SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3722
CALIBRATION DATE: 25-May-07

SBE 37 PRESSURE CALIBRATION DATA
10153 psia S/N 6174

COEFFICIENTS:

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PA0 =     7.584740e-001
PA1 =     4.916774e-001
PA2 =    -4.918220e-007

PTCA0 = -2.058475e+001
PTCA1 = -5.319523e-002
PTCA2 =  5.943845e-003
PTCB0 =  2.458963e+001
PTCB1 =  9.250000e-004
PTCB2 =  0.000000e+000
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PRESSURE SPAN CALIBRATION

PRESSURE PSIA	INST OUTPUT	TEMP ITS90	COMPUTED PRESSURE	ERROR %FS
14.62	9.7	21.2	14.88	0.00
2001.94	4069.4	21.3	2001.13	-0.01
3989.22	8165.4	21.3	3988.74	-0.00
5976.37	12296.4	21.4	5976.62	0.00
7963.50	16461.5	21.4	7963.96	0.00
9950.95	20660.5	21.4	9950.24	-0.01
7963.01	16460.5	21.5	7963.45	0.00
5975.89	12296.1	21.5	5976.44	0.01
3988.79	8165.4	21.5	3988.69	-0.00
2001.67	4069.7	21.6	2001.22	-0.00
14.62	10.5	21.7	15.22	0.01

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	14.20	-5.00	24.59
29.00	13.21	35.00	24.62
24.00	11.88		
18.50	10.73		
15.00	10.18		
4.50	9.64		
1.00	9.62		

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