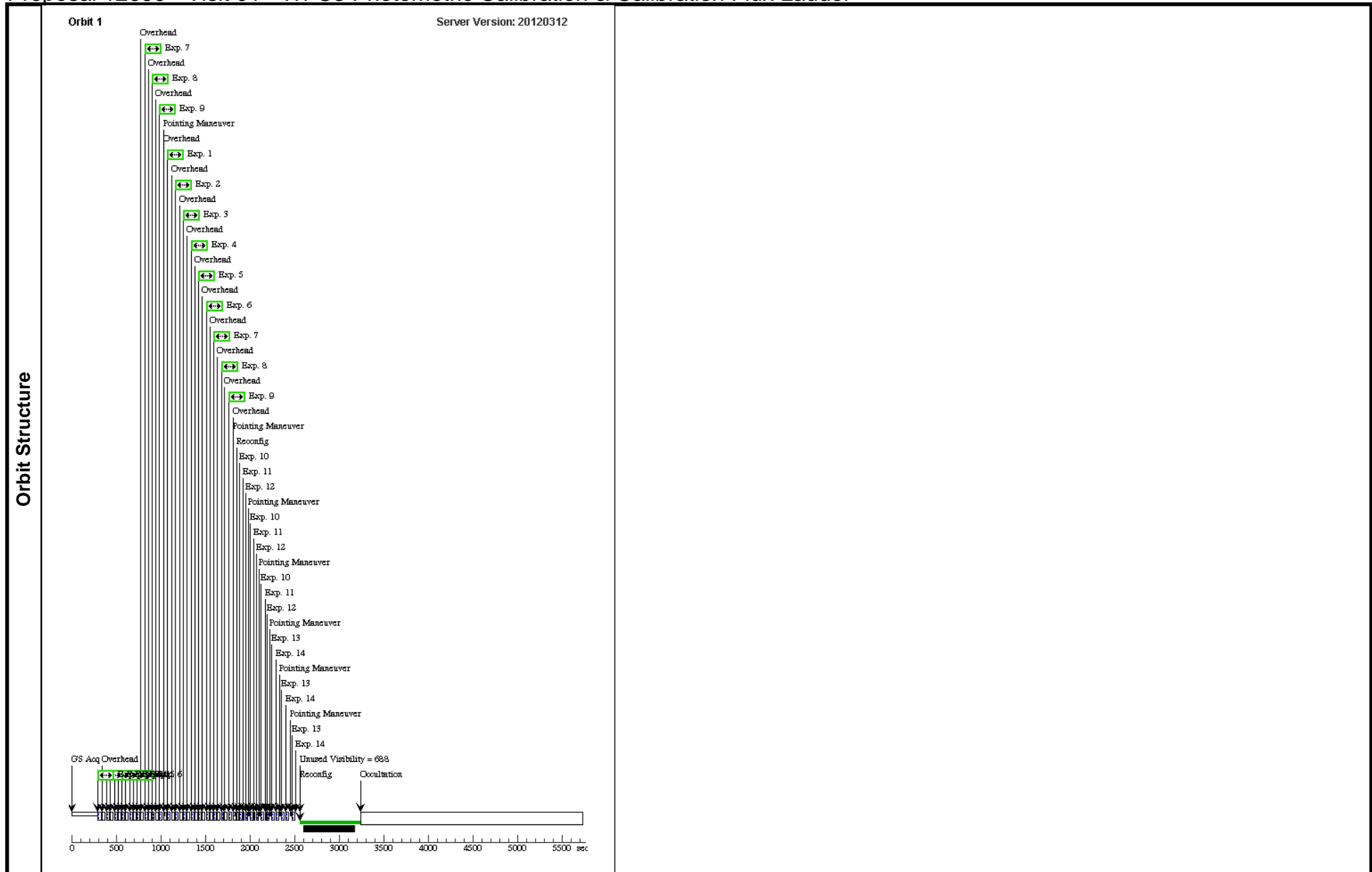
Proposal 12699 - Visit 01 - WFC3 Photometric Calibration & Calibration Flux Ladder

Tue May 22 01:09:25 GMT 2012

Visit	Proposal 12699, Visit 01 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none) <i>Comments: GD71 orbit designed to observe the entire wavelength range of the UVIS & IR detectors.</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		(1-9)		
(3)		Pattern Type=WFC3-IR-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(10-12), (13-14)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(3)	GD71	RA: 05 52 27.6100 (88.1150417d) Dec: +15 53 13.80 (15.88717d) Equinox: J2000	Proper Motion RA: 85 mas/yr Proper Motion Dec: -174 mas/yr Epoch of Position: 2000	V=13.06	Reference Frame: ICRS
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. This object was generated by the targetselector and retrieved from the SIMBAD database.</i>						

Proposal 12699 - Visit 01 - WFC3 Photometric Calibration & Calibration Flux Ladder

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
Exposures	1	GD71	(3) GD71	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F225W	CR-SPLIT=NO	GS ACQ SCENARI O BASE1B3	Pattern 2, Exps 1-9 i n Visit 01 (2)	5.5 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		(3) GD71	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F275W	CR-SPLIT=NO		Pattern 2, Exps 1-9 i n Visit 01 (2)	5.8 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(3) GD71	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F336W	CR-SPLIT=NO		Pattern 2, Exps 1-9 i n Visit 01 (2)	4.2 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		(3) GD71	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F390W	CR-SPLIT=NO		Pattern 2, Exps 1-9 i n Visit 01 (2)	2.6 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5		(3) GD71	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F438W	CR-SPLIT=NO		Pattern 2, Exps 1-9 i n Visit 01 (2)	4.5 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6		(3) GD71	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F475W	CR-SPLIT=NO		Pattern 2, Exps 1-9 i n Visit 01 (2)	2.2 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7		(3) GD71	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F555W	CR-SPLIT=NO		Pattern 2, Exps 1-9 i n Visit 01 (2)	2.4 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8		(3) GD71	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F606W	CR-SPLIT=NO		Pattern 2, Exps 1-9 i n Visit 01 (2)	2.2 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9		(3) GD71	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F814W	CR-SPLIT=NO		Pattern 2, Exps 1-9 i n Visit 01 (2)	11.3 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10		(3) GD71	WFC3/IR, MULTIACCUM, IRSUB256	F098M	SAMP-SEQ=RAPID ; NSAMP=15		Pattern 3, Exps 10-1 2 in Visit 01 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	11		(3) GD71	WFC3/IR, MULTIACCUM, IRSUB256	F110W	SAMP-SEQ=RAPID ; NSAMP=8		Pattern 3, Exps 10-1 2 in Visit 01 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	12		(3) GD71	WFC3/IR, MULTIACCUM, IRSUB256	F125W	SAMP-SEQ=RAPID ; NSAMP=15		Pattern 3, Exps 10-1 2 in Visit 01 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	13		(3) GD71	WFC3/IR, MULTIACCUM, IRSUB512	F140W	SAMP-SEQ=RAPID ; NSAMP=6		Pattern 3, Exps 13-1 4 in Visit 01 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	14		(3) GD71	WFC3/IR, MULTIACCUM, IRSUB512	F160W	SAMP-SEQ=RAPID ; NSAMP=12		Pattern 3, Exps 13-1 4 in Visit 01 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]



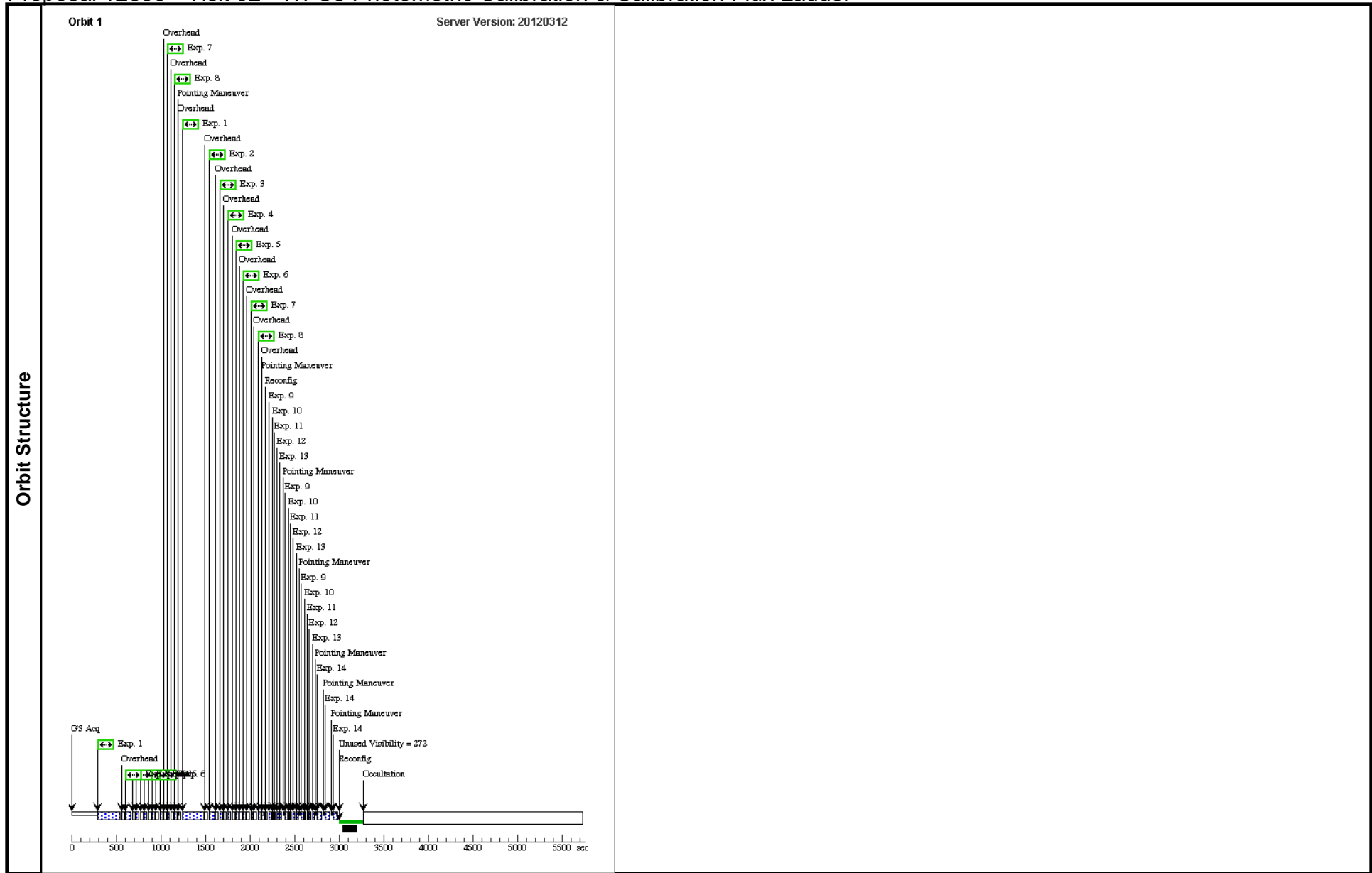
Proposal 12699 - Visit 02 - WFC3 Photometric Calibration & Calibration Flux Ladder

Tue May 22 01:09:28 GMT 2012

Visit	Proposal 12699, Visit 02 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none) <i>Comments: P330E orbit designed to observe the entire wavelength range of the UVIS & IR detectors.</i>					
	#	Primary Pattern	Secondary Pattern	Exposures		
Patterns	(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		(1-8)		
	(3)	Pattern Type=WFC3-IR-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(9-13), (14)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(2)	P330E	RA: 16 31 33.8200 (247.8909167d)	Proper Motion RA: -0.0005 sec of time/yr	V=12.917	Reference Frame: ICRS
		Alt Name1: GSC02581-02323	Dec: +30 08 46.50 (30.14625d) Equinox: J2000	Proper Motion Dec: -0.036 arcsec/yr Epoch of Position: 2000	U=13.576, B=12.972, R=12.564, I=12.212, J=11.769, H=11.454, K=11.379	

Proposal 12699 - Visit 02 - WFC3 Photometric Calibration & Calibration Flux Ladder

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
Exposures	1	P330E	(2) P330E	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F275W	CR-SPLIT=NO	Pattern 2, Exps 1-8 in Visit 02 (2)	220 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]	
	2		(2) P330E	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F336W	CR-SPLIT=NO	Pattern 2, Exps 1-8 in Visit 02 (2)	40 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]	
	3		(2) P330E	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F390W	CR-SPLIT=NO	Pattern 2, Exps 1-8 in Visit 02 (2)	9.5 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]	
	4		(2) P330E	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F438W	CR-SPLIT=NO	Pattern 2, Exps 1-8 in Visit 02 (2)	10 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]	
	5		(2) P330E	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F475W	CR-SPLIT=NO	Pattern 2, Exps 1-8 in Visit 02 (2)	3.5 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]	
	6		(2) P330E	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F555W	CR-SPLIT=NO	Pattern 2, Exps 1-8 in Visit 02 (2)	2.6 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]	
	7		(2) P330E	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F606W	CR-SPLIT=NO	Pattern 2, Exps 1-8 in Visit 02 (2)	1.8 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]	
	8		(2) P330E	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F814W	CR-SPLIT=NO	Pattern 2, Exps 1-8 in Visit 02 (2)	4.3 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]	
	9		(2) P330E	WFC3/IR, MULTIACCUM, IRSUB128	F098M	SAMP-SEQ=RAPID ; NSAMP=10	POS TARG -0.27,-1.4 ; GS ACQ SCENARIO BASE1B3	Pattern 3, Exps 9-13 in Visit 02 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	10		(2) P330E	WFC3/IR, MULTIACCUM, IRSUB128	F110W	SAMP-SEQ=RAPID ; NSAMP=4	POS TARG -0.27,-1.4	Pattern 3, Exps 9-13 in Visit 02 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	11		(2) P330E	WFC3/IR, MULTIACCUM, IRSUB128	F125W	SAMP-SEQ=RAPID ; NSAMP=7	POS TARG -0.27,-1.4	Pattern 3, Exps 9-13 in Visit 02 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	12		(2) P330E	WFC3/IR, MULTIACCUM, IRSUB128	F140W	SAMP-SEQ=RAPID ; NSAMP=6	POS TARG -0.27,-1.4	Pattern 3, Exps 9-13 in Visit 02 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	13		(2) P330E	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=11	POS TARG -0.27,-1.4	Pattern 3, Exps 9-13 in Visit 02 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	14		(2) P330E	WFC3/IR, MULTIACCUM, IRSUB128	F167N	SAMP-SEQ=SPARS ; NSAMP=5	POS TARG -0.27,-1.4	Pattern 3, Exps 14-14 in Visit 02 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]



