Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3762
CALIBRATION DATE: 18-Nov-15

SBE 37 PRESSURE CALIBRATION DATA
1450 psia S/N 5751

COEFFICIENTS:

PA0 =	2.448585e-001	PTCA0 =	-1.901631e+002
PA1 =	6.735733e-002	PTCA1 =	1.135341e-001
PA2 =	-4.614848e-009	PTCA2 =	2.395143e-003
		PTCB0 =	2.540563e+001
		PTCB1 =	1.250000e-004
		PTCB2 =	0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	TEMPERATURE (°C)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)
14.73	28.9	21.9	14.75	0.00
301.46	4286.5	22.0	301.41	-0.00
588.44	8549.7	22.0	588.28	-0.01
875.61	12820.7	22.0	875.50	-0.01
1162.62	17093.6	22.0	1162.68	0.00
1449.67	21364.9	22.0	1449.59	-0.01
1162.61	17093.6	22.0	1162.68	0.01
875.59	12823.6	22.0	875.70	0.01
588.51	8554.8	22.0	588.62	0.01
301.44	4287.0	22.7	301.43	-0.00
14.74	29.3	22.8	14.77	0.00

THERMAL CORRECTION

TEMP (°C)	INSTRUMENT OUTPUT (counts)
32.50	43.28
29.00	42.79
24.00	41.62
18.50	39.89
15.00	39.46
4.50	37.97
1.00	37.32

TEMPERATURE (°C)	SPAN (mV)
-5.00	25.41
35.00	25.41

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