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SENSOR SERIAL NUMBER: 3764
CALIBRATION DATE: 06-Apr-23

SBE 37 PRESSURE CALIBRATION DATA
1450 psia S/N 5753

COEFFICIENTS:

PA0 =	1.411473e-001	PTCA0 =	-2.495312e+002
PA1 =	6.936929e-002	PTCA1 =	2.579110e-001
PA2 =	-3.758285e-009	PTCA2 =	-7.381431e-003
		PTCB0 =	2.462988e+001
		PTCB1 =	1.750000e-004
		PTCB2 =	0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	TEMPERATURE (°C)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)
14.42	-42.9	22.9	14.33	-0.01
301.75	4101.7	23.0	301.72	-0.00
588.72	8242.7	23.0	588.73	0.00
875.87	12387.4	22.9	875.87	-0.00
1163.02	16533.9	22.9	1163.01	-0.00
1450.16	20682.2	22.9	1450.14	-0.00
1163.10	16535.8	22.8	1163.14	0.00
875.97	12388.8	22.8	875.97	0.00
588.81	8243.8	22.8	588.81	0.00
301.71	4101.0	22.8	301.67	-0.00
14.42	-40.0	22.6	14.53	0.01

THERMAL CORRECTION

TEMP (°C)	INSTRUMENT OUTPUT (counts)
32.50	-29.38
29.00	-28.51
24.00	-27.99
18.50	-27.67
15.00	-27.67
4.50	-28.93
1.00	-29.61

TEMPERATURE (°C)	SPAN
-5.00	24.63
35.00	24.64

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