

```
#####
# 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 LMG0514
#
#####
# LM Gould radiometer calibrations
# PSP ser#:28933F3 cal date: 21 Jun, 2005
# PIR ser#:32021F3 cal date: 05 Jan, 2005
# Instrument      uVolts/W/m^2
PSP    8.13
PIR    3.88
#
#####
# Instrument Vdark Calib_Factor (ser#:6393, cal date: 12/12/03)
#instrument, Probe Dark(V), Calib Factor (Dry) (V/uE/cm^2sec)
PAR    0.0007 6.05
#
#####
# Transmisometer (ser#: CST-830DR, cal date: 12/21/04)
# Vdark Vref Path
TRAN 0.061 4.692 0.25
#
#
#####
#
#
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# 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      1      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 17 Dec 04 *****

```

```
# currently in use
# Temperture calibration factors
%TEMPERTURE%
g 0.00422574035
h 0.000607323969
i 0.00000362984038
j -0.00000205852482
fo 1000.000
*
```

```
# conductivity calibration factors
%CONDUCTIVITY%
g -4.04831668
h 0.483630652
i 0.000984011200
j -0.0000180025877
p -0.00000000957
t 0.00000325
*
```

```
***** Remote Temperature Probe SN #1619 *****
```

```
***** Calibration Date of 30 Dec 04 *****
```

```
# external temperature calibration factors
```

```
%EXTERNAL TEMPERATURE%
```

```
g 0.00480786598
h 0.000683289494
i 0.0000308716615
j 0.00000287215854
fo 1000.000
*
```

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