Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3768
CALIBRATION DATE: 04-Feb-14

SBE 37 PRESSURE CALIBRATION DATA
1450 psia S/N 5757

COEFFICIENTS:

PA0 =	2.967681e-001	PTCA0 =	-1.681995e+002
PA1 =	6.885432e-002	PTCA1 =	-1.429568e-002
PA2 =	-4.335443e-009	PTCA2 =	9.147555e-003
		PTCB0 =	2.487912e+001
		PTCB1 =	-1.750000e-004
		PTCB2 =	0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE PSIA	INST OUTPUT	TEMP ITS90	COMPUTED PRESSURE	ERROR %FS
14.75	46.1	22.5	14.76	0.00
301.64	4213.0	22.6	301.63	-0.00
588.61	8382.5	22.6	588.53	-0.01
875.46	12555.0	22.5	875.48	0.00
1162.38	16729.1	22.5	1162.40	0.00
1449.22	20903.6	22.4	1449.19	-0.00
1162.90	16736.3	22.3	1162.90	-0.00
875.30	12553.0	22.3	875.35	0.00
588.43	8380.9	22.2	588.43	-0.00
301.47	4210.8	22.3	301.48	0.00
14.75	46.1	22.3	14.76	0.00

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	58.73	-5.00	24.88
29.00	57.09	35.00	24.87
24.00	54.93		
18.50	52.41		
15.00	51.32		
4.50	50.03		
1.00	49.60		

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