15368 - COS FUV BOA performance at LP4

Cycle: 24, Proposal Category: CAL/COS

(Availability Mode: RESTRICTED)

INVESTIGATORS

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VISITS

Visit	Targets used in Visit	Configurations used in Visit	Orbits Used	Last Orbit Planner Run	OP Current with Visit?
01	(1) G191B2B	COS/FUV COS/NUV	1	21-Jul-2017 18:13:02.0	yes

1 Total Orbits Used

ABSTRACT

This is a program to observe the photometric standard star G191-B2B with the bright object aperture (BOA) for one external orbit. Spectra will be obtained in the G130M, G160M, and G140L gratings at one cenwave each to 1) roughly measure the spectral resolution and 2) obtain the cross-dispersion profiles

OBSERVING DESCRIPTION

The target will be acquired using NUV/MIRRORB/BOA imaging, then G140L and G160M exposures will be taken with autowavecal off at FP-POS=3. Finally, the G130M exposure will be taken at FP-POS=3 with autowavecal on.

<table>
<tr><td rowspan="4">Visit</td><td colspan="2">Proposal 15368, Visit 01</td><td>Fri Jul 21 22:13:05 GMT 2017</td></tr>
<tr><td colspan="3">Diagnostic Status: Warning</td></tr>
<tr><td colspan="3">Scientific Instruments: COS/FUV, COS/NUV</td></tr>
<tr><td colspan="3">Special Requirements: (none)</td></tr>
</table>

Diagnostics	(Visit 01) Warning (Form): For the best data quality, it is strongly recommended that the maximum number of allowed FP-POS positions is used when observing at a given COS CENWAVE setting. See full description for details.
	(Exposure 2 (Visit 01)) Warning (Form): COS FUV BOA science exposures have special calibration limitations. See "Errors and Warnings" for more details.
	(Exposure 3 (Visit 01)) Warning (Form): COS FUV BOA science exposures have special calibration limitations. See "Errors and Warnings" for more details.
	(Exposure 4 (Visit 01)) Warning (Form): COS FUV BOA science exposures have special calibration limitations. See "Errors and Warnings" for more details.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	G191B2B	RA: 05 05 30.6128 (76.3775533d)		V=11.69	Reference Frame: ICRS
		Dec: +52 49 51.96 (52.83110d)			
		Equinox: J2000			

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Extended=NO

Exposures

#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1	(COS.ta.995 794)	(1) G191B2B	COS/NUV, ACQ/IMAGE, BOA	MIRRORB				25 Secs (25 Secs)	
								[==>]	*[1]*
2	(COS.sp.998 002)	(1) G191B2B	COS/FUV, TIME-TAG, BOA	G140L 1280 A	BUFFER-TIME=80; WAVECAL=NO; FP-POS=3; LIFETIME-POS=LP4			13 Secs (13 Secs) *[==>]*	*[1]*
3	(COS.sp.998 003)	(1) G191B2B	COS/FUV, TIME-TAG, BOA	G160M 1623 A	BUFFER-TIME=2048; FP-POS=3; WAVECAL=NO; LIFETIME-POS=LP4			795 Secs (795 Secs) *[==>]*	*[1]*
4	(COS.sp.998 660)	(1) G191B2B	COS/FUV, TIME-TAG, BOA	G130M 1291 A	BUFFER-TIME=500; FP-POS=3; WAVECAL=YES; LIFETIME-POS=LP4			220 Secs (220 Secs) *[==>]*	*[1]*

Orbit 1

Server Version: 20170613

Orbit Structure

Exp. 4

Pointing Maneuver

GS Acq   Exp. 2   Unused Orbital Visibility = 1100

Exp. 1   Exp. 3   Exp. 4 (Auto-WAVECAL)

Home   Occultation

0   500   1000   1500   2000   2500   3000   3500   4000   4500   5000   5500   sec