Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3765
CALIBRATION DATE: 30-Sep-16

SBE 37 PRESSURE CALIBRATION DATA
1450 psia S/N 5754

COEFFICIENTS:

PA0 =	5.034317e-001	PTCA0 =	-2.253818e+002
PA1 =	6.884010e-002	PTCA1 =	4.028135e-001
PA2 =	-2.309685e-009	PTCA2 =	-3.513579e-003
		PTCB0 =	2.476912e+001
		PTCB1 =	-7.750000e-004
		PTCB2 =	0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	TEMPERATURE (°C)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)
14.63	-12.9	22.6	14.64	0.00
301.09	4146.9	22.8	301.16	0.00
588.16	8314.1	22.8	588.11	-0.00
875.23	12484.1	22.9	875.17	-0.00
1162.25	16655.7	22.8	1162.26	0.00
1449.22	20826.3	22.7	1449.20	-0.00
1162.33	16657.2	22.8	1162.37	0.00
875.26	12485.9	22.8	875.29	0.00
588.26	8316.1	22.9	588.24	-0.00
301.23	4148.4	22.9	301.26	0.00
14.63	-13.6	22.9	14.58	-0.00

THERMAL CORRECTION

TEMP (°C)	INSTRUMENT OUTPUT (counts)
32.50	-1.75
29.00	-2.21
24.00	-3.28
18.50	-4.79
15.00	-5.81
4.50	-9.43
1.00	-10.50

TEMPERATURE (°C)	SPAN (mV)
-5.00	24.77
35.00	24.74

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