Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 3770
CALIBRATION DATE: 16-Jan-12

SBE 37 PRESSURE CALIBRATION DATA
1450 psia S/N 6036

COEFFICIENTS:

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PA0 =     4.000789e-001
PA1 =     6.906004e-002
PA2 =    -3.629991e-009

PTCA0 = -1.740551e+002
PTCA1 =  3.128194e-001
PTCA2 = -2.073754e-003
PTCB0 =  2.477262e+001
PTCB1 = -1.075000e-003
PTCB2 =  0.000000e+000
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PRESSURE SPAN CALIBRATION

PRESSURE PSIA	INST OUTPUT	TEMP ITS90	COMPUTED PRESSURE	ERROR %FS
14.66	38.2	21.6	14.67	0.00
314.99	4383.7	21.8	314.98	-0.00
615.01	8726.3	21.8	614.95	-0.00
914.98	13071.6	21.8	914.97	-0.00
1215.02	17419.1	21.8	1215.01	-0.00
1465.05	21043.2	21.9	1465.02	-0.00
1215.00	17419.7	21.9	1215.05	0.00
914.98	13072.5	21.9	915.04	0.00
615.01	8727.3	21.9	615.02	0.00
315.02	4384.2	21.9	315.01	-0.00
14.65	38.0	22.0	14.65	0.00

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	50.78	-5.00	24.78
29.00	50.18	35.00	24.73
24.00	49.35		
18.50	47.91		
15.00	46.95		
4.50	44.28		
1.00	43.16		

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