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SENSOR SERIAL NUMBER: 3775
CALIBRATION DATE: 18-Apr-23

SBE 39 PRESSURE CALIBRATION DATA
870 psia S/N 2476899

COEFFICIENTS:

PA0 =	-4.855603e-002	PTCA0 =	4.834238e+001
PA1 =	4.094633e-002	PTCA1 =	1.301738e-001
PA2 =	5.634206e-009	PTCA2 =	-7.840125e-003
PTHA0 =	-7.967599e+001	PTCB0 =	2.555213e+001
PTHA1 =	4.957882e-002	PTCB1 =	-5.750000e-004
PTHA2 =	-5.000639e-007	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)
14.45	401.6	2119.0	14.47	0.00	-1.50	1602.70	407.40
179.74	4431.5	2115.0	179.67	-0.01	1.00	1654.80	407.56
359.74	8817.7	2115.0	359.69	-0.01	4.50	1728.00	407.91
539.73	13198.5	2115.0	539.70	-0.00	8.00	1801.20	408.06
719.73	17573.9	2115.0	719.71	-0.00	11.50	1874.40	407.97
869.75	21215.7	2115.0	869.70	-0.01	15.00	1947.90	407.74
719.72	17576.3	2113.0	719.81	0.01	18.50	2021.40	407.30
539.72	13200.6	2111.0	539.78	0.01	22.00	2094.90	406.59
359.73	8819.0	2111.0	359.74	0.00	25.50	2169.00	405.73
179.72	4432.7	2109.0	179.72	-0.00	29.00	2242.70	404.68
14.45	401.6	2109.0	14.47	0.00	32.50	2316.70	403.48

TEMPERATURE (°C)	SPAN
-5.00	25.56
35.00	25.53

y = thermistor output (counts)

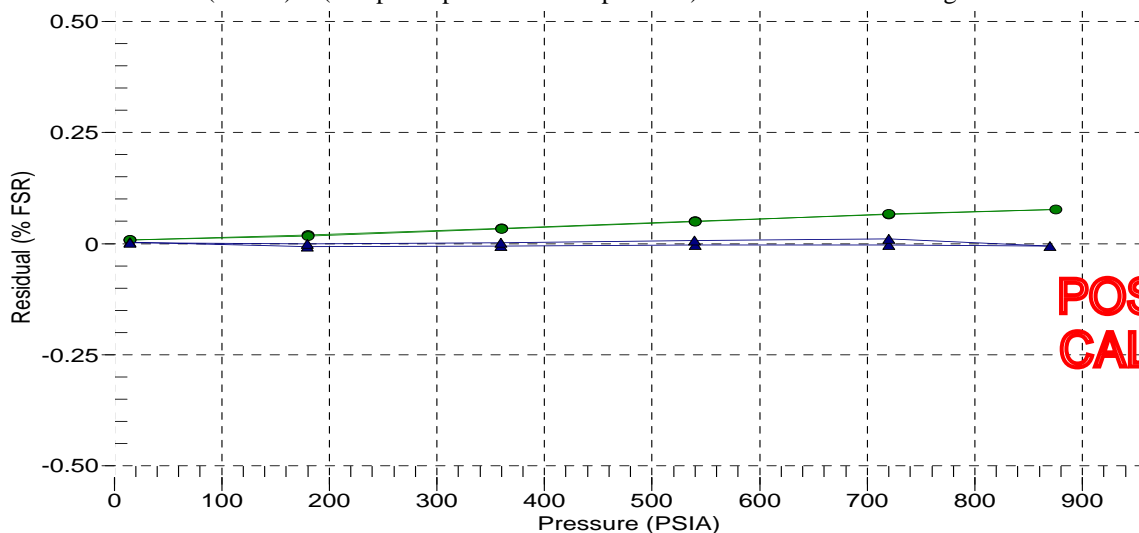
t = PTHA0 + PTHA1 * y + PTHA2 * y²

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)
● 28-Dec-12 0.04
▲ 18-Apr-23 0.00

**POST CRUISE
CALIBRATION**