



13583 - UV flats spatial scan

Cycle: 21, Proposal Category: CAL/WFC3

(Availability Mode: RESTRICTED)

INVESTIGATORS

<i>Name</i>	<i>Institution</i>	<i>E-Mail</i>
Dr. Peter McCullough (PI) (Contact)	Space Telescope Science Institute	pmcc@stsci.edu

VISITS

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(1) -GAM-ARI-MIDPOINT	S/C WFC3/UVIS	2	22-Oct-2013 22:22:37.0	yes
02	(1) -GAM-ARI-MIDPOINT	S/C WFC3/UVIS	2	22-Oct-2013 22:22:56.0	yes

4 Total Orbits Used

ABSTRACT

Goals: Obtain a low-frequency flat field in each of two UV filters, F218W and F280N.

OBSERVING DESCRIPTION

This is the same design as program 13095 except for the filters. We used visit 2A of 13095 as our template for this program 13583, because 13095's visit 1A had sacrificed its first visit for an engineering test of fast FGS scanning, which we do not want to repeat here.

Here's how we made this program. Copied 13095's visit 2A. Changed filters to F280N. Copied that visit, and changed filter to F218W.

APT underestimates the number of orbits required by 2x.

Proposal 13583 - F218W (01) - UV flats spatial scan

Visit	Proposal 13583, F218W (01) Wed Oct 23 02:23:05 GMT 2013 Diagnostic Status: No Diagnostics Scientific Instruments: S/C, WFC3/UVIS Special Requirements: ORIENT 86D TO 86.1 D Comments: F218W																												
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Proposal 13583 - F218W (01) - UV flats spatial scan

