```
###############################################################
# 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. LMG0505)
cruiseID  LMG0807
#
###############################################################
# LM Gould radiometer calibrations
# PSP ser#:28933F3 cal date: 31 Aug, 2007
# PIR ser#:28903F3 cal date: 31 Aug. 2007
# Instrument    uVolts/W/m^2
PSP   8.05
PIR   3.73
#
###############################################################
# Instrument Vdark Calib_Factor (ser#:6394, cal date: 8/29/2006
#instrument, Probe Dark(V), Calib Factor (Dry) (V/uE/cm^2sec)
# Dark value measured in situ 28 Dec, 2007
PAR   -0.0063735  5.26
#
###############################################################
# Transmisometer  (ser#: CST-891DR, cal date: 20Nov06)
# Vdark Vref Path
TRAN  0.057  4.829  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
*
#
#
#
```