Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2336
CALIBRATION DATE: 30-Jan-17

SBE 37 PRESSURE CALIBRATION DATA
1450 psia S/N 1453

COEFFICIENTS:

PA0 =	3.500052e-001	PTCA0 =	5.583597e+001
PA1 =	6.903717e-002	PTCA1 =	2.594533e-001
PA2 =	-4.924143e-009	PTCA2 =	-1.183848e-003
		PTCB0 =	2.507525e+001
		PTCB1 =	6.500000e-004
		PTCB2 =	0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	TEMPERATURE (°C)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)
14.79	270.2	21.7	14.79	0.00
315.05	4623.4	21.7	315.05	-0.00
615.05	8974.9	21.7	615.01	-0.00
915.08	13330.0	21.7	915.03	-0.00
1215.00	17687.0	21.7	1214.99	-0.00
1465.00	21320.4	21.7	1465.00	-0.00
1215.02	17687.8	21.6	1215.05	0.00
915.02	13330.2	21.6	915.05	0.00
615.05	8975.7	21.7	615.07	0.00
315.02	4623.6	21.7	315.07	0.00
14.79	269.9	21.7	14.77	-0.00

THERMAL CORRECTION

TEMP (°C)	INSTRUMENT OUTPUT (counts)
32.50	282.08
29.00	281.34
24.00	280.54
18.50	279.38
15.00	278.43
4.50	275.92
1.00	275.25

TEMPERATURE (°C)	SPAN (mV)
-5.00	25.07
35.00	25.10

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