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#####
# 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 LMG0514A
#
#####
# 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
#
#
#####
# LMG winches
#
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# 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 formatting, 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 #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  
\*

#  
#  
#