```
#####################################################################
# 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 LMG1106a
#
#####################################################################
# 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   8.36
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-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
#j 0.0000513922485
#p -0.0000000957
#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
#*
#
#
#