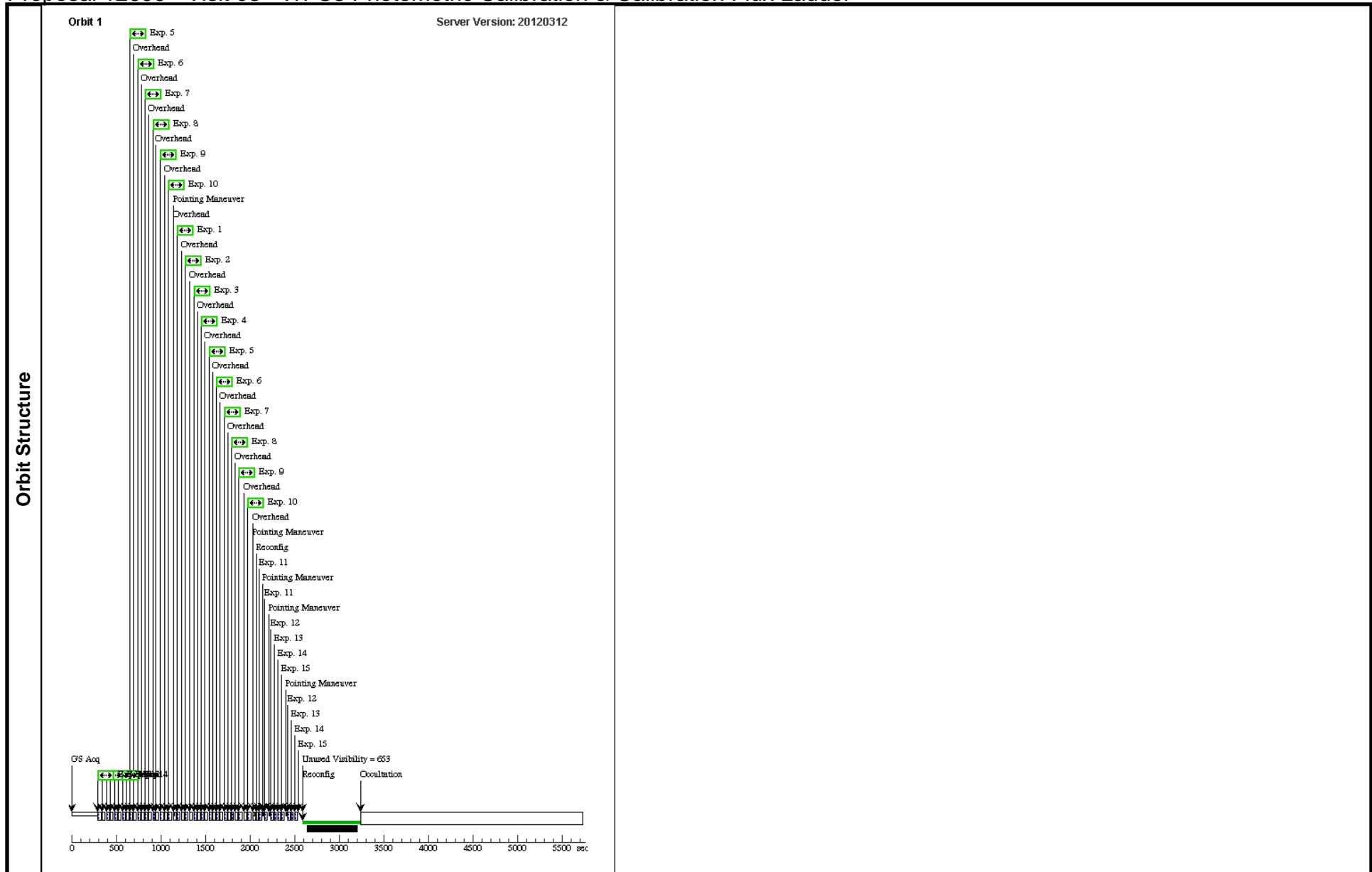
Proposal 12699 - Visit 03 - WFC3 Photometric Calibration & Calibration Flux Ladder

Tue May 22 01:09:29 GMT 2012

Visit	Proposal 12699, Visit 03 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none) <i>Comments: GD153 orbit designed to observe the entire wavelength range of the UVIS & IR detectors.</i>					
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
(1)		Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(11), (12-15)		
(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		(1-10)			
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	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 12699 - Visit 03 - WFC3 Photometric Calibration & Calibration Flux Ladder

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	GD153	(1) GD153	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F225W	CR-SPLIT=NO	GS ACQ SCENARI O BASE1B3	Pattern 2, Exps 1-10 in Visit 03 (2)	6.5 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2		(1) GD153	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F275W	CR-SPLIT=NO		Pattern 2, Exps 1-10 in Visit 03 (2)	7 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(1) GD153	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F336W	CR-SPLIT=NO		Pattern 2, Exps 1-10 in Visit 03 (2)	5.5 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		(1) GD153	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F390W	CR-SPLIT=NO		Pattern 2, Exps 1-10 in Visit 03 (2)	3.3 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5		(1) GD153	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F438W	CR-SPLIT=NO		Pattern 2, Exps 1-10 in Visit 03 (2)	6.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6		(1) GD153	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F475W	CR-SPLIT=NO		Pattern 2, Exps 1-10 in Visit 03 (2)	3.0 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7		(1) GD153	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F555W	CR-SPLIT=NO		Pattern 2, Exps 1-10 in Visit 03 (2)	3.1 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8		(1) GD153	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F606W	CR-SPLIT=NO		Pattern 2, Exps 1-10 in Visit 03 (2)	2.2 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9		(1) GD153	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F814W	CR-SPLIT=NO		Pattern 2, Exps 1-10 in Visit 03 (2)	15 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10		(1) GD153	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F850LP	CR-SPLIT=NO		Pattern 2, Exps 1-10 in Visit 03 (2)	25 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11		(1) GD153	WFC3/IR, MULTIACCUM, IRSUB256	F110W	SAMP-SEQ=RAPID ; NSAMP=11		Pattern 1, Exps 11-1 1 in Visit 03 (1)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	12		(1) GD153	WFC3/IR, MULTIACCUM, IRSUB512	F098M	SAMP-SEQ=RAPID ; NSAMP=7		Pattern 1, Exps 12-1 5 in Visit 03 (1)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	13		(1) GD153	WFC3/IR, MULTIACCUM, IRSUB512	F125W	SAMP-SEQ=RAPID ; NSAMP=7		Pattern 1, Exps 12-1 5 in Visit 03 (1)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	14		(1) GD153	WFC3/IR, MULTIACCUM, IRSUB512	F140W	SAMP-SEQ=RAPID ; NSAMP=8		Pattern 1, Exps 12-1 5 in Visit 03 (1)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
15		(1) GD153	WFC3/IR, MULTIACCUM, IRSUB512	F160W	SAMP-SEQ=RAPID ; NSAMP=15		Pattern 1, Exps 12-1 5 in Visit 03 (1)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]	



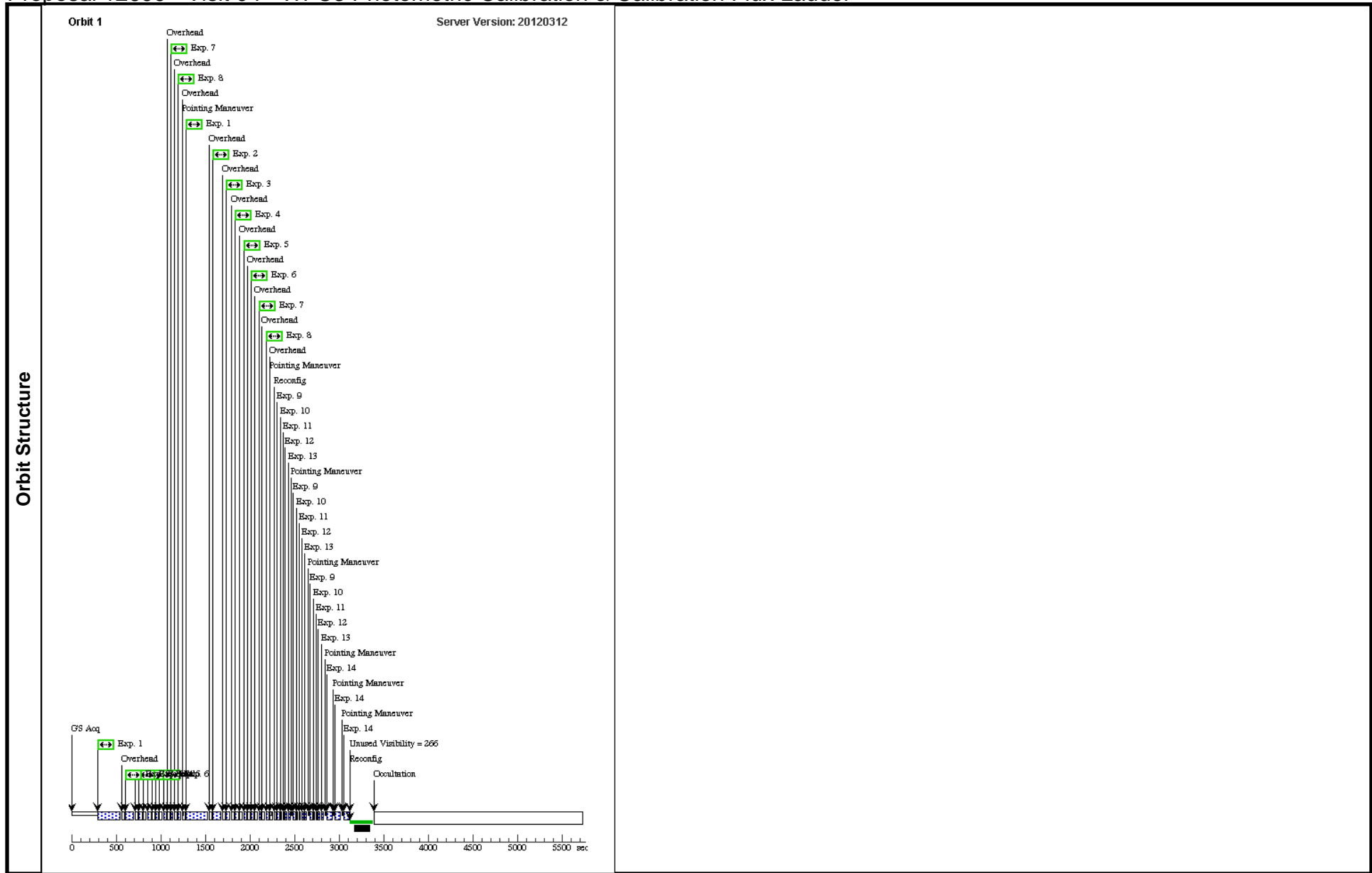
Proposal 12699 - Visit 04 - WFC3 Photometric Calibration & Calibration Flux Ladder

Tue May 22 01:09:30 GMT 2012

Visit	Proposal 12699, Visit 04 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none) <i>Comments: P177D orbit designed to observe the entire wavelength range of the UVIS & IR detectors.</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		(1-8)		
	(3)	Pattern Type=WFC3-IR-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(9-13), (14)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(4)	P177D	RA: 15 59 13.5700 (239.8065417d)	Proper Motion RA: -0.0004 sec of time/yr	V=13.356	Reference Frame: ICRS
		Alt Name1: GSC-03493-00432	Dec: +47 36 41.90 (47.61164d) Equinox: J2000	Proper Motion Dec: -0.0042 arcsec/yr Epoch of Position: 2000		
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>					

Proposal 12699 - Visit 04 - WFC3 Photometric Calibration & Calibration Flux Ladder

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
Exposures	1	P177D	(4) P177D	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F275W	CR-SPLIT=NO	Pattern 2, Exps 1-8 in Visit 04 (2)	220 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]	
	2		(4) P177D	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F336W	CR-SPLIT=NO	Pattern 2, Exps 1-8 in Visit 04 (2)	70 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]	
	3		(4) P177D	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F390W	CR-SPLIT=NO	Pattern 2, Exps 1-8 in Visit 04 (2)	15 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]	
	4		(4) P177D	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F438W	CR-SPLIT=NO	Pattern 2, Exps 1-8 in Visit 04 (2)	15 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]	
	5		(4) P177D	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F475W	CR-SPLIT=NO	Pattern 2, Exps 1-8 in Visit 04 (2)	5.4 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]	
	6		(4) P177D	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F555W	CR-SPLIT=NO	Pattern 2, Exps 1-8 in Visit 04 (2)	4 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]	
	7		(4) P177D	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F606W	CR-SPLIT=NO	Pattern 2, Exps 1-8 in Visit 04 (2)	2.7 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]	
	8		(4) P177D	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F814W	CR-SPLIT=NO	Pattern 2, Exps 1-8 in Visit 04 (2)	6.5 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]	
	9		(4) P177D	WFC3/IR, MULTIACCUM, IRSUB128	F098M	SAMP-SEQ=RAPID ; NSAMP=15	POS TARG -0.27,-1.4 ; GS ACQ SCENARIO BASE1B3	Pattern 3, Exps 9-13 in Visit 04 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	10		(4) P177D	WFC3/IR, MULTIACCUM, IRSUB128	F110W	SAMP-SEQ=RAPID ; NSAMP=6	POS TARG -0.27,-1.4	Pattern 3, Exps 9-13 in Visit 04 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	11		(4) P177D	WFC3/IR, MULTIACCUM, IRSUB128	F125W	SAMP-SEQ=RAPID ; NSAMP=11	POS TARG -0.27,-1.4	Pattern 3, Exps 9-13 in Visit 04 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	12		(4) P177D	WFC3/IR, MULTIACCUM, IRSUB128	F140W	SAMP-SEQ=RAPID ; NSAMP=10	POS TARG -0.27,-1.4	Pattern 3, Exps 9-13 in Visit 04 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	13		(4) P177D	WFC3/IR, MULTIACCUM, IRSUB128	F160W	SAMP-SEQ=RAPID ; NSAMP=15	POS TARG -0.27,-1.4	Pattern 3, Exps 9-13 in Visit 04 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	14		(4) P177D	WFC3/IR, MULTIACCUM, IRSUB128	F167N	SAMP-SEQ=SPARS ; NSAMP=6	POS TARG -0.27,-1.4	Pattern 3, Exps 14-14 in Visit 04 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]



Proposal 12699 - Visit 05 - WFC3 Photometric Calibration & Calibration Flux Ladder

