



16470 - COS FUV LP5 Calibration: Bright Object Aperture Performance

Cycle: 28, Proposal Category: CAL/COS

(Calibration)

(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	(1) G191-B2B	COS/FUV COS/NUV	1	03-Dec-2020 13:01:51.0	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 with the G130M grating at one cenwave to [1] roughly measure the spectral resolution and [2] obtain the cross-dispersion profile.

OBSERVING DESCRIPTION

The target will be acquired using NUV/MIRRORB/BOA imaging, with an exposure time of 6 seconds. Then, a G130M exposure will be taken at LP5, FP-POS=3, cenwave = 1291, a buffer time of 500 seconds, autowavecal on, with an exposure time of 220 seconds.

Proposal 16470 - Visit 01 - COS FUV LP5 Calibration: Bright Object Aperture Performance

Thu Dec 03 18:01:51 GMT 2020

Visit	Proposal 16470, Visit 01
	Diagnostic Status: Warning
	Scientific Instruments: COS/FUV, COS/NUV
	Special Requirements: (none)

Diagnostics	(Exposure 2 (Visit 01)) Warning (Form): COS FUV BOA science exposures have special calibration limitations and are discouraged. See "Errors and Warnings" for more details.
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Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(1)	G191-B2B	RA: 05 05 30.6398 (76.3776658d) Dec: +52 49 50.47 (52.83069d) Equinox: J2000	Proper Motion RA: 0.001389448830133717 sec of time/yr Proper Motion Dec: -0.09352499994292884 arcsec/yr Epoch of Position: 2015.5	V=11.69	Reference Frame: ICRS
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=CALIBRATION Description=[PHOTOMETRIC] 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.146 9985)	(1) G191-B2B	COS/NUV, ACQ/IMAGE, BOA	MIRRORB					6 Secs (6 Secs) [==>]
2	(COS.sp.146 9987)	(1) G191-B2B	COS/FUV, TIME-TAG, BOA	G130M 1291 A		BUFFER-TIME=50 0; FP-POS=3; WAVECAL=YES; LIFETIME-POS=L P5			220 Secs (220 Secs) [==>]	[1]

