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SENSOR SERIAL NUMBER: 1842
CALIBRATION DATE: 15-Aug-22

SBE 37 PRESSURE CALIBRATION DATA
508 psia S/N 0201

COEFFICIENTS:

PA0 =	7.445474e-002	PTCA0 =	1.994574e+001
PA1 =	2.414491e-002	PTCA1 =	2.638323e-001
PA2 =	1.670450e-009	PTCA2 =	-5.643173e-003
		PTCB0 =	2.497563e+001
		PTCB1 =	-7.500000e-005
		PTCB2 =	0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	TEMPERATURE (°C)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)
14.53	622.0	23.6	14.54	0.00
104.67	4351.4	23.9	104.62	-0.01
204.72	8492.6	23.9	204.71	-0.00
304.68	12627.0	24.0	304.68	0.00
404.64	16757.8	24.0	404.63	-0.00
504.61	20887.3	24.0	504.60	-0.00
404.69	16760.8	24.1	404.70	0.00
304.74	12629.8	24.1	304.75	0.00
204.77	8495.8	24.1	204.78	0.00
104.80	4359.7	24.2	104.82	0.00
14.52	621.4	24.4	14.52	0.00

THERMAL CORRECTION

TEMP (°C)	INSTRUMENT OUTPUT (counts)
32.50	651.04
29.00	651.53
24.00	651.63
18.50	651.47
15.00	651.15
4.50	649.55
1.00	648.82

TEMPERATURE (°C)	SPAN
-5.00	24.98
35.00	24.97

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