

## Keywords for Recording Thermal-Vacuum and Calibration Test Configurations

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## 1. INTRODUCTION

This document records the parameters and associated keywords that will be used to capture the configuration of support instrumentation used during thermal-vacuum testing and calibration testing of the COS instrument. This information will be archived in the Hubble Data Archive along with the corresponding COS test data to provide future users with a meaningful picture of the test configuration. The data are to be generated as an ascii flat file by the CEDAR software used during integration and test to evaluate system performance.

## 2. KEYWORD DEFINITION

SIMPLE = T / Written by IDL: Tue Aug 25 11:09:27 1998  
BITPIX = 8 /  
NAXIS = 0 /  
DATE = '1998-08-25' / Creation date (CCYY-MM-DD) of FITS header  
EXTEND = T / File May Contain Extensions  
RASCAPER= ' ' / RASCAL aperture  
RASCFOC = 0.00000 / RASCAL focus (microns)  
TM2TIP = 0.00000 / RASCAL TM2 mirror tip position (degrees)  
TM2TILT = 0.00000 / RASCAL TM2 mirror tilt position (degrees)  
RADMETER= ' ' / radiometer selection  
RADSIGNL= 0.00000 / radiometer signal (cps)  
LAMP = ' ' / CDS lamp selection (Deuterium or PtNe)  
LAMP\_I = 0.00000 / CDS lamp current setting (mA)  
FILTERA = 'TBD1 ' / CDS filter wheel A selection  
FILTERB = 'TBD2 ' / CDS filter wheel B selection  
FILTERC = 'TBD3 ' / CDS filter wheel C selection  
FILTERD = 'TBD4 ' / CDS filter wheel D selection  
FILTERE = 'TBD5 ' / CDS filter wheel E selection  
FILTERF = 'TBD6 ' / CDS filter wheel F selection  
MONOWAVE= 0.00000 / Monochromator wavelength setting (Angstroms)  
MONOGRTG= 'UV ' / Monochromator grating selection  
MONONSLT= 0.00000 / Monochromator exit slit width (microns)  
MONOXSLT= 0.00000 / Monochromator entrance slit width (microns)  
ABS\_CELL= ' ' / Absorption cell in place (yes/no)  
ABS\_GAS = ' ' / Gas used in the absorption cell (O2 or CO)  
ABS\_PRES= 0.00000 / Pressure w/in absorption cell (mTorr)  
RAD\_FILE= ' ' / Data file relevant to this test (e.g. from radiometer)  
CALFILE1= ' ' / Applicable calibration file for radiometer 1  
CALFILE2= ' ' / Applicable calibration file for radiometer 2

LOG\_FILE=' ' / File name containing history/log file of the test  
END