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
Exposures	1	(1) -GAM-ARI-MID POINT	S/C, POINTING, V1			POS TARG -103.86 27892,-206.9492839; GS ACQ SCENARI ONEB1B3	Sequence 1-6 Non-Int in F218W (01)	1 Secs (1 Secs) [==>]	[1]	
	<p>Comments: The purpose of this exposure is to establish the pointing under FGS-control prior to executing the rest of the visit under GYRO-control. This effectively zeros out the 14-22" blind-pointing error of a GYRO-only visit. The POS TARG on this exposure puts the spacecraft pointing at the starting scan ramp-up position of the following exposure.</p>									
	2	Y scan, X step	(1) -GAM-ARI-MID POINT	WFC3/UVIS, ACCUM, UVIS-CENTER	F218W		POS TARG -69,-115 ; SPATIAL SCAN 7.5 ,90.0 Degrees,Forward,33.0 Arcsec,5; EXP PCS MODE G YRO	Sequence 1-6 Non-Int in F218W (01)	370 Secs (370 Secs) [==>]	[1]
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4	Y scan, X step	(1) -GAM-ARI-MID POINT	WFC3/UVIS, ACCUM, UVIS-CENTER	F218W		POS TARG -55,-115 ; SPATIAL SCAN 7.5 ,90.0 Degrees,Forward,33.0 Arcsec,5; EXP PCS MODE G YRO	Sequence 1-6 Non-Int in F218W (01)	370 Secs (370 Secs) [==>]	[1]	
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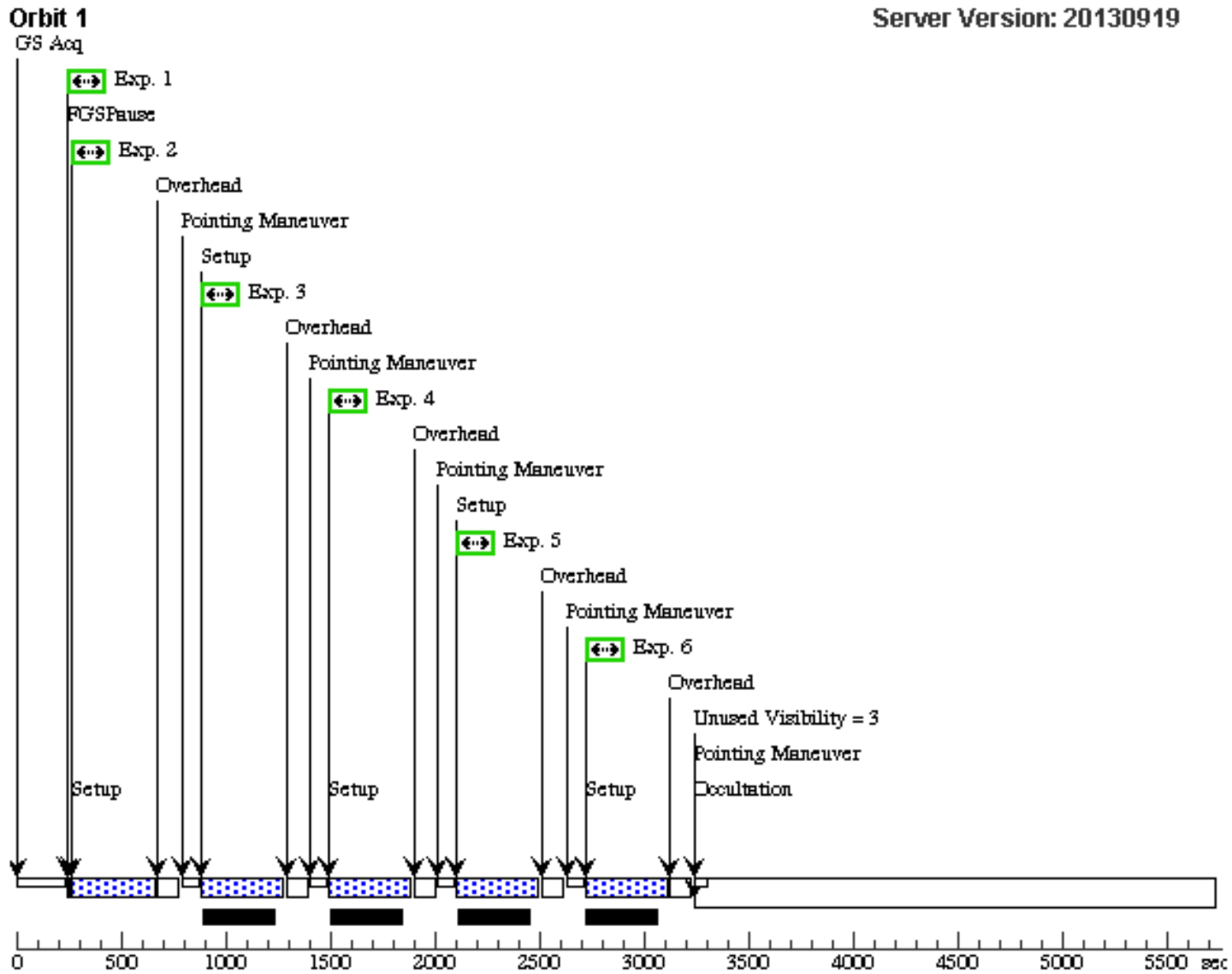
Proposal 13583 - F218W (01) - UV flats spatial scan

