Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3936
CALIBRATION DATE: 12-Sep-14

SBE 37 PRESSURE CALIBRATION DATA
FSR: 10153 psia S/N 7325

COEFFICIENTS:

PA0 =	2.257747e+000	PTCA0 =	-1.229075e+001
PA1 =	4.883885e-001	PTCA1 =	3.070371e-001
PA2 =	-4.695172e-007	PTCA2 =	-4.568122e-003
		PTCB0 =	2.482850e+001
		PTCB1 =	7.000000e-004
		PTCB2 =	0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE PSIA	INST OUTPUT	TEMP ITS90	COMPUTED PRESSURE	ERROR %FS
14.64	17.9	22.8	14.74	0.00
2014.73	4131.0	22.9	2014.19	-0.01
4014.84	8278.7	22.8	4014.43	-0.00
6015.10	12461.0	22.9	6014.98	-0.00
8014.95	16677.1	23.0	8015.08	0.00
10014.86	20927.0	22.9	10014.40	-0.00
8014.98	16678.1	23.0	8015.55	0.01
6015.21	12462.3	23.0	6015.57	0.00
4014.88	8280.0	22.9	4015.03	0.00
2014.86	4132.1	23.0	2014.72	-0.00
14.64	18.5	23.1	15.01	0.00

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT
32.50	19.53
29.00	19.42
24.00	19.15
18.50	18.50
15.00	17.91
4.50	15.70
1.00	14.66

TEMP (ITS90)	SPAN (mV)
-5.00	24.82
35.00	24.85

x = pressure output - PTCA0 - PTCA1 * t - PTCA2 * t^2

$n = x * PTCB0 / (PTCB0 + PTCB1 * t + PTCB2 * t^2)$

pressure (psia) = PA0 + PA1 * n + PA2 * n^2