Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3764
CALIBRATION DATE: 16-Nov-15

SBE 37 PRESSURE CALIBRATION DATA
1450 psia S/N 5753

COEFFICIENTS:

PA0 =	3.738383e-001	PTCA0 =	-2.201878e+002
PA1 =	6.939301e-002	PTCA1 =	3.825677e-001
PA2 =	-4.434633e-009	PTCA2 =	-6.113936e-003
		PTCB0 =	2.462988e+001
		PTCB1 =	1.750000e-004
		PTCB2 =	0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	TEMPERATURE (°C)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)
14.67	-8.4	21.4	14.69	0.00
301.45	4125.0	21.6	301.39	-0.00
588.36	8264.0	21.6	588.33	-0.00
875.38	12405.9	21.6	875.32	-0.00
1162.48	16553.0	21.7	1162.51	0.00
1449.48	20698.1	21.7	1449.42	-0.00
1162.54	16554.2	21.8	1162.60	0.00
875.50	12410.0	21.7	875.60	0.01
588.55	8266.9	21.8	588.53	-0.00
301.46	4125.5	22.6	301.42	-0.00
14.64	-8.5	22.6	14.68	0.00

THERMAL CORRECTION

TEMP (°C)	INSTRUMENT OUTPUT (counts)
32.50	8.05
29.00	8.28
24.00	7.92
18.50	7.22
15.00	6.48
4.50	3.67
1.00	2.69

TEMPERATURE (°C)	SPAN (mV)
-5.00	24.63
35.00	24.64

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