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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 LMG0810
#
#####
# LM Gould radiometer calibrations
# PSP ser#:31701F3 cal date: 22 May, 2008
# PIR ser#:32031F3 cal date: 22 May. 2008
# Instrument      uVolts/W/m^2
PSP    8.40
PIR    3.88
#
#####
# Instrument Vdark Calib_Factor (ser#:6393, cal date: 02 July, 2008
#instrument, Probe Dark(V), Calib Factor (Dry) (V/uE/cm^2sec)
PAR    0.0008  5.9891
#
#####
# Transmisometer (ser#: CST-891DR, cal date: 20Nov06)
# Vdark Vref Path
TRAN   0.057  4.829  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=

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#           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
%TEMPERTURE%
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

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*
#***** 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
*
#
#
#
```