



12084 - G140L/1280 Internal to External Wavelength Scale

Cycle: 17, 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) CL-NGC-330-ELS-4	COS/FUV COS/NUV	1	10-Mar-2010 21:49:33.0	yes

1 Total Orbits Used

ABSTRACT

This program observes NGC330-B37 to determine the offsets between the PSA and WCA wavelength scales (for FP-POS=3) for the new G140L/1280 mode that will be available starting in Cycle 18. The results of the analysis of these data will be used to update the FUV wavelength dispersion reference file.

In addition since it is the first time that this mode is used, both on-orbit or on the ground, we obtain also data at FP-POS=1 and 4 which inform us of the extremes of the wavelength range that can be seen with G140L/1280.

Note that this program can only be executed after FSW changes occur (current estimate for these FSW changes is ~Aug 2010 timeframe) since this mode is not yet implemented.

OBSERVING DESCRIPTION

This program uses the same target acquisition strategy as that used during SMOV when the offsets between the internal to external wavelength scales were determined in for G140L/1230 in program 11487.

Each 450 sec exposure will have a S/N of 39 per resel at 1300 A.

See COS.A225326 which used as input spectrum the SMOV obs with G140L/1230.

Brightest Pixel (1332.20 ?) 0.244

Count rate entire detector 4,793.538

Count rate segment A 4,755.726

Count rate segment B 37.812

Buffer time = 492 sec

Proposal 12084 - Visit 01 - G140L/1280 Internal to External Wavelength Scale

Thu Mar 11 02:49:37 GMT 2010

Visit	Proposal 12084, Visit 01, implementation Diagnostic Status: No Diagnostics Scientific Instruments: COS/NUV, COS/FUV Special Requirements: AFTER 01-AUG-2010:00:00:00										
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	CL-NGC-330-ELS-4	RA: 00 56 20.7900 (14.0866250d) Dec: -72 28 33.80 (-72.47606d) Equinox: J2000	Proper Motion RA: -0.00106s/yr Proper Motion Dec: 0.0015"/yr Epoch of Position: 2000	V=13.33	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		(1) CL-NGC-330-EL S-4	COS/NUV, ACQ/SEARCH, PSA	G185M 1850 A	SCAN-SIZE=4; STEP-SIZE=1.767			4 Secs [==>]	[1]	
	<i>Comments: This program uses the same target acquisition strategy as that used during SMOV when the offsets between the internal to external wavelength scales were determined for G140L/1230 in program 11487. Each 450 sec exposure will have a S/N of 39 per resel at 1300 A. See COS.A225326 which used as input spectrum the SMOV obs with G140L/1230. Brightest Pixel (1332.20 ?) 0.244 Count rate entire detector 4,793.538 Count rate segment A 4,755.726 Count rate segment B 37.812 Buffer time = 492 sec</i>										
	2		(1) CL-NGC-330-EL S-4	COS/NUV, ACQ/SEARCH, PSA	G185M 1850 A	SCAN-SIZE=2; STEP-SIZE=1.767			4 Secs [==>]	[1]	
	3		(1) CL-NGC-330-EL S-4	COS/NUV, ACQ/PEAKXD, PSA	G185M 1850 A				10 Secs [==>]	[1]	
	4		(1) CL-NGC-330-EL S-4	COS/NUV, ACQ/PEAKD, PSA	G185M 1850 A	NUM-POS=9; STEP-SIZE=1			5 Secs [==>]	[1]	
	5		(1) CL-NGC-330-EL S-4	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=25 0; FP-POS=3; FLASH=S0200D01 0			450 Secs [==>]	[1]	
	6		(1) CL-NGC-330-EL S-4	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=25 0; FP-POS=4; FLASH=S0200D01 0			450 Secs [==>]	[1]	
7		(1) CL-NGC-330-EL S-4	COS/FUV, TIME-TAG, PSA	G140L 1280 A	BUFFER-TIME=25 0; FP-POS=1; FLASH=S0200D01 0			450 Secs [==>]	[1]		