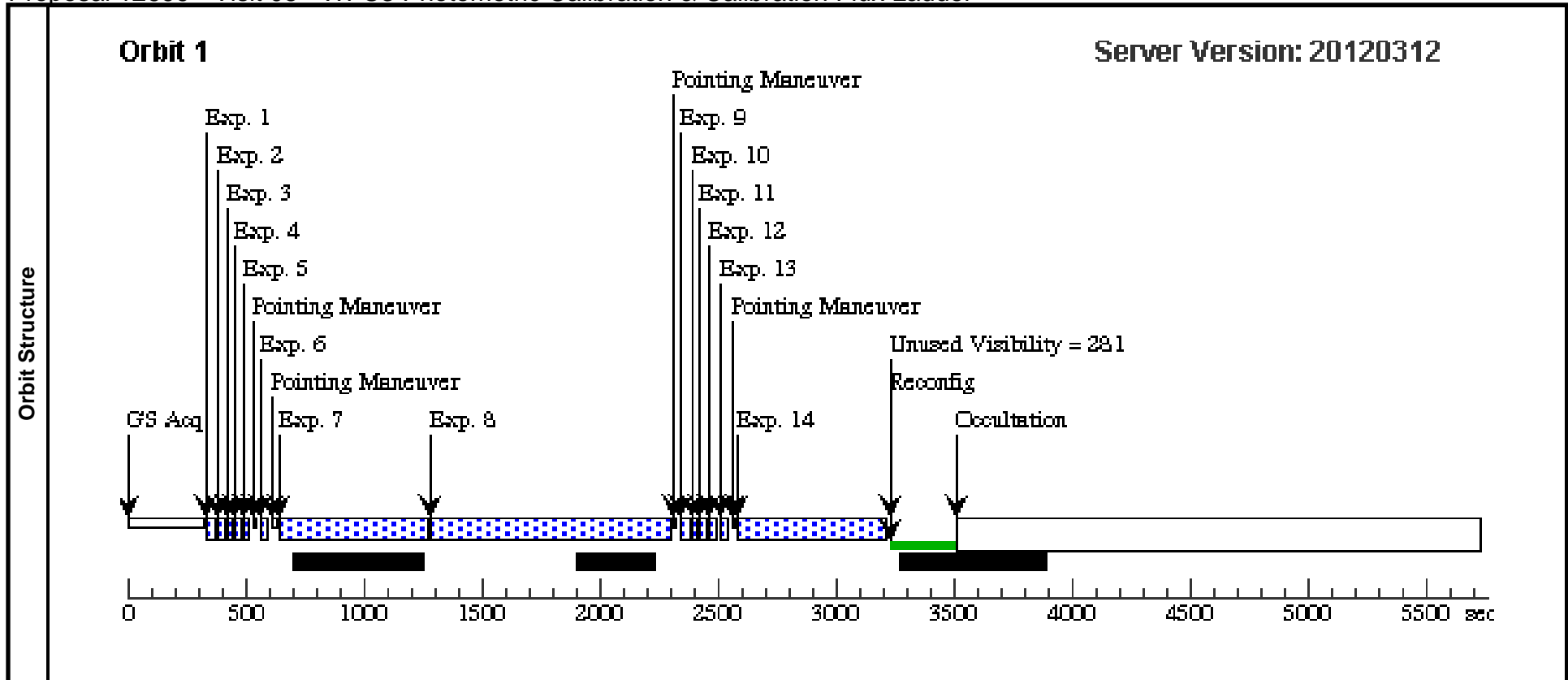
Tue May 22 01:09:32 GMT 2012

Visit	Proposal 12699, Visit 05 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none) <i>Comments: SNAP-2, faint star</i>																						
	Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(12)</td> <td>SNAP-2</td> <td>RA: 16 19 46.1110 (244.9421292d)</td> <td></td> <td>V=16.23</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td></td> <td>Alt Name1: 2MASS-J16194609+5534178</td> <td>Dec: +55 34 17.82 (55.57162d)</td> <td>Equinox: J2000</td> <td></td> <td></td> </tr> </tbody> </table> <i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(12)	SNAP-2	RA: 16 19 46.1110 (244.9421292d)		V=16.23	Reference Frame: ICRS		Alt Name1: 2MASS-J16194609+5534178	Dec: +55 34 17.82 (55.57162d)	Equinox: J2000					
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																		
(12)	SNAP-2	RA: 16 19 46.1110 (244.9421292d)		V=16.23	Reference Frame: ICRS																		
	Alt Name1: 2MASS-J16194609+5534178	Dec: +55 34 17.82 (55.57162d)	Equinox: J2000																				

Proposal 12699 - Visit 05 - WFC3 Photometric Calibration & Calibration Flux Ladder

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	SNAP-2	(12) SNAP-2	WFC3/IR, MULTIACCUM, IRSUB512	F140W	SAMP-SEQ=RAPID ; NSAMP=15			[==>]	[1]
2	SNAP-2	(12) SNAP-2	WFC3/IR, MULTIACCUM, IRSUB512	F098M	SAMP-SEQ=RAPID ; NSAMP=15			[==>]	[1]
3	SNAP-2	(12) SNAP-2	WFC3/IR, MULTIACCUM, IRSUB512	F110W	SAMP-SEQ=RAPID ; NSAMP=6			[==>]	[1]
4	SNAP-2	(12) SNAP-2	WFC3/IR, MULTIACCUM, IRSUB512	F125W	SAMP-SEQ=RAPID ; NSAMP=15			[==>]	[1]
5	SNAP-2	(12) SNAP-2	WFC3/IR, MULTIACCUM, IRSUB512	F160W	SAMP-SEQ=RAPID ; NSAMP=15			[==>]	[1]
6		(12) SNAP-2	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=RAPID ; NSAMP=2			[==>]	[1]
7	SNAP-2 G1 41	(12) SNAP-2	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=STEP2 00; NSAMP=10			[==>]	[1]
8	SNAP-2 G1 02	(12) SNAP-2	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=STEP2 00; NSAMP=12			[==>]	[1]
9	SNAP-2	(12) SNAP-2	WFC3/IR, MULTIACCUM, IRSUB512	F098M	SAMP-SEQ=RAPID ; NSAMP=15			[==>]	[1]
10	SNAP-2	(12) SNAP-2	WFC3/IR, MULTIACCUM, IRSUB512	F110W	SAMP-SEQ=RAPID ; NSAMP=6			[==>]	[1]
11	SNAP-2	(12) SNAP-2	WFC3/IR, MULTIACCUM, IRSUB512	F125W	SAMP-SEQ=RAPID ; NSAMP=15			[==>]	[1]
12	SNAP-2	(12) SNAP-2	WFC3/IR, MULTIACCUM, IRSUB512	F140W	SAMP-SEQ=RAPID ; NSAMP=15			[==>]	[1]
13	SNAP-2	(12) SNAP-2	WFC3/IR, MULTIACCUM, IRSUB512	F160W	SAMP-SEQ=RAPID ; NSAMP=15			[==>]	[1]
14	SNAP-2 G1 41	(12) SNAP-2	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=STEP2 00; NSAMP=10			[==>]	[1]

Exposures



Proposal 12699 - Visit 07 - WFC3 Photometric Calibration & Calibration Flux Ladder

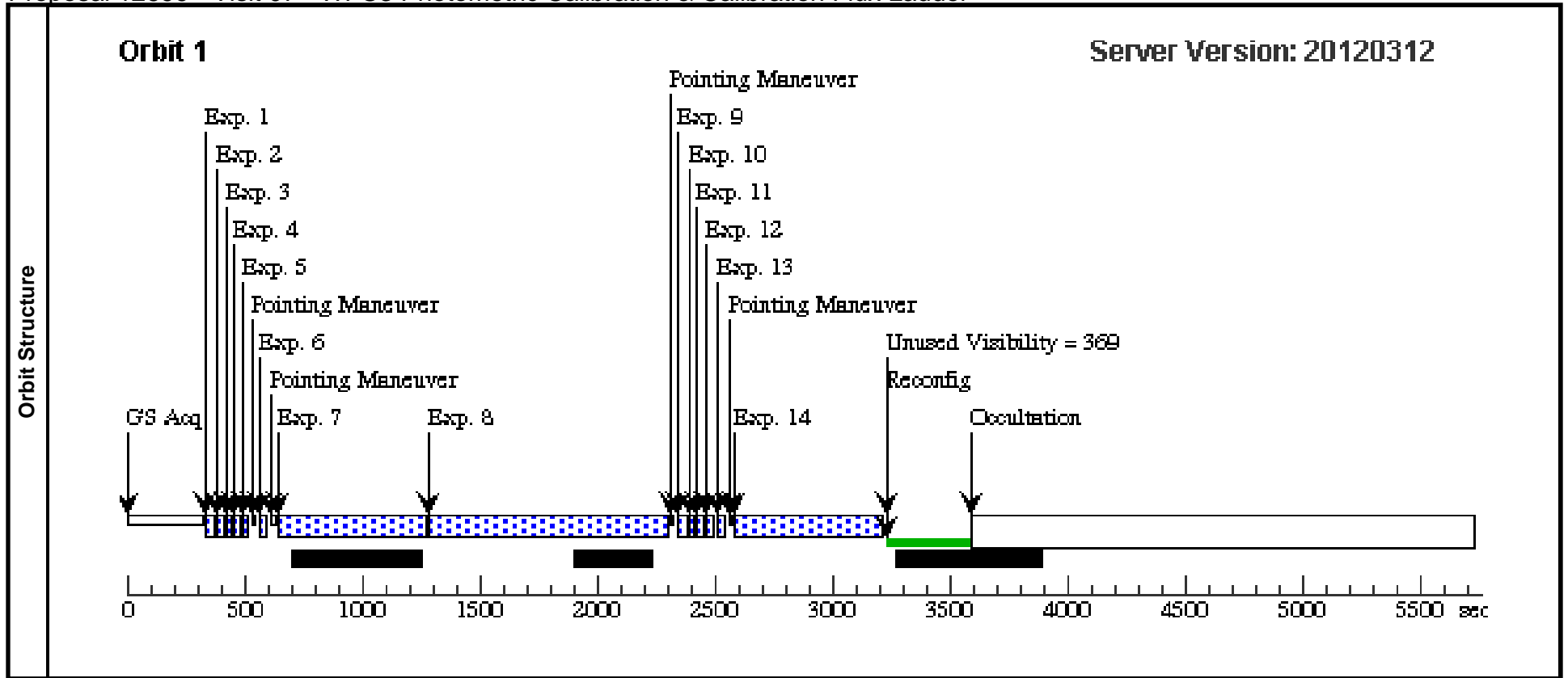
Tue May 22 01:09:32 GMT 2012

Visit	Proposal 12699, Visit 07 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none) <i>Comments: KF06T2, faint late type star.</i>				
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections
(25)		KF06T2 Alt Name1: 2MASS- J17583798+6646522	RA: 17 58 37.9900 (269.6582917d) Dec: +66 46 52.20 (66.78117d) Equinox: J2000		V=14.2
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>					

Proposal 12699 - Visit 07 - WFC3 Photometric Calibration & Calibration Flux Ladder

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1	KF06T2	(25) KF06T2	WFC3/IR, MULTIACCUM, IRSUB512	F140W	SAMP-SEQ=RAPID ; NSAMP=15			[==>]	[1]
2	KF06T2	(25) KF06T2	WFC3/IR, MULTIACCUM, IRSUB512	F098M	SAMP-SEQ=RAPID ; NSAMP=15			[==>]	[1]
3	KF06T2	(25) KF06T2	WFC3/IR, MULTIACCUM, IRSUB512	F110W	SAMP-SEQ=RAPID ; NSAMP=6			[==>]	[1]
4	KF06T2	(25) KF06T2	WFC3/IR, MULTIACCUM, IRSUB512	F125W	SAMP-SEQ=RAPID ; NSAMP=15			[==>]	[1]
5	KF06T2	(25) KF06T2	WFC3/IR, MULTIACCUM, IRSUB512	F160W	SAMP-SEQ=RAPID ; NSAMP=15			[==>]	[1]
6	KF06T2	(25) KF06T2	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=RAPID ; NSAMP=2			[==>]	[1]
7	KF06T2 G1 41	(25) KF06T2	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=STEP2 00; NSAMP=10			[==>]	[1]
8	KF06T2 G1 02	(25) KF06T2	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=STEP2 00; NSAMP=12			[==>]	[1]
9	KF06T2	(25) KF06T2	WFC3/IR, MULTIACCUM, IRSUB512	F098M	SAMP-SEQ=RAPID ; NSAMP=15			[==>]	[1]
10	KF06T2	(25) KF06T2	WFC3/IR, MULTIACCUM, IRSUB512	F110W	SAMP-SEQ=RAPID ; NSAMP=6			[==>]	[1]
11	KF06T2	(25) KF06T2	WFC3/IR, MULTIACCUM, IRSUB512	F125W	SAMP-SEQ=RAPID ; NSAMP=15			[==>]	[1]
12	KF06T2	(25) KF06T2	WFC3/IR, MULTIACCUM, IRSUB512	F140W	SAMP-SEQ=RAPID ; NSAMP=15			[==>]	[1]
13	KF06T2	(25) KF06T2	WFC3/IR, MULTIACCUM, IRSUB512	F160W	SAMP-SEQ=RAPID ; NSAMP=15			[==>]	[1]
14	KF06T2 G1 41	(25) KF06T2	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=STEP2 00; NSAMP=10			[==>]	[1]

Exposures



Proposal 12699 - Visit 08 - WFC3 Photometric Calibration & Calibration Flux Ladder

Tue May 22 01:09:33 GMT 2012

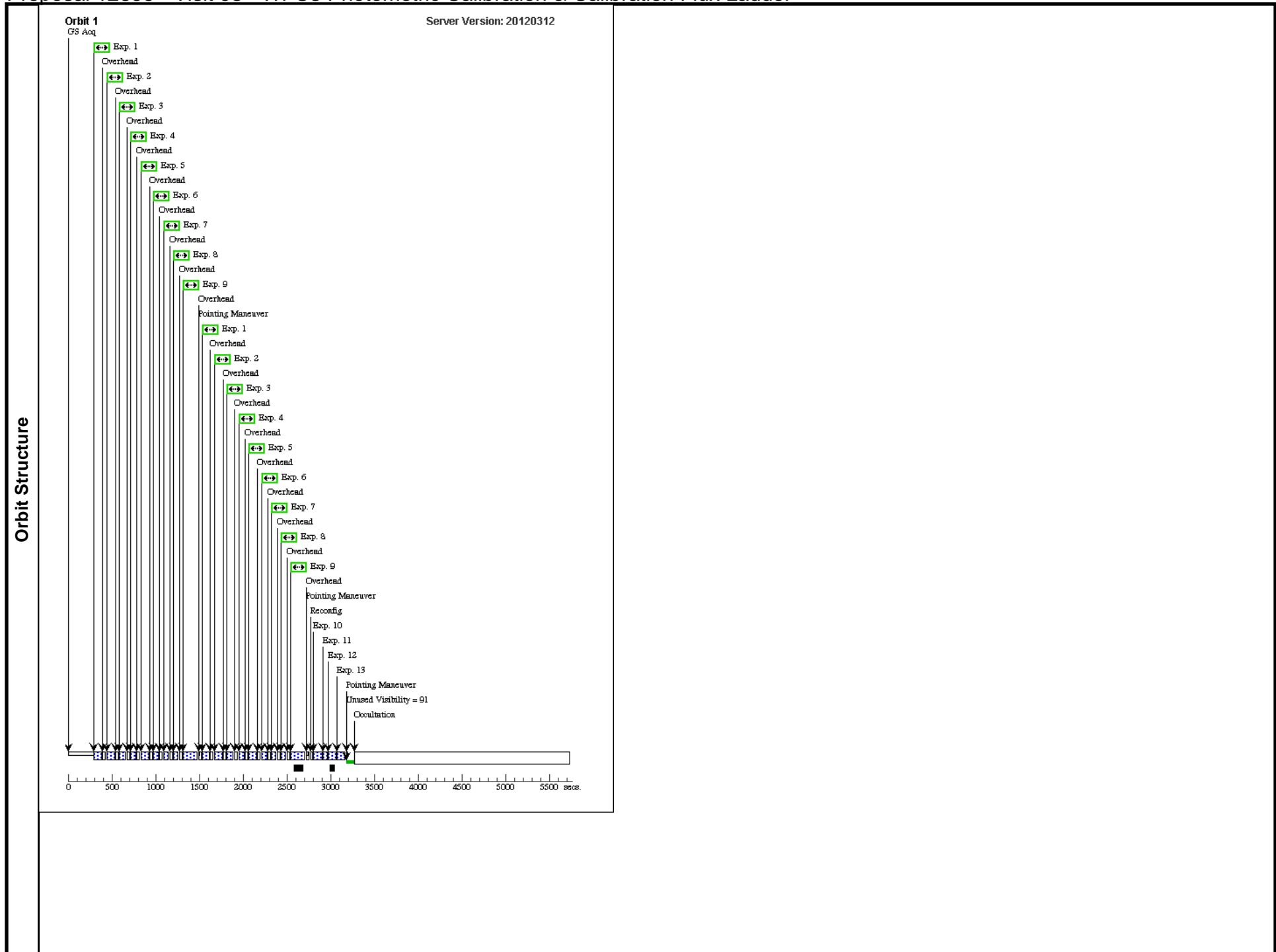
Visit	Proposal 12699, Visit 08 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)					
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
(2)		Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-9)	
(3)		Pattern Type=WFC3-IR-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(10-13), (14)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(46)	WD1657 Alt Name1: WD1657+343	RA: 16 58 51.1200 (254.7130000d) Dec: +34 18 53.30 (34.31481d) Equinox: J2000	Proper Motion RA: 12 mas/yr Proper Motion Dec: -32 mas/yr Epoch of Position: 2000	V=16.15	Reference Frame: ICRS
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>						

