



12422 - COS NUV Internal/External Wavelength Scale Monitor

Cycle: 18, Proposal Category: CAL/COS

(Availability Mode: RESTRICTED)

INVESTIGATORS

<i>Name</i>	<i>Institution</i>	<i>E-Mail</i>
Dr. Cristina Oliveira (PI)	Space Telescope Science Institute	oliveira@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) HD-6655	COS/NUV	1	20-Oct-2010 21:35:30.0	yes
02	(1) HD-6655	COS/NUV	1	20-Oct-2010 21:35:38.0	yes
03	(1) HD-6655	COS/NUV	1	20-Oct-2010 21:35:45.0	yes

3 Total Orbits Used

ABSTRACT

This program monitors the offset between the internal and external wavelength scales: this offset is referred to as "DELTA" in the wavelength dispersion reference file and corrects for the shift between the WCA and PSA in TV03 versus the shift between the WCA and PSA in orbit : $(WCA-PSA_)_TV03 - (WCA - PSA)_orbit$. Analysis of TV data indicates that this DELTA (offset) is cenwave and FPPOS independent for a particular grating, but it is grating and stripe dependent. To verify and monitor this, this program observes some cenwaves at different FPPOS.

OBSERVING DESCRIPTION

This program monitors the offset between the internal and external wavelength scales: this offset is referred to as "DELTA" in the wavelength dispersion reference file and corrects for the shift between the WCA and

Proposal 12422 (STScI Edit Number: 0, Created: Wednesday, October 20, 2010 8:35:50 PM EST) - Overview

PSA in TV03 versus the shift between the WCA and PSA in orbit : $(WCA-PSA_)_TV03 - (WCA - PSA)_orbit$. Analysis of TV data indicates that this DELTA (offset) is cenwave and FPPOS independent for a particular grating, but it is grating and stripe dependent. To verify and monitor this, this program observes some cenwaves at different FPPOS.

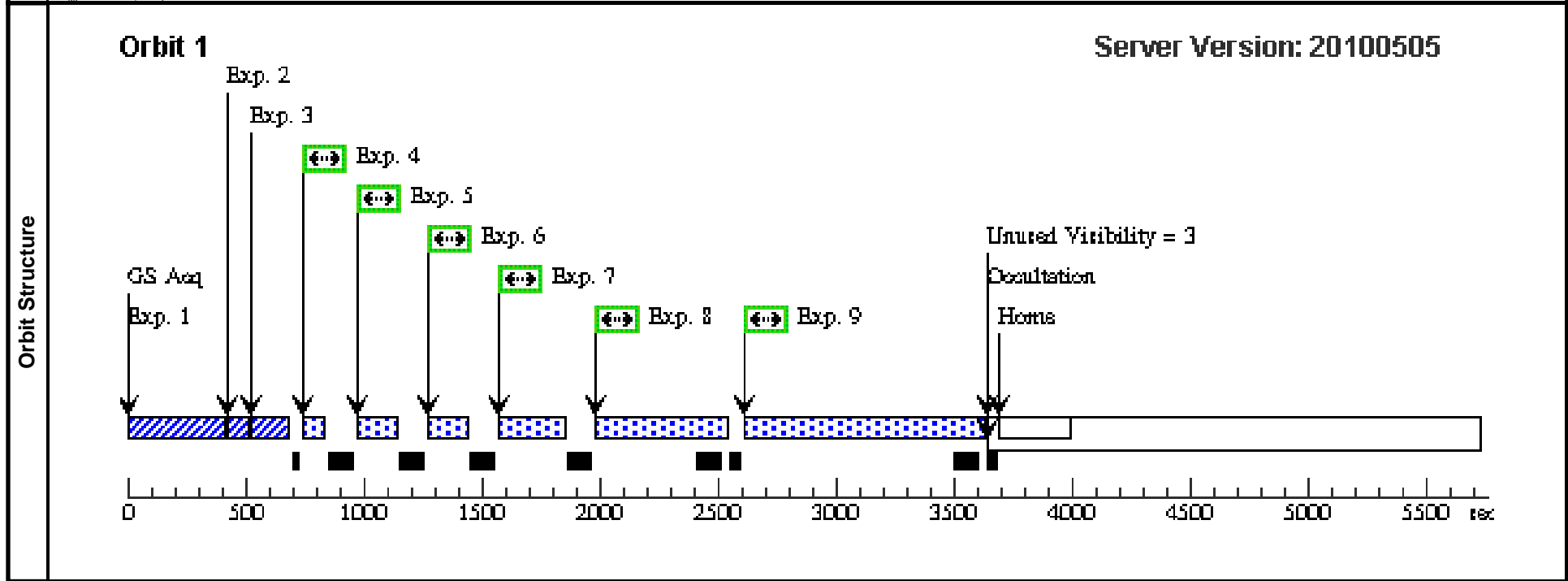
Visit	<p>Proposal 12422, Visit 01 Thu Oct 21 01:35:51 GMT 2010</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: COS/NUV</p> <p>Special Requirements: BETWEEN 01-JAN-2011:00:01:01 AND 01-FEB-2011:00:01:01</p>																
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Exposures	1	(1) HD-6655	COS/NUV, ACQ/PEAKXD, PSA	G230L 2635 A	STRIPE=MEDIUM			1.5 Secs [==>]	[1]	
	2	(1) HD-6655	COS/NUV, ACQ/PEAKXD, PSA	G230L 2635 A	STRIPE=MEDIUM			1.5 Secs [==>]	[1]	
	3	(1) HD-6655	COS/NUV, ACQ/PEAKD, PSA	G230L 2635 A	NUM-POS=5; STEP-SIZE=1; CENTER=FLUX-W T-FLR			1 Secs [==>]	[1]	
	4	(1) HD-6655	COS/NUV, TIME-TAG, PSA	G230L 2635 A	BUFFER-TIME=80. ; FP-POS=3			80 Secs [==>]	[1]	
	<p>Comments: COS.A362587 Brightest Pixel (2655.03 Å) 10.805 Count rate entire detector 9,828.322 Count rate stripe A 2.744 Count rate stripe B 9,511.006 Stripe C contains only second order light not calculated Buffer time (sec) 240</p>									
	5	(1) HD-6655	COS/NUV, TIME-TAG, PSA	G230L 2950 A	BUFFER-TIME=80. ; FP-POS=3			80 Secs [==>]	[1]	
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6	(1) HD-6655	COS/NUV, TIME-TAG, PSA	G230L 3000 A	BUFFER-TIME=80. ; FP-POS=3			80 Secs [==>]	[1]		
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Proposal 12422 - Visit 01 - COS NUV Internal/External Wavelength Scale Monitor

