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SENSOR SERIAL NUMBER: 2357
CALIBRATION DATE: 06-Apr-23

SBE 37 PRESSURE CALIBRATION DATA
1450 psia S/N 1455

COEFFICIENTS:

PA0 =	-3.228941e+000	PTCA0 =	-1.924666e+002
PA1 =	6.871986e-002	PTCA1 =	-1.768525e+000
PA2 =	-4.915122e-009	PTCA2 =	-1.240459e-002
		PTCB0 =	2.487500e+001
		PTCB1 =	4.000000e-004
		PTCB2 =	0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	TEMPERATURE (°C)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)
14.42	16.4	22.9	14.35	-0.00
301.75	4201.6	23.0	301.77	0.00
588.72	8382.9	23.0	588.73	0.00
875.87	12569.8	23.0	875.91	0.00
1163.02	16758.6	22.9	1163.03	0.00
1450.16	20949.6	22.9	1450.14	-0.00
1163.10	16759.9	22.8	1163.11	0.00
875.97	12571.0	22.8	875.96	-0.00
588.81	8384.1	22.8	588.78	-0.00
301.71	4200.5	22.7	301.65	-0.00
14.42	19.0	22.8	14.51	0.01

THERMAL CORRECTION

TEMP (°C)	INSTRUMENT OUTPUT (counts)
32.50	9.79
29.00	18.50
24.00	30.36
18.50	43.19
15.00	51.18
4.50	72.15
1.00	78.31

TEMPERATURE (°C)	SPAN
-5.00	24.87
35.00	24.89

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