

```
#####
# 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 LMG0602
#
#####
# LM Gould radiometer calibrations
# PSP ser#:28933F3 cal date: 21 Jun, 2005
# PIR ser#:28903F3 cal date: 21 Jun, 2005
# Instrument uVolts/W/m^2
PSP 8.13
PIR 3.67
#
#####
# Instrument Vdark Calib_Factor (ser#:6394, cal date: 08/24/04
#instrument, Probe Dark(V), Calib Factor (Dry) (V/uE/cm^2sec)
PAR 0.0001 5.38
#
#####
# Transmisometer (ser#: CST-891DR, cal date: 08/24/05)
# Vdark Vref Path
TRAN 0.060 4.676 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= 1b
#
# 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 1577 *****
***** Calibration Date of 18 Mar 05 *****

```

```
# currently in use
# Temperture calibration factors
%TEMPERTURE%
g 0.00420014751
h 0.000589584553
i 0.000000603539642
j -0.00000250601673
fo 1000.000
*
```

```
# conductivity calibration factors
%CONDUCTIVITY%
g -3.93853112
h 0.468148757
i 0.001680801250
j -0.0000525232778
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
*
```

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