



## 12083 - COS G140L/1280 lamp template

Cycle: 17, 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/FUV	1	10-Mar-2010 21:48:46.0	yes

1 Total Orbits Used

### ABSTRACT

This is an internal only program that obtains lamp template spectra with the G140L grating at all FPPOS, using the new cenwave 1280. This new cenwave will be available to users starting in Cycle 18. Data obtained in this program will be used to update the FUV lamp template reference file. We follow the same procedure following during SMOV when obtaining lamp template spectra, i.e., to allow any mechanism drift to settle the first exposure is 1800 sec long, with the lamp flashed at regular intervals.

Note that this program can only be executed after FSW changes have been made (current estimate for these FSW changes is ~Aug 2010 timeframe), as this mode is not yet implemented.

### OBSERVING DESCRIPTION

This is an internal only program that obtains lamp template spectra with the G140L grating at all FPPOS, using the new cenwave 1280

**CALIBRATION JUSTIFICATION**

The new G140L/1280 setting will be available to users during Cycle 18. In order for science data obtained with this new setting to be calibrated the lamp template reference file needs to be updated with the data obtained in this program.

Proposal 12083 - Visit 01 - COS G140L/1280 lamp template

Thu Mar 11 02:48:51 GMT 2010

Visit	<b>Proposal 12083, Visit 01, scheduling</b> <b>Diagnostic Status: Warning</b> Scientific Instruments: COS/FUV Special Requirements: AFTER 01-AUG-2010:00:00:00										
	Diagnostics	(Visit 01) Warning (Orbit Planner): MAXIMUM DURATION EXCEEDED FOR INTERNAL OR EARTH CALIB SU (Visit 01) Warning (Orbit Planner): LAMP EXPOSURE EXCEEDS 300 SECONDS									
Exposures		#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1		WAVE	COS/FUV, TIME-TAG, WCA	G140L 1280 A	FLASH=S0200D010 ; FP-POS=3			1800 Secs [==>]	[1]	
	<i>Comments: These long exposure, with periodic flashes of the lamp, allows for settling of any mechanism drift.</i>										
	2		WAVE	COS/FUV, TIME-TAG, WCA	G140L 1280 A	FP-POS=3; SEGMENT=BOTH			10 Secs [==>]	[1]	
	3		WAVE	COS/FUV, TIME-TAG, WCA	G140L 1280 A	FP-POS=1			120 Secs [==>]	[1]	
	4		WAVE	COS/FUV, TIME-TAG, WCA	G140L 1280 A	FP-POS=2			120 Secs [==>]	[1]	
	5		WAVE	COS/FUV, TIME-TAG, WCA	G140L 1280 A	FP-POS=3			120 Secs [==>]	[1]	
	6		WAVE	COS/FUV, TIME-TAG, WCA	G140L 1280 A	FP-POS=4			120 Secs [==>]	[1]	

