# 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
#
# Cruise ID (i.e. LMG0810)
cruiseID LMG1108
#
# LM 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   8.01
PIR   3.60
#
# 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-553DR, cal date: 26Aug10)
# Vdark Vref Path
TRAN  0.058  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=  lb
#
# 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 formating, 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

