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SENSOR SERIAL NUMBER: 3768
CALIBRATION DATE: 03-Jan-25

SBE 37 PRESSURE CALIBRATION DATA
1450 psia S/N 5757

COEFFICIENTS:

PA0 =	3.433403e-001	PTCA0 =	-1.706135e+002
PA1 =	6.894446e-002	PTCA1 =	1.112446e-001
PA2 =	-7.475439e-009	PTCA2 =	5.447421e-003
		PTCB0 =	2.487912e+001
		PTCB1 =	-1.750000e-004
		PTCB2 =	0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	TEMPERATURE (°C)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)
14.36	38.9	21.7	14.45	0.01
301.14	4196.6	21.7	301.00	-0.01
588.37	8369.5	21.6	588.34	-0.00
875.58	12546.1	21.6	875.67	0.01
1162.86	16724.9	21.6	1162.90	0.00
1450.08	20905.8	21.6	1450.00	-0.00
1163.11	16727.8	21.6	1163.10	-0.00
875.83	12549.8	21.6	875.93	0.01
588.58	8373.1	21.6	588.59	0.00
301.16	4196.9	21.6	301.02	-0.01
14.36	38.7	21.6	14.44	0.01

THERMAL CORRECTION

TEMP (°C)	INSTRUMENT OUTPUT (counts)
32.50	60.27
29.00	59.03
24.00	57.19
18.50	54.98
15.00	53.76
4.50	51.68
1.00	51.29

TEMPERATURE (°C)	SPAN
-5.00	24.88
35.00	24.87

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