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SENSOR SERIAL NUMBER: 3763  
CALIBRATION DATE: 26-Feb-18

SBE 37 PRESSURE CALIBRATION DATA  
1450 psia S/N 5752

#### COEFFICIENTS:

PA0 =	4.261372e-001	PTCA0 =	-2.160474e+002
PA1 =	6.844858e-002	PTCA1 =	1.841315e-001
PA2 =	-4.201802e-009	PTCA2 =	4.978101e-003
		PTCB0 =	2.493550e+001
		PTCB1 =	-1.100000e-003
		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)
14.66	-1.8	21.4	14.68	0.00	32.50	15.37
301.78	4189.8	21.4	301.78	-0.00	29.00	13.93
588.96	8384.6	21.4	588.95	-0.00	24.00	11.81
876.04	12580.2	21.4	876.02	-0.00	18.50	9.38
1163.16	16778.8	21.4	1163.16	-0.00	15.00	7.90
1450.14	20977.2	21.4	1450.13	-0.00	4.50	5.35
1163.16	16779.1	21.4	1163.18	0.00	1.00	4.44
876.20	12582.9	21.4	876.21	0.00		
589.01	8385.9	21.4	589.04	0.00	TEMPERATURE (°C)	SPAN
301.79	4189.6	21.4	301.76	-0.00	-5.00	24.94
14.68	-1.8	21.5	14.68	-0.00	35.00	24.90

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

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

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

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

Date, Offset (%FSR)

● 26-Feb-18 -0.00

