

```
#####
# 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 LMG0717
#
#####
# LM Gould radiometer calibrations
# PSP ser#:31701F3 cal date: 25 Apr, 2007
# PIR ser#:32031F3 cal date: 03 Apr. 2007
# Instrument      uVolts/W/m^2
PSP      8.51
PIR      3.91
#
#####
# Instrument Vdark Calib_Factor (ser#:6393, cal date: 1/16/2006
#instrument, Probe Dark(V), Calib Factor (Dry) (V/uE/cm^2sec)
# Dark value measured in situ 05 Jan, 2007
PAR      -0.0050988  5.63
#
#####
# Transmisometer (ser#: CST-553DR, cal date: 30Jan06)
# Vdark Vref Path
TRAN     0.060  4.803  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 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
%TEMPERATURE%

```

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
*

*

#

#

#