Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3768
CALIBRATION DATE: 08-Dec-11

SBE 37 PRESSURE CALIBRATION DATA
1450 psia S/N 5757

COEFFICIENTS:

PA0 =	3.244973e-001	PTCA0 =	-1.679287e+002
PA1 =	6.884889e-002	PTCA1 =	7.770747e-002
PA2 =	-4.193221e-009	PTCA2 =	6.132752e-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
14.82	47.5	22.1	14.83	0.00
315.18	4409.9	22.3	315.14	-0.00
615.21	8770.4	22.3	615.15	-0.00
915.22	13133.1	22.3	915.16	-0.00
1215.29	17499.2	22.3	1215.24	-0.00
1465.29	21138.6	22.3	1465.25	-0.00
1215.19	17499.8	22.3	1215.28	0.01
915.14	13134.2	22.3	915.23	0.01
615.14	8770.6	22.3	615.16	0.00
315.16	4410.4	22.3	315.17	0.00
14.82	47.5	22.4	14.83	0.00

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	61.41	-5.00	24.88
29.00	60.06	35.00	24.87
24.00	58.05		
18.50	55.99		
15.00	54.94		
4.50	53.13		
1.00	52.55		

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