```
###########################################################
# 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  LMG0608
#
###########################################################
# LM Gould radiometer calibrations
# PSP ser#:31701F3 cal date: 29 Nov, 2005
# PIR ser#:32031F3 cal date: 07 Feb, 2006
# Instrument    uVolts/W/m^2
PSP   8.55
PIR   3.89
#
###########################################################
# Instrument Vdark Calib_Factor (ser#:6393, cal date: 1/16/2006
#instrument, Probe Dark(V), Calib Factor (Dry) (V/uE/cm^2sec)
PAR   0.00048  5.63
#
###########################################################
# Transmisometer  (ser#: CST-891DR, cal date: 08/24/05)
# Vdark Vref Path
TRAN  0.060   4.676   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 1789 ************
#*************    Calibration Date of 25 Jan 06   *****************
# currently in use
# Temperture calibration factors
%TEMPERTURE%
g 0.00422664157
```

```
h 0.000609369023
i 0.00000516219269
j -0.00000167870725
fo 1000.000
*

# conductivity calibration factors
%CONDUCTIVITY%
g -4.04952385
h 0.483752850
i 0.000975603482
j -0.0000169323429
p -0.0000000957
t 0.00000325
*
#************* Remote Temperature Probe SN #2686 ******************
#************* Calibration Date of 14 Jun 05 ******************
# external temperature calibration factors
%EXTERNAL TEMPERATURE%
g 0.00433930534
h 0.000632211502
i 0.0000214952764
j 0.00000175921890
fo 1000.000
*
#
#
#
```