Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2337
CALIBRATION DATE: 18-Nov-15

SBE 37 PRESSURE CALIBRATION DATA
1450 psia S/N 1454

COEFFICIENTS:

PA0 =	-1.723690e+000	PTCA0 =	-1.750066e+002
PA1 =	6.893583e-002	PTCA1 =	-1.104499e+000
PA2 =	-5.983288e-009	PTCA2 =	-1.479939e-003
		PTCB0 =	2.481212e+001
		PTCB1 =	4.250000e-004
		PTCB2 =	0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	TEMPERATURE (°C)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)
14.73	39.1	22.0	14.75	0.00
301.46	4200.8	22.1	301.43	-0.00
588.44	8368.1	22.1	588.27	-0.01
875.61	12544.5	22.1	875.53	-0.01
1162.62	16722.2	22.1	1162.68	0.00
1449.67	20899.6	22.1	1449.59	-0.01
1162.61	16722.2	22.1	1162.68	0.01
875.59	12546.6	22.1	875.68	0.01
588.51	8372.9	22.1	588.60	0.01
301.44	4200.0	22.8	301.43	-0.00
14.74	38.2	22.9	14.76	0.00

THERMAL CORRECTION

TEMP (°C)	INSTRUMENT OUTPUT (counts)
32.50	38.98
29.00	43.47
24.00	49.41
18.50	55.76
15.00	59.42
4.50	71.63
1.00	75.54

TEMPERATURE (°C)	SPAN (mV)
-5.00	24.81
35.00	24.83

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