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SENSOR SERIAL NUMBER: 3767
CALIBRATION DATE: 08-Apr-19

SBE 37 PRESSURE CALIBRATION DATA
1450 psia S/N 5756

COEFFICIENTS:

PA0 =	6.006240e-001	PTCA0 =	-1.716512e+002
PA1 =	6.915158e-002	PTCA1 =	4.447641e-001
PA2 =	-1.710305e-009	PTCA2 =	8.705384e-004
		PTCB0 =	2.469425e+001
		PTCB1 =	-5.500000e-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)
14.59	39.6	18.8	14.61	0.00	32.50	57.70
300.97	4179.6	20.2	300.95	-0.00	29.00	56.23
588.24	8331.9	19.7	588.14	-0.01	24.00	53.98
875.50	12486.9	20.1	875.44	-0.00	18.50	50.90
1162.79	16643.2	19.7	1162.77	-0.00	15.00	49.21
1449.92	20797.7	19.9	1449.92	0.00	4.50	44.51
1162.81	16643.6	20.0	1162.80	-0.00	1.00	43.00
875.49	12490.4	20.0	875.68	0.01		

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	TEMPERATURE (°C)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)	TEMPERATURE (°C)	SPAN
588.33	8333.1	20.4	588.21	-0.01	-5.00	24.70
301.53	4191.4	21.6	301.73	0.01	35.00	24.68
14.60	39.6	21.7	14.52	-0.01		

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

$n = x * PTCB0 / (PTCB0 + PTCB1 * t + PTCB2 * t^2)$

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

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

Date, Offset (%FSR)

● 08-Apr-19   -0.00