Proposal 12699 - Visit 08 - WFC3 Photometric Calibration & Calibration Flux Ladder

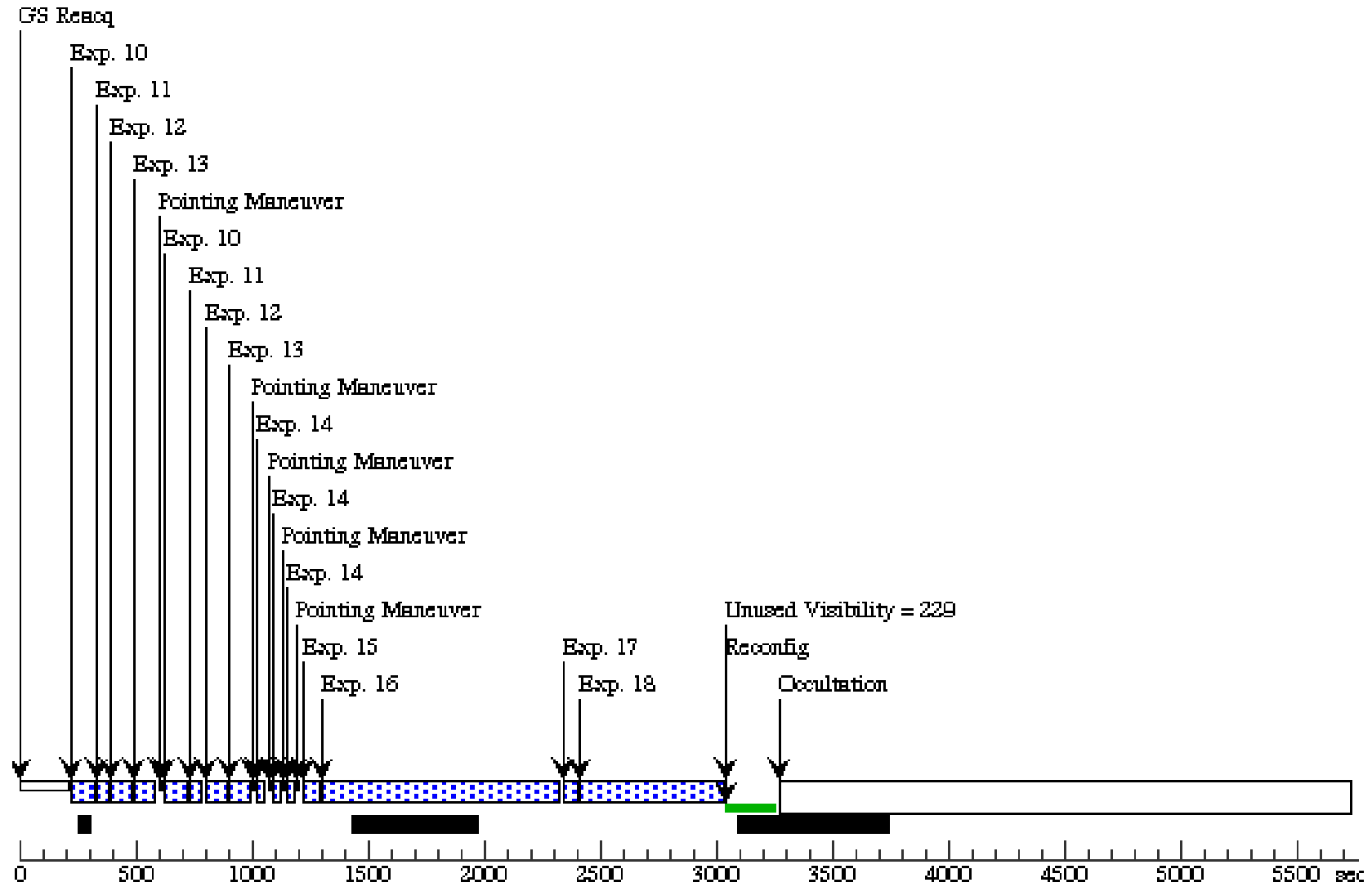
#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
Exposures	1	wd1657-uvis	(46) WD1657	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F225W		Pattern 2, Exps 1-9 in Visit 08 (2)	55 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	wd1657	(46) WD1657	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F275W	CR-SPLIT=NO	Pattern 2, Exps 1-9 in Visit 08 (2)	60 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3		(46) WD1657	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F336W	CR-SPLIT=NO	Pattern 2, Exps 1-9 in Visit 08 (2)	52 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4		(46) WD1657	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F390W	CR-SPLIT=NO	Pattern 2, Exps 1-9 in Visit 08 (2)	35 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5		(46) WD1657	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F438W	CR-SPLIT=NO	Pattern 2, Exps 1-9 in Visit 08 (2)	63 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6		(46) WD1657	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F475W	CR-SPLIT=NO	Pattern 2, Exps 1-9 in Visit 08 (2)	35 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7		(46) WD1657	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F555W	CR-SPLIT=NO	Pattern 2, Exps 1-9 in Visit 08 (2)	32 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8		(46) WD1657	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F606W	CR-SPLIT=NO	Pattern 2, Exps 1-9 in Visit 08 (2)	32 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9		(46) WD1657	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F814W	CR-SPLIT=NO	Pattern 2, Exps 1-9 in Visit 08 (2)	140 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10		(46) WD1657	WFC3/IR, MULTIACCUM, IRSUB256	F098M	SAMP-SEQ=SPARS 10; NSAMP=11	Pattern 3, Exps 10-13 in Visit 08 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1] [2]
	11		(46) WD1657	WFC3/IR, MULTIACCUM, IRSUB256	F110W	SAMP-SEQ=SPARS 10; NSAMP=6	Pattern 3, Exps 10-13 in Visit 08 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1] [2]
	12		(46) WD1657	WFC3/IR, MULTIACCUM, IRSUB256	F125W	SAMP-SEQ=SPARS 10; NSAMP=11	Pattern 3, Exps 10-13 in Visit 08 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1] [2]
	13		(46) WD1657	WFC3/IR, MULTIACCUM, IRSUB256	F140W	SAMP-SEQ=SPARS 10; NSAMP=11	Pattern 3, Exps 10-13 in Visit 08 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1] [2]
	14		(46) WD1657	WFC3/IR, MULTIACCUM, IRSUB256	F160W	SAMP-SEQ=RAPID ; NSAMP=12	Pattern 3, Exps 14-14 in Visit 08 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[2]

Proposal 12699 - Visit 08 - WFC3 Photometric Calibration & Calibration Flux Ladder

15	g141-ref in f (46) WD1657 098m	WFC3/IR, MULTIACCUM, G141-REF	F098M	NSAMP=15; SAMP-SEQ=RAPID	[==>]	[2]
16	G141 WD16 (46) WD1657 57	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=SPARS 100; NSAMP=11	[==>]	[2]
17	G102 Ref (46) WD1657	WFC3/IR, MULTIACCUM, G102-REF	F098M	SAMP-SEQ=RAPID ; NSAMP=15	[==>]	[2]
18	G102 WD 1 (46) WD1657 657	WFC3/IR, MULTIACCUM, GRISM1024	G102	NSAMP=7; SAMP-SEQ=SPAR S100	[==>]	[2]



Orbit 2



Proposal 12699 - Visit 09 - WFC3 Photometric Calibration & Calibration Flux Ladder

Tue May 22 01:09:35 GMT 2012

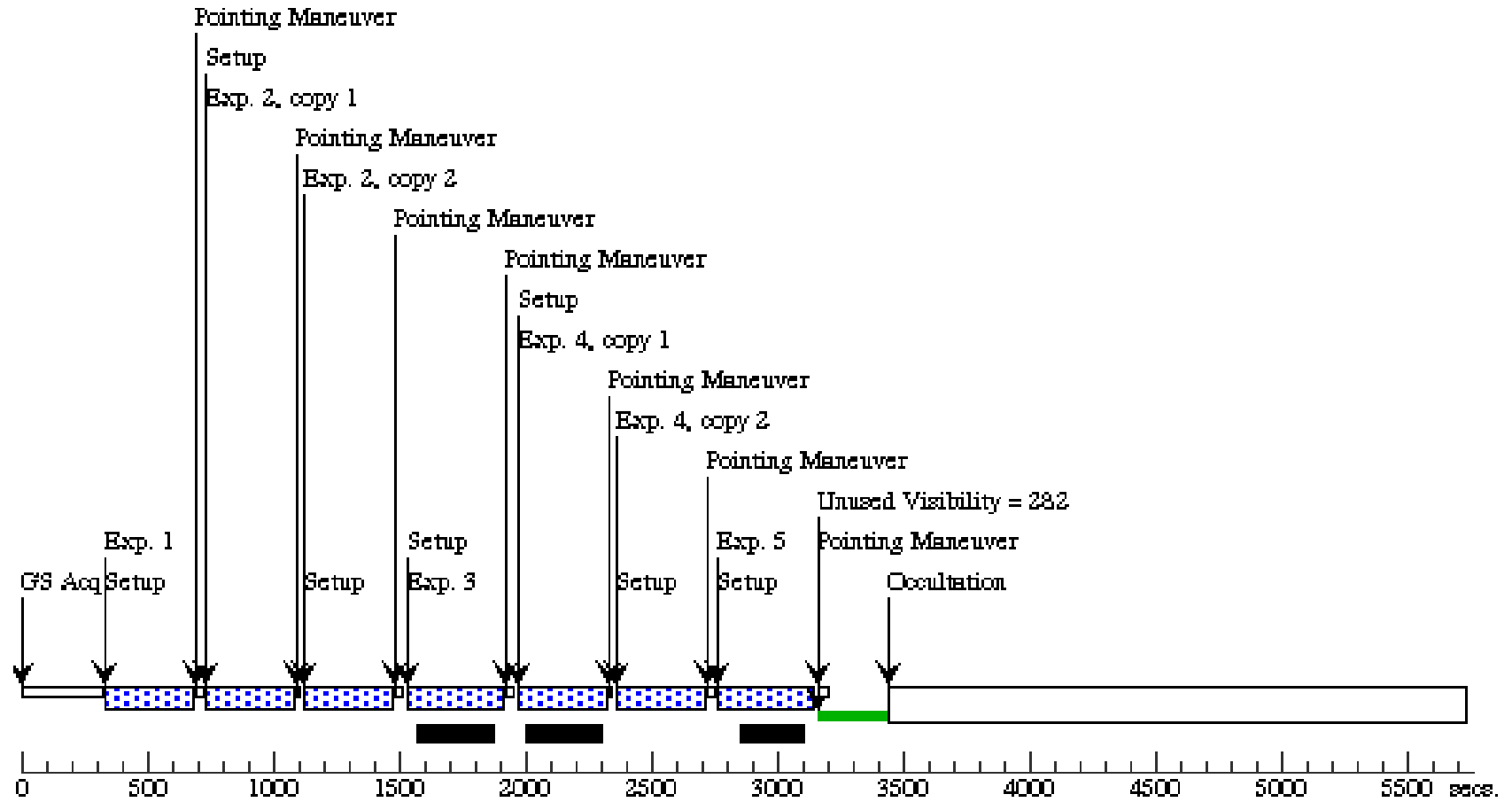
Visit	Proposal 12699, Visit 09 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none)																														
	Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(44)</td> <td>G191B2B</td> <td>RA: 05 05 30.6128 (76.3775533d)</td> <td>Proper Motion RA: 7.45 mas/yr</td> <td>V=11.781</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td></td> <td>Alt Name1: BD+52-913</td> <td>Dec: +52 49 51.96 (52.83110d)</td> <td>Proper Motion Dec: -89.54 mas/yr</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>Equinox: J2000</td> <td>Epoch of Position: 2000</td> <td></td> <td></td> </tr> <tr> <td colspan="6"><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(44)	G191B2B	RA: 05 05 30.6128 (76.3775533d)	Proper Motion RA: 7.45 mas/yr	V=11.781	Reference Frame: ICRS		Alt Name1: BD+52-913	Dec: +52 49 51.96 (52.83110d)	Proper Motion Dec: -89.54 mas/yr					Equinox: J2000	Epoch of Position: 2000			<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>				
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																										
(44)	G191B2B	RA: 05 05 30.6128 (76.3775533d)	Proper Motion RA: 7.45 mas/yr	V=11.781	Reference Frame: ICRS																										
	Alt Name1: BD+52-913	Dec: +52 49 51.96 (52.83110d)	Proper Motion Dec: -89.54 mas/yr																												
		Equinox: J2000	Epoch of Position: 2000																												
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>																															

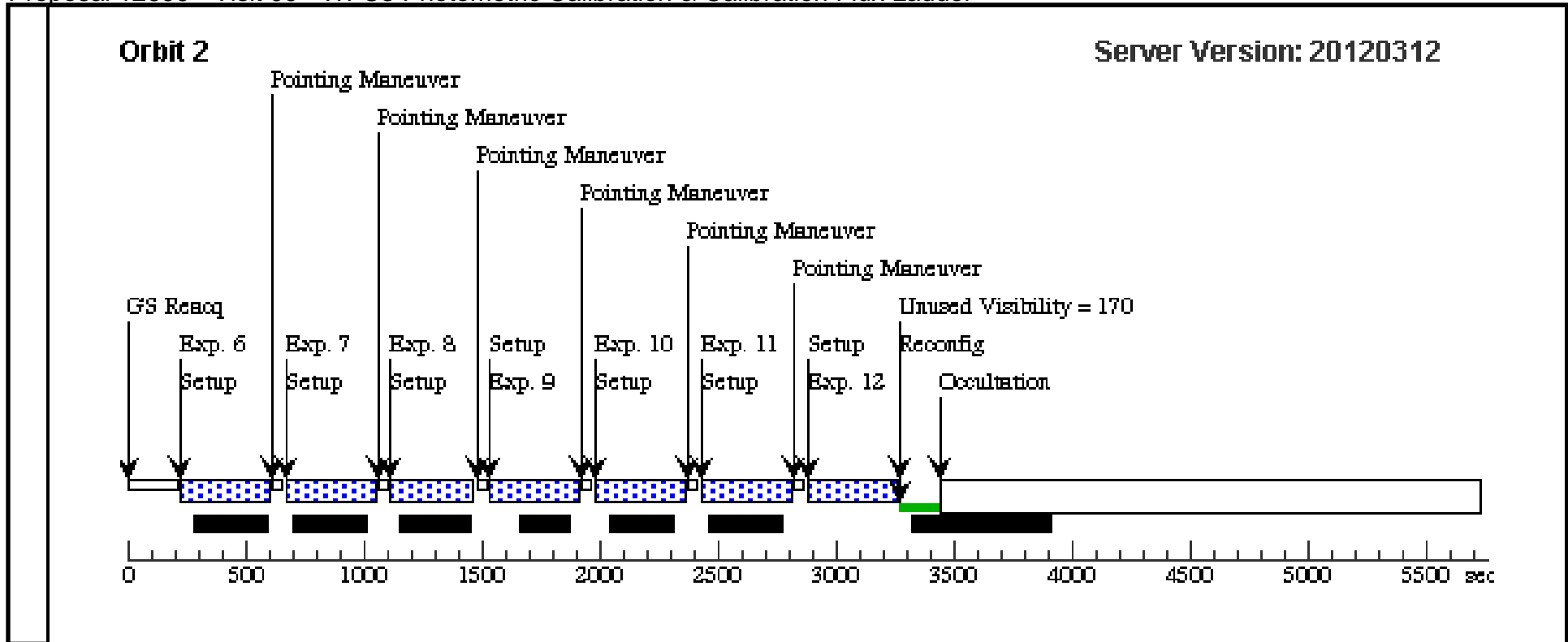
Proposal 12699 - Visit 09 - WFC3 Photometric Calibration & Calibration Flux Ladder

