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SENSOR SERIAL NUMBER: 3769
CALIBRATION DATE: 06-Apr-23

SBE 37 PRESSURE CALIBRATION DATA
1450 psia S/N 5759

COEFFICIENTS:

PA0 =	1.148344e+000	PTCA0 =	-1.396651e+002
PA1 =	6.878098e-002	PTCA1 =	4.206934e-001
PA2 =	-4.100572e-009	PTCA2 =	1.493170e-002
		PTCB0 =	2.484900e+001
		PTCB1 =	2.000000e-004
		PTCB2 =	0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	TEMPERATURE (°C)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)
14.43	69.1	22.2	14.36	-0.00
301.66	4248.4	22.2	301.68	0.00
588.61	8423.9	22.3	588.60	-0.00
875.67	12603.6	22.3	875.67	-0.00
1162.92	16788.4	22.3	1162.94	0.00
1450.03	20972.2	22.3	1450.00	-0.00
1162.93	16788.7	22.3	1162.96	0.00
875.90	12607.2	22.4	875.90	0.00
588.73	8425.9	22.4	588.73	0.00
301.65	4247.6	22.4	301.61	-0.00
14.42	71.9	22.8	14.50	0.01

THERMAL CORRECTION

TEMP (°C)	INSTRUMENT OUTPUT (counts)
32.50	95.53
29.00	90.89
24.00	84.63
18.50	78.89
15.00	75.84
4.50	68.38
1.00	66.40

TEMPERATURE (°C)	SPAN
-5.00	24.85
35.00	24.86

x = instrument output - PTCA0 - PTCA1 * t - PTCA2 * t^2

n = x * PTCB0 / (PTCB0 + PTCB1 * t + PTCB2 * t^2)

pressure (PSIA) = PA0 + PA1 * n + PA2 * n^2

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