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SENSOR SERIAL NUMBER: 2332
CALIBRATION DATE: 06-Jan-25

SBE 37 PRESSURE CALIBRATION DATA
1450 psia S/N 0799

COEFFICIENTS:

PA0 =	5.587390e-001	PTCA0 =	-1.974403e+002
PA1 =	6.890666e-002	PTCA1 =	-8.313189e-001
PA2 =	-7.955500e-009	PTCA2 =	5.552694e-002
		PTCB0 =	2.486613e+001
		PTCB1 =	-1.750000e-004
		PTCB2 =	0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	TEMPERATURE (°C)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)
14.71	17.5	21.7	14.81	0.01
301.31	4174.4	21.5	301.16	-0.01
588.75	8356.9	21.6	588.97	0.02
875.63	12527.4	21.5	875.69	0.00
1161.80	16691.0	21.6	1161.65	-0.01
1450.07	20894.5	21.7	1450.06	-0.00
1163.05	16712.6	21.7	1163.12	0.01
875.93	12531.7	21.7	875.97	0.00
588.70	8352.9	21.8	588.67	-0.00
301.54	4176.9	21.8	301.30	-0.02
14.71	16.9	21.8	14.76	0.00

THERMAL CORRECTION

TEMP (°C)	INSTRUMENT OUTPUT (counts)
32.50	51.39
29.00	44.07
24.00	34.33
18.50	24.08
15.00	18.27
4.50	20.86
1.00	18.41

TEMPERATURE (°C)	SPAN
-5.00	24.87
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