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	F098	(44) G191B2B	WFC3/IR, MULTIACCUM, IRSUB512	F098M	SAMP-SEQ=SPARS 25; NSAMP=15	POS TARG -14,-46; SPATIAL SCAN 0.2 ,90.0 Degrees,Forward		[==>]	[1]
	2	G141	(44) G191B2B	WFC3/IR, MULTIACCUM, GRISM512	G141	SAMP-SEQ=SPARS 25; NSAMP=15	POS TARG null,-6.5 ; SPATIAL SCAN 0.0 19,90.0 Degrees,Forward		[==>(Copy 1)] [==>(Copy 2)]	[1]
	3	F110	(44) G191B2B	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=SPARS 25; NSAMP=15	POS TARG -14,-46; SPATIAL SCAN 0.2 ,90.0 Degrees,Forward		[==>]	[1]
	4	G102	(44) G191B2B	WFC3/IR, MULTIACCUM, GRISM512	G102	SAMP-SEQ=SPARS 25; NSAMP=15	POS TARG null,-6.5 ; SPATIAL SCAN 0.0 19,90.0 Degrees,Forward		[==>(Copy 1)] [==>(Copy 2)]	[1]
	5	F125	(44) G191B2B	WFC3/IR, MULTIACCUM, IR	F125W	SAMP-SEQ=SPARS 25; NSAMP=15	POS TARG -14,-46; SPATIAL SCAN 0.2 ,90.0 Degrees,Forward		[==>]	[1]
	6	F140	(44) G191B2B	WFC3/IR, MULTIACCUM, IR	F140W	SAMP-SEQ=SPARS 25; NSAMP=15	POS TARG -14,-46; SPATIAL SCAN 0.2 ,90.0 Degrees,Forward		[==>]	[2]
	7	F160	(44) G191B2B	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=SPARS 25; NSAMP=15	POS TARG -14,-46; SPATIAL SCAN 0.2 ,90.0 Degrees,Forward		[==>]	[2]
	8	F098	(44) G191B2B	WFC3/IR, MULTIACCUM, IRSUB512	F098M	SAMP-SEQ=SPARS 25; NSAMP=15	POS TARG 6,-33; SPATIAL SCAN 0.2 ,90.0 Degrees,Forward		[==>]	[2]
	9	F110	(44) G191B2B	WFC3/IR, MULTIACCUM, IR	F110W	SAMP-SEQ=SPARS 25; NSAMP=15	POS TARG 6,-30; SPATIAL SCAN 0.2 ,90.0 Degrees,Forward		[==>]	[2]
	10	F125	(44) G191B2B	WFC3/IR, MULTIACCUM, IR	F125W	SAMP-SEQ=SPARS 25; NSAMP=15	POS TARG -6,-30; SPATIAL SCAN 0.2 ,90.0 Degrees,Forward		[==>]	[2]
	11	F140	(44) G191B2B	WFC3/IR, MULTIACCUM, IR	F140W	SAMP-SEQ=SPARS 25; NSAMP=15	POS TARG +6,-33; SPATIAL SCAN 0.2 ,90.0 Degrees,Forward		[==>]	[2]
12	F160	(44) G191B2B	WFC3/IR, MULTIACCUM, IR	F160W	SAMP-SEQ=SPARS 25; NSAMP=15	POS TARG +6,-30; SPATIAL SCAN 0.2 ,90.0 Degrees,Forward		[==>]	[2]	

Orbit 1

Orbit Structure





Proposal 12699 - Visit 10 - WFC3 Photometric Calibration & Calibration Flux Ladder

Tue May 22 01:09:36 GMT 2012

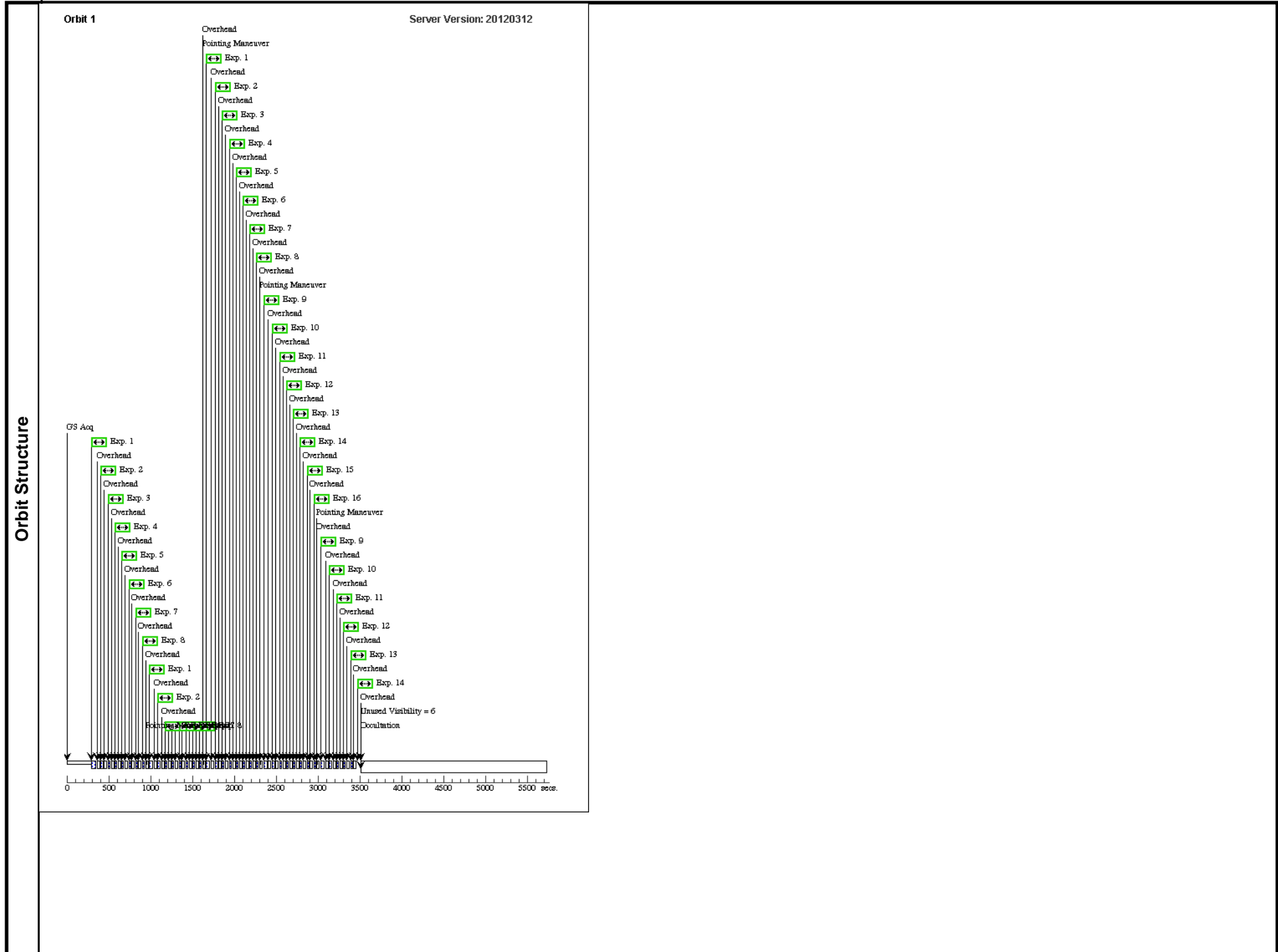
Visit	Proposal 12699, Visit 10 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none) <i>Comments: 1802271 orbit designed to observe the entire wavelength range of the UVIS & IR detectors.</i>					
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(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		(9-16), (25)		
	(4)	Pattern Type=WFC3-UVIS-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(1-8)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(7)	180227 Alt Name1: 2MASS-J18022716+6043356	RA: 18 02 27.1700 (270.6132083d) Dec: +60 43 35.70 (60.72658d) Equinox: J2000		V=11.985	Reference Frame: ICRS
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>					

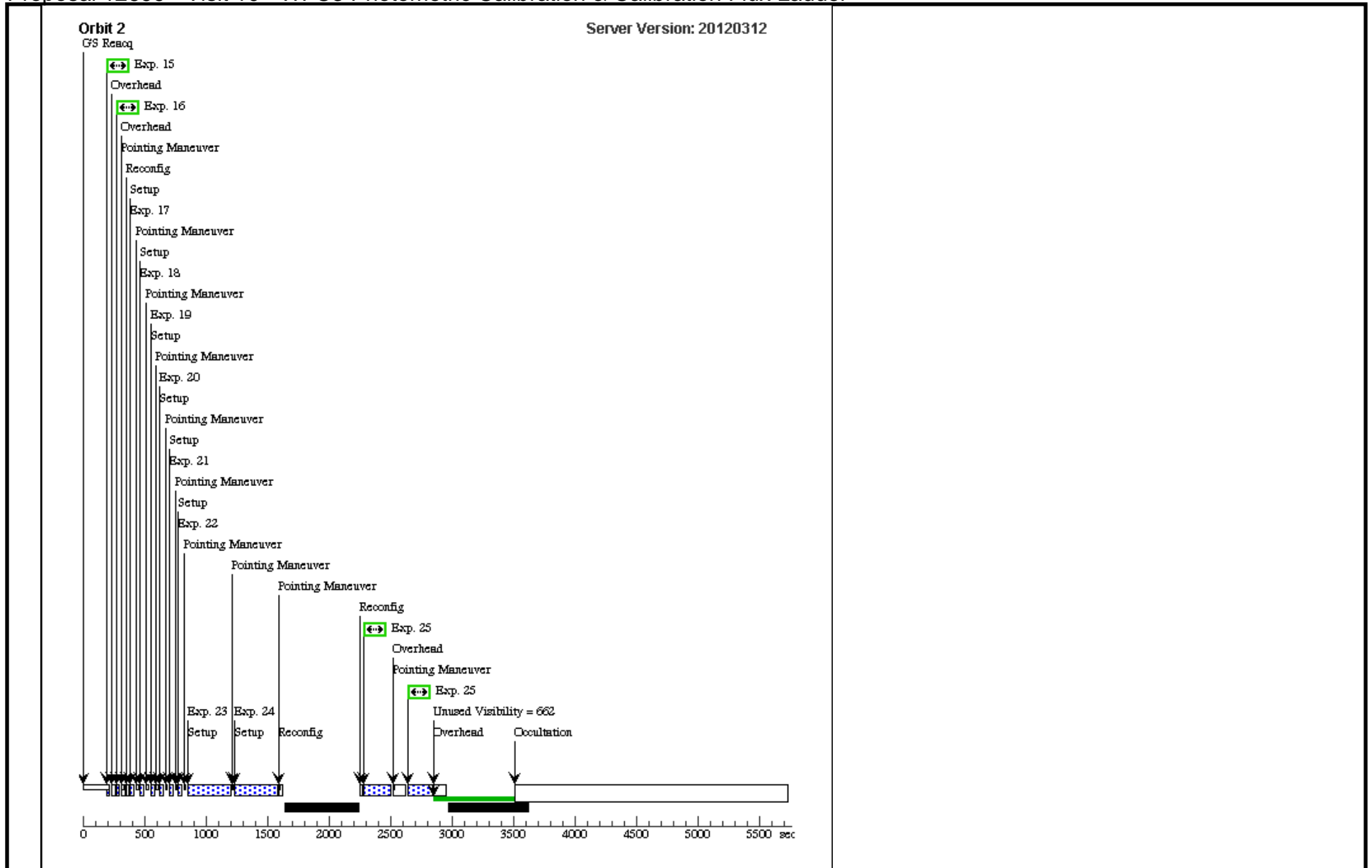
Proposal 12699 - Visit 10 - WFC3 Photometric Calibration & Calibration Flux Ladder

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	180227-UVI S	(7) 180227	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F275W	CR-SPLIT=NO		Pattern 4, Exps 1-8 in Visit 10 (4)	18.2 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
	2	180227-UVI S	(7) 180227	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F336W	CR-SPLIT=NO		Pattern 4, Exps 1-8 in Visit 10 (4)	6.7 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
	3	180227-UVI S	(7) 180227	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F390W	CR-SPLIT=NO		Pattern 4, Exps 1-8 in Visit 10 (4)	1.4 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
	4	180227-UVI S	(7) 180227	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F438W	CR-SPLIT=NO		Pattern 4, Exps 1-8 in Visit 10 (4)	1.6 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
	5	180227-UVI S	(7) 180227	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F475W	CR-SPLIT=NO		Pattern 4, Exps 1-8 in Visit 10 (4)	0.8 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
	6	180227-UVI S	(7) 180227	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F555W	CR-SPLIT=NO		Pattern 4, Exps 1-8 in Visit 10 (4)	0.7 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
	7	180227-UVI S	(7) 180227	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F606W	CR-SPLIT=NO		Pattern 4, Exps 1-8 in Visit 10 (4)	0.8 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
	8	180227-UVI S	(7) 180227	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F814W	CR-SPLIT=NO		Pattern 4, Exps 1-8 in Visit 10 (4)	1.9 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)]	[1]
	9	180227-UVI S	(7) 180227	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F275W	CR-SPLIT=NO		Pattern 2, Exps 9-16 in Visit 10 (2)	18.2 Secs [=>(Pattern 1)] [=>(Pattern 2)]	[1]
	10	180227-UVI S	(7) 180227	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F336W	CR-SPLIT=NO		Pattern 2, Exps 9-16 in Visit 10 (2)	6.7 Secs [=>(Pattern 1)] [=>(Pattern 2)]	[1]
	11	180227-UVI S	(7) 180227	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F390W	CR-SPLIT=NO		Pattern 2, Exps 9-16 in Visit 10 (2)	1.4 Secs [=>(Pattern 1)] [=>(Pattern 2)]	[1]
12	180227-UVI S	(7) 180227	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F438W	CR-SPLIT=NO		Pattern 2, Exps 9-16 in Visit 10 (2)	1.6 Secs [=>(Pattern 1)] [=>(Pattern 2)]	[1]	

Proposal 12699 - Visit 10 - WFC3 Photometric Calibration & Calibration Flux Ladder