8	(1) HD-6655	COS/NUV, TIME-TAG, PSA	G225M 2217 A	BUFFER-TIME=33 0; FP-POS=3	440 Secs [==>]	[1]
<p>Comments: COS.A362582 Brightest Pixel (2304.99 Å) 0.280 Count rate entire detector 1,391.818 Count rate stripe A 204.828 Count rate stripe B 382.514 Count rate stripe C 489.903 Buffer time (sec) 1694</p>						
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<p>Comments: COS.A362597 Brightest Pixel (2114.99 Å) 0.155 Count rate entire detector 752.667 Count rate stripe A 39.808 Count rate stripe B 79.303 Count rate stripe C 318.983 Buffer time (sec) 3134</p>						



Proposal 12422 - Visit 01 - COS NUV Internal/External Wavelength Scale Monitor

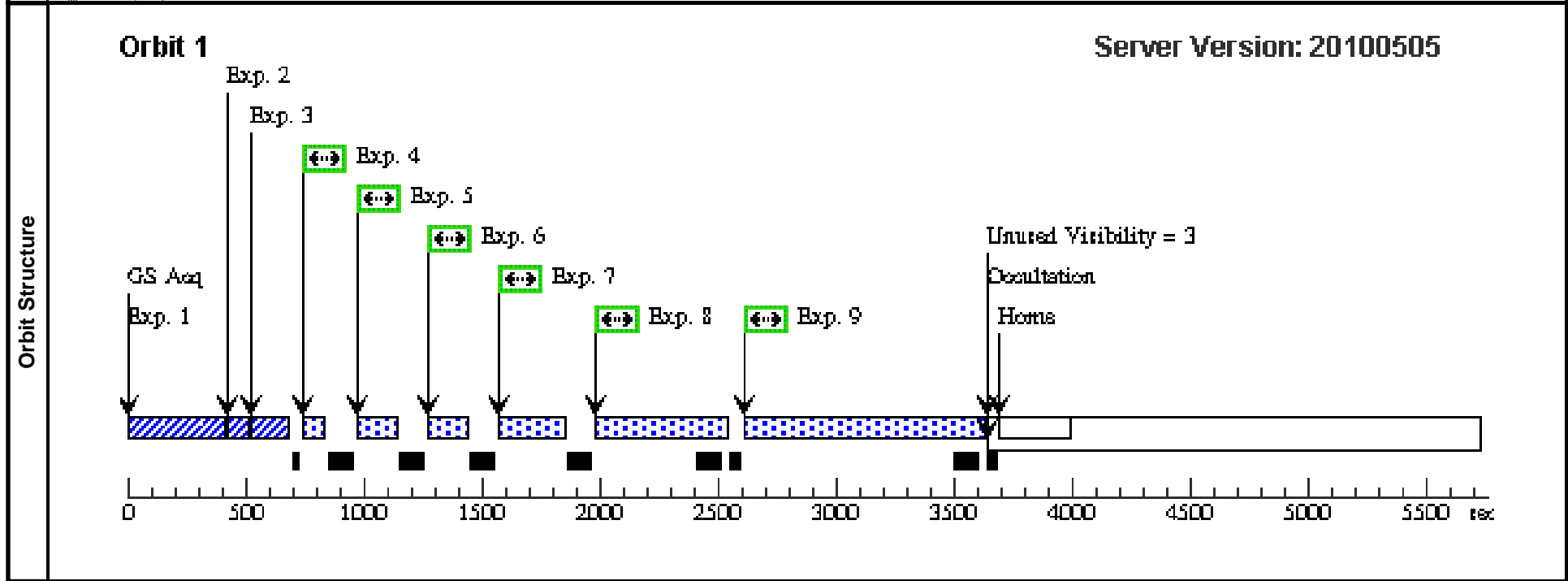
Visit	<p>Proposal 12422, Visit 02 Thu Oct 21 01:35:52 GMT 2010</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: COS/NUV</p> <p>Special Requirements: BETWEEN 01-MAY-2011:00:01:01 AND 01-JUN-2011:00:01:01</p>																
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Proposal 12422 - Visit 02 - COS NUV Internal/External Wavelength Scale Monitor

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Visit	<p>Proposal 12422, Visit 03 Thu Oct 21 01:35:52 GMT 2010</p> <p>Diagnostic Status: Warning</p> <p>Scientific Instruments: COS/NUV</p> <p>Special Requirements: BETWEEN 01-SEP-2011:00:01:01 AND 01-OCT-2011:00:01:01</p>																
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