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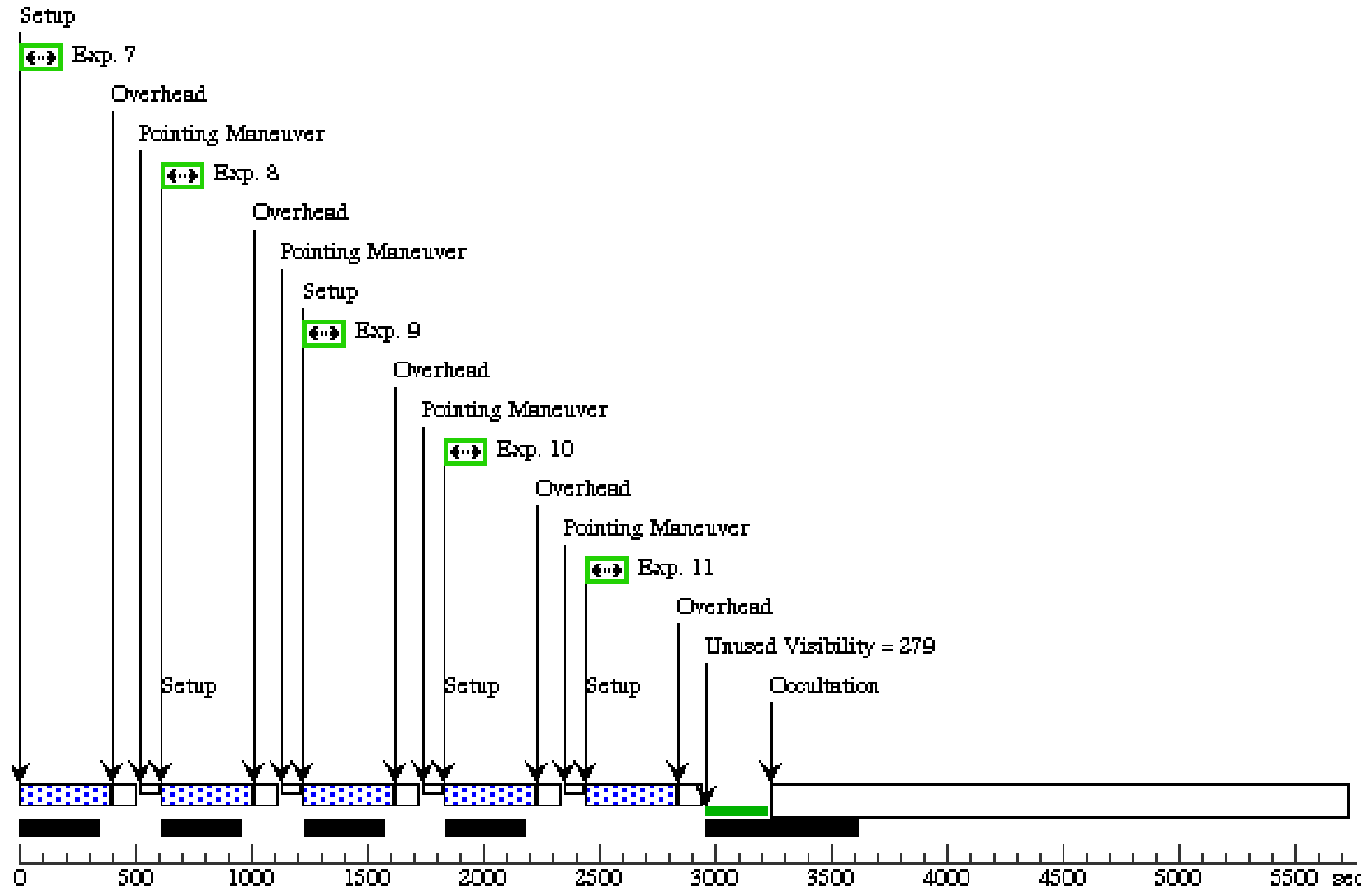
Proposal 13583 - F218W (01) - UV flats spatial scan

11	X scan, Y st ep	(1) -GAM-ARI-MID POINT	WFC3/UVIS, ACCUM, UVIS-CENTER	F218W	POS TARG -115,41; SPATIAL SCAN 7.5 ,3.7702 Degrees,For ward,33.0 Arcsec.5; EXP PCS MODE G YRO	Sequence 7-11 Non-I nt in F218W (01)	370 Secs (370 Secs) [==>]	[2]
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Orbit Structure



Orbit 2



Proposal 13583 - F280N (02) - UV flats spatial scan

Wed Oct 23 02:23:09 GMT 2013

Visit	<p>Proposal 13583, F280N (02)</p> <p>Diagnostic Status: No Diagnostics</p> <p>Scientific Instruments: S/C, WFC3/UVIS</p> <p>Special Requirements: ORIENT 86D TO 86.1 D</p> <p><i>Comments: Same as visit 01 but different filter.</i></p> <p>F280N</p>																																									
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Proposal 13583 - F280N (02) - UV flats spatial scan