13	180227-UVI S	(7) 180227	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F475W	CR-SPLIT=NO	Pattern 2, Exps 9-16 in Visit 10 (2)	0.8 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
14	180227-UVI S	(7) 180227	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F555W	CR-SPLIT=NO	Pattern 2, Exps 9-16 in Visit 10 (2)	0.7 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
15	180227-UVI S	(7) 180227	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F606W	CR-SPLIT=NO	Pattern 2, Exps 9-16 in Visit 10 (2)	0.8 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1] [2]
16	180227-UVI S	(7) 180227	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F814W	CR-SPLIT=NO	Pattern 2, Exps 9-16 in Visit 10 (2)	1.9 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1] [2]
17	180227-IR	(7) 180227	WFC3/IR, MULTIACCUM, IRSUB512	F098M	SAMP-SEQ=RAPID ; NSAMP=6	POS TARG 0,0; SPATIAL SCAN 0.4 ,90.0 Degrees,Forwa rd; GS ACQ SCENARI O BASE1B3	[==>]	[2]
18	180227-IR	(7) 180227	WFC3/IR, MULTIACCUM, IRSUB512	F110W	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 0,0; SPATIAL SCAN 0.8 9,90.0 Degrees,Forw ard	[==>]	[2]
19	180227-IR	(7) 180227	WFC3/IR, MULTIACCUM, IRSUB512	F125W	SAMP-SEQ=RAPID ; NSAMP=6	POS TARG 0,0; SPATIAL SCAN 0.4 1,90.0 Degrees,Forw ard	[==>]	[2]
20	180227-IR	(7) 180227	WFC3/IR, MULTIACCUM, IRSUB512	F140W	SAMP-SEQ=RAPID ; NSAMP=6	POS TARG 0,0; SPATIAL SCAN 0.3 6,90.0 Degrees,Forw ard	[==>]	[2]
21	180227-IR	(7) 180227	WFC3/IR, MULTIACCUM, IRSUB512	F160W	SAMP-SEQ=RAPID ; NSAMP=11	POS TARG 0,0; SPATIAL SCAN 0.1 7,90.0 Degrees,Forw ard	[==>]	[2]
22	180227-IR	(7) 180227	WFC3/IR, MULTIACCUM, G102-REF	F153M	SAMP-SEQ=RAPID ; NSAMP=1	POS TARG 0,0; SPATIAL SCAN 0.1 7,90.0 Degrees,Forw ard	[==>]	[2]
23	G141	(7) 180227	WFC3/IR, MULTIACCUM, GRISM512	G141	SAMP-SEQ=SPARS 25; NSAMP=15	SPATIAL SCAN 0.0 040,90.0 Degrees,Fo rward	[==>]	[2]
24	G102	(7) 180227	WFC3/IR, MULTIACCUM, GRISM512	G102	SAMP-SEQ=SPARS 25; NSAMP=15	SPATIAL SCAN 0.0 050,90.0 Degrees,Fo rward	[==>]	[2]
25	G280	(7) 180227	WFC3/UVIS, ACCUM, UVIS	G280		Pattern 2, Exps 25-2 5 in Visit 10 (2)	200 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[2]





Proposal 12699 - Visit 11 - WFC3 Photometric Calibration & Calibration Flux Ladder

Tue May 22 01:09:38 GMT 2012

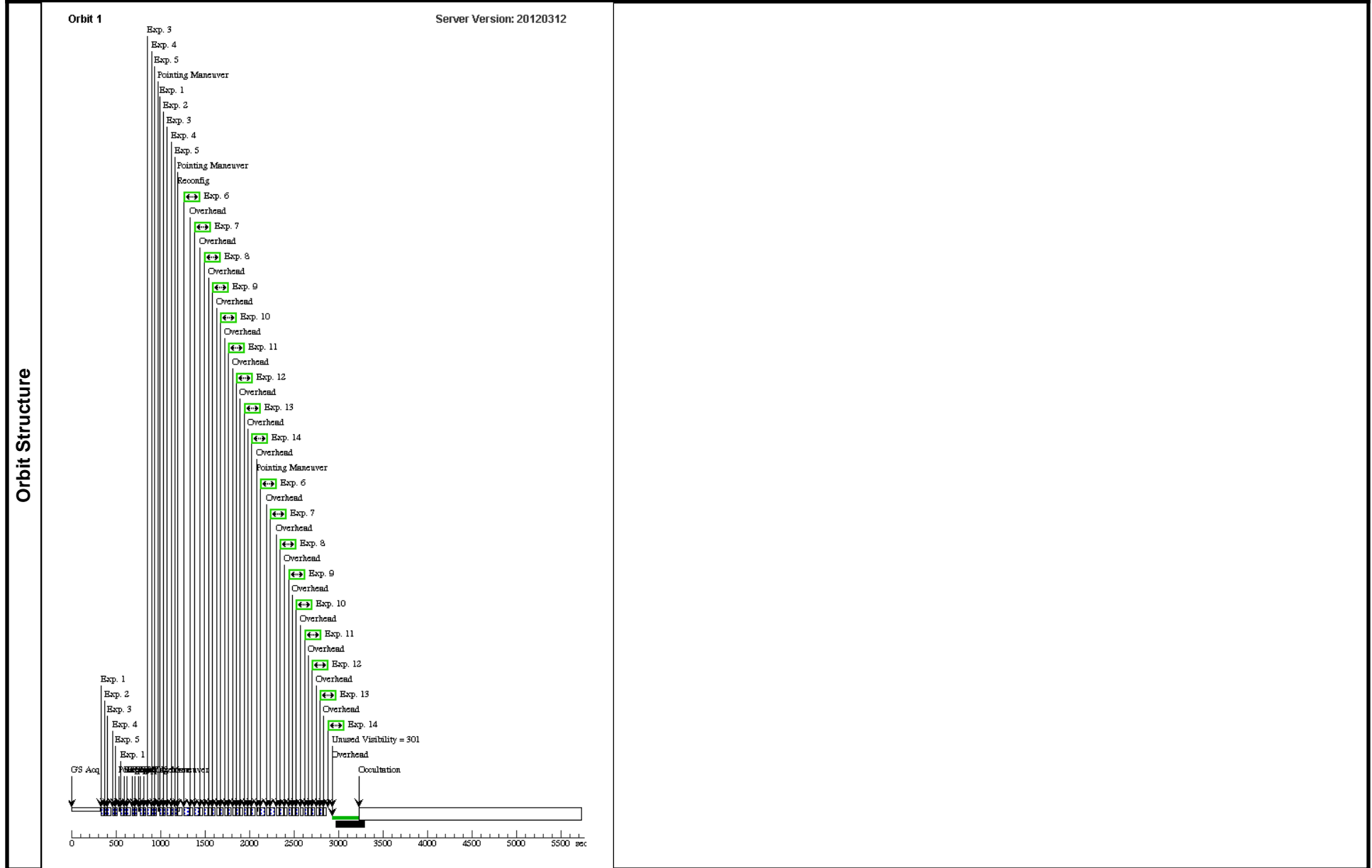
Visit	Proposal 12699, Visit 11 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)					
Patterns	#	Primary Pattern	Secondary Pattern	Exposures		
	(2)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(6-14)		
Patterns	#	Primary Pattern	Secondary Pattern	Exposures		
	(6)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365 Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false		(1-5)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(16)	LDS749B Alt Name1: BD-00-4234B	RA: 21 32 16.2400 (323.0676667d) Dec: +00 15 14.40 (.25400d) Equinox: J2000	Proper Motion RA: 416 mas/yr Proper Motion Dec: 30 mas/yr Epoch of Position: 2000	V=14.674	Reference Frame: ICRS
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>						

Proposal 12699 - Visit 11 - WFC3 Photometric Calibration & Calibration Flux Ladder

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	LDS749B	(16) LDS749B	WFC3/IR, MULTIACCUM, IRSUB256	F110W	SAMP-SEQ=RAPID; NSAMP=15		Pattern 6, Exps 1-5 in Visit 11 (6)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2		(16) LDS749B	WFC3/IR, MULTIACCUM, IRSUB256	F140W	SAMP-SEQ=RAPID; NSAMP=12		Pattern 6, Exps 1-5 in Visit 11 (6)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	3		(16) LDS749B	WFC3/IR, MULTIACCUM, IRSUB256	F160W	SAMP-SEQ=SPARS10; NSAMP=4		Pattern 6, Exps 1-5 in Visit 11 (6)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	4		(16) LDS749B	WFC3/IR, MULTIACCUM, IRSUB256	F125W	SAMP-SEQ=SPARS10; NSAMP=2		Pattern 6, Exps 1-5 in Visit 11 (6)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	5		(16) LDS749B	WFC3/IR, MULTIACCUM, IRSUB256	F098M	SAMP-SEQ=SPARS10; NSAMP=2		Pattern 6, Exps 1-5 in Visit 11 (6)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	6	LDS749B	(16) LDS749B	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F225W	CR-SPLIT=NO	GS ACQ SCENARIO BASE1B3	Pattern 2, Exps 6-14 in Visit 11 (2)	30 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7		(16) LDS749B	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F275W	CR-SPLIT=NO		Pattern 2, Exps 6-14 in Visit 11 (2)	25 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8		(16) LDS749B	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F336W	CR-SPLIT=NO		Pattern 2, Exps 6-14 in Visit 11 (2)	15 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9		(16) LDS749B	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F390W	CR-SPLIT=NO		Pattern 2, Exps 6-14 in Visit 11 (2)	8 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10		(16) LDS749B	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F438W	CR-SPLIT=NO		Pattern 2, Exps 6-14 in Visit 11 (2)	12 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11		(16) LDS749B	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F475W	CR-SPLIT=NO		Pattern 2, Exps 6-14 in Visit 11 (2)	6 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
12		(16) LDS749B	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F555W	CR-SPLIT=NO		Pattern 2, Exps 6-14 in Visit 11 (2)	6 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]	

Proposal 12699 - Visit 11 - WFC3 Photometric Calibration & Calibration Flux Ladder

13	(16) LDS749B	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F606W	CR-SPLIT=NO	Pattern 2, Exps 6-14 in Visit 11 (2)	6 Secs	
						[=>(Pattern 1)]	[1]
14	(16) LDS749B	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F814W	CR-SPLIT=NO	Pattern 2, Exps 6-14 in Visit 11 (2)	16 Secs	
						[=>(Pattern 1)]	[1]



Proposal 12699 - Visit 12 - WFC3 Photometric Calibration & Calibration Flux Ladder

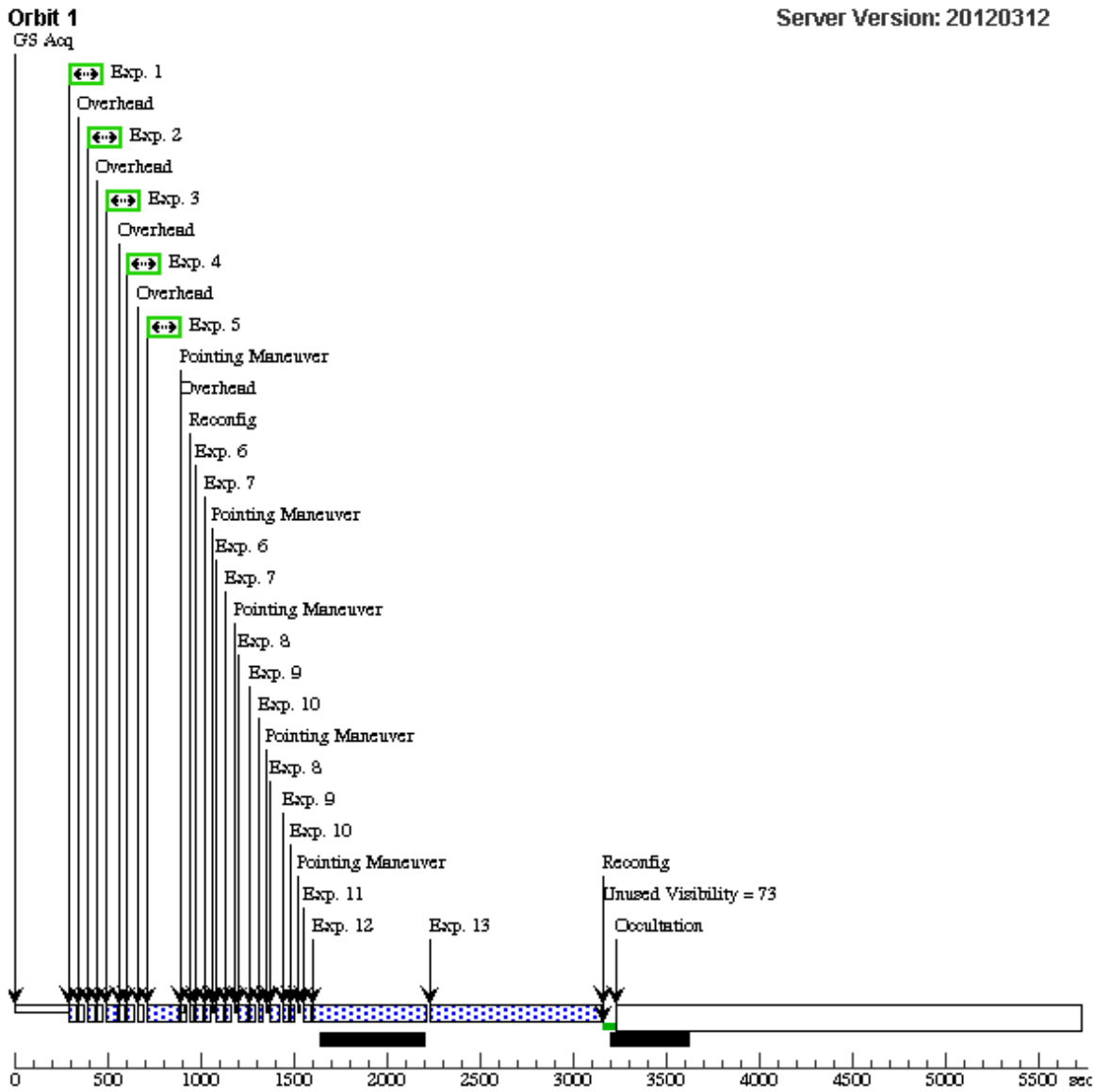
Tue May 22 01:09:39 GMT 2012

Visit	Proposal 12699, Visit 12 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)					
	Patterns	#	Primary Pattern	Secondary Pattern	Exposures	
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(6-7), (8-10)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(49)	HMT98-AS-36-4	RA: 21 52 25.5000 (328.1062500d) Dec: +02 23 35.00 (2.39306d) Equinox: J2000		V=(?) J= 15.31, H=14.769, K=14.514	Reference Frame: ICRS
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. etc runs assume a cold, M2V Kurucz model at T=3500K</i>					

Proposal 12699 - Visit 12 - WFC3 Photometric Calibration & Calibration Flux Ladder

