



13194 - COS Side 2 Internal NUV Wavelength Verification

Cycle: 31, Proposal Category: CAL/COS

(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	WAVE	COS/NUV	1	29-Sep-2023 10:01:18.0	yes
02	WAVE	COS/NUV	1	29-Sep-2023 10:01:19.0	yes

2 Total Orbits Used

ABSTRACT

Test that the OSM2 coarse resolver goes to the proper location at all extreme NUV central wavelength settings using the side-2 electronics.

OBSERVING DESCRIPTION

COS SIDE-2 ACTIVITY TITLE: COS Side 2 Internal NUV Wavelength Verification

PURPOSE OF PROGRAM:

Test that the OSM2 coarse resolver goes to the proper location at all extreme central wavelength settings using the side-2 electronics.

DESCRIPTION OF PROGRAM:

Visit 01 (internal) - Take lampflash data at G185M central wavelengths [1786, 2010], G225M [2186, 2410], G285M [2617, 3094], and G230L 2635.

Visit 02 (internal) - Take lampflash data at G230L central wavelength 3360.

This entire activity will be conducted as a series of internal exposures

DEPENDENCIES:

DURATION: 2 orbits (internal)

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

SCHEDULING CONSTRAINTS:

** Following a success oriented approach the constraints in this program were modified: This program should only execute after program 13189 (COS Side 2 NUV Detector Recovery After MEB Side Switch) completes - C. Oliveira Aug 28 2013 **

ANALYSES & EXPECTED RESULTS:

Wavecal data will be run through CALCOS in order to determine the SHIFT1A and SHIFT1B keywords, the cross-correlation AD offset from the LAMPTAB template taken with side-1 electronics.

Shifts should be no greater than 1/2 FP-POS.

Special software needs: None

FTEs (days/weeks) needed for analysis: 1 FTE day

Proposal 13194 (STScI Edit Number: 7, Created: Friday, September 29, 2023 at 9:01:19 AM Eastern Standard Time) - Overview

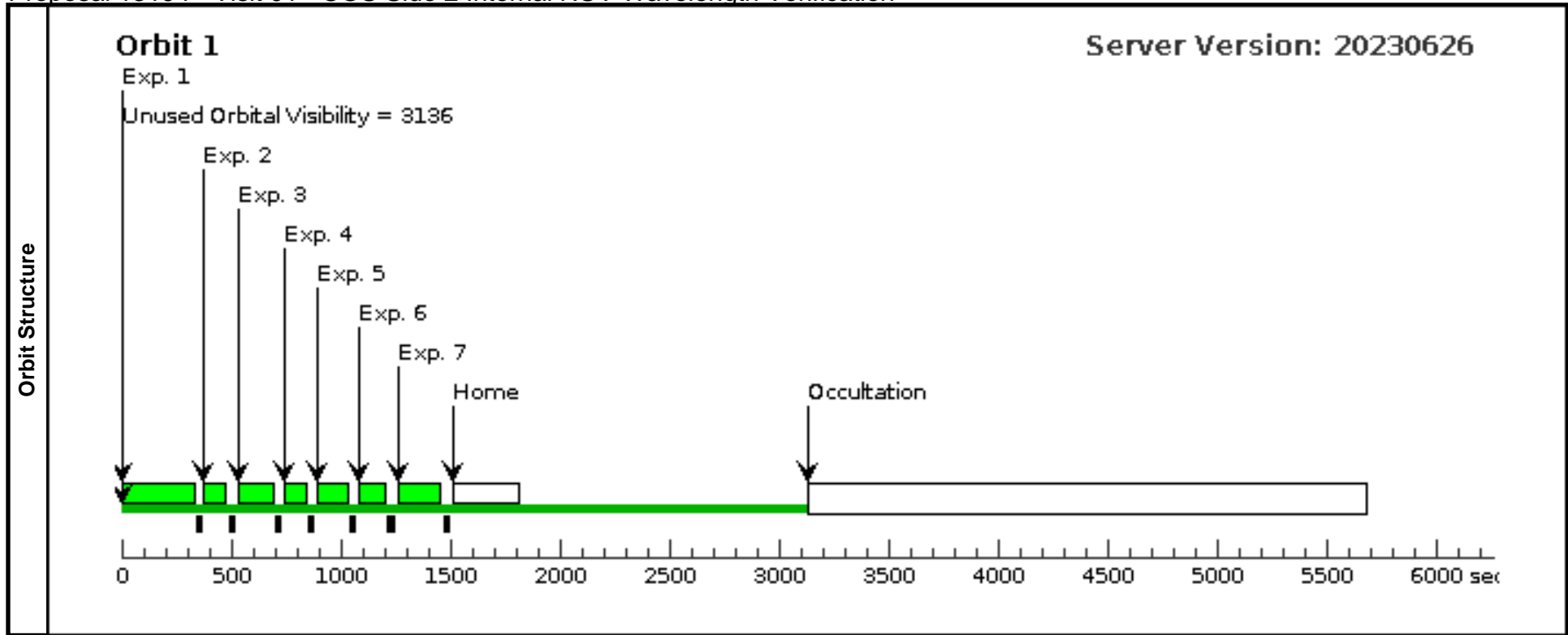
All comments above here are from the original submission by Sean Lockwood

2017-10-23: PI switched to Nick Indriolo and CO-Is no longer on the COS team removed

Proposal 13194 - Visit 01 - COS Side 2 Internal NUV Wavelength Verification

Fri Sep 29 14:01:19 GMT 2023

Visit	Proposal 13194, Visit 01, implementation Diagnostic Status: Warning Scientific Instruments: COS/NUV Special Requirements: (none) <i>Comments: G185M, G225M, G285M, and first of G230L wavecal exposures for side-2 electronics switch.</i>									
	Diagnosics (Visit 01) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		WAVE	COS/NUV, TIME-TAG, WCA	G185M 1786 A	FP-POS=3			[==>]	[1]
	2		WAVE	COS/NUV, TIME-TAG, WCA	G185M 2010 A	FP-POS=3			[==>]	[1]
	3		WAVE	COS/NUV, TIME-TAG, WCA	G225M 2186 A	FP-POS=3			[==>]	[1]
	4		WAVE	COS/NUV, TIME-TAG, WCA	G225M 2410 A	FP-POS=3			[==>]	[1]
	5		WAVE	COS/NUV, TIME-TAG, WCA	G285M 2617 A	FP-POS=3			[==>]	[1]
	6		WAVE	COS/NUV, TIME-TAG, WCA	G285M 3094 A	FP-POS=3			[==>]	[1]
	7		WAVE	COS/NUV, TIME-TAG, WCA	G230L 2635 A	FP-POS=3			[==>]	[1]



Proposal 13194 - Visit 02 - COS Side 2 Internal NUV Wavelength Verification

Fri Sep 29 14:01:19 GMT 2023

Visit	Proposal 13194, Visit 02, implementation Diagnostic Status: No Diagnostics Scientific Instruments: COS/NUV Special Requirements: (none) <i>Comments: Remaining G230L wavecal exposure for side-2 electronics switch.</i>									
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Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		WAVE		COS/NUV, TIME-TAG, WCA	G230L 3360 A	FP-POS=3			[==>]	[1]

