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SENSOR SERIAL NUMBER: 3936
CALIBRATION DATE: 26-Sep-18

SBE 37 PRESSURE CALIBRATION DATA
10153 psia S/N 7325

COEFFICIENTS:

PA0 =	1.869735e+000	PTCA0 =	-1.289517e+001
PA1 =	4.884459e-001	PTCA1 =	2.973697e-001
PA2 =	-4.702683e-007	PTCA2 =	-5.681463e-003
		PTCB0 =	2.482850e+001
		PTCB1 =	7.000000e-004
		PTCB2 =	0.000000e+000

PRESSURE SPAN CALIBRATION

THERMAL CORRECTION

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	TEMPERATURE (°C)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)	TEMP (°C)	INSTRUMENT OUTPUT (counts)
14.70	17.9	22.9	15.03	0.00	32.50	19.10
2001.48	4102.1	22.9	2000.72	-0.01	29.00	19.23
3988.50	8222.5	23.0	3988.11	-0.00	24.00	19.28
5975.65	12376.8	23.0	5975.72	0.00	18.50	19.00
7962.88	16565.1	23.1	7963.17	0.00	15.00	18.58
9950.71	20787.4	23.1	9950.08	-0.01	4.50	16.65
7962.71	16565.3	23.1	7963.26	0.01	1.00	15.70
5975.61	12377.6	23.1	5976.09	0.00		
3988.40	8223.2	23.1	3988.44	0.00	TEMPERATURE (°C)	SPAN
2001.45	4102.8	23.1	2001.04	-0.00	-5.00	24.82
14.70	18.1	23.1	15.13	0.00	35.00	24.85

$$x = \text{instrument output} - \text{PTCA0} - \text{PTCA1} * t - \text{PTCA2} * t^2$$

$$n = x * \text{PTCB0} / (\text{PTCB0} + \text{PTCB1} * t + \text{PTCB2} * t^2)$$

$$\text{pressure (PSIA)} = \text{PA0} + \text{PA1} * n + \text{PA2} * n^2$$

$$\text{Residual (\%FSR)} = (\text{computed pressure} - \text{true pressure}) * 100 / \text{Full Scale Range}$$