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		(49) HMT98-AS-36-4	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F814W	CR-SPLIT=NO			7 Secs [==>]	[1]
	2		(49) HMT98-AS-36-4	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F625W	CR-SPLIT=NO			14 Secs [==>]	[1]
	3		(49) HMT98-AS-36-4	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F475W	CR-SPLIT=NO			37 Secs [==>]	[1]
	4		(49) HMT98-AS-36-4	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F555W	CR-SPLIT=NO			21 Secs [==>]	[1]
	5		(49) HMT98-AS-36-4	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F390M	CR-SPLIT=NO			150 Secs [==>]	[1]
	6	faint ir standard	(49) HMT98-AS-36-4	WFC3/IR, MULTIACCUM, IRSUB512	F140W	SAMP-SEQ=RAPID ; NSAMP=15		Pattern 1, Exps 6-7 in Visit 12 (1)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	7	faint ir standard	(49) HMT98-AS-36-4	WFC3/IR, MULTIACCUM, IRSUB512	F110W	SAMP-SEQ=RAPID ; NSAMP=12		Pattern 1, Exps 6-7 in Visit 12 (1)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	8	faint ir standard	(49) HMT98-AS-36-4	WFC3/IR, MULTIACCUM, IRSUB256	F098M	SAMP-SEQ=SPARS 10 ; NSAMP=5		Pattern 1, Exps 8-10 in Visit 12 (1)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	9	faint ir standard	(49) HMT98-AS-36-4	WFC3/IR, MULTIACCUM, IRSUB256	F125W	SAMP-SEQ=SPARS 10 ; NSAMP=3		Pattern 1, Exps 8-10 in Visit 12 (1)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	10	faint ir standard	(49) HMT98-AS-36-4	WFC3/IR, MULTIACCUM, IRSUB256	F160W	SAMP-SEQ=SPARS 10 ; NSAMP=3		Pattern 1, Exps 8-10 in Visit 12 (1)	[==>(Pattern 1)] [==>(Pattern 2)]	[1]
	11	faint ir standard	(49) HMT98-AS-36-4	WFC3/IR, MULTIACCUM, G141-REF	F110W	SAMP-SEQ=RAPID ; NSAMP=3			[==>]	[1]
	12	faint ir standard G141	(49) HMT98-AS-36-4	WFC3/IR, MULTIACCUM, GRISM1024	G141	SAMP-SEQ=STEP2 00 ; NSAMP=10			[==>]	[1]
13	faint ir standard G102	(49) HMT98-AS-36-4	WFC3/IR, MULTIACCUM, GRISM1024	G102	SAMP-SEQ=STEP1 00 ; NSAMP=15			[==>]	[1]	

Orbit Structure



Proposal 12699 - Visit 13 - WFC3 Photometric Calibration & Calibration Flux Ladder

Tue May 22 01:09:40 GMT 2012

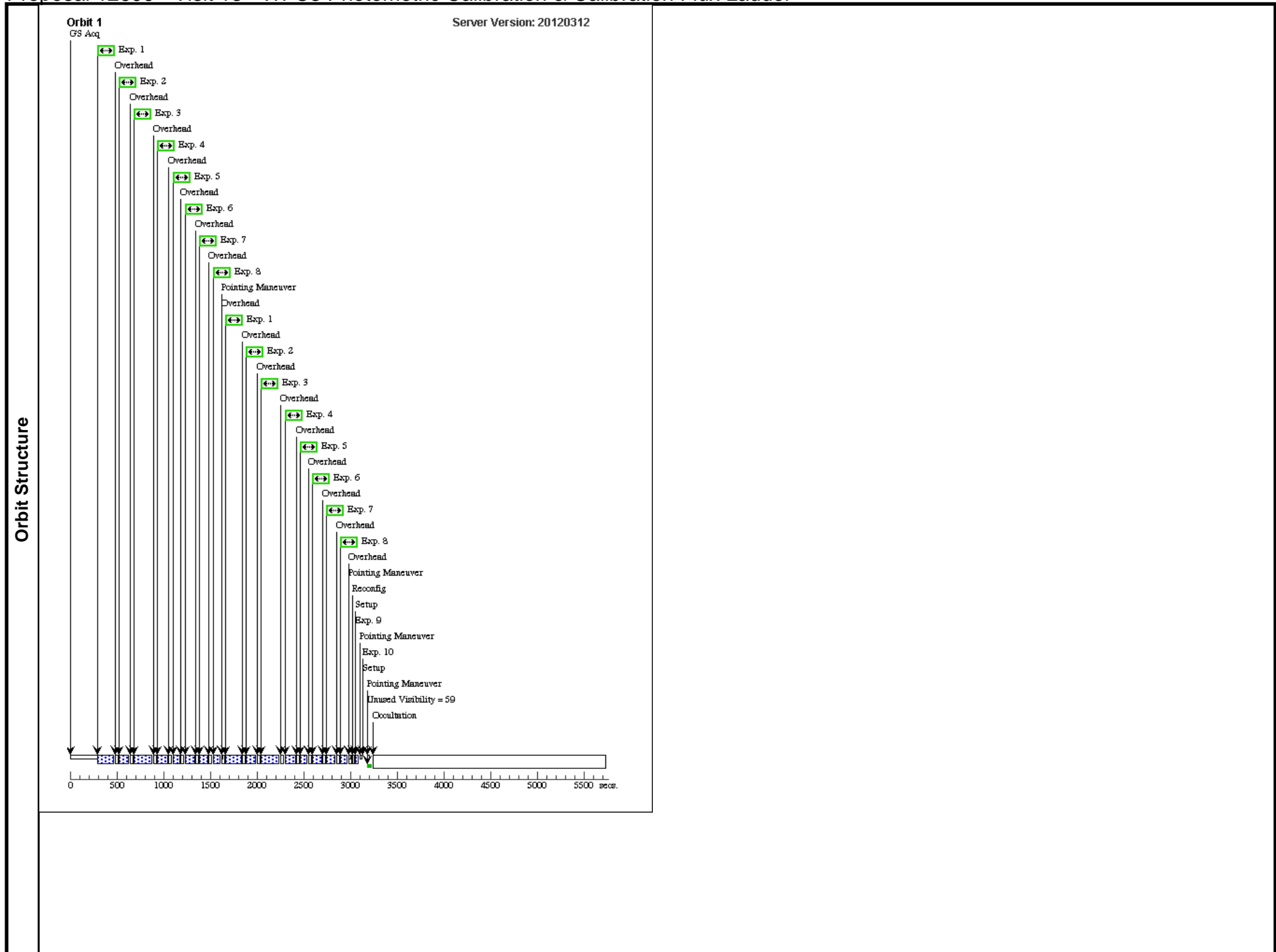
Visit	Proposal 12699, Visit 13 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none)					
Patterns	#	Primary Pattern	Secondary Pattern	Exposures		
	(1)	Pattern Type=WFC3-IR-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.636 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(9-13), (15-16)		
	(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		(1-8)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(48)	2MASS-J23122061+1046340 Alt Name1: HMT98-AS-39-1	RA: 23 12 20.6200 (348.0859167d) Dec: +10 46 34.00 (10.77611d) Equinox: J2000		V=(?) B=19.5, J=15.084, H=14.463, K=14.225	Reference Frame: ICRS
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. REFERENCE 2003yCat.2246 OC This source is one of the faintest of the Hunt et al 1998 catalog of NIR standards (1998 AJ 111)</i>						

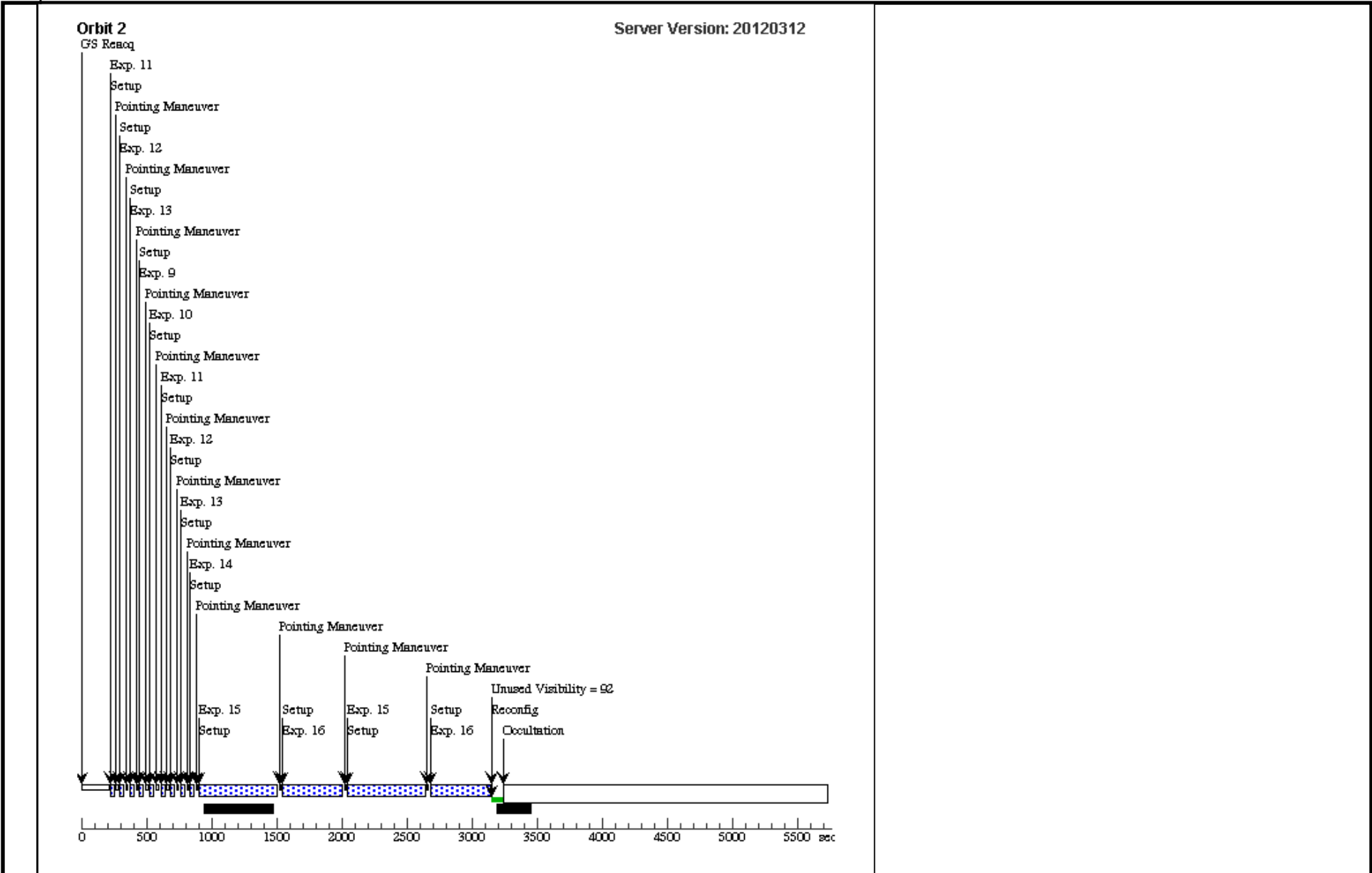
Proposal 12699 - Visit 13 - WFC3 Photometric Calibration & Calibration Flux Ladder

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
Exposures	1	2312206-U VIS	(48) 2MASS-J23122 061+1046340	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F390W	CR-SPLIT=NO	Pattern 2, Exps 1-8 i n Visit 13 (2)	140 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]	
	2	2312206-U VIS	(48) 2MASS-J23122 061+1046340	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F438W	CR-SPLIT=NO	Pattern 2, Exps 1-8 i n Visit 13 (2)	80 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]	
	3	2312206-U VIS	(48) 2MASS-J23122 061+1046340	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F475W	CR-SPLIT=NO	Pattern 2, Exps 1-8 i n Visit 13 (2)	170 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]	
	4	2312206-U VIS	(48) 2MASS-J23122 061+1046340	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F555W	CR-SPLIT=NO	Pattern 2, Exps 1-8 i n Visit 13 (2)	85 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]	
	5	2312206-U VIS	(48) 2MASS-J23122 061+1046340	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F606W	CR-SPLIT=NO	Pattern 2, Exps 1-8 i n Visit 13 (2)	50 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]	
	6	2312206-U VIS	(48) 2MASS-J23122 061+1046340	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F625W	CR-SPLIT=NO	Pattern 2, Exps 1-8 i n Visit 13 (2)	70 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]	
	7	2312206-U VIS	(48) 2MASS-J23122 061+1046340	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F775W	CR-SPLIT=NO	Pattern 2, Exps 1-8 i n Visit 13 (2)	70 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]	
	8	2312206-U VIS	(48) 2MASS-J23122 061+1046340	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F814W	CR-SPLIT=NO	Pattern 2, Exps 1-8 i n Visit 13 (2)	50 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]	
	9	2312206-IR	(48) 2MASS-J23122 061+1046340	WFC3/IR, MULTIACCUM, IRSUB512	F098M	SAMP-SEQ=RAPID ; NSAMP=6	POS TARG 0,0; SPATIAL SCAN 0.4 ,90.0 Degrees,Forwa rd; GS ACQ SCENARI O BASE1B3	Pattern 1, Exps 9-13 in Visit 13 (1)	[==>(Pattern 1)] [==>(Pattern 2)]	[1] [2]
	10	2312206-IR	(48) 2MASS-J23122 061+1046340	WFC3/IR, MULTIACCUM, IRSUB512	F110W	SAMP-SEQ=RAPID ; NSAMP=5	POS TARG 0,0; SPATIAL SCAN 0.8 9,90.0 Degrees,Forw ard	Pattern 1, Exps 9-13 in Visit 13 (1)	[==>(Pattern 1)] [==>(Pattern 2)]	[1] [2]
	11	2312206-IR	(48) 2MASS-J23122 061+1046340	WFC3/IR, MULTIACCUM, IRSUB512	F125W	SAMP-SEQ=RAPID ; NSAMP=6	POS TARG 0,0; SPATIAL SCAN 0.4 1,90.0 Degrees,Forw ard	Pattern 1, Exps 9-13 in Visit 13 (1)	[==>(Pattern 1)] [==>(Pattern 2)]	[2]
	12	2312206-IR	(48) 2MASS-J23122 061+1046340	WFC3/IR, MULTIACCUM, IRSUB512	F140W	SAMP-SEQ=RAPID ; NSAMP=6	POS TARG 0,0; SPATIAL SCAN 0.3 6,90.0 Degrees,Forw ard	Pattern 1, Exps 9-13 in Visit 13 (1)	[==>(Pattern 1)] [==>(Pattern 2)]	[2]
	13	2312206-IR	(48) 2MASS-J23122 061+1046340	WFC3/IR, MULTIACCUM, IRSUB512	F160W	SAMP-SEQ=RAPID ; NSAMP=11	POS TARG 0,0; SPATIAL SCAN 0.1 7,90.0 Degrees,Forw ard	Pattern 1, Exps 9-13 in Visit 13 (1)	[==>(Pattern 1)] [==>(Pattern 2)]	[2]

Proposal 12699 - Visit 13 - WFC3 Photometric Calibration & Calibration Flux Ladder

14	2312206-IR	(48) 2MASS-J23122 061+1046340	WFC3/IR, MULTIACCUM, G102-REF	F153M	SAMP-SEQ=RAPID ; NSAMP=1	POS TARG 0,0; SPATIAL SCAN 0.1 7,90.0 Degrees,Forward	[==>]	[2]
15	2312206-G1 41	(48) 2MASS-J23122 061+1046340	WFC3/IR, MULTIACCUM, GRISM512	G141	SAMP-SEQ=SPARS 50; NSAMP=13	SPATIAL SCAN 0.0 040,90.0 Degrees,Forward	Pattern 1, Exps 15-1 6 in Visit 13 (1) [==>(Pattern 1)] [==>(Pattern 2)]	[2]
16	2312206-G1 02	(48) 2MASS-J23122 061+1046340	WFC3/IR, MULTIACCUM, GRISM512	G102	SAMP-SEQ=SPARS 50; NSAMP=10	SPATIAL SCAN 0.0 050,90.0 Degrees,Forward	Pattern 1, Exps 15-1 6 in Visit 13 (1) [==>(Pattern 1)] [==>(Pattern 2)]	[2]





