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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. LMG0810)
cruiseID LMG1108
#
#####
# LM Gould radiometer calibrations
# PSP ser#:31701F3 cal date: 20 Jan, 2010
# PIR ser#:32031F3 cal date: 20 Jan, 2010
# Instrument uVolts/W/m^2
PSP 8.01
PIR 3.60
#
#####
# PAR Instrument Vdark Calib_Factor (ser#:6393, cal date: 08/31/2010
#instrument, Probe Dark(V), Calib Factor (Dry) (V/uE/cm^2sec)
PAR 0.3 6.2087
#
#####
# Transmisometer (ser#: CST-553DR, cal date: 26Aug10)
# Vdark Vref Path
TRAN 0.058 4.687 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=
#   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 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

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```
#j 0.0000513922485
#p -0.0000000957
#t 0.00000325
#*
#***** 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
#*
#
#
#
```