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1		(1) -GAM-ARI-MID POINT	S/C, POINTING, V1			POS TARG -103.86 27892,-206.9492839; GS ACQ SCENARI ONEB1B3	Sequence 1-6 Non-Int in F280N (02)	1 Secs (1 Secs) [==>]	[1]
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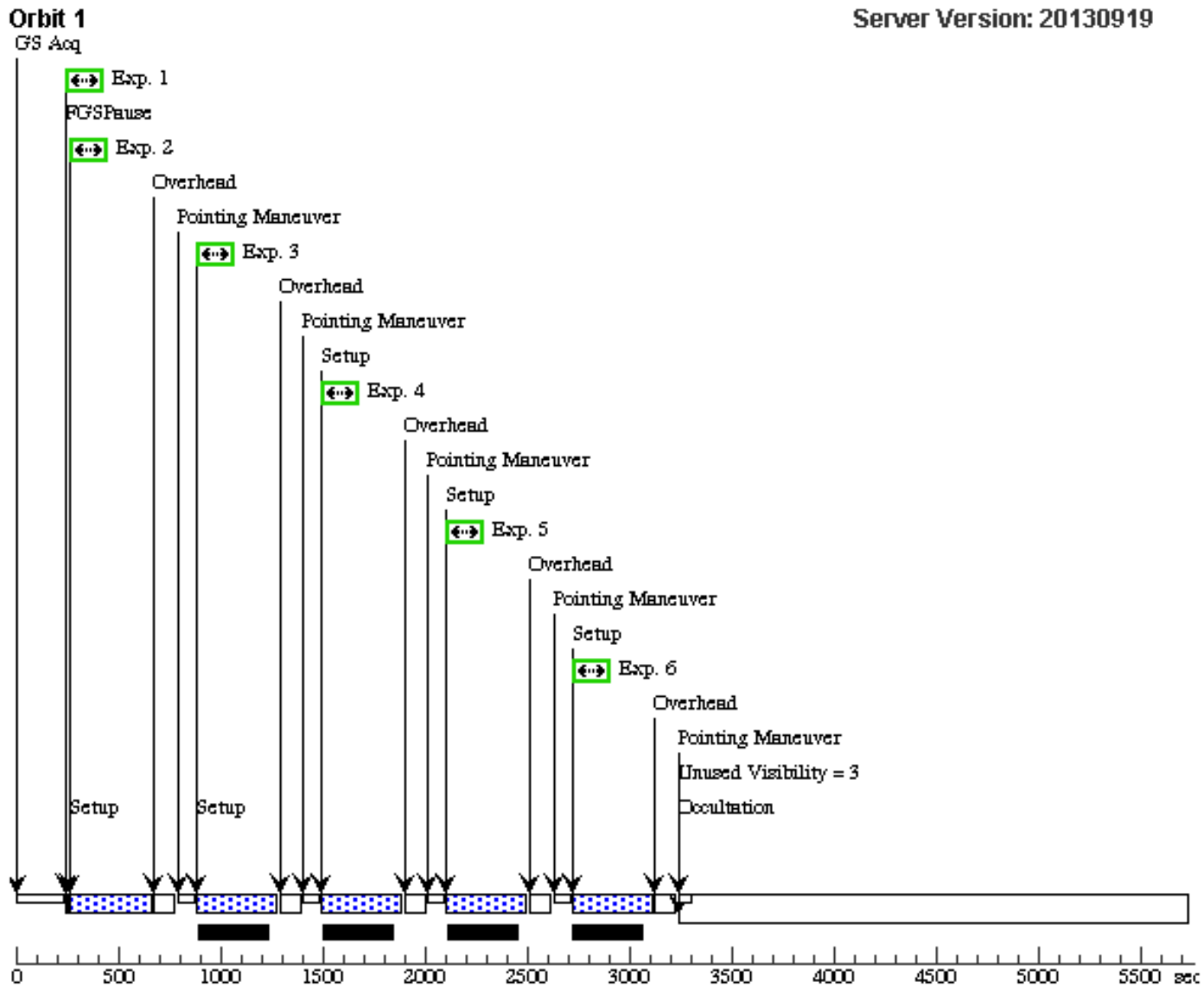
Proposal 13583 - F280N (02) - UV flats spatial scan

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Proposal 13583 - F280N (02) - UV flats spatial scan

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Orbit Structure



Orbit 2

