Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 4078
CALIBRATION DATE: 16-Nov-15

SBE 37 PRESSURE CALIBRATION DATA
1450 psia S/N 7440

COEFFICIENTS:

PA0 =	1.852486e-001	PTCA0 =	-2.148395e+002
PA1 =	6.863752e-002	PTCA1 =	1.856008e-001
PA2 =	-5.587636e-009	PTCA2 =	-2.770100e-003
		PTCB0 =	2.481450e+001
		PTCB1 =	1.000000e-004
		PTCB2 =	0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	TEMPERATURE (°C)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)
14.67	-0.7	21.3	14.70	0.00
301.45	4178.0	21.6	301.38	-0.00
588.36	8363.2	21.6	588.31	-0.00
875.38	12552.0	21.6	875.30	-0.01
1162.48	16747.1	21.7	1162.52	0.00
1449.48	20940.4	21.7	1449.41	-0.00
1162.54	16748.5	21.7	1162.61	0.00
875.50	12556.3	21.7	875.59	0.01
588.55	8367.2	21.8	588.58	0.00
301.46	4178.7	22.5	301.42	-0.00
14.64	-0.9	22.6	14.68	0.00

THERMAL CORRECTION

TEMP (°C)	INSTRUMENT OUTPUT (counts)
32.50	12.58
29.00	12.54
24.00	12.38
18.50	11.90
15.00	11.59
4.50	10.44
1.00	9.54

TEMPERATURE (°C)	SPAN (mV)
-5.00	24.81
35.00	24.82

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