SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 3764
CALIBRATION DATE: 20-Dec-10

SBE 37 PRESSURE CALIBRATION DATA
1450 psia S/N 5753

COEFFICIENTS:

```
PA0 =    3.041358e-001
PA1 =    6.934707e-002
PA2 =   -2.669606e-009

PTCA0 = -2.157612e+002
PTCA1 =  2.986761e-001
PTCA2 = -4.492807e-003
PTCB0 =  2.462988e+001
PTCB1 =  1.750000e-004
PTCB2 =  0.000000e+000
```

PRESSURE SPAN CALIBRATION

PRESSURE PSIA	INST OUTPUT	TEMP ITS90	COMPUTED PRESSURE	ERROR %FS
14.34	-8.9	21.9	14.34	0.00
314.61	4322.1	22.1	314.58	-0.00
614.64	8650.2	22.0	614.52	-0.01
914.56	12981.0	22.0	914.55	-0.00
1214.59	17313.3	22.0	1214.58	-0.00
1464.60	20923.9	22.0	1464.55	-0.00
1214.54	17313.8	22.0	1214.61	0.01
914.53	12981.6	22.0	914.59	0.00
614.56	8651.1	22.0	614.58	0.00
314.63	4323.5	22.0	314.68	0.00
14.34	-8.9	22.1	14.34	0.00

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	5.22	-5.00	24.63
29.00	5.38	35.00	24.64
24.00	5.14		
18.50	4.35		
15.00	3.75		
4.50	1.58		
1.00	0.77		

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