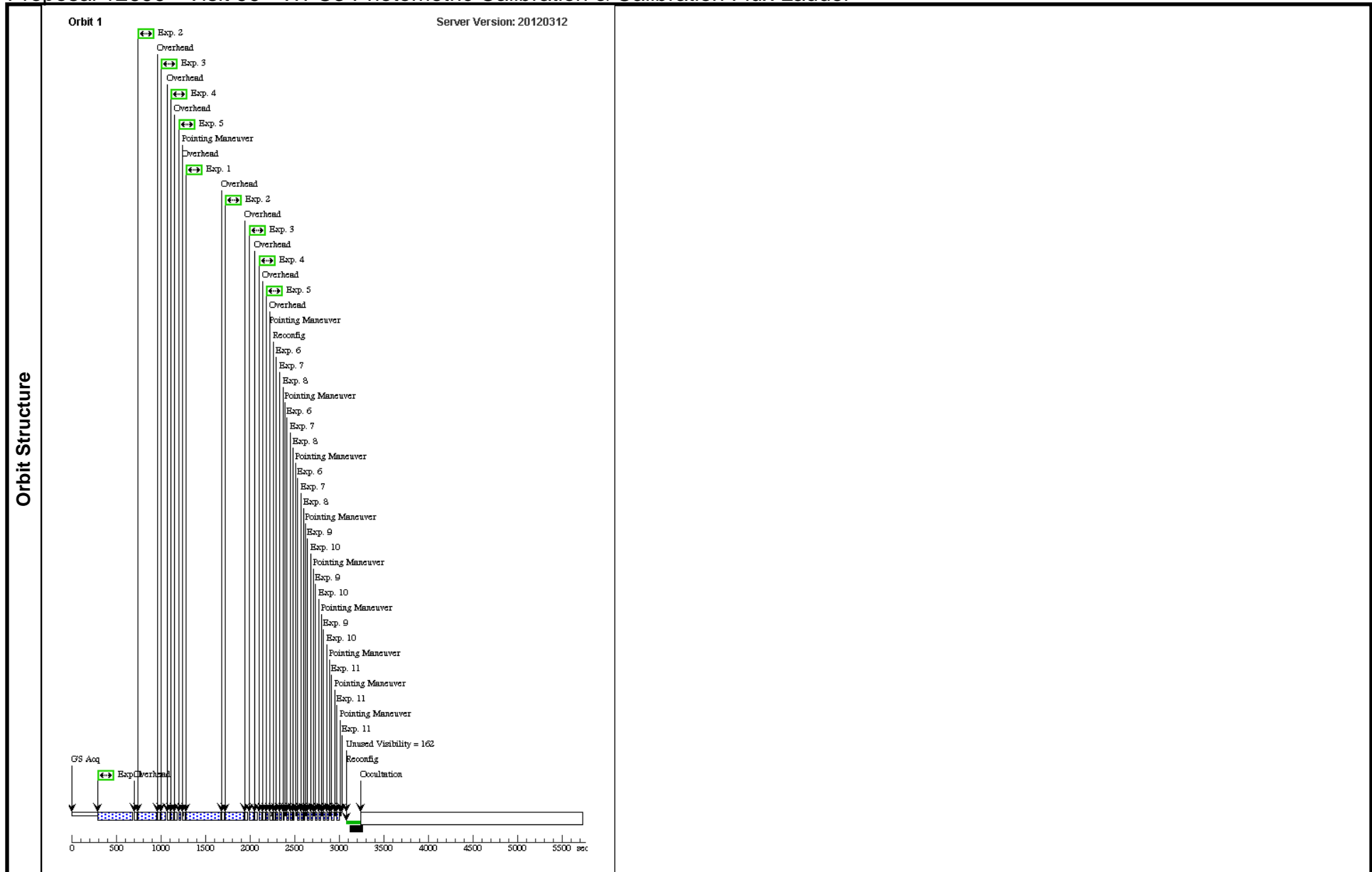
Proposal 12699 - Visit 99 - WFC3 Photometric Calibration & Calibration Flux Ladder

Tue May 22 01:09:41 GMT 2012

Visit	Proposal 12699, Visit 99 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: ON HOLD ; ON HOLD FOR 12 <i>Comments: VB8 orbit designed to observe the entire wavelength range of the UVIS & IR detectors. please hold for now.</i> <i>On Hold Comments: place holder</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)	
	(3)	Pattern Type=WFC3-IR-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false		(6-8), (9-10), (11)	
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(47)	VB8	RA: 16 55 35.2900 (253.8970417d) Dec: -08 23 40.10 (-8.39447d) Equinox: J2000	Proper Motion RA: -771 mas/yr Proper Motion Dec: -871 mas/yr Epoch of Position: 2000	V=16.7	Reference Frame: ICRS
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> <i>proper motions are:</i> RA pm -771 mas/yr Dec pm -871 mas/yr Error ellipse = [23 21 0] in mas/yr. The Reference is 2005A&A...435..363, where VB8is in line 125 of Table 5. name ra, dec, pm (arcsec/yr), pm PA (deg), Jmag, Kmag LHS 424 16 55 35.58 -08 23 35.1 1.163 +221.50 9.7760 8.816					

Proposal 12699 - Visit 99 - WFC3 Photometric Calibration & Calibration Flux Ladder

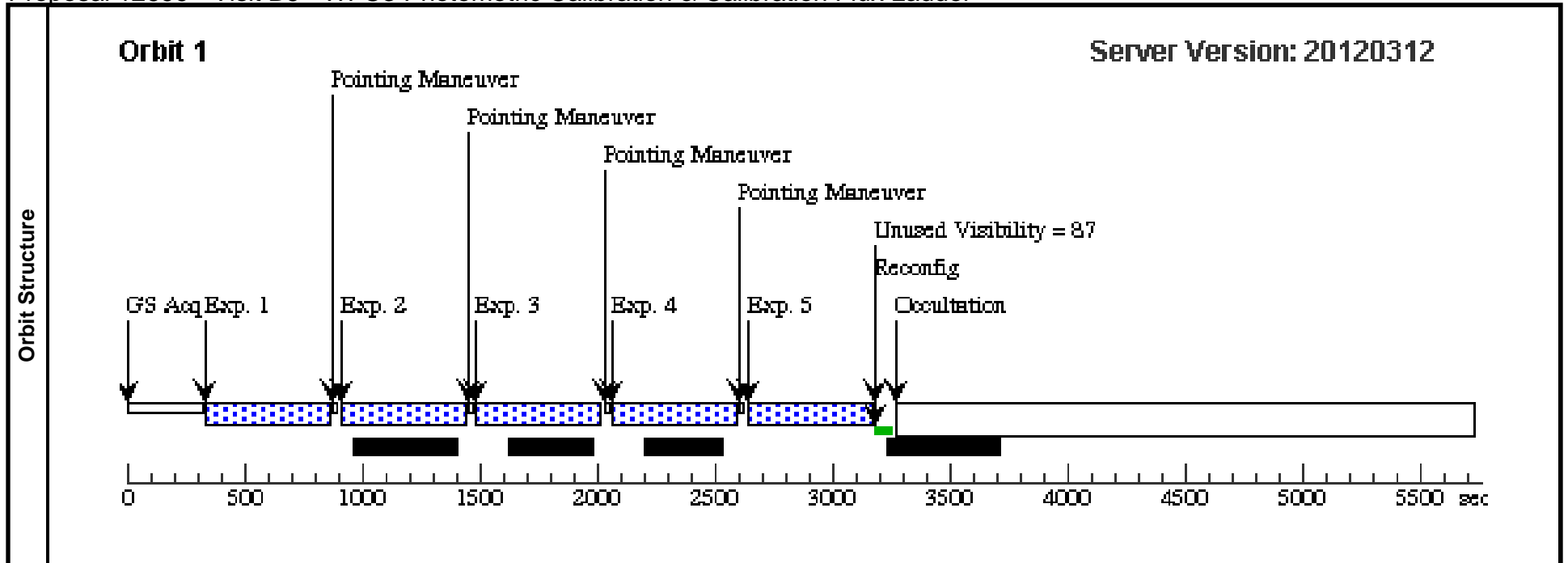
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(47) VB8	(47) VB8	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F390W	CR-SPLIT=NO		Pattern 2, Exps 1-5 in Visit 99 (2)	360 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	2	(47) VB8	(47) VB8	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F475W	CR-SPLIT=NO		Pattern 2, Exps 1-5 in Visit 99 (2)	185 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	3	(47) VB8	(47) VB8	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F606W	CR-SPLIT=NO		Pattern 2, Exps 1-5 in Visit 99 (2)	33 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	4	(47) VB8	(47) VB8	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F814W	CR-SPLIT=NO		Pattern 2, Exps 1-5 in Visit 99 (2)	4 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	5	(47) VB8	(47) VB8	WFC3/UVIS, ACCUM, UVIS2-M512C-SUB	F850LP	CR-SPLIT=NO		Pattern 2, Exps 1-5 in Visit 99 (2)	6.5 Secs [==>(Pattern 1)] [==>(Pattern 2)]	[1]
	6	(47) VB8	(47) VB8	WFC3/IR, MULTIACCUM, IRSUB128	F098M	SAMP-SEQ=RAPID NSAMP=3	POS TARG -0.27,-1.4; GS ACQ SCENARIO BASE1B3	Pattern 3, Exps 6-8 in Visit 99 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	7	(47) VB8	(47) VB8	WFC3/IR, MULTIACCUM, IRSUB128	F127M	SAMP-SEQ=RAPID NSAMP=5	POS TARG -0.27,-1.4	Pattern 3, Exps 6-8 in Visit 99 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	8	(47) VB8	(47) VB8	WFC3/IR, MULTIACCUM, IRSUB128	F139M	SAMP-SEQ=RAPID NSAMP=7	POS TARG -0.27,-1.4	Pattern 3, Exps 6-8 in Visit 99 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	9	(47) VB8	(47) VB8	WFC3/IR, MULTIACCUM, IRSUB64	F105W	SAMP-SEQ=RAPID NSAMP=3	POS TARG -0.27,-1.4	Pattern 3, Exps 9-10 in Visit 99 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
	10	(47) VB8	(47) VB8	WFC3/IR, MULTIACCUM, IRSUB64	F160W	SAMP-SEQ=RAPID NSAMP=3	POS TARG -0.27,-1.4	Pattern 3, Exps 9-10 in Visit 99 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]
11	(47) VB8	(47) VB8	WFC3/IR, MULTIACCUM, IRSUB256	F167N	SAMP-SEQ=RAPID NSAMP=10	POS TARG -0.27,-1.4	Pattern 3, Exps 11-11 in Visit 99 (3)	[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)]	[1]	



Proposal 12699 - Visit B6 - WFC3 Photometric Calibration & Calibration Flux Ladder

Tue May 22 01:09:42 GMT 2012

Visit	Proposal 12699, Visit B6 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none) <i>Comments: uses P330E to flux calibrate the -1st Order of the G102 grism. the -1st order is always fully on the detector, regardless of the +1st order</i> <i>this visit may be executed at any time</i>									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
		(2)	P330E Alt Name1: GSC02581-02323	RA: 16 31 33.8200 (247.8909167d) Dec: +30 08 46.50 (30.14625d) Equinox: J2000	Proper Motion RA: -0.0005 sec of time/yr Proper Motion Dec: -0.036 arcsec/yr Epoch of Position: 2000	V=12.917 U=13.576, B=12.972, R=12.564, I=12.212, J=11.769, H=11.454, K=11.379	Reference Frame: ICRS			
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	P330E G102 100 sec bottom	(2) P330E	WFC3/IR, MULTIACCUM, IR	G102	NSAMP=15; SAMP-SEQ=STEP50	POS TARG 43,-45		[==>]	[1]
	2	P330E G102 100 sec 1st quarter	(2) P330E	WFC3/IR, MULTIACCUM, IR	G102	NSAMP=15; SAMP-SEQ=STEP50	POS TARG 43,-25		[==>]	[1]
	3	P330E G102 100 sec middle	(2) P330E	WFC3/IR, MULTIACCUM, IR	G102	NSAMP=15; SAMP-SEQ=STEP50	POS TARG 43,0		[==>]	[1]
	4	P330E G102 100 sec upper quad	(2) P330E	WFC3/IR, MULTIACCUM, IR	G102	NSAMP=15; SAMP-SEQ=STEP50	POS TARG 43,+25		[==>]	[1]
	5	P330E G102 100 sec top	(2) P330E	WFC3/IR, MULTIACCUM, IR	G102	NSAMP=15; SAMP-SEQ=STEP50	POS TARG 43,+50		[==>]	[1]



Proposal 12699 - Visit B7 - WFC3 Photometric Calibration & Calibration Flux Ladder

Tue May 22 01:09:43 GMT 2012

Visit	Proposal 12699, Visit B7 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none) <i>Comments: uses Vy2-2 to wavelength calibrate the -1st Order of the G102 grism. the -1st order is always fully on the detector, regardless of the +1st order</i> <i>this visit may be executed at any time</i>																										
	Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(50)</td> <td>PN-G045.4-02.7 Alt Name1: VY2-2</td> <td>RA: 19 24 22.2290 (291.0926208d) Dec: +09 53 56.66 (9.89907d) Equinox: J2000</td> <td></td> <td>V=13.8</td> <td>Reference Frame: ICRS</td> </tr> <tr> <td colspan="6"><i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i></td> </tr> </tbody> </table>									#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(50)	PN-G045.4-02.7 Alt Name1: VY2-2	RA: 19 24 22.2290 (291.0926208d) Dec: +09 53 56.66 (9.89907d) Equinox: J2000		V=13.8	Reference Frame: ICRS	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>				
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous																						
(50)	PN-G045.4-02.7 Alt Name1: VY2-2	RA: 19 24 22.2290 (291.0926208d) Dec: +09 53 56.66 (9.89907d) Equinox: J2000		V=13.8	Reference Frame: ICRS																						
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i>																											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit																	
	1	center G102	(50) PN-G045.4-02.7	WFC3/IR, MULTIACCUM, IR	G102	SAMP-SEQ=SPARS 25; NSAMP=15	POS TARG 43,-1.0		[==>]	[1]																	
	2	center G141	(50) PN-G045.4-02.7	WFC3/IR, MULTIACCUM, IR	G141	SAMP-SEQ=SPARS 25; NSAMP=15	POS TARG 23,+1.0		[==>]	[1]																	
	3	Top G102	(50) PN-G045.4-02.7	WFC3/IR, MULTIACCUM, IR	G102	SAMP-SEQ=SPARS 25; NSAMP=15	POS TARG 43,50		[==>]	[1]																	
	<i>Comments: wavelength calibration of the -1st orders of the two IR grisms postargs selected such that the -1st order is fully imaged on the array</i>																										
	4	TopG141	(50) PN-G045.4-02.7	WFC3/IR, MULTIACCUM, IR	G141	SAMP-SEQ=SPARS 25; NSAMP=15	POS TARG 23,48		[==>]	[1]																	
	5	bottom G102	(50) PN-G045.4-02.7	WFC3/IR, MULTIACCUM, IR	G102	SAMP-SEQ=SPARS 25; NSAMP=15	POS TARG 43,-45		[==>]	[1]																	
6	bottom G141	(50) PN-G045.4-02.7	WFC3/IR, MULTIACCUM, IR	G141	SAMP-SEQ=SPARS 25; NSAMP=15	POS TARG 23,-43		[==>]	[1]																		

