SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 4303
CALIBRATION DATE: 30-Jan-08

SBE 37 PRESSURE CALIBRATION DATA
10153 psia S/N 8843

COEFFICIENTS:

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PA0 =    1.089311e+000
PA1 =    4.892954e-001
PA2 =   -4.885670e-007

PTCA0 = -6.059328e+001
PTCA1 =  1.907403e-001
PTCA2 = -4.063664e-003
PTCB0 =  2.484362e+001
PTCB1 = -1.475000e-003
PTCB2 =  0.000000e+000
```

PRESSURE SPAN CALIBRATION

PRESSURE PSIA	INST OUTPUT	TEMP ITS90	COMPUTED PRESSURE	ERROR %FS
14.56	-30.8	21.6	14.60	0.00
2001.49	4039.5	21.7	2000.52	-0.01
3988.55	8146.2	21.6	3987.73	-0.01
5975.67	12288.7	21.8	5975.61	-0.00
7962.72	16465.8	21.8	7963.02	0.00
9950.61	20677.9	21.8	9949.77	-0.01
7962.81	16467.3	21.8	7963.74	0.01
5975.49	12289.8	21.9	5976.17	0.01
3988.39	8147.7	21.9	3988.52	0.00
2001.34	4040.8	21.8	2001.16	-0.00
14.57	-29.2	22.0	15.38	0.01

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	-30.48	-5.00	24.85
29.00	-30.21	35.00	24.79
24.00	-30.09		
18.50	-30.25		
15.00	-30.44		
4.50	-31.53		
1.00	-32.20		

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