SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 2337
CALIBRATION DATE: 18-Aug-11

SBE 37 PRESSURE CALIBRATION DATA
1450 psia S/N 1454

COEFFICIENTS:

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PA0 =   -1.895857e+000
PA1 =    6.888253e-002
PA2 =   -4.341319e-009

PTCA0 = -1.876840e+002
PTCA1 = -1.186167e+000
PTCA2 = -9.413362e-004
PTCB0 =  2.481212e+001
PTCB1 =  4.250000e-004
PTCB2 =  0.000000e+000
```

PRESSURE SPAN CALIBRATION

PRESSURE PSIA	INST OUTPUT	TEMP ITS90	COMPUTED PRESSURE	ERROR %FS
14.70	26.0	22.8	14.71	0.00
314.96	4387.6	22.7	314.93	-0.00
615.00	8748.4	22.7	614.94	-0.00
914.98	13111.7	22.5	914.95	-0.00
1215.01	17477.7	22.5	1214.98	-0.00
1465.07	21118.1	22.5	1465.03	-0.00
1214.96	17478.4	22.5	1215.03	0.00
914.94	13112.4	22.6	915.00	0.00
614.94	8748.7	22.6	614.96	0.00
314.97	4388.4	22.6	314.98	0.00
14.70	25.7	22.9	14.70	0.00

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	25.12	-5.00	24.81
29.00	29.62	35.00	24.83
24.00	35.72		
18.50	42.49		
15.00	46.65		
4.50	59.39		
1.00	63.54		

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