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SENSOR SERIAL NUMBER: 9017
CALIBRATION DATE: 04-Nov-22

SBE 37 V2 PRESSURE CALIBRATION DATA
870 psia S/N 3182129

COEFFICIENTS:

PA0 = 4.153022e-002
PA1 = 2.963481e-003
PA2 = 2.831921e-011
PTEMPA0 = -7.220892e+001
PTEMPA1 = 5.037980e-002
PTEMPA2 = -4.568469e-007

PTCA0 = 5.245227e+005
PTCA1 = 2.124131e+000
PTCA2 = -6.744327e-002
PTCB0 = 2.517350e+001
PTCB1 = 5.000000e-004
PTCB2 = 0.000000e+000

PRESSURE SPAN CALIBRATION

THERMAL CORRECTION

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	THERMISTOR OUTPUT (counts)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)	TEMP (°C)	THERMISTOR OUTPUT (counts)	INSTRUMENT OUTPUT (counts)
14.33	529376.0	1891.0	14.38	0.01	32.50	2119	529618.00
179.59	585103.0	1892.0	179.55	-0.00	29.00	2047	529627.14
359.57	645763.0	1892.0	359.55	-0.00	24.00	1944	529633.26
539.54	706356.0	1892.0	539.56	0.00	18.50	1831	529637.00
719.53	766871.0	1893.0	719.55	0.00	15.00	1759	529637.54
869.53	817232.0	1893.0	869.49	-0.00	4.50	1544	529629.12
719.55	766878.0	1893.0	719.57	0.00	1.00	1473	529623.32
539.57	706366.0	1892.0	539.59	0.00	TEMPERATURE (°C) SPAN		
359.59	645772.0	1892.0	359.58	-0.00			25.17
179.61	585110.0	1892.0	179.58	-0.00			25.19
14.33	529359.0	1893.0	14.33	-0.00			

y = thermistor output (counts)

t = PTEMPA0 + PTEMPA1 * y + PTEMPA2 * y²

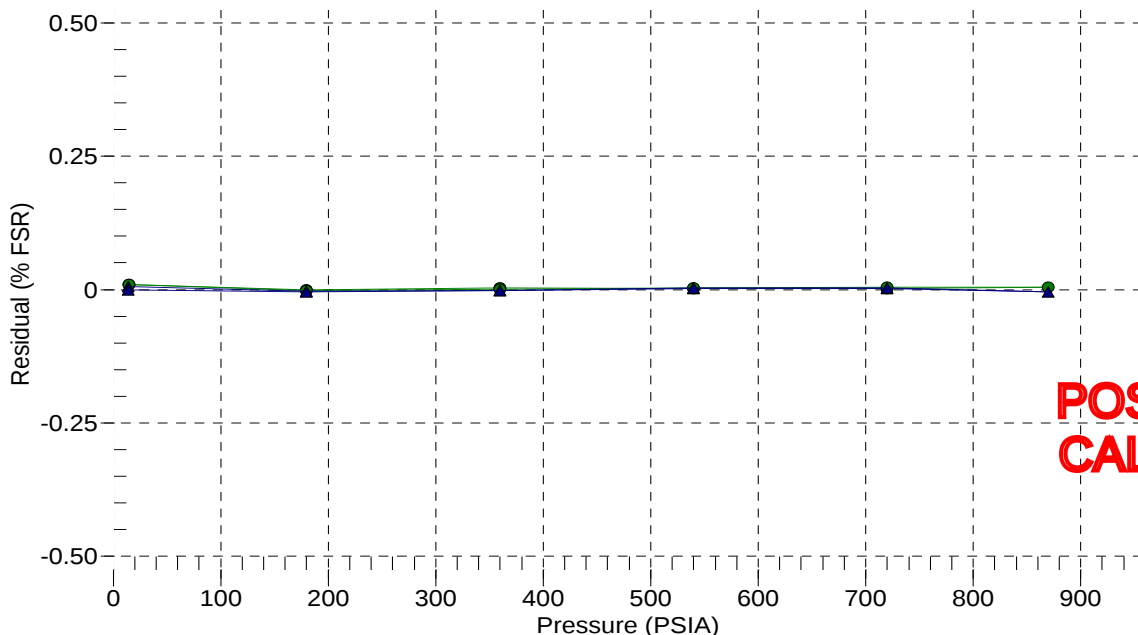
x = instrument output - PTCA0 - PTCA1 * t - PTCA2 * t²

n = x * PTCB0 / (PTCB0 + PTCB1 * t + PTCB2 * t²)

pressure (PSIA) = PA0 + PA1 * n + PA2 * n²

Residual (%FSR) = (computed pressure - true pressure) * 100 / Full Scale Range

Date, Offset (%FSR)



**POST CRUISE
CALIBRATION**