# LMG calibration data file for sensors
#
# NOTE:
# 1. In order for these calibrations to take affect, uwint and rv_tsg must
# be restarted. (Remember, rv_tsg has parameters.)
#
# 2. Please enter serial numbers for all sensors
#
# 3. Remember, when you check this file back into RCS, use the
#    -u option. It MUST remain in /usr/local/packages/rvdas/config
#
# 4. The TSG calibration coefficients must be placed last in this file.
#
# Ship - LMG or NBP
SHIP LMG
#
# Cruise ID (i.e. LMG0810)
cruiseID LMG1008
#
# LMG Gould radiometer calibrations
# PSP ser#:31701F3 cal date: 20 Jan, 2010
# PIR ser#:32031F3 cal date: 20 Jan, 2010
# Instrument    uVolts/W/m^2
PSP   8.36
PIR   3.86
#
# PAR Instrument Vdark Calib_Factor (ser#:6393, cal date: 08/31/2010
# instrument, Probe Dark(V), Calib Factor (Dry) (V/uE/cm^2sec)
PAR   0.3  6.2087
#
# Transmisometer (ser#: CST-407DR, cal date: 13Oct09)
# Vdark Vref Path
TRAN  0.059  4.687  0.25
#
# LMG winches
#
# Scale conversion information for the science winches on the LMG.
# Sheave measurements made on 01/01/00.
# Wire Pull tests done on dates indicated
#
# Dush 4 winch    sheave diam=
# 9/16" wire    wire diam =
#  total circumference=
# magnets =
# Payout Scale factor=
# Tension Scale Factor=
# operation limit= 1b
#
# Dush xx winch   sheave diam= 28.125 .714m
# .680" wire   wire diam = 0.680 .017m
# total circumference= 90.493" 2.297m
# magnets = 24
# Payout Scale factor= 3.77 0.096m
# Tension Scale Factor= 180
# operation limit= 20,150 lb
#
# meters out = mout * a
# speed = speed * c
# tension = (tension * b) - e
# operation limit = d
#
# a   b     c    d    e
# LDU4  1  0.465  1  20718  0
# LDU5  1  1     1  20150  0
# LD11  1  1     1  5980   0
# LWN1  1  1     1  5980   0
#SWNC -0.1  200  1.67  20718 -800
#PWNC  0.1  180  1.67  20150  0
#BWNC  0.1  62.5  1.67  5980  437.5
#WWNC -0.1  60  -1.67  5980  0
#
### Note, TSG calibrations must be last in this file #######
### Do not change the formatting, only the values. Thanks #######
###
### Calibration factors for SBE 21 S/N 3208 ************
### Calibration Date of 30-Jun-05 2007 **************
### currently in use
### Temperture calibration factors
### TEMPERTURE%
# g 0.00413343557
# h 0.000615389618
# i 0.0000197232448
# j 0.00000135946639
# fo 1000.000
#
### conductivity calibration factors
### CONDUCTIVITY%
# g -3.99168762
# h 0.471887572
# i -0.00055051605
# j 0.0000513922485
# p -0.000000957
# t 0.00000325
#*  
#************** Remote Temperature Probe SN # 4015 ***************  
#************** Calibration Date of 11-May-07 **********************  
# external temperature calibration factors  
#%EXTERNAL TEMPERATURE%  
#g 0.0043665187  
h 0.000627057431  
i 0.0000215854061  
j 0.00000173345987  
fo 1000.000  
#*  
#
#
#