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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 LMG0704
#
#####
# LM Gould radiometer calibrations
# PSP ser#:28933F3 cal date: 16 Aug, 2006
# PIR ser#:28903F3 cal date: 23 Aug, 2006
# Instrument uVolts/W/m^2
PSP 8.07
PIR 3.71
#
#####
# Instrument Vdark Calib_Factor (ser#:6394, cal date: 8/29/2006
#instrument, Probe Dark(V), Calib Factor (Dry) (V/uE/cm^2sec)
# Dark value measured in situ 05 Jan, 2007
PAR -0.0050988 5.26
#
#####
# Transmisometer (ser#: CST-248DR, cal date: 30Mar06)
# Vdark Vref Path
TRAN 0.060 4.637 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 =

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#      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 formating, only the values.  Thanks #####
#####
##
***** Calibration factors for SBE 21 S/N 1789 *****
***** Calibration Date of 25 Jan 06 *****
# currently in use
# Temperture calibration factors
%TEMPERTURE%
g 0.00422664157
h 0.000609369023
i 0.00000516219269
j -0.00000167870725
fo 1000.000
*

# conductivity calibration factors
%CONDUCTIVITY%
g -4.04952385
h 0.483752850
i 0.000975603482
j -0.0000169323429
p -0.0000000957

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t 0.00000325
*
#***** Remote Temperature Probe SN #1619 *****
#***** Calibration Date of 23-Jan-06 *****
# external temperature calibration factors
%EXTERNAL TEMPERATURE%
g 0.00480803901
h 0.00068353827
i 0.0000309828742
j 0.00000288799732
fo 1000.000
*
#
#
#
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