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SENSOR SERIAL NUMBER: 1251
CALIBRATION DATE: 22-Dec-17

SBE 37 PRESSURE CALIBRATION DATA
1500 psia S/N 193472

COEFFICIENTS:

PA0 =	8.693382e-002	PTCA0 =	-1.537863e+002
PA1 =	6.007977e-002	PTCA1 =	1.239437e-001
PA2 =	2.164179e-008	PTCA2 =	-2.648295e-003
		PTCB0 =	2.980200e+001
		PTCB1 =	-0.000000e+000
		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)
14.72	93.8	22.3	14.88	0.01	32.50	97.30
311.58	5012.8	22.5	310.98	-0.04	29.00	96.65
608.80	9930.4	22.5	608.06	-0.05	24.00	96.59
905.99	14837.5	22.4	905.54	-0.03	18.50	97.07
1203.16	19723.8	22.4	1202.79	-0.02	15.00	97.37
1500.30	24593.1	22.4	1500.04	-0.02	4.50	96.18
1203.16	19738.6	22.4	1203.69	0.04	1.00	95.61
906.01	14862.3	22.4	907.04	0.07		
608.84	9953.6	22.4	609.46	0.04	TEMPERATURE (°C)	SPAN
311.68	5020.3	22.4	311.44	-0.02	0.00	29.80
14.72	96.8	22.6	15.06	0.02	30.00	29.80

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

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

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

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

Date, Offset (%FSR)

● 22-Dec-17 0.00

